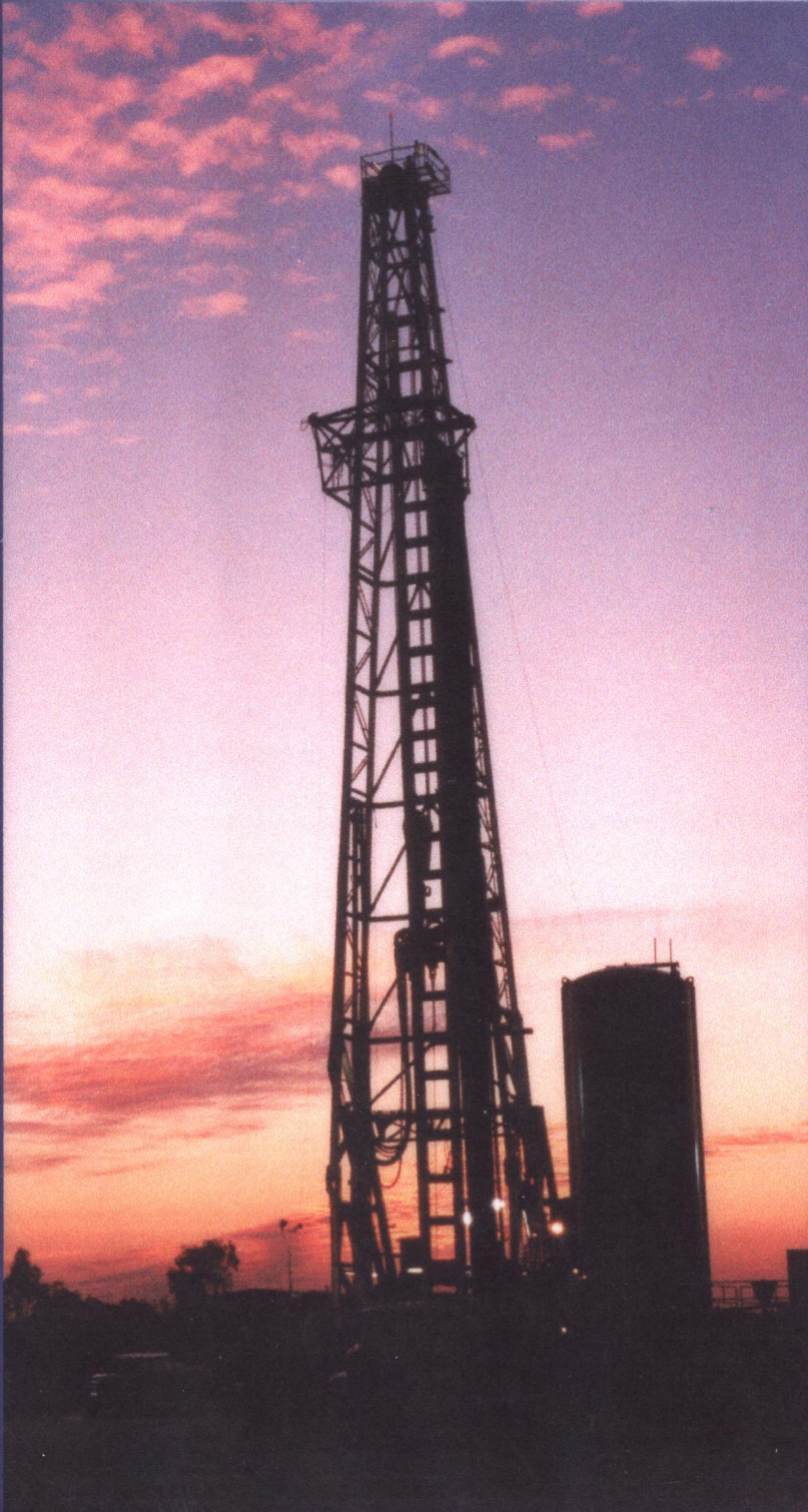


# Well Completion Report



## Injection Wells 5 and 6 Construction Completion Report North Regional Wastewater Treatment Plant

July 2000

**HAZEN AND SAWYER**  
Environmental Engineers & Scientists



**Broward County**  
Office of Environmental Services

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**GEOPHYSICAL LOGGING QUALITY CONTROL**

## **LOGGING TOOLS**

## **CALIBRATION THEORY AND PRACTICE**

## CALIBRATION

Few logging tools give a response immediately useful in formation evaluation. Logging tools generally exert some disturbance on the formation (pass electric current through it, bombard it with sub-atomic particles, etc.). The tools' detectors measure this disturbance after it has passed through the formation. This measurement may be made in counts per second, it is referred to as the raw measurement. Such responses are of limited interest to a geoscientist.

Calibration links this raw measurement to a useful formation property. All calibrations work on the same principle. A tool is placed in environments (usually two) of known physical property and the tool's responses in these environments are measured. An arithmetic relation (usually a straight line) between these points is constructed and used to convert actual measurements to calibrated values. For example, by recording the X-Y Caliper Tool's response (pulses per second, **raw measurement**) to rings of known size (inches, **calibrated measurement**); we can derive an equation that will allow measurement of an unknown hole diameter.

The Primary Standard for all logging tools is dependent on the physical property it has been designed to measure. This Primary Standard may be one of the following:

- API standard test pits, such as those found at the University of Houston.
- A test fixture from the tool manufacturer.
- Part of the tool's electronic circuitry.

Each following Tool Section describes the primary standard adopted by Florida Geophysical Logging.

Manufacturing plants and operations bases use Secondary Standards when needed as it is impractical to calibrate, and re-calibrate, each tool in some primary standards such as the Houston API pits. These secondary calibrators are carefully referenced directly to the primary standard.

Some examples of these secondary Standards are :

- The Natural Gamma Ray jig
- The Compensated Neutron water tank
- The Aluminum and Magnesium blocks for density calibrations

**CALIBRATION TECHNIQUE**

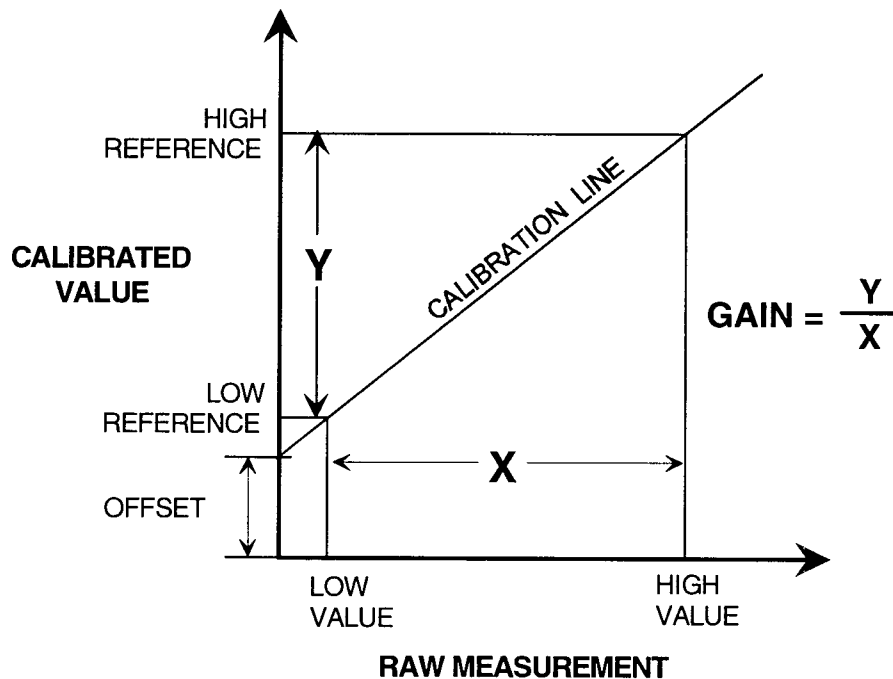
Some tools such as the X-Y Caliper Tool and the Fluid Resistivity Tool use multiple straight line segments to compute calibrated values. These tools use a modified version of the technique described below where a 2 point calibration scheme is described. The Flowmeter Tool is calibrated over 3 points and the data is fit to a quadratic equation.

We express a tool's linear response by:

$$y = mx + b$$

- where  $y$  = calibrated response of the tool
- $m$  = slope or gain of the tool
- $x$  = raw value from tool
- $b$  = intercept or offset

This linear relationship between raw or measured values and calibrated values is shown below :



$$Gain = \frac{High\ Cal - Low\ Cal}{High\ Meas - Low\ Meas} \quad (A)$$

$$Offset\ or\ Intercept = Low\ Cal - (Gain \times Low\ Meas) \quad (B)$$

## **VERIFICATION**

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A verification confirms that the tool response and calibration are still valid. It does not modify the relation between tool response and physical property measurement (i.e., the calibration).

Any verification method has to be fast, accurate, precise and rugged. They are normally done on the catwalk or drill floor, and take rig time.



### **DUAL INDUCTION TOOL (DIT)**

The shop calibration of the Dual Induction Tool (DIT) involves placing the tool in a zero conductivity medium. This is accomplished by elevating the tool on tall wooden stands away from any metal or electrical fields (overhead or underground power lines). The height of the stands depends on ground conductivity which in turn is related to ground moisture content. A distance of 3 meters above the ground will normally remove any ground effect from the measurement. The tool zero conductivity signal is recorded for both deep and medium. Next a calibration loop of known conductivity is placed over the deep and medium sensor. The value of the loop is designed to represent a 500 mmho formation. This provides the "High Cal" value. Field verification is done to verify tool response in between master calibrations.

### **BOREHOLE COMPENSATED SONIC LOG (BHC)**

The primary calibration for the BHC involves centralizing the tool in a section of water-filled steel casing and mechanically adjusting the spacers within the tool until the 4 individual transmitter to receiver pairs read the correct transit time for the 5 foot and 3 foot spacings. This procedure is done when the tool is built or whenever major repairs are performed on the transmitter/receiver section. Normal quality control procedures for all Compensated Sonic Logs requires logging the value of Delta T in the casing either on the way in the hole, or immediately after the logging run. This is an excellent verification that the entire system is functioning properly. Sometimes, this casing check is difficult in pipe that is well bonded. If possible, the logging engineer finds a section of "free pipe" to record the casing check.

### **X-Y CALIPER TOOL (XYT)**

The calibration of this tool is done by opening the caliper arms into two or more rings of known inside diameter, the smaller ring serves as the low calibrate value, the large ring is the high calibrate value. The gain and offset are calculated using the technique presented in the introduction. The size of the caliper rings used in the calibration and verification are selected based on the hole size that is being logged. Several size rings are available.

### **HIGH RESOLUTION TEMPERATURE TOOL (HRT)**

The shop calibration of the HRT uses two water baths of different temperatures. The low temperature bath is chosen to be 32°F because when logging a Deep Injection Well we often see borehole temperature in the 40° range. The high temperature bath is normally between 150°F and 212°F. The gain and offset are calculated using the technique presented in the introduction. All the tools Florida Geophysical Logging uses have fast response RTD sensors. The HRT is an extremely stable tool and requires calibration only after major repairs or component replacement. Because of the linearity of the sensor a single point verification made in the field will instantly tell if the tool is still in calibration and capable of recording accurate temperature. This verification is done in a fluid that has reached temperature equilibrium.

### **FLUID CONDUCTIVITY TEMPERATURE TOOL (FCT)**

The shop calibration of the fluid conductivity measurement involves placing the tool in a series of different salt solutions. The solutions are allowed to reach temperature and salinity equilibrium and are then measured with a precision digital conductivity meter. The tool is placed in each of the solutions and a multi-point calibration is made between tool output in pulses and fluid conductivity. The FCT is an extremely stable tool and requires calibration only after major repairs or component replacement. A single point verification made in the field instantly tells if the tool is in calibration and capable of recording accurate fluid conductivity. This verification is generally done with a water sample obtained from the well.

For calibration of the temperature tool see HRT section.

### **GAMMA RAY TOOL (GRT)**

The primary calibration standard for all gamma ray tools is the API Gamma Ray Test Pit at the University of Houston. The API standard defines the difference between two radioactive formations as 200 Gamma Ray API units. After primary calibration, the tool is removed and moved to a distance away from the pit. A background reading in air is recorded. Next, a small radioactive source is placed at a fixed distance from the detector of the tool. By subtracting the background reading from the response to the radioactive source, a value in API units is assigned to the calibrator or Jig. This Jig is used to calibrate other tools of similar design without taking it to the API test well.

## FLOWMETER TOOL (FMT)

Quantitative analysis of flowmeter measurements requires calibration of the probe. Since the probe is a mechanical system utilizing components that are subject to wear (e.g. bearings) it must be calibrated before every use. Calibration is done by moving the tool at a known velocity through a static fluid column and measuring the number of pulses or counts output from the tool. It is important to calibrate the tool in the same diameter hole that the measurements will be made<sup>1</sup>. Two different velocities are required to establish a calibration line. Florida Geophysical Logging uses three principal velocities (50, 70 and 100 fpm) to establish a calibration line. A second order linear fit of the calibration data is performed. By mathematically fitting a curve through the calibration data points it is possible to “back calculate” an unknown velocity if the number of counts are known. The equation is of the form :

$$V_{fm} = b_0 + (b_1 \times counts) + (b_2 \times counts^2) \quad (3)$$

where  $b_0$ ,  $b_1$ , and  $b_2$  are the coefficients determined by the linear curve fit routine.

Counts represent the raw signal from the flowmeter tool

<sup>1</sup> *Application Of The Borehole Flowmeter Method To Measure Spatially Variable Hydraulic Conductivity At The MADE Site - Kenneth R. Rehfeldt, Illinois State Water Survey*

## **Packer Testing and Quality Control Procedures**

### **General**

Check Pipe tally to make sure that packer or packers are set at correct depth.

Note date and time on all recorded data.

Observe the pressuring up of the packer or packers, noting pressure applied to packers.

Monitor and record pressure on packers periodically during all phases of test.

Identify elevation benchmark.

### **Development**

Note time of start of development.

Note method of development (air lift, pumping, etc.)

Check and record conductivity of development fluid initially and thereafter (maximum every 15 minutes).

Visually observe and record turbidity of development fluid (maximum every 15 minutes).

Visually observe and estimate fluid development rate (maximum every 15 minutes).

Continue development until conductivity has stabilized for 45 to 60 minutes.

### **Background**

Observe and record the installation depths of the transducers (inside drill pipe and annulus).

Check and record transducer readings (maximum every 15 minutes).

Official background does not start until stabilization from development has occurred.

Continue recording background for 2 hours.

### **Pumping Test**

Prior to starting pumping measure and record water level in drill pipe and annulus (referenced to a known benchmark).

Observe and record water levels in drill pipe and annulus (maximum every 10 minutes).

Observe and record the pumping rate (maximum every 10 minutes).

Pumping shall continue for a minimum of 4 hours.

Just prior to ending pumping observe water sample collection in accordance with water sampling checklist.

After stopping pump observe and record total volume of water pumped.

### **Recovery**

Observe and record water levels in drill pipe and annulus (maximum every 10 minutes).

Recovery shall continue for a minimum of 3 hours.

**APPENDIX I**

**TELEVISION SURVEY**  
**(Video Tapes Boxed Separately)**

**Appendix I - Television Survey  
Injection Well IW5**

<b>Interval (feet bpl)</b>	<b>Observations Injection Well IW5</b>
1000 - 1046	<b>Light-colored limestone:</b> cavernous, porous, and locally broken; view partly obscured by flowing water and debris (1000.2 to 1014.3 ft). Broken cavernous and/or wash out zones at 1005.7 ft, from 1009.0 to 1009.6 ft, at 1012.4 ft, from 1014.3 to 1024.0 ft, 1025.1 to 1025.3 ft, 1029.3 to 1030.5 ft, and from 1040.0 to 1042.4 ft. Cavern or ledge at 1045.2 ft. Abundant fossil shell molds and casts from 1014.3 to 1023.2 ft.
1046 - 1095	<b>Light-colored limestone:</b> partly cavernous; borehole view obscured throughout most of the section; multiple water producing zones present. Darker colored laminated wavy beds at 1077.9 ft. Cavern at 1077.1 ft.
1095 - 1160	<b>Dominantly massive light-colored limestone:</b> cavernous, porous, and locally broken. Cavernous and porous zones from 1113.5 to 1114.2 ft, at 1114.8 and 1117.2 ft, from 1120.0 to 1120.6 ft, at 1123.3, 1125.3 and 1125.8 ft, from 1128.8 to 1129.4 ft, and 1134.3 to 1135.1 ft. Broken cavernous and / or wash out zones from 1140.7 to 1143.7 ft and 1145.4 to 1149.9 ft. Partly washed out bed / zone at about 1155 ft. Washed out bed / zone with rough, jagged texture at about 1159 ft.
1160 - 1331	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Borehole wall is variably coated (patchy to completely covered) with gray opaque drilling mud. Rare dark-colored, laminated to thin, wavy horizontal beds / bedding planes (e.g., 1214.7 ft).
1331 - 1453	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Borehole wall is locally coated with patches of gray opaque drilling mud. Alternating light- and dark-colored, laminated to thin, wavy horizontal beds and bedding planes from 1421.2 to 1421.5 ft and 1431.5 to 1431.7 ft. Faint, light- and dark-colored, laminated to thin horizontal beds at 1423.3 ft and 1425.7 ft. Possible darker colored, laminated to thin jagged beds at 1436.7 ft and 1443.5 ft. Lighter colored, thin (0.1-ft) bed at 1452.2 ft.
1453 - 1502	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Borehole wall is locally coated with patches of gray opaque drilling mud. Rare dark-colored, laminated to thin, wavy horizontal beds / bedding planes (e.g., 1458.5 ft).
1502 - 1645	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Borehole wall is locally coated with patches of gray opaque drilling mud. Widely spaced light- and dark-colored, laminated to thin, wavy horizontal beds and bedding planes at 1502.9 ft, 1506.2 to 1507.1 ft, 1521.3 ft, 1529.2 ft, 1557.0 to 1557.3 ft, 1558.0 ft, 1562.3 ft, 1578.0 ft, 1600.9 ft and at approximately 1636 ft. Darker colored beds with rough texture, locally porous, from 1508.7 to 1509.0 ft and 1630.0 to 1632.3 ft.

Interval (feet bpl)	Observations Injection Well IW5
1645 - 1655	<b>Thinly bedded light-colored limestone:</b> no fractures, caverns or vugs. Various lighter and darker colored, laminated to thin wavy beds and bedding planes from 1646.4 to 1648.2 ft, at 1651.7 ft and 1652.4 ft, and from 1653.8 to 1654.3 ft.
1655 - 1700	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Darker colored laminated to thin wavy beds from 1677.6 to 1678.2 ft. Darker colored bed with rough texture from 1680.8 to 1681.3 ft. Possible bedding planes at 1670.1 ft, 1684.5 ft, 1689.1 ft, and 1692.9 ft. Borehole wall is coated with a gray opaque material (drilling mud) from 1664.9 to 1665.7 ft, 1672.9 to 1672.4 ft, 1687.6 to 1687.8 ft, and 1698.7 to 1699.4 ft.
1700 - 1745	<b>Thinly bedded light-colored limestone:</b> no fractures, caverns or vugs. Borehole wall locally coated with gray opaque drilling mud. Various lighter and darker colored, laminated to thin wavy beds and bedding planes at 1710.3 ft, and 1712.2 ft, from 1714.9 to 1715.3 ft, at 1722.7 ft, and 1723.0 ft, from 1726.4 ft to 1726.6 ft, 1728.4 to 1729.9 ft, 1735.8 to 1737.0 ft, 1739.3 to 1740.3 ft, and at 1742.8 ft. Slightly darker thin beds with rough texture from 1707.5 to 1707.6 ft, 1739.3 to 1740.3 ft.
1745 - 1790	<b>Dominantly massive light-colored limestone:</b> no fractures or caverns, locally vuggy. Darker colored, laminated to thin wavy beds and bedding planes from 1767.6 to 1768.0 ft. Darker colored bed with rough texture from 1746.1 to 1746.2 ft, 1748.6 to 1749.2 ft (partly vuggy), and 1780.3 to 1780.7 ft. Faint, light- and dark-colored, laminated to thin wavy beds and bedding planes from 1765.3 to 1765.7 ft.
1790 - 1815	<b>Thinly bedded light-colored limestone and interbedded dark-colored dolomite:</b> no fractures or caverns, locally vuggy. Various lighter and darker colored, laminated to thin wavy beds and bedding planes and other bedding features at 1790.8 ft, from 1794.0 to 1802.5 ft, and 1807.4 to 1807.8 ft. Darker colored beds with rough, +/- vuggy texture from 1791.4 to 1790.7 ft, 1794.0 to 1799.0 ft, at 1806.5 ft, and from 1811.6 to 1812.1 ft.
1815 - 1870	<b>Dominantly massive light-colored limestone:</b> no fractures or caverns, locally porous with small cavities in borehole wall at 1825.0 ft, 1827.3 ft, and from 1864.6 to 1866.6 ft. Darker colored, sharp wavy bedding planes at 1820.7 ft and 1854.1 ft. Faint, light- and dark-colored, laminated to thin wavy beds and bedding planes from 1829.0 to 1829.5 ft, at 1834.5 ft and 1849.1 ft. Borehole wall is coated with a gray opaque drilling mud at about 1856 ft - down and from 1865 to 1866 ft, and at 1864.2 ft, patchy from 1864.6 to 1866.6 ft.
1870 - 1900	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Dark colored, laminated to thin wavy beds and bedding planes at 1871.8 ft, 1884.7 ft, and 1891.1 ft. Possible darker colored, laminated to thin wavy beds and bedding planes at 1884.7 ft.



Interval (feet bpl)	Observations Injection Well IW5
1900 - 1925	<p><b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs; borehole generally equal-dimensional but slightly enlarged; borehole wall partly obscured by thin coating of drilling mud. Very sharp, dark-colored, wavy bedding planes at 1902.5 ft and 1907.4 ft. Lighter colored, sub-horizontal bedding features at 1908.0 ft, 1910.0 to 1911.0 ft, 1915.0 to 1916.0 ft, and 1918.0 to 1919.0 ft. Slightly rougher texture from 1921.5 to 1924.0 ft with light and dark colored thin beds from 1921.5 to 1922.5 ft and small, elongated, sub-horizontal cavities from 1922.5 to 1923.5 ft.</p>
1925 - 1964	<p><b>Dominantly massive light-colored limestone with interbedded dolomite:</b> borehole generally to gauge; no fractures or caverns; borehole wall locally obscured by thin coating of drilling mud. Lighter and darker colored, rough textured, sub-horizontal bedding features (dolomite?) from 1925.0 to 1926.0 ft, 1928.5 to 1930.5 ft, 1931.5 to 1932.5 ft, 1935.0 to 1936.0, and 1938.0 to 1939.0 ft. Darker colored, partly washed out, sub-horizontal, discontinuous bedding features from 1944.0 to 1947.0 ft. Slightly rougher texture from 1950.7 to 1951.0 ft and 1955.5 to 1957.5 ft. Darker colored, weakly to partly vuggy, rough textured beds with small cavities (dolomite) from 1948.0 to 1949.0 ft, 1952.0 to 1955.0 ft, 1957.0 to 1958.0 ft, and 1959.5 to 1961.0 ft. Darker colored, partly washed out, sub-horizontal, discontinuous bedding features from 1962.5 to 1963.5 ft.</p>
1964 - 2128	<p><b>Dark-colored dolomite with minor interbedded limestone:</b> cavernous, fractured, and variably vuggy with abundant cavities throughout the section. Borehole is commonly irregularly shaped with multiple, various size caverns and washout zones. Features are partly enhanced by a black coating. Partly washed out, variably oriented fractures and fractured wallrock occur locally throughout the section. Irregularly shaped, sub-horizontal cavern with moderate water flow occurs at the top of the section from 1965.5 to 1966.4 ft. Darker colored, discontinuous, sub-horizontal, bedding features at 1967.5 ft, 1969.5 ft, 1973.0 ft, and 1975.5 to 1976.5 ft. Two moderate size, irregularly shaped, blocky caverns/wash-out zones between 1973.5 and 1975.5 ft. Multiple, darker colored, sub-horizontal bedding features from 1985.0 to 1986.0 ft. Narrow, partly washed out irregularly shaped blocky features and small washout zones from 1995.0 to 2000.5 ft. Large, irregularly shaped, blocky cavern/washout zone 2000.5 to 2002.0 ft. Multiple, widely spaced, small, blocky washout zones and partly irregularly shaped borehole from 2002.0 to 2011.0 ft. Large, irregularly shaped, blocky cavern/washout zone 2011.0 to 2013.0 ft. Moderate size, irregularly shaped blocky cavern/washout zone at 2014.0 to 2015.0 ft. Widely spaced, small, irregularly shaped, shallow washout zones from 2015.0 to 2039.0 ft. Partly washed out, very blocky interval from 2019.5 to 2023.0 ft. Moderate size, irregularly shaped sub-horizontal washout zone at 2032.0 to 2033.0 ft. Large, irregularly shaped blocky cavern/wash-out zones at 2039.0 to 2041.0 ft and 2043.0 to 2045.0 ft.</p>

Interval (feet bpl)	Observations Injection Well IW5
	<p>Blocky, irregularly shaped borehole with multiple large to moderate size caverns/washout zones from 2046.0 to 2053.0 ft. Very large, irregularly shaped blocky cavern zone at 2053.0 to 2059.0 ft. Partly washed out, moderately to shallow-dipping fractures from 2059.5 to 2062.5 ft. Blocky, irregularly shaped borehole from 2062.5 to 2068.5 ft with large caverns/washout zones at 2062.5 to 2064.0 ft and 2066.0 to 2068.5 ft. Two blocky, partly washed out, thin, sub-horizontal beds 2071.0 to 2072.0 ft. Blocky, irregularly shaped borehole from 2073.3 to 2082.5 ft with large caverns/wash-out zones at 2073.3 to 2075.3 ft and 2076.0 to 2077.0 ft. Darker colored, sub-horizontal thin beds and several sub-horizontal to moderately dipping fractures from 2082.5 to 2087.5 ft. Blocky, irregularly shaped borehole with large cavern(s)/washout zone(s) from 2087.5 to 2093.0 ft ; very irregularly shaped borehole from 2090.5 to 2092.0 ft. Darker colored, sub-horizontal, discontinuous bedding features from 2093.0 to 2097.0 ft. Blocky, irregularly shaped borehole from 2097.0 to 2128.0 ft with multiple large caverns/washout zones at 2102.5 to 2104.0 ft, from 2107.0 to 2119.0 ft, and 2122.5 to 2128.0 ft. Prominent sub-vertical fractures in borehole wall from 2122.5 to 2128.0 ft with clast-supported breccia at 2126.5 to 2128.0 ft.</p>
2128 - 2494	<p><b>Dominantly massive light-colored limestone with minor interbedded dolomite:</b> borehole partly washed out and irregularly shaped at the top of the section from 2128.0 to 2144.0 ft, otherwise slightly enlarged but equal-dimensional. Limestone generally smooth textured and locally fossiliferous; dolomite commonly dark-colored and vuggy with small, irregularly shaped cavities. Slightly darker color and rougher textured, locally vuggy unit with small cavities (dolomite) from 2147.5 to 2149.7 ft. Slightly rougher textured with local washout zones (dolomite?) from 2158.5 to 2162.0 ft. Slightly rougher textured intervals with abundant casts, molds, &amp; rare tests of shell fossils at 2173.0 to 2174.0 ft, 2222.0 to 2235.0 ft, 2255.0 to 2261.0 ft, 2272.0 to 2276.0 ft, and 2282.0 to 2296.0 ft. Slightly irregular, partly washed out borehole from 2230.0 to 2232.5 ft. Dominantly massive limestone w/ only rare, faint bedding features and widely spaced, irregularly shaped cavities from 2296.0 to 2494.4 ft.</p>
2494 - 2520	<p><b>Dark-colored dolomite with minor interbedded limestone:</b> variably vuggy and locally cavernous with fine crystalline texture lining vugs and cavities. Borehole is commonly irregularly shaped and partly washed out with multiple, various size caverns. Multiple large, irregularly shaped, blocky caverns/wash-out zones from 2494.0 to 2508.0 ft and 2511.0 to 2519.0 ft; moderate water flow at 2516.7 ft. Interbedded, light-colored, smooth textured unit (limestone) at 2508.0 to 2511.0 ft.</p>
2520 - 2583	<p><b>Dominantly massive light-colored limestone with interbedded dolomite:</b> borehole generally to gauge with abundant small, shallow, irregularly shaped wash out zones. Dominantly massive limestone w/ rare small cavities from</p>

Interval (feet bpl)	Observations Injection Well IW5
2583 - 2684	<p>2520.0 to 2567.0 ft and 2574.5 to 2583.0 ft. Slightly darker colored, partly washed out and irregularly shaped, locally blocky unit (dolomite?) from 2567.0 to 2574.5 ft.</p> <p><b>Dark-colored dolomite:</b> variably vuggy and locally cavernous with fine crystalline texture lining vugs and cavities. Borehole is commonly irregularly shaped and partly washed out with multiple, various size, blocky caverns. Caverns with moderate water flow at 2592.6 ft, 2597.7 ft, 2600.0 ft, and 2605.5 ft. Multiple large, irregularly shaped, blocky caverns from 2630.0 to 2634.5 ft with moderate water flow at 2633.5 ft. Less cavernous with mottled, vuggy texture and rare irregularly shaped caverns/wash-out zones from 2633.5 to 2681.0 ft; moderate water flow from approximately 2675 ft down. Variably washed out and blocky, irregularly shaped borehole from 2681.0 to 2684.0 ft with water producing cavern at 2682.8 ft.</p>
2684 - 2760	<p><b>Interbedded light-colored limestone and dark-colored dolomite:</b> borehole locally blocky and washed out, but generally to gauge. Dolomite is variably vuggy with small cavities and locally blocky and fractured; limestone is smooth textured and rarely washed out. Moderate size sub-horizontal washout zone in limestone below upper contact at 2684.0 ft. Dark-colored bed with a rough, fractured textured (dolomite) from 2687.7 to 2686.3 ft. Wavy and jagged sub-horizontal bedding plane at 2690.7 ft. Dark-colored, locally blocky and washed out bed (dolomite) from 2691.2 to 2694.4 ft. Dark-colored, very rough textured bed (dolomite) with small, irregularly shaped cavities from 2705.7 to 2708.5 ft. Partly washed out and locally blocky, cavernous, dark-colored bed (dolomite) from 2720.3 to 2723.9 ft with moderate water flow from irregularly shaped cavern at 2712.2 ft. Light-colored(+/-) bed with fractured texture (dolomite?) and prominent dark wavy bands at upper contact from 2736.7 to 2738.0 ft. Dark-colored, partly washed out rough textured bed (dolomite) from 2743.0 to 2745.5 ft. Very dark-colored, partly washed out rough textured bed (dolomite) at 2748.0 to 2748.5 ft. Light-colored, partly washed out bed (limestone?) and irregularly shaped borehole at 2750.0 to 2751.0 ft. Several very dark-colored, sub-horizontal bands &lt;0.1 ft thick and small shallow cavities at 2756.0 to 2756.8 ft. Dark-colored, rough textured bed (dolomite) with alternating light and dark-colored bands from 2758.5 to 2759.5 ft.</p>
2760 - 2937	<p><b>Dominantly massive light-colored limestone:</b> rare fractures, caverns and vugs. Borehole generally to gauge throughout section, only locally washed out and irregularly shaped. Alternating light and dark-colored bands ~0.2 ft thick (interbedded dolomite?) at 2784.1 ft. Dark-colored, very thin jagged sub-horizontal bedding plane at 2806.3 ft. Slightly darker colored, weakly vuggy beds (dolomite?) at 2810.6 to 2811.5 ft and 2816.4 to 2817.0 ft. Light-colored, generally smooth textured, variably washed out, irregularly shaped borehole from 2849.5 to 2861.0 ft with a moderate size, water producing cavernous zone</p>

Interval (feet bpl)	Observations Injection Well IW5
2937 - 2990	<p>from 2853.3 to 2854.3 ft. Small, slightly washed out, irregularly shaped, water producing cavity(s) at 2872.8 ft. Dominantly smooth textured interval with small, isolated, and rare moderate size, cavities from 2873.0 to 2937.0 ft; borehole locally washed out, irregularly shaped from 2883.0 to 2912.0 ft.</p> <p><b>Dominantly massive light-colored limestone with interbedded dolomite:</b> borehole in limestone intervals generally to gauge and rarely washed out; dolomite intervals variably washed out and irregularly shaped with locally blocky, fractured wallrock. Large, irregularly shaped, blocky cavernous zone (dolomite) from 2937.5 to 2940.0 ft, Light-colored, generally smooth textured wallrock (limestone) from 2940.0 to 2947.5 ft. Variably washed out, locally cavernous, irregularly shaped borehole (dolomite) with sub-vertical to moderately dipping fractures from 2947.5 to 2971.0 ft. Zone of locally blocky, moderately fractured wallrock from 2962.5 to 2970.7 ft. Light-colored, generally smooth textured, locally fractured wallrock (limestone) with rare washout zones from 2971.0 to 2995.1 ft. Small cavity(s) with sub-vertical fractures at 2975.1 ft. Large sub-vertical fracture(s) from 2979.8 to 2981.7 ft. Blocky fractured wallrock at 2989.3 ft.</p>
2990 – 3009	<p><b>Light-colored limestone and minor interbedded dark-colored dolomite:</b> limestone is generally smooth-textured and thinly bedded with wavy horizontal bedding planes from 2990 to 2998 ft and several sub-horizontal fractures between 2995 to 2996 ft. Blocky, darker colored, horizontal washout zone at 2998 ft. Large, irregular, blocky wash-out zone/cavern from 3000.5 to 3003.0 ft. Sub-vertical fractures from 3003.4 to 3003.8 ft.</p>
3009 - 3058	<p><b>Massive to thinly bedded dolomite:</b> slightly darker and a rougher texture than above with horizontal to shallow-dipping bedding planes common throughout section. Borehole is generally to gauge, except for a slight enlargement from 3009 to 3013 ft. Darker colored, rough texture beds at 3009.3 ft, 3023 ft, 3024.5 to 3026.5 ft, and 3048 ft. Partly washed out sub-vertical fractures at 3024.5 ft and 3040.0 ft. Small, horizontal wash out zone at 3049.9 ft. Moderately vuggy from 3056.5 to 3057.5 ft.</p>
3058 - 3274	<p><b>Dominantly massive dolomite:</b> highly cavernous, locally fractured, and variably vuggy. Moderate to strong water-producing zones occur near the top of the section from 3065 to 3074 ft, between 3208 to 3215 ft, and at the bottom of the section from 3271 to 3274 ft. Borehole is commonly irregularly shaped with large to very large caverns, smaller washout zones, and abundant cavities throughout the section. Few sedimentary structures were observed in this section. Multiple, large to very large, irregularly-shaped, blocky caverns with moderate to strong water flow occur between 3064 to 3074 ft, 3186 to 3193 ft, 3208 to 3215 ft, and 3256 to 3274 ft. Other large to moderate-size, irregularly-shaped, blocky caverns occur at 3105 to 3108 ft and 3146 to 3148 ft, between 3186 to 3196 ft and 3217 to 3235 ft, and at 3244 to 3248 ft. Partly</p>

Interval (feet bpl)	Observations Injection Well IW5
3274 - 3507	<p>washed out, high angle fractures and blocky fracture sets occur at 3086 to 3088 ft, 3092 to 3105 ft, 3115 to 3120 ft, 3135 to 3138 ft, and at 3220 ft. View obscured between 3260 to 3271 ft by strong water flow from cavernous zone at 3271 to 3273.5 ft.</p> <p><b>Massive to thinly bedded dolomite:</b> variably vuggy, and locally fractured and cavernous with horizontal to shallow-dipping bedding features, minor sub-horizontal wash-out zones and small, irregularly-shaped cavities common throughout the section. Borehole is generally to gauge with only minor, local irregularities in shape (e.g., borehole is egg-shaped at 3438.5 ft). Numerous, irregularly-shaped, crystalline-lined cavities from 3303.7 to 3306.5 ft with a minor water-producing zone at 3305.8 ft. Prominent, irregularly shaped, sub-horizontal washout zones/caverns (~0.5 ft thick) at 3318.5 ft and 3498.5 ft. Widely-spaced fractures and fracture sets occur at 3290 to 3294 ft, 3386 to 3387 ft, 3306 to 3307 ft, 3433 to 3434 ft, 3450 to 3460 ft, and 3465 to 3466 ft.</p>

**Appendix I - Television Survey  
Injection Well IW6**

Interval (feet bpl)	Observations Injection Well IW6
1665 - 1730	<b>Massive light-colored limestone:</b> no fractures, caverns or vugs. Faint bedding plane at about 1687.8 feet. Distinct laminated bed/bedding plane at about 1728.0 feet.
1730 - 1760	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Darker colored thin beds (dolomite?) from 1731.5 to 1733.0 feet. Darker colored laminated beds at about 1736.4 feet. Light-colored laminated to thin beds from 1738.4 to 1740.0 feet. Darker colored thin beds from 1741.0 to 1741.5 feet. Laminated bed/bedding plane at about 1746.1 feet.
1750 - 1760	<b>Dominantly massive light-colored limestone:</b> similar to above. Darker colored laminated to thin beds (dolomite?) from 1751.5 to 1754.5 feet and 1758.5 to 1759.0 feet.
1760 - 1780	<b>Massive light-colored limestone:</b> similar to above, no fractures, caverns or vugs. Borehole wall is coated with a gray opaque material (drilling mud) from 1763 to 1771 feet.
1780 - 1800	<b>Dominantly massive light-colored limestone:</b> similar to above. Light-colored thin bed at about 1782.0 feet. Borehole wall is locally coated with a gray drilling mud from 1788.5 to 1798.5 feet. Dark colored thin wavy bed/bedding plane at 1799.2 feet.
1800 - 1840	<b>Dominantly massive light-colored limestone:</b> locally laminated to thin bedded. Gradational contact between light and dark colored bed (dolomite?) at 1802.8 feet. Distinct darker colored laminated to thin beds from 1803.8 to 1808.0 feet, less prominent beds down to 1813.0 feet. Darker colored, rough textured bed(s) (dolomite?) from 1821.4 to 1822.1 feet. Darker colored laminated beds/bedding planes from 1824.4 to 1231.3 feet. Borehole wall is partially coated with a gray drilling mud from about 1834.5 feet on down.
1840 - 1900	<b>Massive light-colored limestone:</b> similar to above, no fractures, caverns or vugs. Dark colored thin wavy bed/bedding plane between 1840.2 to 1841.5 feet. Light-colored thin bed/bedding plane between 1849.5 to 1852.6 feet. Borehole wall is coated with a gray drilling mud from about 1878.5 to 1884.6 feet. Darker colored laminated beds (dolomite?) at about 1887.0 feet.
1900 - 1928	<b>Dominantly massive light-colored limestone:</b> no fractures, caverns or vugs. Borehole wall locally obscured by gray coating (drilling mud). Darker colored thin wavy beds from 1903.5 to 1903.9 ft. Faint thin wavy beds at 1906.4 ft. Wash out (< 1ft thick) of thin wavy bed at 1906.8 ft. Light and dark colored thin wavy and planar beds from 1913.2 to 1913.7 ft. Light-colored thin wavy

Interval (feet bpl)	Observations Injection Well IW6
	beds at 1921.5 ft. Darker colored, thin wavy beds with rough texture (dolomite?) from 1921.7 to 1921.9 ft. Light colored thin beds from 1924.7 to 1925.3 feet (possible bit-wall scrapings).
1928 - 1967	<p><b>Dominantly massive light-colored limestone with interbedded dolomite:</b> no fractures, caverns or vugs. Borehole wall locally obscured by gray coating (drilling mud). Darker colored, rough textured beds (dolomite) from 1927.9 to 1929.4 ft, 1929.8 to 1930.3 ft and 1935.0 to 1935.4 ft. Dark-colored thin planar bed at 1935.8 ft. Darker colored, rough textured beds (dolomite) from 1936.0 to 1936.7 ft, Dark-colored thin wavy bed (&gt;. 1ft thick) partly obscured by gray coating at 1937.9 ft. Darker colored, rough textured bed (dolomite) from 1941.2 to 1942.2 ft. Dark-colored thin beds/bedding planes at 1943.6 ft. Faint dark and light-colored thin beds at 1949.0 ft. Darker colored thin bed(s) with sharp, irregular upper contact at 1949.8 to 1950.0 ft. Dark-colored, rough textured bed (dolomite) dipping 5-10 degrees from 1950.8 to 1952.4 ft. Dark gray thin wavy beds at 1954.7 ft. Faint dark- and light-colored thin beds at 1958.1 ft. Dark-colored, rough textured bed (dolomite) with sharp upper contact at 1958.9 to 1960.4 ft. Dark-colored thin wavy beds at 1960.6 ft. Dark-colored, rough textured bed (dolomite)(+/- .1 ft thick) at 1962.8 ft.</p>
1967 - 2127	<p><b>Dark-colored dolomite with minor interbedded limestone:</b> variably vuggy, cavernous, and/or washed out. Dark-colored, partly washed out dolomite with vuggy texture from 1966.9 to 1968.5 ft. Dark-colored, rough textured dolomite from 1968.5 to 1971.2, partly washed out and broken from 1970.6 to 1971.2 ft. Completely washed out sub-horizontal cavern with high water flow from 1971.2 to 1971.4 ft. Dark-colored, rough textured dolomite from 1971.4 to 1974.5 ft, partly washed out and broken from 1971.4 to 1972.3 ft. Smooth, lighter colored thin beds (probable interbedded limestone) from 1974.5 to 1975.0 ft and 1978.2 to 1978.4 ft. Dark-colored dolomite; partly vuggy, cavernous, and washed out from 1978.9 to 1982.0 ft. Smooth, lighter colored thin bed (probable interbedded limestone) from 1986.6 to 1986.8 ft. Partly washed out from 1991.8 to 1992.0 ft. Sub-horizontal washout zone (+/- .1 ft thick) at 1993.5 ft. Lighter colored thin wavy bed (limestone?) at 1995.5 ft. Smooth, lighter colored thin bed (probable interbedded limestone) from 2000.3 to 2001.1 ft. Partly washed out from 2002.0 to 2003.2 ft. Variably broken and washed out from 2007.0 to 2021.7 ft. Thin (+/- .1 ft thick), sub-horizontal washout zone (probable bedding plane) at 2025.3 ft. Light and dark colored, thin to laminated wavy beds at 2028.6 ft. Thin (+/- .1 ft thick), sub-horizontal washout zone (probable bedding plane) at 2030.8 ft. Variably broken and washed out from 2036.9 to 2042.3 ft. As above from 2045.3 to 2061.0 ft; large washout zones from 2047 to 2050 ft and from 2052 to 2058 ft, cavernous at 2054.4 ft. Smooth, lighter colored bed (probable interbedded limestone) from 2062.8 to 2064.6 ft. Cavern/wash-out zone at 2069.0 ft. Dark-colored</p>

Interval (feet bpl)	Observations Injection Well IW6
2127 - 2496	<p>dolomite with prominent vuggy texture from 2072.4 to 2072.9 ft. Variably broken and washed out from 2072.9 to 2074.9 ft. Sub-horizontal bedding plane and cavernous/wash-out zones at 2078.9 ft. Partly washed out bedding plane at 2081.1 ft. Smooth, lighter colored bed (probable interbedded limestone) from 2081.3 to 2082.2 ft. Dark-colored dolomite with weak to prominent vuggy texture and variably washed out from 2082.2 to 2119.3 ft; significant wash-out zones with caverns at 2097.9 to 2098.2 ft and 2105.1 to 2105.7 ft. View obscure from 2119.3 to 2120.3 ft. Cont. dark-colored, variably vuggy and partly washed out dolomite from 2120.3 to 2126.4 ft.</p> <p><b>Dominantly massive light-colored limestone with interbedded dolomite:</b> locally vuggy, cavernous, and/or washed out; bore hole wall partly obscured by gray coating (drilling mud) from 2126.4 to 2136.5 ft. Slightly darker colored thin beds with granular texture (dolomite/dolomitic limestone?) from 2146.4 to 2148.0 ft and 2151.2 to 2151.4 ft. Light-colored bed with vuggy texture (limestone?) from 2151.4 to 2156.0 ft. Darker colored, partly vuggy unit (dolomite) with flowing water from 2211.2 to 2215.3 ft; variably washed out, faint/gradational upper contact. Partly washed out and/or cavernous from 2229.0 to 2238.8 ft. Dark-colored bedding plane (@ 2-5 degrees) at 2240.1 ft. Slightly darker colored, variably washed out unit with small caverns from 2242.5 to 2245.0 ft. Slightly darker colored intervals with coarse vuggy texture and small caverns from 2258.8 to 2263.0 ft, 2271.7 to 2273.0 ft, 2290.5 to 2299.0 ft, and 2354.7 to 2357.1 ft. Dark-colored, thin, irregular bedding plane (@ 5-10 degrees) at 2407.9 ft. Irregularly shaped cavities with dark gray lining at 2447.8 ft, 2461.4 ft, 2467.8 ft, and 2474.8 ft. Light-colored unit with gray patches and rough texture from 2488.0 to 2496.0 ft; irregularly-shaped cavities with dark gray lining at 2493.2 to 2493.7 ft.</p>
2496 - 2520	<p><b>Dark-colored dolomite:</b> dark brown and gray with coarse, highly vuggy texture, locally cavernous, fine crystalline texture lining vugs and caverns.</p>
2520 - 2596	<p><b>Dominantly massive light-colored limestone:</b> no fractures, wash outs, or large caverns. Irregularly shaped cavity with dark gray lining at 2526.1 ft. Slightly darker colored with moderately rough, coarse texture (dolomitic limestone?) from 2554.0 to 2557.9 ft. Irregularly shaped cavity with dark gray lining at 2559.0 ft. Dark gray, conical-shaped shell fossil cast/mold at 2560.7 ft. Borehole wall is partially coated with a gray drilling mud from about 1834.5 feet on down. Irregularly-shaped cavity with dark gray lining at 2561.7 ft, 2563.0 ft, 2568.9 ft, 2574.2 ft, 2575.3 ft, 2577.6 ft, 2579.0 to 2580.0 ft, 2583.7 ft, 2586.6 ft, and 2589.8 ft. Shell fossil tests (?) in borehole wall at 2595.1 ft.</p>
2596 - 2691	<p><b>Dark-colored dolomite with minor interbedded limestone:</b> variably vuggy, cavernous, and/or washed out, locally with high water flow. Dark brown and</p>



Interval (feet bpl)	Observations Injection Well IW6
	gray dolomite with highly vuggy texture from 2596.7 to 2611.8 ft; cavernous with fine crystalline texture lining vugs and caverns. Very light yellowish tan and patchy gray interbedded limestone from 2611.8 to 2615.3 ft. Dark brown and gray dolomite with variably vuggy texture from 2615.3 to 2690.7 ft; moderately to strongly cavernous down to 2639 ft with fine crystalline texture lining vugs and caverns, less cavernous below 2639 ft. Thin sub-horizontal wavy bed(s) at 2664.3 ft. Sub-horizontal washout zone with high water flow at 2682.6 ft. Multiple sub-horizontal, blocky washout zones from 2685.0 to 2690.7 ft, high water flow from 2685.0 to 2688.2 ft.
2691 - 2840	<b>Dominantly massive light-colored limestone with interbedded dolomite:</b> limestone with dark gray patches along borehole wall; dolomite commonly vuggy with cavities. Interbedded dark brown and gray vuggy dolomite layers at 2698.7 to 2699.5 ft, 2706.5 to 2707.3 ft, 2720.5 to 2722.5 ft, and 2728.5 to 2732.6 ft. Thin sub-horizontal bedding plane at 2733.4 ft. Interbedded dark brown and gray cavernous, vuggy dolomite from 2735.7 to 2737.0 ft. Sharp irregular bedding plane at 2739.2 ft. Alternating light and dark-colored, thin wavy bedding features dipping 1-6 degrees at 2739.5 to 2739.7 ft. Interbedded dark brown and gray, variably vuggy dolomite with cavities from 2746.7 to 2751.0 ft and 2754.1 to 2757.0 ft.; sub-horizontal wash-out zone at 2748.5 ft. Slightly darker colored, rough-textured unit (dolomite?) from 2764.4 to 2770.6 ft. Interbedded dark brown and gray cavernous, variably vuggy dolomite with flowing water from 2811.0 to 2812.9 ft. Slightly darker colored, rough-textured, weakly vuggy unit (dolomite?) from 2832 to 2835 ft. Darker colored, rough-textured, vuggy unit (dolomite?) with flowing water from 2838.7 to 2839.6 ft; irregular, wavy upper contact.
2840 - 2928	<b>Dominantly massive light-colored limestone:</b> no wash outs, caverns or vugs. Dark-colored, sub-horizontal bedding plane (?) at 2887.5 ft. Darker colored, sub-horizontal wavy bedding planes/laminated beds at 2914.3 to 2914.5 ft and 2921.8 to 2922.1 ft. Alternating light and dark-colored thin beds dipping 10-15 degrees from 2926.7 to 2926.9 ft. Sub-vertical fracture from 2926.5 to 2928.3 ft; no apparent offset.
2928 - 2990	<b>Dominantly massive light-colored limestone with interbedded dolomite:</b> dark gray and brown, variably vuggy dolomite with gradational lower contact from 2928.3 to 2931.3 ft; faint bedding features at 2928.3 to 2928.7 ft. Sub-vertical fractures at 2929.4 ft. Sharp irregular bedding plane/contact at 2931.5 ft. Alternating light and dark-colored, rougher textured, thin beds (dolomite?) dipping 10-15 degrees at 2936.1 to 2936.3 ft. Dark-colored, sub-horizontal bedding plane/laminated bed at 2944.9 ft. Prominent high-angle (75 degrees) fracture cutting shallow dipping (10-15 degrees); light-colored, thin bed at 2947.9 ft; no apparent offset. Alternating light and dark-colored, smooth textured, thin beds from 2951.2 to 2951.5 ft. Darker colored, thin bed

Interval (feet bpl)	Observations Injection Well IW6
2990 - 3007	<p>(dolomite?) from 2951.5 to 2951.7 ft. Dark-colored, irregular, wavy laminated beds at 2953.5 ft. Dark-colored, rough-textured, dolomite from 2960.4 to 2961.7 ft; large crystalline-lined cavity(s) at 2961.0 ft; dark-colored, thin wavy bed(s) dipping ~10 degrees at lower contact. Darker colored, rough-textured, thin beds (dolomite) at 2966.1 to 2966.8 ft and 2969.1 to 2970.0 ft. Irregular, sub-horizontal fractures at 2973.7 ft and 2977.1 ft. Darker colored, rough-textured, thin bed (dolomite) at 2981.7 to 2982.2 ft. Irregular, dark-colored, sub-horizontal fractures (?) at 2991.6 ft.</p> <p><b>Limestone and interbedded dolomite (?)</b>: view partly obscured by cloudy water conditions and black coating on borehole wall. Borehole is generally to gauge. Partly washed out, sub-horizontal to moderately dipping fractures occur immediately below casing at 2990.3 ft, and from 2998.3 to 2998.8 ft and 3005.5 to 3006.5 ft. Small, shallow, blocky washout zones occur at 2998.3 ft and 2999.5 ft. Sub-horizontal bedding planes were noted at 2994.4 ft and 3006.0 ft.</p>
3007 - 3112	<p><b>Dominantly massive dolomite</b>: highly cavernous, locally fractured, and variably vuggy. Borehole is commonly irregularly shaped with large to very large caverns, smaller washout zones, and abundant cavities throughout the section. Features are partly enhanced by a black coating. Partly washed out, variably oriented fractures and blocky fracture sets occur throughout the section. Few sedimentary structures were observed. Downhole view is partly obscured by cloudy water conditions and a black coating on the borehole wall from 3021 to 3061 ft. Multiple, large to very large, irregularly shaped, blocky caverns occur at 3007 to 3020 ft, 3061 to 3069 ft, and 3101 to 3112 ft. Moderate water-producing zones occur near the middle of the section at 3061 to 3065 ft and 3068 to 3069 ft and near the bottom of the section from 3103 to 3107 ft.</p>
3112 - 3281	<p><b>Massive to thinly bedded dolomite</b>: variably vuggy and locally fractured and cavernous with horizontal to shallow dipping bedding features, numerous small, irregularly shaped, crystalline-lined cavities and small to moderate size, irregularly shaped, sub-horizontal caverns. Features are commonly enhanced by a black coating. Thin, sub-horizontal, water-producing cavern at 3127 ft. Several moderate to high angle fractures from 3135 to 3142 ft. Several sub-horizontal, irregularly shaped, blocky caverns occur between 3145 to 3180 ft with several large caverns in the upper portion of this interval between 3145 to 3156 ft and a moderate water-producing zone at the top of the section from 3145 to 3147 ft. Variably oriented fractured wallrock between 3167 to 3174 ft. Thin, sub-horizontal, water-producing cavern at 3175 ft. Small, irregularly shaped, sub-horizontal caverns from 3199 to 3200 ft. Variably oriented, widely spaced, irregular fractures between 3213 to 3222 ft. Dominantly sub-vertical fractures between 3238 to 3242 ft directly above cavernous zone.</p>

Interval (feet bpl)	Observations Injection Well IW6
3281 - 3510	<p>Several sub-horizontal, irregularly shaped, blocky caverns occur between 3242 to 3281 ft with a large blocky cavern in the lower portion of this interval from 3271.5 to 3274.5 ft and a clast and matrix supported breccia with very angular fragments from 3249 to 3254 ft.</p> <p><b>Massive to thinly bedded dolomite:</b> variably vuggy, locally fractured &amp; rarely cavernous with horizontal to shallow dipping bedding features, minor sub-horizontal washout zones and small, irregularly shaped, crystalline-lined cavities common throughout the section. Features are commonly enhanced by a black coating. Borehole is generally to gauge with only local irregularities in shape (e.g., from 3352 to 3372 ft). Several small to moderate size, irregularly shaped, sub-horizontal, blocky caverns occur between 3352 to 3372 ft. Sub-horizontal to moderately dipping fractures occur at 3391 to 3393 ft. Dominantly sub-vertical fractures and fracture sets between 3426 to 3428 ft, 3432 to 3446 ft, 3455 to 3458 ft, and 3468 to 3483 ft. Clast-supported breccia with very angular fragments at 3489 ft.</p>

**APPENDIX J**

**PACKER PUMPING TEST DATA AND GRAPHS**

# **IW5 Staddle Packer Test**

**1380 - 1430**

BCNRWWTP  
 IW 5  
 1380 - 1430  
 BACKGROUND

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	0	0.7833	-0.078	19	-0.078	86	-0.157
0.0083	-0.078	0.8	-0.078	20	-0.078	87	-0.157
0.0166	0	0.8166	-0.078	21	-0.078	88	-0.157
0.025	0	0.8333	-0.078	22	-0.078	89	-0.157
0.0333	0	0.85	0	23	-0.078	90	-0.157
0.0416	-0.078	0.8666	-0.078	24	-0.078	91	-0.157
0.05	-0.078	0.8833	-0.078	25	-0.078	92	-0.157
0.0583	-0.078	0.9	-0.078	26	-0.078	93	-0.157
0.0666	-0.078	0.9166	0	27	-0.078	94	-0.157
0.075	-0.078	0.9333	-0.078	28	-0.078	95	-0.157
0.0833	-0.078	0.95	-0.078	29	-0.078	96	-0.157
0.0916	-0.078	0.9666	-0.078	30	-0.078	97	-0.157
0.1	-0.078	0.9833	-0.078	31	-0.078	98	-0.157
0.1083	-0.078	1	-0.078	32	-0.078	99	-0.157
0.1166	-0.078	1.2	0	33	-0.078	100	-0.157
0.125	-0.078	1.4	0	34	-0.078	101	-0.157
0.1333	-0.078	1.6	-0.078	35	-0.078	102	-0.157
0.1416	-0.078	1.8	0	36	-0.078	103	-0.157
0.15	-0.078	2	-0.078	37	-0.078	104	-0.157
0.1583	-0.078	2.2	0	38	-0.078	105	-0.236
0.1666	-0.078	2.4	0	39	-0.078	106	-0.157
0.175	-0.078	2.6	0	40	-0.078	107	-0.157
0.1833	-0.078	2.8	0	41	-0.078	108	-0.157
0.1916	-0.078	3	-0.078	42	-0.078	109	-0.236
0.2	-0.078	3.2	0	43	-0.078	110	-0.157
0.2083	-0.078	3.4	-0.078	44	-0.157	111	-0.236
0.2166	-0.078	3.6	-0.078	45	-0.157	112	-0.157
0.225	-0.078	3.8	-0.078	46	-0.078	113	-0.236
0.2333	-0.078	4	-0.078	47	-0.078	114	-0.157
0.2416	-0.078	4.2	-0.078	48	-0.078	115	-0.157
0.25	-0.078	4.4	-0.078	49	-0.078	116	-0.236
0.2583	-0.078	4.6	-0.078	50	-0.078	117	-0.236
0.2666	-0.078	4.8	-0.078	51	-0.157	118	-0.236
0.275	-0.078	5	-0.078	52	-0.157		
0.2833	-0.078	5.2	-0.078	53	-0.157		
0.2916	-0.078	5.4	-0.078	54	-0.078		
0.3	-0.078	5.6	-0.078	55	-0.157		
0.3083	-0.078	5.8	-0.078	56	-0.157		
0.3166	-0.078	6	-0.078	57	-0.157		
0.325	-0.078	6.2	-0.078	58	-0.157		
0.3333	-0.078	6.4	-0.078	59	-0.157		
0.35	-0.078	6.6	-0.078	60	-0.157		
0.3666	-0.078	6.8	-0.078	61	-0.157		
0.3833	0	7	-0.078	62	-0.157		
0.4	0	7.2	-0.078	63	-0.157		
0.4166	0	7.4	-0.078	64	-0.157		
0.4333	-0.078	7.6	-0.078	65	-0.157		
0.45	-0.078	7.8	-0.078	66	-0.157		
0.4666	-0.078	8	-0.078	67	-0.157		
0.4833	0	8.2	-0.078	68	-0.157		
0.5	-0.078	8.4	-0.078	69	-0.157		
0.5166	-0.078	8.6	-0.078	70	-0.157		
0.5333	-0.078	8.8	-0.078	71	-0.157		
0.55	-0.078	9	-0.078	72	-0.157		
0.5666	-0.078	9.2	-0.078	73	-0.157		
0.5833	-0.078	9.4	-0.078	74	-0.157		
0.6	-0.078	9.6	-0.078	75	-0.157		
0.6166	0	9.8	-0.078	76	-0.157		
0.6333	-0.078	10	-0.078	77	-0.157		
0.65	-0.078	11	-0.078	78	-0.157		
0.6666	-0.078	12	-0.078	79	-0.157		
0.6833	0	13	-0.078	80	-0.157		
0.7	-0.078	14	-0.078	81	-0.157		
0.7166	-0.078	15	-0.078	82	-0.157		
0.7333	-0.078	16	-0.078	83	-0.157		
0.75	-0.078	17	-0.078	84	-0.157		
0.7666	-0.078	18	-0.078	85	-0.157		

BCNRWWTP  
 IW 5  
 1380 - 1430  
 DRAWDOWN

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	-0.236	0.7833	39.71	19	44.278	86	45.065	153	45.144
0.0083	-0.236	0.8	39.789	20	44.278	87	44.987	154	45.144
0.0166	-0.236	0.8166	39.868	21	44.278	88	45.065	155	45.065
0.025	-0.236	0.8333	39.947	22	44.357	89	45.065	156	45.065
0.0333	-0.236	0.85	40.026	23	44.436	90	45.065	157	45.223
0.0416	-0.236	0.8666	40.026	24	44.436	91	44.987	158	45.144
0.05	-0.236	0.8833	40.026	25	44.436	92	45.065	159	45.144
0.0583	-0.236	0.9	40.104	26	44.436	93	45.065	160	45.144
0.0666	-0.236	0.9166	40.183	27	44.436	94	45.065	161	45.144
0.075	-0.236	0.9333	40.104	28	44.593	95	45.065	162	45.144
0.0833	-0.236	0.95	40.262	29	44.514	96	45.065	163	45.223
0.0916	22.066	0.9666	40.262	30	44.514	97	45.144	164	45.065
0.1	13.398	0.9833	40.262	31	44.672	98	45.065	165	45.144
0.1083	21.435	1	40.341	32	44.751	99	45.065	166	45.065
0.1166	27.659	1.2	40.734	33	44.751	100	45.144	167	45.065
0.125	30.259	1.4	41.049	34	44.672	101	45.065	168	45.065
0.1333	32.228	1.6	41.286	35	44.751	102	45.144	169	45.144
0.1416	31.047	1.8	41.522	36	44.829	103	45.065	170	45.065
0.15	31.519	2	41.679	37	44.751	104	45.065	171	45.144
0.1583	31.756	2.2	41.837	38	44.751	105	45.065	172	45.144
0.1666	32.228	2.4	41.994	39	44.829	106	45.144	173	45.144
0.175	33.016	2.6	26.399	40	44.751	107	45.144	174	45.223
0.1833	32.937	2.8	30.023	41	44.751	108	45.065	175	45.065
0.1916	33.41	3	32.622	42	44.829	109	45.065	176	45.144
0.2	33.646	3.2	34.749	43	44.751	110	45.144	177	45.223
0.2083	33.803	3.4	36.403	44	44.751	111	45.065	178	45.065
0.2166	34.276	3.6	37.663	45	44.829	112	45.065	179	45.223
0.225	34.512	3.8	38.687	46	44.829	113	45.144	180	45.065
0.2333	34.749	4	39.474	47	44.908	114	44.987	181	45.223
0.2416	34.906	4.2	40.104	48	44.908	115	45.065	182	45.144
0.25	35.064	4.4	40.577	49	44.829	116	45.065	183	45.144
0.2583	35.221	4.6	41.049	50	44.908	117	45.144	184	45.144
0.2666	35.379	4.8	41.364	51	44.751	118	45.065	185	45.144
0.275	35.615	5	41.679	52	44.829	119	45.065	186	45.144
0.2833	35.773	5.2	41.994	53	44.829	120	45.065	187	45.144
0.2916	36.009	5.4	42.073	54	44.751	121	45.144	188	45.144
0.3	36.009	5.6	42.309	55	44.829	122	45.144	189	45.302
0.3083	36.245	5.8	42.467	56	44.908	123	45.223	190	45.144
0.3166	36.324	6	42.624	57	44.908	124	45.223	191	45.144
0.325	36.481	6.2	42.624	58	44.908	125	45.144	192	45.144
0.3333	36.718	6.4	42.861	59	44.829	126	45.144	193	45.223
0.35	36.796	6.6	42.782	60	44.829	127	45.065	194	45.144
0.3666	37.112	6.8	42.939	61	44.908	128	45.144	195	45.144
0.3833	37.269	7	43.018	62	44.908	129	45.144	196	45.065
0.4	37.348	7.2	43.097	63	44.987	130	45.144	197	45.223
0.4166	37.505	7.4	43.176	64	44.987	131	45.144	198	45.065
0.4333	37.584	7.6	43.176	65	44.908	132	45.144	199	45.144
0.45	37.899	7.8	43.176	66	44.908	133	45.065	200	45.144
0.4666	38.135	8	43.254	67	44.908	134	45.144	201	45.223
0.4833	38.293	8.2	43.333	68	44.908	135	45.065	202	45.223
0.5	38.293	8.4	43.412	69	44.908	136	45.144	203	45.144
0.5166	38.529	8.6	43.333	70	44.908	137	45.144	204	45.223
0.5333	38.372	8.8	43.412	71	44.987	138	45.144	205	45.144
0.55	38.687	9	43.412	72	44.908	139	45.144	206	45.223
0.5666	38.687	9.2	43.412	73	44.829	140	45.065	207	45.144
0.5833	38.844	9.4	43.569	74	44.908	141	45.065	208	45.223
0.6	38.844	9.6	43.491	75	44.987	142	45.144	209	45.144
0.6166	39.002	9.8	43.491	76	44.987	143	45.065	210	45.144
0.6333	39.08	10	43.648	77	44.908	144	44.987	211	45.144
0.65	39.159	11	43.727	78	44.987	145	45.065	212	45.144
0.6666	39.317	12	43.884	79	44.987	146	45.065	213	45.144
0.6833	39.395	13	43.963	80	44.908	147	45.144	214	45.144
0.7	39.317	14	43.963	81	44.987	148	45.065	215	45.223
0.7166	39.395	15	44.042	82	44.987	149	45.144	216	45.223
0.7333	39.553	16	44.042	83	44.987	150	45.065	217	45.223
0.75	39.632	17	44.042	84	45.065	151	45.144	218	45.223
0.7666	39.632	18	44.121	85	44.987	152	45.144	219	45.144

BCNRWWTP  
IW 5  
1380 - 1430  
DRAWDOWN

Time	Water Level
220	45.065
221	45.144
222	45.223
223	45.223
224	45.223
225	45.144
226	45.144
227	45.223
228	45.144
229	45.144
230	45.065
231	45.144
232	45.302
233	45.223
234	45.302
235	45.144
236	45.144
237	45.144
238	45.302
239	45.302
240	45.144
241	45.223
242	45.223



BCNRWWTP  
 IW 5  
 1380-1430  
 RECOVERY DATA

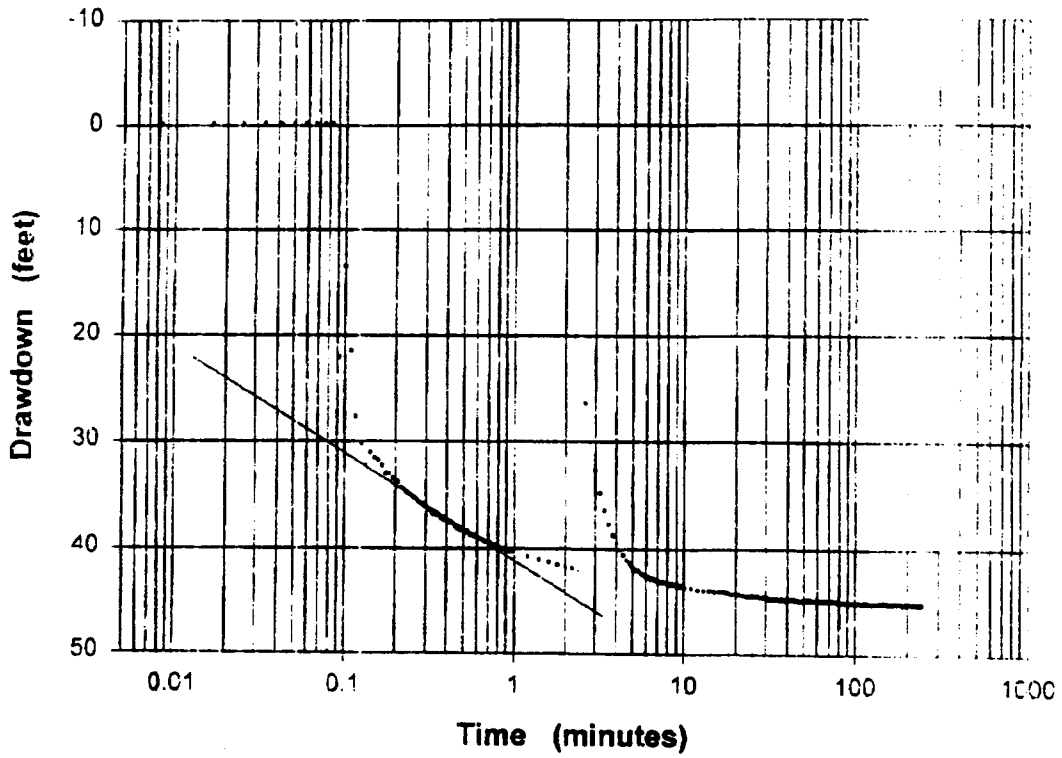
Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	45.144	0.7833	21.672	19	0.709	86	-0.078	153	-0.236
0.0083	45.144	0.8	21.593	20	0.709	87	-0.078	154	-0.236
0.0166	45.144	0.8166	21.593	21	0.63	88	-0.157	155	-0.236
0.025	45.144	0.8333	21.593	22	0.63	89	-0.157	156	-0.236
0.0333	45.223	0.85	21.514	23	0.551	90	-0.157	157	-0.236
0.0416	45.144	0.8666	21.357	24	0.551	91	-0.157	158	-0.236
0.05	39.868	0.8833	21.041	25	0.472	92	-0.157	159	-0.236
0.0583	42.073	0.9	20.254	26	0.472	93	-0.157	160	-0.236
0.0666	43.412	0.9166	18.126	27	0.472	94	-0.157	161	-0.236
0.075	43.097	0.9333	12.847	28	0.394	95	-0.157	162	-0.236
0.0833	43.806	0.95	7.566	29	0.394	96	-0.157	163	-0.236
0.0916	42.861	0.9666	6.621	30	0.394	97	-0.157	164	-0.236
0.1	42.624	0.9833	7.409	31	0.315	98	-0.157	165	-0.315
0.1083	42.388	1	7.645	32	0.315	99	-0.157	166	-0.236
0.1166	41.679	1.2	5.281	33	0.315	100	-0.157	167	-0.236
0.125	41.443	1.4	4.571	34	0.315	101	-0.157	168	-0.236
0.1333	41.049	1.6	4.177	35	0.315	102	-0.157	169	-0.315
0.1416	40.656	1.8	3.862	36	0.236	103	-0.157	170	-0.315
0.15	40.262	2	3.547	37	0.236	104	-0.157	171	-0.236
0.1583	39.71	2.2	3.389	38	0.236	105	-0.157	172	-0.236
0.1666	39.395	2.4	3.231	39	0.236	106	-0.157	173	-0.236
0.175	39.159	2.6	3.074	40	0.157	107	-0.157	174	-0.315
0.1833	38.687	2.8	2.916	41	0.157	108	-0.157	175	-0.315
0.1916	38.293	3	2.837	42	0.157	109	-0.157	176	-0.315
0.2	37.899	3.2	2.758	43	0.157	110	-0.157	177	-0.236
0.2083	37.584	3.4	2.68	44	0.157	111	-0.157	178	-0.315
0.2166	37.19	3.6	2.601	45	0.078	112	-0.157	179	-0.315
0.225	36.875	3.8	2.522	46	0.078	113	-0.157	180	-0.315
0.2333	36.481	4	2.443	47	0.078	114	-0.157		
0.2416	36.166	4.2	2.364	48	0.078	115	-0.157		
0.25	35.851	4.4	2.285	49	0.078	116	-0.236		
0.2583	35.536	4.6	2.207	50	0.078	117	-0.236		
0.2666	35.221	4.8	2.128	51	0.078	118	-0.157		
0.275	34.827	5	2.128	52	0.078	119	-0.236		
0.2833	34.591	5.2	2.049	53	0.078	120	-0.236		
0.2916	34.197	5.4	2.049	54	0.078	121	-0.236		
0.3	33.961	5.6	1.97	55	0.078	122	-0.236		
0.3083	33.567	5.8	1.97	56	0	123	-0.236		
0.3166	33.331	6	1.891	57	0	124	-0.236		
0.325	33.016	6.2	1.813	58	0	125	-0.236		
0.3333	32.701	6.4	1.813	59	0	126	-0.236		
0.35	32.071	6.6	1.734	60	0	127	-0.236		
0.3666	31.519	6.8	1.734	61	0	128	-0.236		
0.3833	30.968	7	1.734	62	0	129	-0.236		
0.4	30.338	7.2	1.655	63	0	130	-0.236		
0.4166	29.786	7.4	1.655	64	0	131	-0.236		
0.4333	29.314	7.6	1.576	65	0	132	-0.236		
0.45	28.762	7.8	1.576	66	0	133	-0.236		
0.4666	28.289	8	1.576	67	0	134	-0.236		
0.4833	27.738	8.2	1.497	68	0	135	-0.236		
0.5	27.265	8.4	1.497	69	-0.078	136	-0.236		
0.5166	26.793	8.6	1.497	70	-0.078	137	-0.236		
0.5333	26.241	8.8	1.418	71	-0.078	138	-0.236		
0.55	25.847	9	1.418	72	-0.078	139	-0.236		
0.5666	25.375	9.2	1.418	73	-0.078	140	-0.236		
0.5833	24.902	9.4	1.34	74	-0.078	141	-0.236		
0.6	24.508	9.6	1.34	75	-0.078	142	-0.236		
0.6166	24.035	9.8	1.34	76	-0.078	143	-0.236		
0.6333	23.641	10	1.34	77	-0.078	144	-0.236		
0.65	23.248	11	1.261	78	-0.078	145	-0.236		
0.6666	22.854	12	1.103	79	-0.078	146	-0.236		
0.6833	22.46	13	1.103	80	-0.078	147	-0.236		
0.7	22.066	14	1.024	81	-0.078	148	-0.236		
0.7166	21.751	15	0.945	82	-0.078	149	-0.236		
0.7333	21.751	16	0.867	83	-0.078	150	-0.236		
0.75	21.672	17	0.867	84	-0.078	151	-0.236		
0.7666	21.672	18	0.788	85	-0.078	152	-0.236		

**BCNRWWTP**

**IW 5**

**1380 - 1430**

**DRAWDOWN**



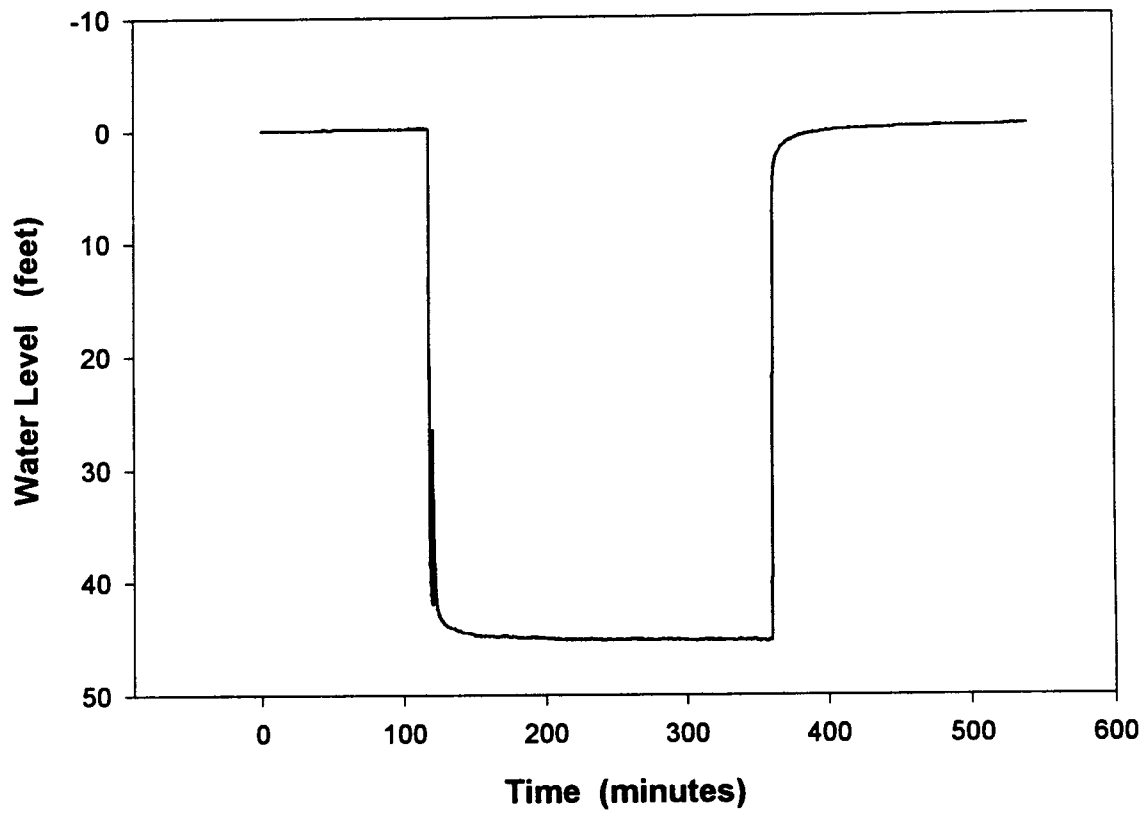
**Cooper - jacob Non-Equilibrium Drawdown Analysis**

**BCNRWWTP**

**IW 5**

**1380 -1430**

**BACKGROUND, DRAWDOWN AND RECOVERY**

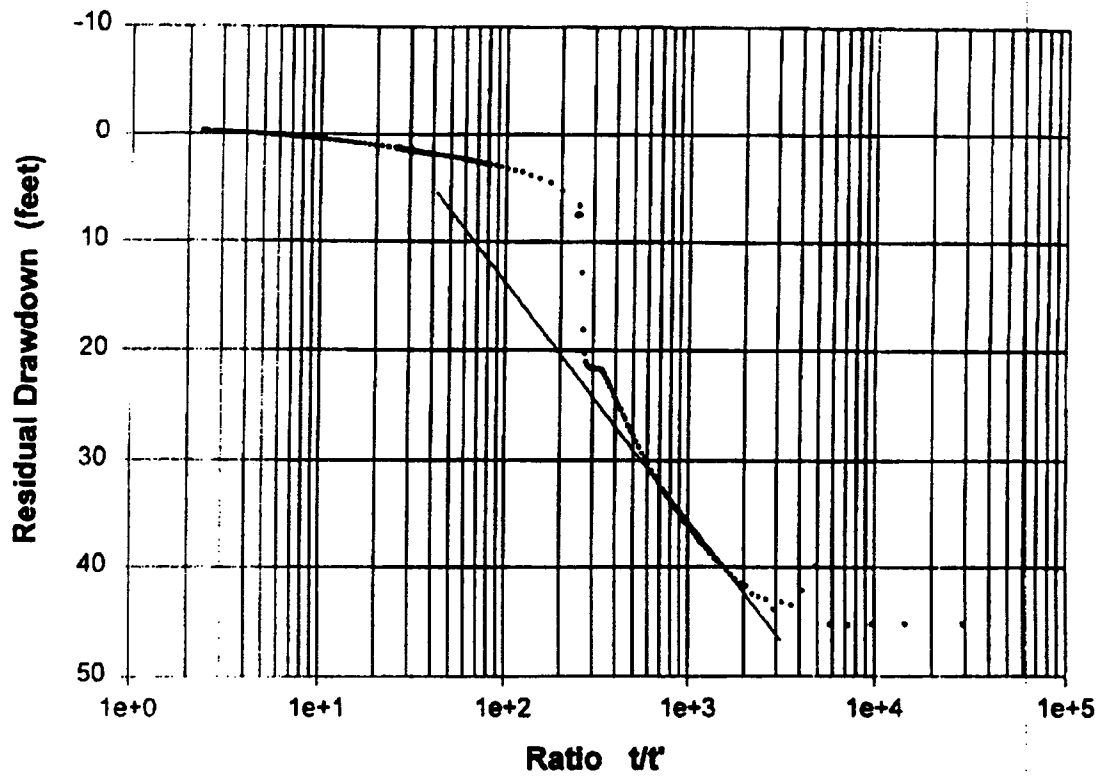


BCNRWWTP

IW 5

1380 - 1430

RESIDUAL DRAWDOWN vs  $t/t'$



# **IW5 Straddle Packer Test**

**1633 - 1647**

BCNRWWTP  
 IW 5  
 1633 - 1647  
 BACKGROUND DATA

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	0	0.7	0	9.8	0	71	-0.078
0.0083	0	0.7166	-0.078	10	0	72	-0.078
0.0166	0	0.7333	0	11	0	73	0
0.025	0	0.75	0	12	0	74	-0.078
0.0333	0	0.7666	0	13	0	75	0
0.0416	0	0.7833	-0.078	14	0	76	0
0.05	-0.078	0.8	0	15	0	77	0
0.0583	0	0.8166	-0.078	16	0	78	0
0.0666	0	0.8333	0	17	0	79	-0.078
0.075	0	0.85	0	18	0	80	0
0.0833	0	0.8666	0	19	0	81	-0.078
0.0916	0	0.8833	0	20	0	82	0
0.1	0	0.9	0	21	0	83	0
0.1083	-0.078	0.9166	-0.078	22	0	84	0
0.1166	0	0.9333	0	23	0	85	0
0.125	0	0.95	0	24	0	86	0
0.1333	0	0.9666	-0.078	25	0	87	0
0.1416	0	0.9833	0	26	0	88	-0.078
0.15	0	1	0	27	0	89	-0.078
0.1583	0	1.2	0	28	0	90	-0.078
0.1666	0	1.4	0	29	0	91	0
0.175	0	1.6	0	30	0	92	-0.078
0.1833	0	1.8	0	31	0	93	0
0.1916	-0.078	2	0	32	0	94	0
0.2	0	2.2	0	33	0	95	0
0.2083	-0.078	2.4	0	34	0	96	0
0.2166	0	2.6	0	35	0	97	0
0.225	0	2.8	0	36	0	98	0
0.2333	0	3	0	37	0	99	0
0.2416	0	3.2	0	38	-0.078	100	0
0.25	-0.078	3.4	0	39	0	101	0
0.2583	-0.078	3.6	0	40	0	102	0
0.2666	0	3.8	0	41	0	103	0
0.275	0	4	0	42	-0.078	104	0
0.2833	-0.078	4.2	0	43	-0.078	105	0
0.2916	0	4.4	0	44	-0.078	106	0
0.3	0	4.6	0	45	0	107	0
0.3083	0	4.8	0	46	-0.078	108	0
0.3166	0	5	0	47	-0.078	109	0
0.325	0	5.2	0	48	-0.078	110	0
0.3333	0	5.4	0	49	0	111	0
0.35	0	5.6	0	50	0	112	0
0.3666	0	5.8	0	51	0	113	0
0.3833	0	6	0	52	0	114	0
0.4	-0.078	6.2	0	53	0	115	0
0.4166	0	6.4	0	54	0	116	0
0.4333	0	6.6	0	55	0	117	0
0.45	0	6.8	0	56	0		
0.4666	0	7	0	57	-0.078		
0.4833	0	7.2	0	58	0		
0.5	0	7.4	0	59	0		
0.5166	0	7.6	0	60	0		
0.5333	0	7.8	0	61	-0.078		
0.55	0	8	-0.078	62	0		
0.5666	0	8.2	0	63	0		
0.5833	-0.078	8.4	0	64	-0.078		
0.6	0	8.6	0	65	0		
0.6166	0	8.8	0	66	0		
0.6333	0	9	0	67	0		
0.65	0	9.2	0	68	-0.078		
0.6666	0	9.4	0	69	0		
0.6833	0	9.6	0	70	0		

**BCNRWWTP  
IW 5  
1633 - 1647  
DRAWDOWN DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	0	0.7	74.44	9.8	222.694	71	234.613
0.0083	0	0.7166	75.227	10	223.243	72	234.378
0.0166	0	0.7333	75.935	11	226.223	73	234.613
0.025	-0.078	0.75	76.722	12	228.419	74	234.77
0.0333	0	0.7666	77.43	13	229.673	75	234.613
0.0416	0	0.7833	78.296	14	230.928	76	234.692
0.05	-0.078	0.8	78.926	15	231.634	77	234.77
0.0583	0	0.8166	79.713	16	232.339	78	234.848
0.0666	-0.078	0.8333	80.421	17	232.888	79	234.613
0.075	-0.078	0.85	81.129	18	233.437	80	234.535
0.0833	-0.078	0.8666	81.916	19	233.672	81	234.613
0.0916	-0.078	0.8833	82.703	20	233.829	82	234.535
0.1	38.142	0.9	83.332	21	234.143	83	234.456
0.1083	29.712	0.9166	83.962	22	234.221	84	234.3
0.1166	36.881	0.9333	84.749	23	234.3	85	234.143
0.125	28.531	0.95	85.536	24	234.535	86	234.692
0.1333	24.749	0.9666	86.165	25	234.378	87	234.692
0.1416	21.754	0.9833	86.873	26	234.378	88	234.848
0.15	17.184	1	87.581	27	234.535	89	235.084
0.1583	13.479	1.2	95.606	28	234.456	90	234.927
0.1666	11.115	1.4	102.921	29	234.456	91	235.162
0.175	45.073	1.6	109.999	30	234.221	92	235.005
0.1833	53.421	1.8	116.683	31	234.221	93	235.162
0.1916	49.641	2	122.894	32	233.986	94	235.24
0.2	48.853	2.2	128.711	33	233.908	95	235.24
0.2083	51.216	2.4	134.055	34	234.143	96	235.005
0.2166	51.767	2.6	139.164	35	234.221	97	235.005
0.225	51.373	2.8	144.114	36	234.221	98	234.692
0.2333	51.925	3	148.907	37	234.143	99	234.613
0.2416	52.554	3.2	153.385	38	234.456	100	234.3
0.25	52.791	3.4	158.019	39	234.3	101	234.535
0.2583	53.421	3.6	162.418	40	234.3	102	234.692
0.2666	53.736	3.8	166.58	41	234.143	103	234.692
0.275	54.366	4	170.507	42	234.535	104	234.77
0.2833	54.602	4.2	174.197	43	234.456	105	234.77
0.2916	55.232	4.4	177.652	44	234.613	106	234.848
0.3	55.547	4.6	180.949	45	234.613	107	235.005
0.3083	56.019	4.8	183.854	46	234.613	108	234.848
0.3166	56.177	5	186.758	47	234.613	109	235.005
0.325	56.57	5.2	189.506	48	234.378	110	235.084
0.3333	57.121	5.4	192.096	49	234.064	111	235.084
0.35	57.909	5.6	194.529	50	234.221	112	235.084
0.3666	58.696	5.8	196.726	51	234.221	113	235.084
0.3833	59.405	6	198.845	52	234.3	114	234.848
0.4	60.113	6.2	201.12	53	234.143	115	234.927
0.4166	60.979	6.4	203.004	54	234.378	116	234.613
0.4333	61.767	6.6	204.808	55	234.456	117	234.535
0.45	62.633	6.8	206.534	56	234.456	118	234.535
0.4666	63.341	7	208.26	57	234.692	119	234.378
0.4833	64.207	7.2	209.83	58	234.613	120	234.535
0.5	64.994	7.4	211.163	59	234.613	121	234.535
0.5166	65.86	7.6	212.732	60	234.456	122	234.378
0.5333	66.726	7.8	213.83	61	234.692	123	234.378
0.55	67.435	8	215.007	62	234.77	124	234.456
0.5666	68.222	8.2	215.948	63	234.613	125	234.535
0.5833	69.009	8.4	217.125	64	234.456	126	234.613
0.6	69.875	8.6	217.909	65	234.3	127	234.613
0.6166	70.583	8.8	218.929	66	234.221	128	234.378
0.6333	71.291	9	219.713	67	234.221	129	234.535
0.65	72.157	9.2	220.498	68	234.221	130	234.456
0.6666	72.944	9.4	221.282	69	234.456	131	234.378
0.6833	73.731	9.6	222.066	70	234.456	132	234.456

**BCNRWWTP  
IW 5  
1633 - 1647  
DRAWDOWN DATA**

Time	Water Level	Time	Water Level	Time	Water Level
133	234.3	195	235.005	257	234.143
134	234.378	196	235.084	258	234.221
135	234.378	197	235.005	259	234.3
136	234.613	198	234.848	260	234.378
137	234.613	199	234.77	261	234.535
138	234.692	200	234.535	262	233.986
139	234.456	201	234.535		
140	234.3	202	234.613		
141	234.221	203	234.692		
142	234.221	204	234.77		
143	234.613	205	234.77		
144	234.378	206	234.77		
145	234.221	207	234.77		
146	234.456	208	234.848		
147	234.221	209	234.848		
148	234.3	210	234.77		
149	234.064	211	234.927		
150	234.143	212	234.848		
151	234.143	213	234.848		
152	234.3	214	234.77		
153	234.378	215	234.848		
154	234.456	216	234.613		
155	234.535	217	234.378		
156	234.613	218	234.3		
157	234.613	219	234.221		
158	234.692	220	234.064		
159	234.692	221	234.456		
160	234.77	222	234.77		
161	234.692	223	234.692		
162	234.77	224	234.77		
163	234.692	225	234.927		
164	234.613	226	234.848		
165	234.535	227	234.848		
166	234.3	228	234.613		
167	234.221	229	234.3		
168	234.221	230	234.064		
169	234.378	231	234.143		
170	234.378	232	233.908		
171	234.613	233	233.908		
172	234.848	234	233.751		
173	234.927	235	233.751		
174	235.084	236	233.594		
175	235.005	237	233.829		
176	235.084	238	233.829		
177	235.397	239	233.751		
178	235.397	240	234.064		
179	235.162	241	233.986		
180	235.24	242	233.908		
181	235.162	243	233.986		
182	235.084	244	233.986		
183	235.084	245	233.908		
184	234.848	246	233.594		
185	234.927	247	233.751		
186	234.927	248	233.359		
187	234.848	249	233.123		
188	234.77	250	232.81		
189	234.692	251	232.653		
190	234.848	252	232.653		
191	234.77	253	233.045		
192	235.005	254	233.28		
193	234.927	255	233.751		
194	235.005	256	233.986		



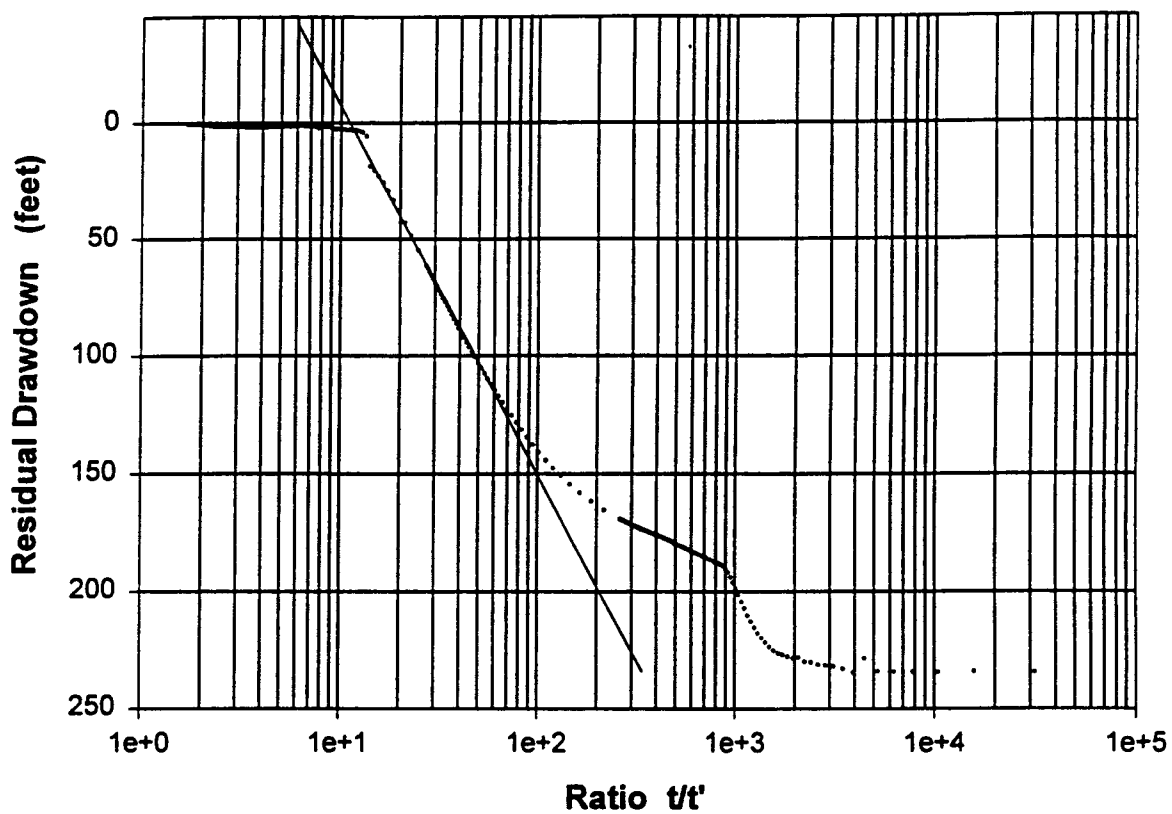
**BCNRWWTP  
IW 5  
1633 - 1647  
RECOVERY DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	234.143	0.7	174.904	9.8	62.79	71	1.497
0.0083	234.3	0.7166	174.511	10	61.452	72	1.576
0.0166	234.143	0.7333	174.197	11	54.838	73	1.576
0.025	234.3	0.75	173.883	12	48.538	74	1.576
0.0333	234.221	0.7666	173.491	13	42.947	75	1.576
0.0416	234.221	0.7833	173.255	14	37.827	76	1.655
0.05	234.064	0.8	172.862	15	33.179	77	1.655
0.0583	228.419	0.8166	172.548	16	29.24	78	1.655
0.0666	234.535	0.8333	172.234	17	25.852	79	1.655
0.075	232.967	0.85	171.842	18	23.015	80	1.655
0.0833	231.79	0.8666	171.606	19	20.415	81	1.734
0.0916	231.477	0.8833	171.213	20	18.602	82	1.734
0.1	231.163	0.9	170.899	21	5.597	83	1.734
0.1083	230.065	0.9166	170.585	22	4.02	84	1.734
0.1166	229.909	0.9333	170.271	23	3.39	85	1.734
0.125	228.183	0.95	169.957	24	3.074	86	1.734
0.1333	228.34	0.9666	169.564	25	2.995	87	1.813
0.1416	227.713	0.9833	169.329	26	2.917	88	1.734
0.15	226.85	1	169.015	27	2.838	89	1.734
0.1583	226.38	1.2	165.167	28	2.759	90	1.734
0.1666	225.203	1.4	161.554	29	2.68	91	1.734
0.175	223.635	1.6	157.941	30	2.601	92	1.734
0.1833	221.674	1.8	154.406	31	2.601	93	1.734
0.1916	219.87	2	151.028	32	2.68	94	1.734
0.2	217.909	2.2	147.728	33	1.734	95	1.734
0.2083	215.556	2.4	144.35	34	1.576	96	1.734
0.2166	212.811	2.6	140.971	35	1.497	97	1.734
0.225	210.222	2.8	137.749	36	1.497	98	1.734
0.2333	207.162	3	134.605	37	1.419	99	1.734
0.2416	204.338	3.2	131.462	38	1.34	100	1.734
0.25	201.513	3.4	128.396	39	2.286	101	1.734
0.2583	198.688	3.6	125.488	40	1.734	102	1.734
0.2666	196.098	3.8	122.579	41	1.419	103	1.734
0.275	193.822	4	119.749	42	1.34	104	1.734
0.2833	191.782	4.2	117.154	43	1.261	105	1.655
0.2916	190.212	4.4	114.638	44	1.261	106	1.655
0.3	189.113	4.6	112.201	45	1.261	107	1.655
0.3083	188.407	4.8	109.763	46	1.182	108	1.734
0.3166	187.857	5	107.404	47	1.182	109	1.655
0.325	187.543	5.2	105.044	48	1.103	110	1.655
0.3333	187.072	5.4	102.842	49	1.103	111	1.655
0.35	186.366	5.6	100.561	50	1.103	112	1.655
0.3666	185.581	5.8	98.438	51	1.103	113	1.655
0.3833	184.874	6	96.314	52	1.103	114	1.655
0.4	184.168	6.2	94.268	53	1.182	115	1.655
0.4166	183.54	6.4	92.223	54	1.182	116	1.655
0.4333	182.755	6.6	90.256	55	1.261	117	1.655
0.45	182.127	6.8	88.289	56	1.34	118	1.655
0.4666	181.499	7	86.322	57	1.34	119	1.655
0.4833	180.871	7.2	84.355	58	1.419	120	1.576
0.5	180.321	7.4	82.545	59	1.419	121	1.576
0.5166	179.693	7.6	80.657	60	1.34	122	1.576
0.5333	179.222	7.8	78.847	61	1.34	123	1.576
0.55	178.516	8	77.037	62	1.34	124	1.576
0.5666	178.044	8.2	75.305	63	1.34	125	1.576
0.5833	177.652	8.4	73.653	64	1.419	126	1.497
0.6	177.181	8.6	72	65	1.419	127	1.497
0.6166	176.71	8.8	70.347	66	1.419	128	1.497
0.6333	176.239	9	68.773	67	1.419	129	1.497
0.65	175.925	9.2	67.198	68	1.419	130	1.497
0.6666	175.611	9.4	65.703	69	1.419	131	1.497
0.6833	175.218	9.6	64.207	70	1.497	132	1.497

**BCNRWWTP  
IW 5  
1633 - 1647  
RECOVERY DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
133	1.419	195	1.34	257	0.473	319	0.315
134	1.419	196	1.34	258	0.394	320	0.315
135	1.419	197	1.34	259	0.394	321	0.236
136	1.419	198	1.34	260	0.394	322	0.315
137	1.419	199	1.34	261	0.394	323	0.315
138	1.419	200	1.34	262	0.394	324	0.315
139	1.34	201	1.261	263	0.394	325	0.315
140	1.34	202	1.34	264	0.394	326	0.315
141	1.34	203	1.261	265	0.394	327	0.315
142	1.34	204	1.34	266	0.394	328	0.315
143	1.34	205	1.34	267	0.394	329	0.315
144	1.34	206	1.261	268	0.394	330	0.315
145	1.261	207	1.261	269	0.394	331	0.315
146	1.261	208	1.261	270	0.394	332	0.315
147	1.261	209	1.261	271	0.394	333	0.315
148	1.261	210	1.261	272	0.394	334	0.315
149	1.261	211	1.261	273	0.394	335	0.315
150	1.261	212	1.182	274	0.394	336	0.315
151	1.34	213	1.182	275	0.394	337	0.315
152	1.34	214	1.182	276	0.394	338	0.315
153	1.34	215	1.182	277	0.394	339	0.315
154	1.34	216	1.103	278	0.394	340	0.236
155	1.34	217	1.103	279	0.394	341	0.315
156	1.34	218	1.103	280	0.394	342	0.236
157	1.34	219	1.024	281	0.394	343	0.315
158	1.34	220	1.024	282	0.394	344	0.315
159	1.34	221	1.024	283	0.394	345	0.315
160	1.34	222	0.946	284	0.394	346	0.315
161	1.34	223	0.867	285	0.394	347	0.315
162	1.261	224	0.867	286	0.394	348	0.236
163	1.34	225	0.788	287	0.394	349	0.315
164	1.34	226	0.788	288	0.394	350	0.315
165	1.34	227	0.788	289	0.315	351	0.315
166	1.34	228	0.709	290	0.315	352	0.315
167	1.34	229	0.709	291	0.315	353	0.236
168	1.34	230	0.63	292	0.315	354	0.236
169	1.34	231	0.63	293	0.315	355	0.236
170	1.34	232	0.63	294	0.315	356	0.236
171	1.34	233	0.63	295	0.315	357	0.236
172	1.34	234	0.63	296	0.315	358	0.236
173	1.34	235	0.63	297	0.315	359	0.236
174	1.34	236	0.63	298	0.315	360	0.236
175	1.34	237	0.63	299	0.315	361	0.315
176	1.34	238	0.63	300	0.315	362	0.315
177	1.34	239	0.551	301	0.315	363	0.315
178	1.34	240	0.551	302	0.315	364	0.315
179	1.261	241	0.551	303	0.315	365	0.315
180	1.34	242	0.551	304	0.315	366	0.315
181	1.34	243	0.551	305	0.315	367	0.315
182	1.34	244	0.551	306	0.315	368	0.315
183	1.34	245	0.551	307	0.315	369	0.315
184	1.34	246	0.551	308	0.315	370	0.315
185	1.34	247	0.551	309	0.315	371	0.315
186	1.34	248	0.551	310	0.315	372	0.315
187	1.34	249	0.473	311	0.315	373	0.315
188	1.34	250	0.473	312	0.315	374	0.315
189	1.34	251	0.473	313	0.315	375	0.315
190	1.34	252	0.473	314	0.315	376	0.315
191	1.34	253	0.473	315	0.315	377	0.315
192	1.34	254	0.473	316	0.315	378	0.315
193	1.34	255	0.473	317	0.315	379	0.315
194	1.34	256	0.473	318	0.315	380	0.315

**BCNRWWTP  
IW 5  
1633 - 1647  
RESIDUAL DRAWDOWN vs  $t/t'$**



# **IW5 Straddle Packer Test**

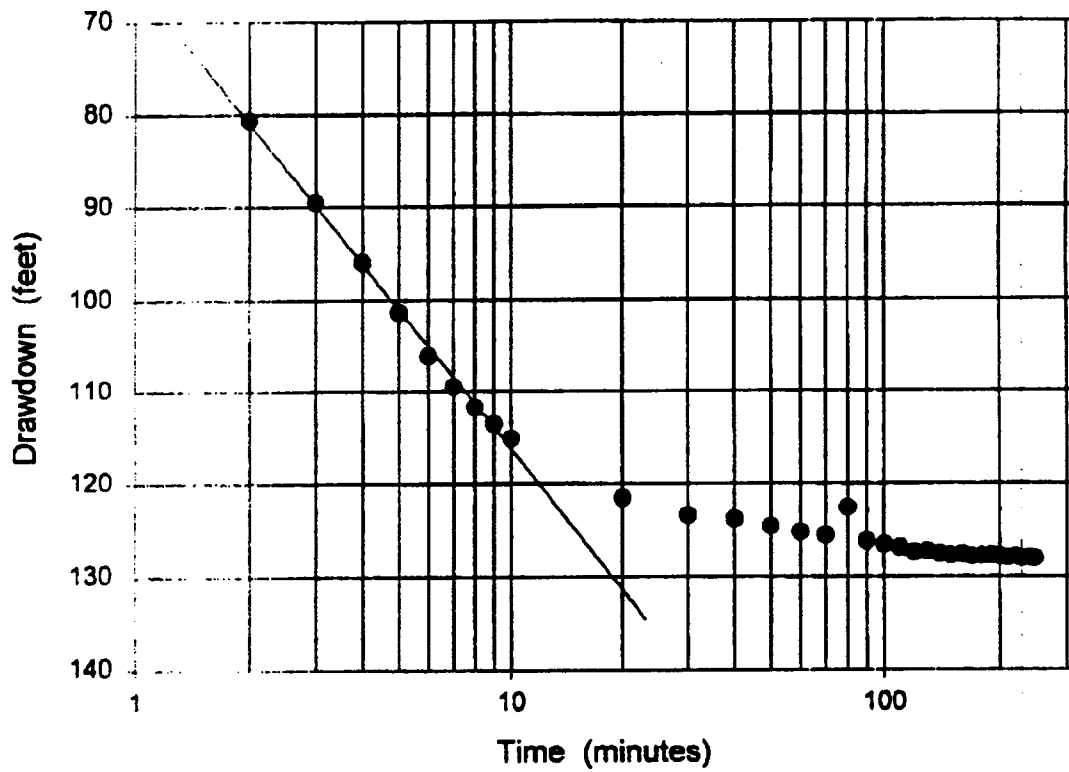
**1633 - 1683**

**BCNRWWTP**

**IW 5**

**1633 - 1683**

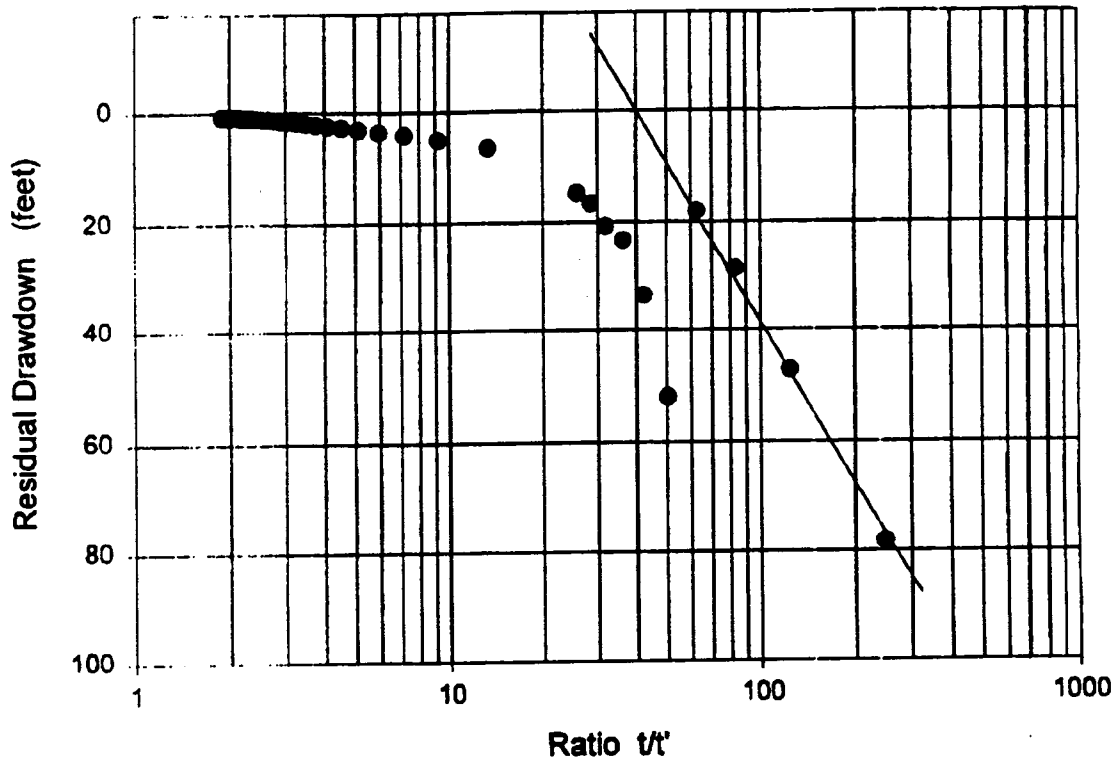
**DRAWDOWN**



**Cooper - Jacob Non Equilibrium Analysis**

**BCNRWWTP  
IW 5  
1633 - 1683**

**RESIDUAL DRAWDOWN vs  $t/t'$**



# **IW5 Straddle Packer Test**

**1737 - 1751**

BCNRWWTP  
IW 5  
1737 - 1751  
BACKGROUND DATA

# 3

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	0	0.7	0	9.8	0	71	0
0.0083	0	0.7166	0	10	0	72	0
0.0166	0	0.7333	0	11	0	73	0
0.025	0	0.75	0	12	0	74	0
0.0333	0	0.7666	0	13	0.078	75	0
0.0416	0	0.7833	0	14	0	76	0
0.05	0	0.8	0	15	0	77	0
0.0583	0	0.8166	0	16	0.078	78	0
0.0666	0	0.8333	0	17	0	79	0
0.075	0	0.85	0	18	0	80	0
0.0833	0	0.8666	0	19	0	81	0
0.0916	0	0.8833	0	20	0	82	0
0.1	0	0.9	0	21	0	83	0
0.1083	0	0.9166	0	22	0	84	0
0.1166	0	0.9333	0	23	0.078	85	0
0.125	0	0.95	0	24	0	86	0
0.1333	0	0.9666	0	25	0	87	0
0.1416	0	0.9833	0	26	0	88	0
0.15	0	1	0	27	0	89	0
0.1583	0	1.2	-0.078	28	0	90	0
0.1666	0	1.4	-0.078	29	0	91	0
0.175	0	1.6	0	30	0	92	0
0.1833	0	1.8	0	31	0	93	0
0.1916	0	2	0	32	0	94	0
0.2	0	2.2	0	33	0	95	0
0.2083	0	2.4	0	34	0	96	0
0.2166	0	2.6	0	35	0	97	0
0.225	0	2.8	0	36	0	98	0
0.2333	0	3	0	37	0	99	0
0.2416	0	3.2	0	38	0	100	0
0.25	0	3.4	0	39	0	101	0
0.2583	0	3.6	0	40	0	102	0
0.2666	0	3.8	0	41	0	103	0
0.275	0	4	0	42	0.078	104	0
0.2833	-0.078	4.2	0	43	0	105	0
0.2916	0	4.4	0	44	0	106	0
0.3	0	4.6	0	45	0	107	0
0.3083	0	4.8	0	46	0	108	0
0.3166	0	5	0	47	0	109	0
0.325	0	5.2	0	48	0	110	0
0.3333	0	5.4	0	49	0	111	0
0.35	0	5.6	0	50	0	112	0
0.3666	0	5.8	0	51	0	113	0
0.3833	0	6	0	52	0	114	0
0.4	0	6.2	0	53	0	115	0
0.4166	0	6.4	0	54	0	116	0
0.4333	0	6.6	0	55	0	117	0
0.45	0	6.8	0	56	0	118	0
0.4666	0	7	0	57	0	119	0
0.4833	0	7.2	0	58	0	120	0
0.5	0	7.4	0	59	0		
0.5166	0	7.6	0	60	0		
0.5333	0	7.8	0	61	0		
0.55	0	8	0	62	0		
0.5666	0	8.2	0	63	0		
0.5833	0	8.4	0	64	0		
0.6	0	8.6	0	65	0		
0.6166	0	8.8	0	66	0		
0.6333	0	9	0	67	0		
0.65	0	9.2	0	68	0		
0.6666	0	9.4	0	69	0		
0.6833	0	9.6	0	70	0		



**BCNRWWTP  
IW 5  
1737 - 1751  
DRAWDOWN DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	-0.078	0.7	39.22	9.8	112.76	71	154.154
0.0083	-0.078	0.7166	39.614	10	113.782	72	154.232
0.0166	-0.078	0.7333	39.929	11	118.811	73	154.232
0.025	-0.078	0.75	40.323	12	123.604	74	154.311
0.0333	-0.078	0.7666	40.716	13	127.846	75	154.311
0.0416	-0.078	0.7833	41.11	14	131.302	76	154.311
0.05	-0.078	0.8	41.346	15	134.444	77	154.232
0.0583	-0.078	0.8166	41.739	16	137.036	78	154.311
0.0666	8.981	0.8333	42.133	17	139.235	79	154.232
0.075	2.678	0.85	42.448	18	141.12	80	154.154
0.0833	3.624	0.8666	42.841	19	142.847	81	154.232
0.0916	7.248	0.8833	43.235	20	144.182	82	154.311
0.1	9.848	0.9	43.55	21	145.517	83	154.311
0.1083	11.423	0.9166	43.786	22	146.459	84	154.389
0.1166	12.447	0.9333	44.18	23	147.48	85	154.311
0.125	13.786	0.95	44.494	24	148.265	86	154.311
0.1333	14.81	0.9666	44.809	25	148.972	87	154.311
0.1416	15.755	0.9833	45.203	26	149.522	88	154.311
0.15	16.622	1	45.518	27	150.071	89	154.311
0.1583	17.567	1.2	49.374	28	150.542	90	154.232
0.1666	18.354	1.4	52.837	29	151.013	91	154.232
0.175	19.063	1.6	27.253	30	151.249	92	154.311
0.1833	19.772	1.8	30.875	31	151.484	93	154.311
0.1916	20.402	2	34.339	32	151.877	94	154.311
0.2	21.111	2.2	37.567	33	152.113	95	154.311
0.2083	21.662	2.4	40.795	34	152.348	96	154.311
0.2166	22.213	2.6	43.865	35	152.505	97	154.311
0.225	22.765	2.8	46.934	36	152.662	98	154.232
0.2333	23.237	3	49.846	37	152.819	99	154.389
0.2416	23.788	3.2	52.601	38	152.898	100	154.389
0.25	24.261	3.4	55.355	39	153.133	101	154.311
0.2583	24.733	3.6	58.188	40	153.212	102	154.389
0.2666	25.127	3.8	60.942	41	153.29	103	154.389
0.275	25.521	4	63.617	42	153.447	104	154.389
0.2833	25.993	4.2	66.213	43	153.447	105	154.389
0.2916	26.387	4.4	68.73	44	153.526	106	154.468
0.3	26.781	4.6	71.09	45	153.604	107	154.389
0.3083	27.174	4.8	73.45	46	153.683	108	154.389
0.3166	27.489	5	75.731	47	153.84	109	154.389
0.325	27.962	5.2	77.933	48	153.84	110	154.468
0.3333	28.277	5.4	80.135	49	153.84	111	154.389
0.35	28.907	5.6	82.259	50	153.84	112	154.389
0.3666	29.615	5.8	84.303	51	153.918	113	154.468
0.3833	30.167	6	86.191	52	153.918	114	154.468
0.4	30.797	6.2	87.92	53	153.997	115	154.468
0.4166	31.348	6.4	89.65	54	154.075	116	154.389
0.4333	31.899	6.6	91.301	55	154.154	117	154.468
0.45	32.45	6.8	92.953	56	154.075	118	154.468
0.4666	33.001	7	94.525	57	154.154	119	154.468
0.4833	33.473	7.2	96.097	58	154.154	120	154.468
0.5	34.025	7.4	97.591	59	154.154	121	154.389
0.5166	34.497	7.6	99.006	60	154.154	122	154.468
0.5333	34.969	7.8	100.421	61	154.154	123	154.468
0.55	35.363	8	101.836	62	154.154	124	154.546
0.5666	35.835	8.2	103.172	63	154.154	125	154.546
0.5833	36.308	8.4	104.508	64	154.232	126	154.546
0.6	36.701	8.6	105.766	65	154.232	127	154.546
0.6166	37.174	8.8	106.945	66	154.154	128	154.625
0.6333	37.567	9	108.202	67	154.154	129	154.625
0.65	37.961	9.2	109.302	68	154.154	130	154.625
0.6666	38.355	9.4	110.481	69	154.232	131	154.546
0.6833	38.827	9.6	111.66	70	154.232	132	154.625

**BCNRWWTP  
IW 5  
1737 - 1751  
DRAWDOWN DATA**

Time	Water Level	Time	Water Level
133	154.703	195	155.488
134	154.703	196	155.41
135	154.703	197	155.488
136	154.625	198	155.41
137	154.625	199	155.41
138	154.546	200	155.488
139	154.625	201	155.41
140	154.625	202	155.488
141	154.468	203	155.488
142	154.546	204	155.488
143	154.546	205	155.488
144	154.468	206	155.41
145	154.546	207	155.488
146	154.546	208	155.488
147	154.468	209	155.488
148	154.468	210	155.488
149	154.468	211	155.41
150	154.468	212	155.488
151	154.468	213	155.488
152	154.546	214	155.567
153	154.546	215	155.567
154	154.703	216	155.567
155	154.782	217	155.567
156	154.782	218	155.567
157	154.782	219	155.488
158	154.939	220	155.645
159	154.939	221	155.567
160	155.017	222	155.488
161	155.174	223	155.567
162	155.253	224	155.645
163	155.331	225	155.567
164	155.331	226	155.645
165	155.331	227	155.567
166	155.331	228	155.567
167	155.41	229	155.488
168	155.41	230	155.567
169	155.41	231	155.567
170	155.331	232	155.567
171	155.41	233	155.567
172	155.41	234	155.567
173	155.331	235	155.488
174	155.41	236	155.488
175	155.41	237	155.567
176	155.41	238	155.488
177	155.41	239	155.41
178	155.41	240	155.331
179	155.41	241	155.174
180	155.331	242	155.017
181	155.41	243	154.939
182	155.488	244	154.86
183	155.41	245	154.86
184	155.488	246	154.703
185	155.41	247	154.546
186	155.488	248	154.625
187	155.488		
188	155.488		
189	155.567		
190	155.41		
191	155.488		
192	155.567		
193	155.41		
194	155.567		

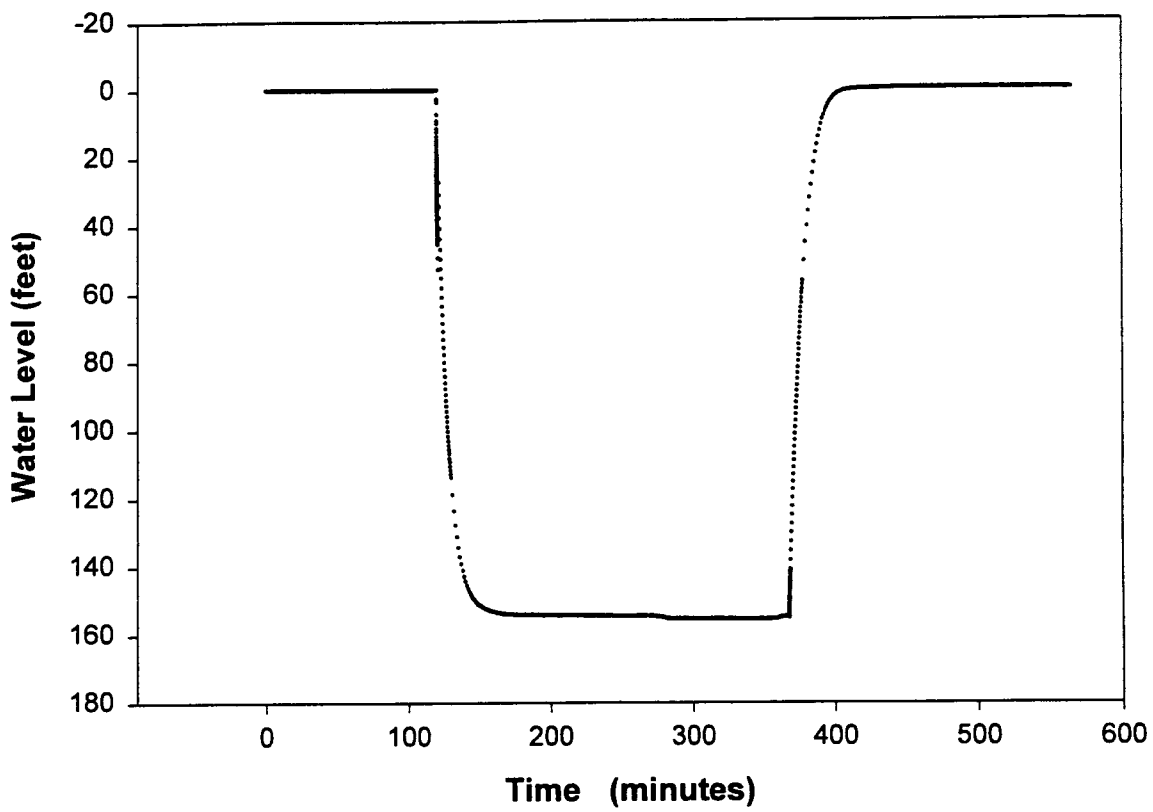
**BCNRWWTP  
IW 5  
1737 - 1751  
RECOVERY DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	154.546	0.7	145.203	9.8	57.716	71	0
0.0083	154.546	0.7166	144.968	10	56.535	72	0
0.0166	154.546	0.7333	144.732	11	50.712	73	0
0.025	154.546	0.75	144.496	12	45.36	74	0
0.0333	149.914	0.7666	144.261	13	40.48	75	0
0.0416	155.096	0.7833	144.025	14	36.15	76	0
0.05	152.348	0.8	143.79	15	32.292	77	0
0.0583	155.017	0.8166	143.554	16	28.592	78	0
0.0666	154.86	0.8333	143.397	17	25.127	79	0
0.075	153.29	0.85	143.083	18	21.977	80	0
0.0833	153.918	0.8666	142.926	19	19.142	81	0
0.0916	153.369	0.8833	142.612	20	16.7	82	0
0.1	154.075	0.9	142.455	21	14.416	83	0
0.1083	153.447	0.9166	142.219	22	12.526	84	0
0.1166	152.819	0.9333	141.983	23	10.793	85	0
0.125	153.212	0.95	141.748	24	9.217	86	0
0.1333	153.212	0.9666	141.512	25	7.957	87	0
0.1416	152.976	0.9833	141.277	26	6.775	88	0
0.15	152.662	1	141.041	27	5.83	89	0
0.1583	152.662	1.2	138.292	28	4.963	90	0
0.1666	152.662	1.4	135.544	29	4.175	91	0
0.175	152.505	1.6	132.873	30	3.545	92	0
0.1833	152.27	1.8	130.281	31	2.994	93	0
0.1916	152.191	2	127.689	32	2.521	94	0
0.2	152.191	2.2	125.096	33	2.127	95	0
0.2083	152.034	2.4	122.582	34	1.812	96	0
0.2166	151.799	2.6	120.068	35	1.497	97	0
0.225	151.72	2.8	117.632	36	1.26	98	0
0.2333	151.642	3	115.354	37	1.103	99	0
0.2416	151.563	3.2	113.31	38	0.945	100	0
0.25	151.406	3.4	111.267	39	0.787	101	0
0.2583	151.249	3.6	109.224	40	0.709	102	0
0.2666	151.17	3.8	107.259	41	0.63	103	0
0.275	151.013	4	105.294	42	0.551	104	0
0.2833	150.935	4.2	103.329	43	0.472	105	0
0.2916	150.778	4.4	101.443	44	0.393	106	0
0.3	150.699	4.6	99.556	45	0.315	107	0
0.3083	150.542	4.8	97.67	46	0.315	108	0
0.3166	150.464	5	95.783	47	0.315	109	0
0.325	150.307	5.2	94.053	48	0.236	110	0
0.3333	150.228	5.4	92.324	49	0.236	111	0
0.35	149.993	5.6	90.594	50	0.157	112	0
0.3666	149.757	5.8	88.864	51	0.157	113	0
0.3833	149.522	6	87.213	52	0.157	114	0
0.4	149.286	6.2	85.483	53	0.157	115	0
0.4166	149.051	6.4	83.753	54	0.157	116	0
0.4333	148.815	6.6	81.944	55	0.078	117	0.078
0.45	148.579	6.8	80.214	56	0.157	118	0
0.4666	148.344	7	78.562	57	0.078	119	0
0.4833	148.108	7.2	76.832	58	0.078	120	0
0.5	147.951	7.4	75.259	59	0.157	121	0
0.5166	147.716	7.6	73.607	60	0.078	122	0.078
0.5333	147.48	7.8	72.034	61	0.078	123	0
0.55	147.245	8	70.461	62	0.078	124	0
0.5666	147.009	8.2	68.966	63	0.078	125	0
0.5833	146.774	8.4	67.472	64	0.078	126	0.078
0.6	146.538	8.6	65.977	65	0	127	0.078
0.6166	146.302	8.8	64.561	66	0	128	0.078
0.6333	146.145	9	63.145	67	0.078	129	0
0.65	145.91	9.2	61.729	68	0	130	0
0.6666	145.674	9.4	60.312	69	0	131	0
0.6833	145.439	9.6	58.975	70	0	132	0

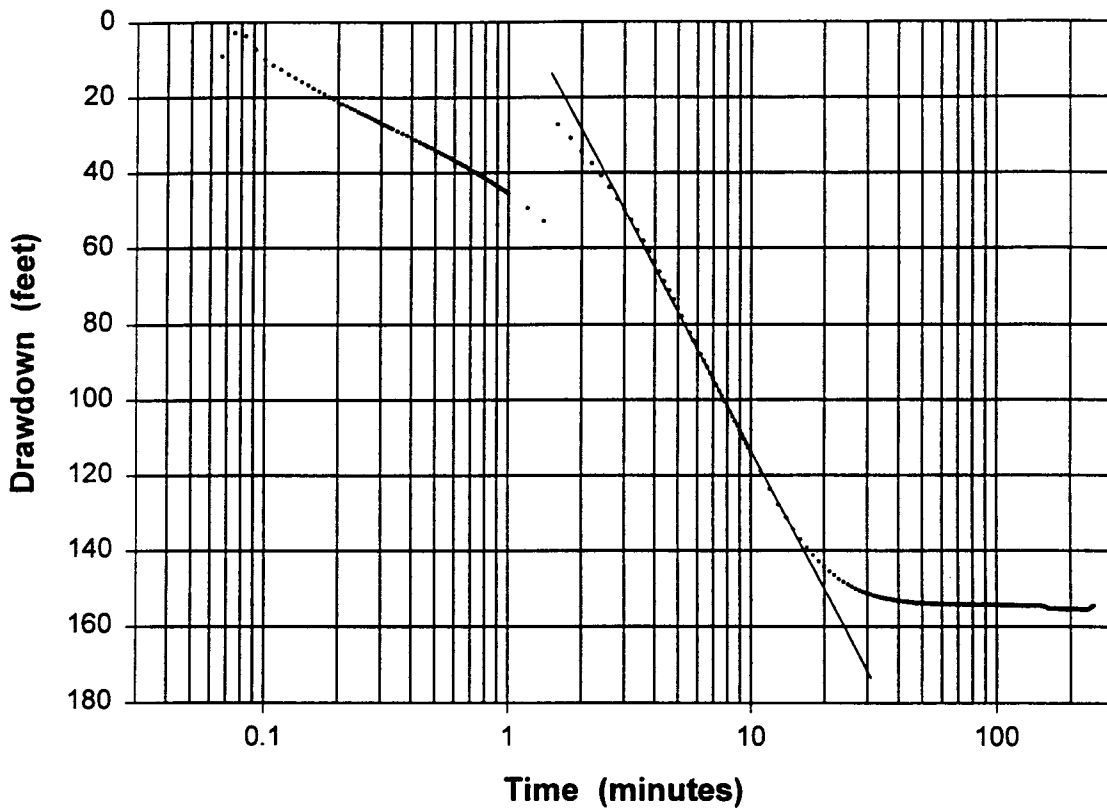
BCNRWWTP  
IW 5  
1737 - 1751  
RECOVERY DATA

Time	Water Level	Time	Water Level
133	0	195	0.078
134	0	196	0.078
135	0	197	0.157
136	0		
137	0		
138	0		
139	0		
140	0		
141	0.078		
142	0.078		
143	0.078		
144	0.078		
145	0.078		
146	0.078		
147	0		
148	0		
149	0		
150	0.078		
151	0.078		
152	0.078		
153	0.078		
154	0.078		
155	0.078		
156	0.078		
157	0.078		
158	0.078		
159	0.078		
160	0.078		
161	0.078		
162	0.078		
163	0.078		
164	0.078		
165	0.078		
166	0.078		
167	0.078		
168	0.078		
169	0.078		
170	0.078		
171	0.078		
172	0.078		
173	0.078		
174	0.078		
175	0.078		
176	0.157		
177	0.157		
178	0.078		
179	0.078		
180	0.078		
181	0.078		
182	0.078		
183	0.078		
184	0.078		
185	0.078		
186	0.078		
187	0.078		
188	0.078		
189	0.078		
190	0.078		
191	0.078		
192	0.157		
193	0.078		
194	0.078		

BCNRWWTP  
IW 5  
1737 - 1751  
BACKGROUND, DRAWDOWN AND RECOVERY DATA

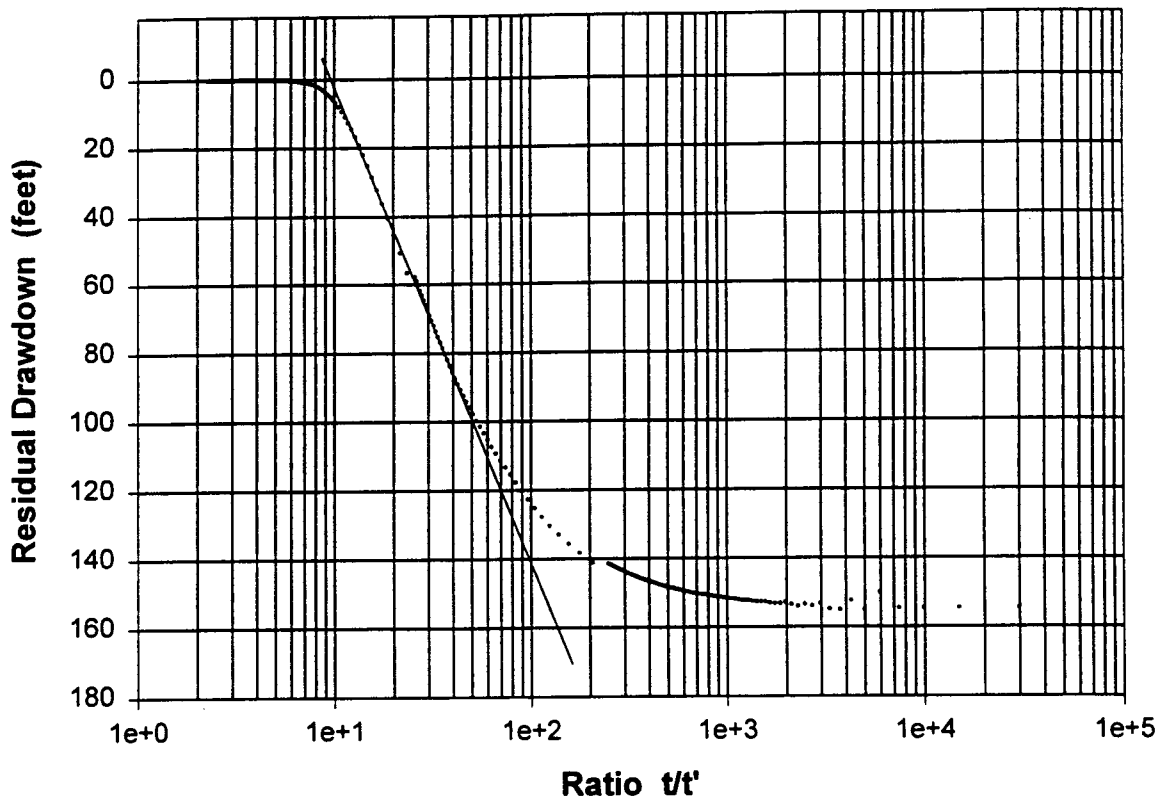


**BCNRWWTP  
IW 5  
1737 -1751  
DRAWDOWN**



Cooper - Jacob Non-Equilibrium Analysis

**BCNRWWTP  
IW 5  
1737 - 1751  
RESIDUAL DRAWDOWN vs  $t/t'$**



# **IW5 Straddle Packer Test**

**1793 - 1807**



**BCNRWWTP  
IW 5  
1793 - 1807  
BACKGROUND DATA**

# 2

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	0	0.7	-1.261	9.8	-1.182	71	-0.866
0.0083	0.078	0.7166	-1.261	10	-1.182	72	-0.866
0.0166	0.078	0.7333	-1.261	11	-1.182	73	-0.866
0.025	0	0.75	-1.261	12	-1.182	74	-0.866
0.0333	-0.078	0.7666	-1.261	13	-1.182	75	-0.788
0.0416	-0.078	0.7833	-1.261	14	-1.182	76	-0.788
0.05	-0.157	0.8	-1.261	15	-1.182	77	-0.788
0.0583	-0.236	0.8166	-1.261	16	-1.182	78	-0.788
0.0666	-0.236	0.8333	-1.261	17	-1.182	79	-0.709
0.075	-0.236	0.85	-1.261	18	-1.182	80	-0.709
0.0833	-0.315	0.8666	-1.261	19	-1.182	81	-0.709
0.0916	-0.472	0.8833	-1.261	20	-1.182	82	-0.709
0.1	-0.709	0.9	-1.261	21	-1.182	83	-0.709
0.1083	-0.788	0.9166	-1.261	22	-1.182	84	-0.709
0.1166	-0.788	0.9333	-1.261	23	-1.182	85	-0.709
0.125	-0.788	0.95	-1.261	24	-1.182	86	-0.709
0.1333	-0.866	0.9666	-1.261	25	-1.182	87	-0.709
0.1416	-0.866	0.9833	-1.261	26	-1.103	88	-0.63
0.15	-0.945	1	-1.261	27	-1.103	89	-0.63
0.1583	-0.945	1.2	-1.339	28	-1.103	90	-0.63
0.1666	-1.103	1.4	-1.339	29	-1.103	91	-0.63
0.175	-1.182	1.6	-1.339	30	-1.103	92	-0.63
0.1833	-1.182	1.8	-1.261	31	-1.103	93	-0.63
0.1916	-1.182	2	-1.261	32	-1.103	94	-0.551
0.2	-1.182	2.2	-1.339	33	-1.103	95	-0.551
0.2083	-1.261	2.4	-1.261	34	-1.103	96	-0.551
0.2166	-1.261	2.6	-1.261	35	-1.103	97	-0.551
0.225	-1.261	2.8	-1.261	36	-1.103	98	-0.551
0.2333	-1.261	3	-1.261	37	-1.103	99	-0.551
0.2416	-1.261	3.2	-1.261	38	-1.103	100	-0.551
0.25	-1.261	3.4	-1.261	39	-1.103	101	-0.551
0.2583	-1.339	3.6	-1.261	40	-1.103	102	-0.551
0.2666	-1.261	3.8	-1.261	41	-1.024	103	-0.472
0.275	-1.339	4	-1.261	42	-1.024	104	-0.472
0.2833	-1.339	4.2	-1.261	43	-1.024	105	-0.472
0.2916	-1.339	4.4	-1.261	44	-1.024	106	-0.472
0.3	-1.339	4.6	-1.261	45	-1.024	107	-0.472
0.3083	-1.339	4.8	-1.261	46	-1.024	108	-0.472
0.3166	-1.339	5	-1.261	47	-1.024	109	-0.472
0.325	-1.339	5.2	-1.261	48	-1.024	110	-0.472
0.3333	-1.339	5.4	-1.261	49	-1.024	111	-0.472
0.35	-1.339	5.6	-1.261	50	-1.024	112	-0.472
0.3666	-1.339	5.8	-1.182	51	-1.024	113	-0.472
0.3833	-1.339	6	-1.261	52	-1.024	114	-0.394
0.4	-1.261	6.2	-1.261	53	-1.024	115	-0.394
0.4166	-1.261	6.4	-1.261	54	-0.945	116	-0.394
0.4333	-1.261	6.6	-1.182	55	-0.945	117	-0.394
0.45	-1.339	6.8	-1.261	56	-0.945	118	-0.394
0.4666	-1.261	7	-1.182	57	-0.945	119	-0.394
0.4833	-1.261	7.2	-1.261	58	-0.945	120	-0.394
0.5	-1.261	7.4	-1.261	59	-0.945	121	-0.394
0.5166	-1.261	7.6	-1.182	60	-0.945	122	-0.394
0.5333	-1.261	7.8	-1.261	61	-0.945	123	-0.394
0.55	-1.261	8	-1.182	62	-0.945	124	-0.315
0.5666	-1.339	8.2	-1.261	63	-0.945	125	-0.315
0.5833	-1.261	8.4	-1.182	64	-0.866	126	-0.315
0.6	-1.261	8.6	-1.182	65	-0.945	127	-0.315
0.6166	-1.261	8.8	-1.182	66	-0.866	128	-0.315
0.6333	-1.261	9	-1.182	67	-0.866	129	-0.315
0.65	-1.261	9.2	-1.182	68	-0.866	130	-0.315
0.6666	-1.261	9.4	-1.182	69	-0.866	131	-0.315
0.6833	-1.261	9.6	-1.182	70	-0.866	132	-0.315

BCNRWWTP  
IW 5  
1793 - 1807  
BACKGROUND DATA

Time	Water Level
133	-0.315
134	-0.236
135	-0.315
136	-0.236
137	-0.315
138	-0.236
139	-0.236
140	-0.236
141	-0.236
142	-0.236
143	-0.236
144	-0.236
145	-0.236
146	-0.236
147	-0.236
148	-0.236
149	-0.236
150	-0.236
151	-0.236
152	-0.236
153	-0.236
154	-0.157
155	-0.236
156	-0.157
157	-0.157
158	-0.157
159	-0.157
160	-0.157
161	-0.236
162	-0.078
163	-0.236
164	-0.236
165	-0.236
166	-0.236
167	-0.157
168	-0.157
169	-0.236
170	-0.157
171	-0.157
172	-0.157
173	-0.157
174	-0.157
175	-0.157
176	-0.157
177	-0.157
178	-0.157
179	-0.157
180	-0.078
181	-0.157
182	-0.078
183	-0.078
184	-0.078
185	-0.078
186	-0.078
187	-0.078
188	-0.078
189	-0.078

**BCNRWWTP  
IW 5  
1793 - 1807  
DRAWDOWN DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	-0.078	0.7	44.663	9.8	114.281	71	178.449
0.0083	-0.078	0.7166	44.741	10	115.696	72	178.449
0.0166	-0.157	0.7333	44.82	11	121.905	73	178.449
0.025	-0.157	0.75	45.056	12	127.641	74	178.527
0.0333	-0.157	0.7666	45.214	13	132.748	75	178.606
0.0416	-0.157	0.7833	45.371	14	137.226	76	178.606
0.05	-0.078	0.8	45.607	15	141.39	77	178.763
0.0583	13.868	0.8166	45.686	16	145.003	78	178.763
0.0666	29.544	0.8333	45.922	17	148.38	79	178.841
0.075	32.458	0.85	46.08	18	151.129	80	178.684
0.0833	36.631	0.8666	46.237	19	153.485	81	178.841
0.0916	37.104	0.8833	46.473	20	155.762	82	178.92
0.1	39.939	0.9	46.631	21	157.882	83	178.92
0.1083	38.758	0.9166	46.71	22	159.688	84	178.92
0.1166	39.387	0.9333	46.946	23	161.258	85	178.92
0.125	40.254	0.95	47.103	24	162.828	86	178.92
0.1333	40.49	0.9666	47.261	25	164.241	87	178.92
0.1416	40.569	0.9833	47.418	26	165.498	88	178.998
0.15	40.883	1	47.576	27	166.597	89	179.077
0.1583	41.435	1.2	49.622	28	167.696	90	178.92
0.1666	41.277	1.4	51.748	29	168.559	91	178.998
0.175	41.592	1.6	53.637	30	169.266	92	179.077
0.1833	41.907	1.8	55.762	31	169.972	93	179.077
0.1916	42.065	2	57.887	32	170.757	94	179.077
0.2	42.143	2.2	59.933	33	171.385	95	179.155
0.2083	42.301	2.4	61.98	34	171.935	96	179.077
0.2166	42.301	2.6	64.026	35	172.484	97	179.077
0.225	42.143	2.8	56.47	36	172.955	98	179.155
0.2333	41.907	3	47.339	37	173.426	99	179.234
0.2416	41.828	3.2	50.095	38	173.818	100	179.234
0.25	41.828	3.4	52.928	39	174.289	101	179.234
0.2583	41.671	3.6	55.526	40	174.446	102	179.155
0.2666	41.592	3.8	58.045	41	174.839	103	179.234
0.275	41.435	4	60.406	42	175.153	104	179.234
0.2833	41.435	4.2	62.767	43	175.545	105	179.312
0.2916	41.435	4.4	65.206	44	175.781	106	179.391
0.3	41.435	4.6	67.409	45	176.016	107	179.391
0.3083	41.435	4.8	69.613	46	176.173	108	179.391
0.3166	41.513	5	71.816	47	176.408	109	179.391
0.325	41.435	5.2	74.097	48	176.565	110	179.312
0.3333	41.513	5.4	76.064	49	176.644	111	179.469
0.35	41.592	5.6	78.11	50	176.801	112	179.391
0.3666	41.671	5.8	80.076	51	176.958	113	179.469
0.3833	41.828	6	82.043	52	177.115	114	179.469
0.4	41.907	6.2	83.931	53	177.272	115	179.548
0.4166	42.065	6.4	85.818	54	177.35	116	179.469
0.4333	42.222	6.6	87.706	55	177.507	117	179.548
0.45	42.379	6.8	89.358	56	177.507	118	179.548
0.4666	42.537	7	91.402	57	177.664	119	179.626
0.4833	42.694	7.2	93.211	58	177.664	120	179.469
0.5	42.852	7.4	95.098	59	177.821	121	179.469
0.5166	42.931	7.6	96.907	60	177.743	122	179.548
0.5333	43.088	7.8	98.558	61	177.821	123	179.626
0.55	43.246	8	100.288	62	177.9	124	179.548
0.5666	43.403	8.2	102.175	63	178.057	125	179.626
0.5833	43.56	8.4	103.669	64	178.135	126	179.548
0.6	43.639	8.6	105.32	65	178.135	127	179.626
0.6166	43.797	8.8	106.892	66	178.213	128	179.626
0.6333	44.033	9	108.464	67	178.292	129	179.626
0.65	44.19	9.2	109.958	68	178.292	130	179.548
0.6666	44.269	9.4	111.373	69	178.37	131	179.548
0.6833	44.584	9.6	112.866	70	178.292	132	179.705

BCNRWWTP  
IW 5  
1793 - 1807  
DRAWDOWN DATA

Time	Water Level	Time	Water Level
133	179.705	195	180.332
134	179.705	196	180.332
135	179.783	197	180.411
136	179.783	198	180.411
137	179.783	199	180.332
138	179.862	200	180.411
139	179.783	201	180.332
140	179.705	202	180.332
141	179.862	203	180.332
142	179.94	204	180.332
143	179.862	205	180.332
144	179.94	206	180.411
145	179.94	207	180.411
146	180.019	208	180.489
147	179.94	209	180.411
148	180.019	210	180.332
149	180.019	211	180.411
150	179.94	212	180.411
151	179.94	213	180.411
152	180.019	214	180.411
153	180.097	215	180.332
154	180.097	216	180.411
155	180.019	217	180.411
156	180.175	218	180.332
157	180.175	219	180.411
158	180.175	220	180.332
159	180.175	221	180.332
160	180.097	222	180.411
161	180.019	223	180.411
162	180.175	224	180.489
163	180.175	225	180.411
164	180.097	226	180.411
165	180.175	227	180.489
166	180.175	228	180.411
167	180.175	229	180.489
168	180.175	230	180.411
169	180.254	231	180.411
170	180.175	232	180.411
171	180.097	233	180.411
172	180.175	234	180.411
173	180.254	235	180.332
174	180.254	236	180.411
175	180.254	237	180.411
176	180.254	238	180.332
177	180.332	239	180.411
178	180.332	240	180.332
179	180.175		
180	180.254		
181	180.254		
182	180.175		
183	180.175		
184	180.175		
185	180.254		
186	180.254		
187	180.254		
188	180.254		
189	180.332		
190	180.254		
191	180.175		
192	180.332		
193	180.411		
194	180.332		

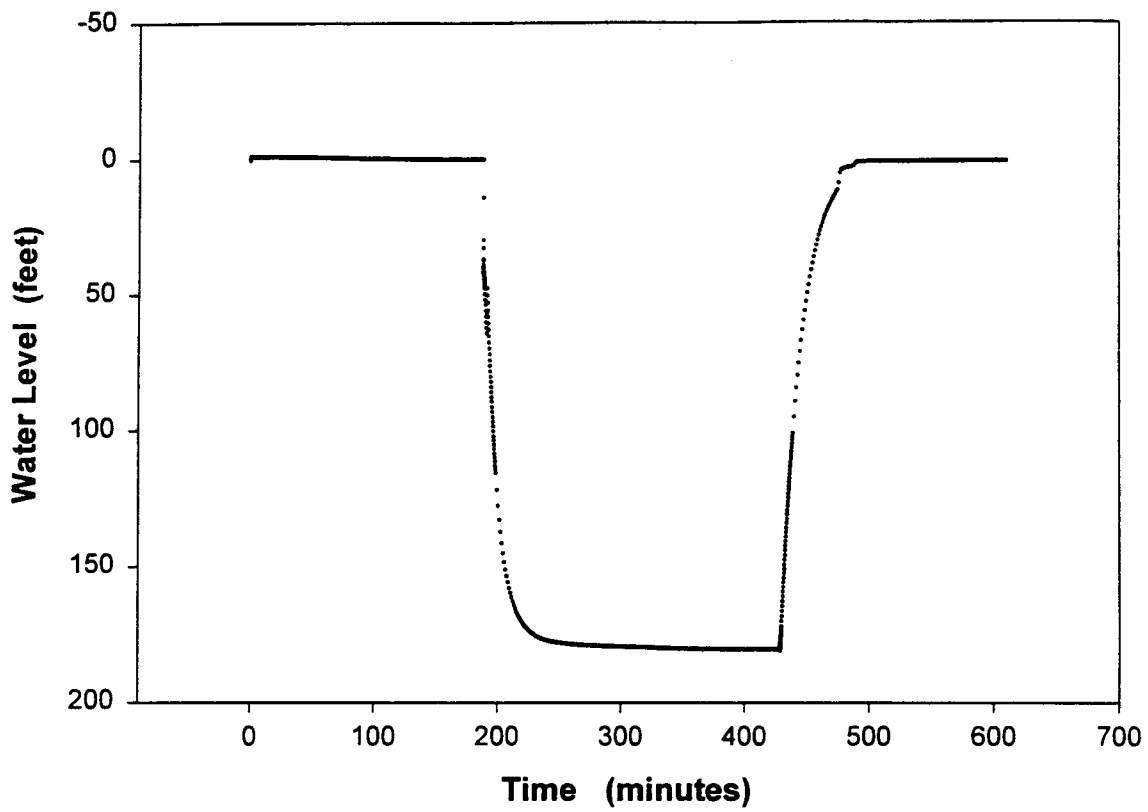
**BCNRWWTP  
 IW 5  
 1793 -1807  
 RECOVERY DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	180.411	0.7	174.76	9.8	102.411	71	1.103
0.0083	180.254	0.7166	174.603	10	101.153	72	1.103
0.0166	180.332	0.7333	174.446	11	95.02	73	1.103
0.025	180.411	0.75	174.289	12	89.279	74	1.103
0.0333	180.254	0.7666	174.132	13	84.324	75	1.103
0.0416	180.332	0.7833	173.975	14	79.604	76	1.024
0.05	180.254	0.8	173.818	15	75.12	77	1.103
0.0583	180.254	0.8166	173.661	16	70.793	78	1.024
0.0666	180.332	0.8333	173.504	17	66.78	79	1.024
0.075	180.332	0.85	173.347	18	62.924	80	1.024
0.0833	180.332	0.8666	173.19	19	59.383	81	1.024
0.0916	180.254	0.8833	173.033	20	55.92	82	1.024
0.1	180.332	0.9	172.876	21	52.535	83	1.024
0.1083	180.254	0.9166	172.719	22	49.386	84	1.024
0.1166	180.332	0.9333	172.562	23	46.395	85	1.024
0.125	181.039	0.95	172.405	24	43.56	86	1.024
0.1333	179.705	0.9666	172.248	25	40.883	87	1.024
0.1416	179.626	0.9833	172.091	26	38.443	88	1.024
0.15	178.213	1	171.935	27	36.08	89	1.024
0.1583	178.684	1.2	170.051	28	33.875	90	1.024
0.1666	180.568	1.4	168.245	29	31.907	91	1.024
0.175	179.94	1.6	166.361	30	30.016	92	1.024
0.1833	179.783	1.8	164.556	31	28.205	93	1.024
0.1916	179.626	2	162.828	32	26.551	94	1.024
0.2	179.312	2.2	161.023	33	25.133	95	1.024
0.2083	179.469	2.4	159.295	34	23.637	96	1.024
0.2166	179.391	2.6	157.646	35	22.376	97	1.024
0.225	179.234	2.8	155.919	36	21.037	98	0.945
0.2333	179.155	3	154.27	37	19.856	99	1.024
0.2416	179.077	3.2	152.621	38	18.753	100	0.945
0.25	178.998	3.4	150.972	39	17.65	101	0.945
0.2583	178.998	3.6	149.322	40	16.704	102	1.024
0.2666	178.92	3.8	147.516	41	15.759	103	1.024
0.275	178.841	4	145.788	42	14.814	104	1.024
0.2833	178.684	4.2	144.06	43	13.868	105	1.024
0.2916	178.606	4.4	142.332	44	13.002	106	1.024
0.3	178.527	4.6	140.604	45	12.214	107	0.945
0.3083	178.449	4.8	138.954	46	11.505	108	1.024
0.3166	178.37	5	137.305	47	8.904	109	0.945
0.325	178.292	5.2	135.655	48	5.358	110	0.945
0.3333	178.213	5.4	134.005	49	4.334	111	0.945
0.35	178.057	5.6	132.434	50	3.94	112	0.945
0.3666	177.9	5.8	130.863	51	3.704	113	0.945
0.3833	177.743	6	129.291	52	3.546	114	1.024
0.4	177.664	6.2	127.72	53	3.388	115	0.945
0.4166	177.429	6.4	126.227	54	3.231	116	0.945
0.4333	177.272	6.6	124.734	55	3.152	117	0.945
0.45	177.115	6.8	123.241	56	3.073	118	0.945
0.4666	176.958	7	121.748	57	2.994	119	0.945
0.4833	176.801	7.2	120.412	58	2.915	120	0.945
0.5	176.644	7.4	118.997	59	2.758	121	0.945
0.5166	176.487	7.6	117.504	60	1.891	122	0.945
0.5333	176.33	7.8	116.089	61	1.418	123	0.945
0.55	176.173	8	114.674	62	1.339	124	0.945
0.5666	176.016	8.2	113.259	63	1.26	125	0.945
0.5833	175.859	8.4	111.844	64	1.182	126	0.945
0.6	175.702	8.6	110.43	65	1.26	127	0.945
0.6166	175.545	8.8	109.093	66	1.182	128	0.945
0.6333	175.388	9	107.757	67	1.182	129	0.945
0.65	175.231	9.2	106.342	68	1.182	130	0.945
0.6666	175.074	9.4	105.005	69	1.182	131	0.945
0.6833	174.917	9.6	103.669	70	1.103	132	0.945

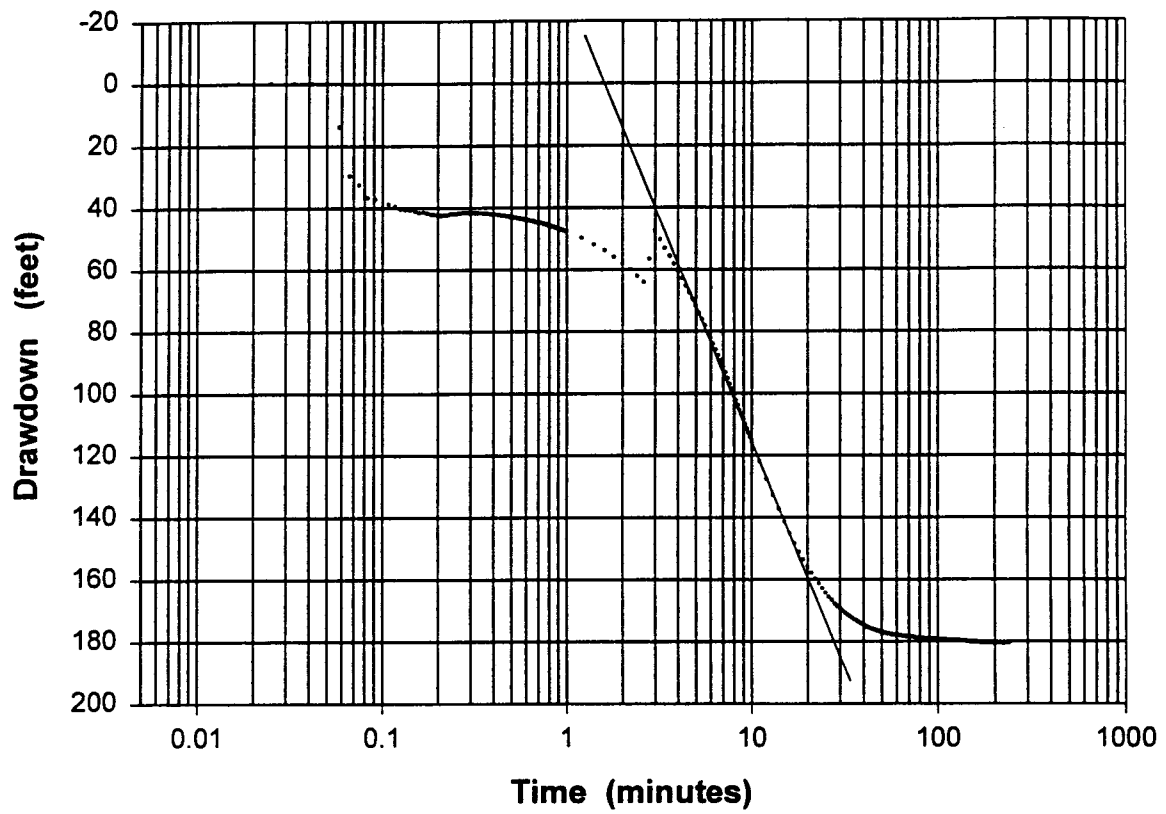
**BCNRWWTP  
IW 5  
1793 -1807  
RECOVERY DATA**

<b>Time</b>	<b>Water Level</b>
133	0.945
134	0.945
135	0.945
136	0.945
137	0.945
138	0.945
139	0.945
140	0.945
141	0.945
142	0.945
143	0.945
144	0.945
145	0.945
146	0.945
147	0.945
148	0.945
149	0.945
150	0.945
151	0.945
152	0.945
153	0.945
154	0.945
155	0.945
156	0.945
157	0.945
158	0.945
159	0.945
160	0.945
161	0.945
162	0.945
163	0.945
164	0.945
165	0.945
166	0.945
167	0.945
168	0.945
169	0.945
170	0.945
171	0.945
172	0.945
173	0.945
174	0.945
175	0.945
176	0.945
177	0.945
178	0.945
179	0.945
180	0.945
181	0.945

**BCNRWWTP  
IW 5  
1793 - 1807  
BACKGROUND, DRAWDOWN AND RECOVERY DATA**

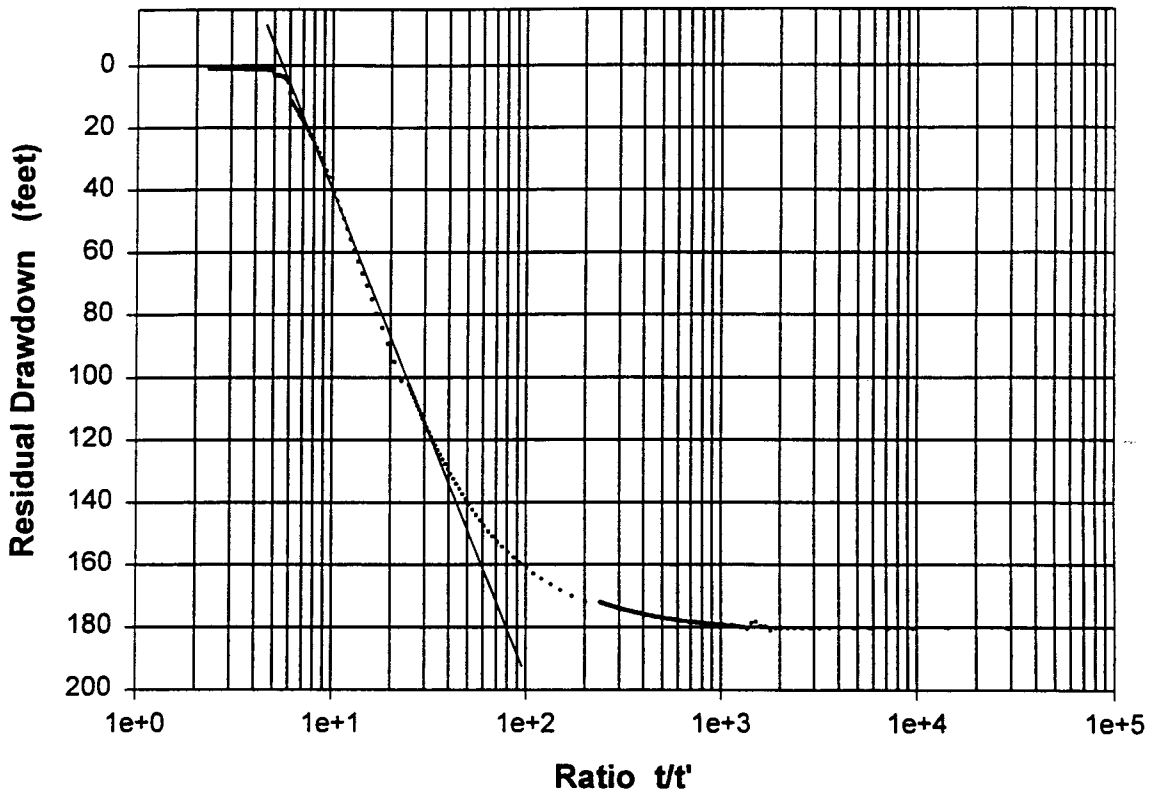


**BCNRWWTP  
IW 5  
1793 - 1807  
DRAWDOWN**





BCNRWWTP  
IW 5  
1793 - 1807  
RESIDUAL DRAWDOWN vs  $t/t'$



# **IW5 Straddle Packer Test**

**1863 - 1877**

**BCNRWWTP  
IW 5  
1863 - 1877  
BACKGROUND DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	0	0.7	-0.078	9.8	-0.078	71	-0.078
0.0083	-0.078	0.7166	-0.078	10	-0.078	72	-0.078
0.0166	-0.078	0.7333	-0.078	11	0	73	-0.078
0.025	-0.078	0.75	-0.078	12	0	74	-0.078
0.0333	0	0.7666	0	13	0	75	-0.078
0.0416	-0.078	0.7833	-0.078	14	0	76	-0.078
0.05	0	0.8	-0.078	15	-0.078	77	-0.078
0.0583	-0.078	0.8166	0	16	-0.078	78	-0.078
0.0666	-0.078	0.8333	-0.078	17	-0.078	79	-0.078
0.075	-0.078	0.85	-0.078	18	-0.078	80	-0.078
0.0833	-0.078	0.8666	-0.078	19	-0.078	81	-0.078
0.0916	-0.078	0.8833	-0.078	20	-0.078	82	-0.078
0.1	-0.078	0.9	-0.078	21	-0.078	83	-0.078
0.1083	-0.078	0.9166	-0.078	22	-0.078	84	-0.078
0.1166	-0.078	0.9333	0	23	0	85	-0.078
0.125	-0.078	0.95	-0.078	24	-0.078	86	-0.078
0.1333	-0.078	0.9666	-0.078	25	-0.078	87	-0.078
0.1416	-0.078	0.9833	-0.078	26	-0.078	88	-0.078
0.15	-0.078	1	-0.078	27	-0.078	89	-0.078
0.1583	-0.078	1.2	0	28	-0.078	90	-0.078
0.1666	-0.078	1.4	-0.078	29	-0.078	91	-0.078
0.175	-0.078	1.6	-0.078	30	-0.078	92	0
0.1833	-0.078	1.8	0	31	-0.078	93	-0.078
0.1916	-0.078	2	-0.078	32	-0.078	94	0
0.2	-0.078	2.2	-0.078	33	-0.078	95	-0.078
0.2083	-0.078	2.4	-0.078	34	-0.078	96	-0.078
0.2166	-0.078	2.6	-0.078	35	-0.078	97	-0.078
0.225	-0.078	2.8	-0.078	36	-0.078	98	-0.078
0.2333	-0.078	3	-0.078	37	-0.078	99	0
0.2416	-0.078	3.2	0	38	-0.078	100	-0.078
0.25	-0.078	3.4	-0.078	39	-0.078	101	-0.078
0.2583	-0.078	3.6	-0.078	40	-0.078	102	-0.078
0.2666	-0.078	3.8	0	41	-0.078	103	-0.078
0.275	-0.078	4	-0.078	42	-0.078	104	-0.078
0.2833	-0.078	4.2	-0.078	43	-0.078	105	-0.078
0.2916	-0.078	4.4	-0.078	44	-0.078	106	-0.078
0.3	-0.078	4.6	-0.078	45	-0.078	107	-0.078
0.3083	-0.078	4.8	-0.078	46	-0.078	108	-0.078
0.3166	-0.078	5	0	47	-0.078	109	0
0.325	-0.078	5.2	-0.078	48	-0.078	110	-0.078
0.3333	-0.078	5.4	-0.078	49	-0.078	111	-0.078
0.35	-0.078	5.6	-0.078	50	-0.078	112	-0.078
0.3666	-0.078	5.8	-0.078	51	-0.078	113	0
0.3833	-0.078	6	-0.078	52	-0.078	114	-0.078
0.4	-0.078	6.2	-0.078	53	-0.078	115	0
0.4166	-0.078	6.4	-0.078	54	-0.078	116	0
0.4333	-0.078	6.6	-0.078	55	-0.078	117	0
0.45	-0.078	6.8	-0.078	56	-0.078	118	0
0.4666	-0.078	7	-0.078	57	-0.078	119	0
0.4833	-0.078	7.2	-0.078	58	-0.078	120	0
0.5	-0.078	7.4	-0.078	59	-0.078	121	-0.078
0.5166	-0.078	7.6	-0.078	60	-0.078	122	0
0.5333	-0.078	7.8	-0.078	61	-0.078	123	0
0.55	0	8	-0.078	62	-0.078	124	-0.078
0.5666	-0.078	8.2	-0.078	63	-0.078	125	0
0.5833	-0.078	8.4	-0.078	64	-0.078	126	0
0.6	-0.078	8.6	-0.078	65	-0.078	127	-0.078
0.6166	-0.078	8.8	-0.078	66	-0.078	128	0
0.6333	-0.078	9	-0.078	67	-0.078	129	0
0.65	0	9.2	-0.078	68	-0.078	130	0
0.6666	-0.078	9.4	-0.078	69	-0.078	131	0
0.6833	-0.078	9.6	-0.078	70	-0.078	132	0

**BCNRWWTP  
IW 5  
1863 - 1877  
DRAWDOWN DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	0	0.7	26.62	9.8	174.774	71	198.776
0.0083	-0.078	0.7166	27.25	10	175.794	72	198.932
0.0166	-0.078	0.7333	27.958	11	179.717	73	198.932
0.025	-0.078	0.75	28.667	12	183.561	74	198.932
0.0333	0	0.7666	29.297	13	186.541	75	198.932
0.0416	-0.078	0.7833	30.005	14	188.502	76	198.932
0.05	-0.078	0.8	30.714	15	190.384	77	199.011
0.0583	-0.078	0.8166	31.344	16	191.796	78	199.011
0.0666	-0.078	0.8333	31.895	17	193.129	79	199.089
0.075	-0.078	0.85	32.603	18	194.07	80	198.854
0.0833	-0.078	0.8666	33.233	19	194.619	81	198.932
0.0916	-0.078	0.8833	33.863	20	195.404	82	199.089
0.1	-0.078	0.9	34.571	21	195.717	83	198.932
0.1083	-0.078	0.9166	35.122	22	196.188	84	199.089
0.1166	-0.078	0.9333	35.831	23	196.737	85	199.089
0.125	-0.078	0.95	36.461	24	196.815	86	199.011
0.1333	4.805	0.9666	37.09	25	197.129	87	198.932
0.1416	2.836	0.9833	37.72	26	197.443	88	199.011
0.15	1.418	1	38.35	27	197.443	89	199.011
0.1583	1.969	1.2	45.984	28	197.756	90	199.089
0.1666	2.048	1.4	52.909	29	197.756	91	199.011
0.175	2.442	1.6	59.833	30	197.835	92	199.168
0.1833	2.836	1.8	66.126	31	197.835	93	199.246
0.1916	3.23	2	72.104	32	198.148	94	199.168
0.2	3.938	2.2	77.766	33	198.148	95	199.168
0.2083	4.254	2.4	83.271	34	198.07	96	199.168
0.2166	4.569	2.6	88.381	35	198.148	97	199.168
0.225	5.041	2.8	93.177	36	198.148	98	199.168
0.2333	5.356	3	97.736	37	198.305	99	199.246
0.2416	5.908	3.2	102.137	38	198.384	100	199.168
0.25	6.302	3.4	106.303	39	198.305	101	199.089
0.2583	6.696	3.6	110.232	40	198.305	102	199.168
0.2666	7.089	3.8	113.925	41	198.54	103	199.246
0.275	7.483	4	117.696	42	198.462	104	199.324
0.2833	7.877	4.2	121.074	43	198.619	105	199.403
0.2916	8.35	4.4	124.295	44	198.697	106	199.324
0.3	8.744	4.6	127.437	45	198.462	107	199.403
0.3083	9.137	4.8	130.343	46	198.54	108	199.403
0.3166	9.452	5	133.092	47	198.619	109	199.403
0.325	9.925	5.2	135.841	48	198.619	110	199.481
0.3333	10.319	5.4	138.432	49	198.697	111	199.403
0.35	11.107	5.6	140.866	50	198.697	112	199.403
0.3666	11.894	5.8	143.143	51	198.697	113	199.481
0.3833	12.761	6	145.42	52	198.776	114	199.56
0.4	13.469	6.2	147.54	53	198.697	115	199.403
0.4166	14.336	6.4	149.581	54	198.776	116	199.481
0.4333	14.966	6.6	151.622	55	198.697	117	199.481
0.45	15.832	6.8	153.663	56	198.697	118	199.481
0.4666	16.541	7	155.547	57	198.854	119	199.56
0.4833	17.328	7.2	157.353	58	198.854	120	199.481
0.5	18.116	7.4	159.001	59	198.854	121	199.246
0.5166	18.825	7.6	160.728	60	198.854	122	199.403
0.5333	19.533	7.8	162.376	61	198.854	123	199.638
0.55	20.321	8	163.867	62	198.932	124	199.481
0.5666	21.029	8.2	165.358	63	198.854	125	199.638
0.5833	21.817	8.4	166.692	64	198.854	126	199.56
0.6	22.526	8.6	168.105	65	198.932	127	199.56
0.6166	23.234	8.8	169.282	66	198.854	128	199.638
0.6333	24.022	9	170.537	67	198.932	129	199.56
0.65	24.573	9.2	171.636	68	198.854	130	199.481
0.6666	25.281	9.4	172.734	69	198.854	131	199.324
0.6833	25.99	9.6	173.833	70	199.011	132	199.403

**BCNRWWTP  
 IW 5  
 1863 - 1877  
 DRAWDOWN DATA**

Time	Water Level	Time	Water Level
133	199.481	195	199.795
134	199.481	196	199.717
135	199.403	197	199.717
136	199.324	198	199.795
137	199.324	199	199.795
138	199.246	200	199.795
139	199.246	201	199.717
140	199.246	202	199.795
141	199.324	203	199.873
142	199.089	204	199.873
143	199.089	205	199.873
144	199.089	206	199.873
145	199.168	207	199.952
146	199.168	208	199.952
147	199.324	209	199.952
148	199.324	210	199.952
149	199.324	211	199.873
150	199.246	212	199.873
151	199.324	213	199.873
152	199.403	214	199.873
153	199.481	215	199.873
154	199.481	216	199.873
155	199.56	217	199.873
156	199.56	218	199.952
157	199.481	219	199.795
158	199.481	220	199.795
159	199.638	221	199.873
160	199.56	222	200.03
161	199.638	223	199.952
162	199.481	224	199.952
163	199.56	225	199.952
164	199.56	226	199.952
165	199.638	227	199.952
166	199.717	228	200.03
167	199.638	229	199.873
168	199.638	230	199.952
169	199.638	231	200.03
170	199.481	232	200.03
171	199.638	233	199.952
172	199.717	234	200.109
173	199.717	235	200.109
174	199.717	236	200.109
175	199.795	237	200.03
176	199.795	238	200.109
177	199.795	239	200.03
178	199.795	240	199.873
179	199.795	241	199.638
180	199.638	242	199.56
181	199.717	243	199.403
182	199.717	244	199.56
183	199.795		
184	199.795		
185	199.795		
186	199.795		
187	199.795		
188	199.795		
189	199.795		
190	199.795		
191	199.717		
192	199.717		
193	199.717		
194	199.795		

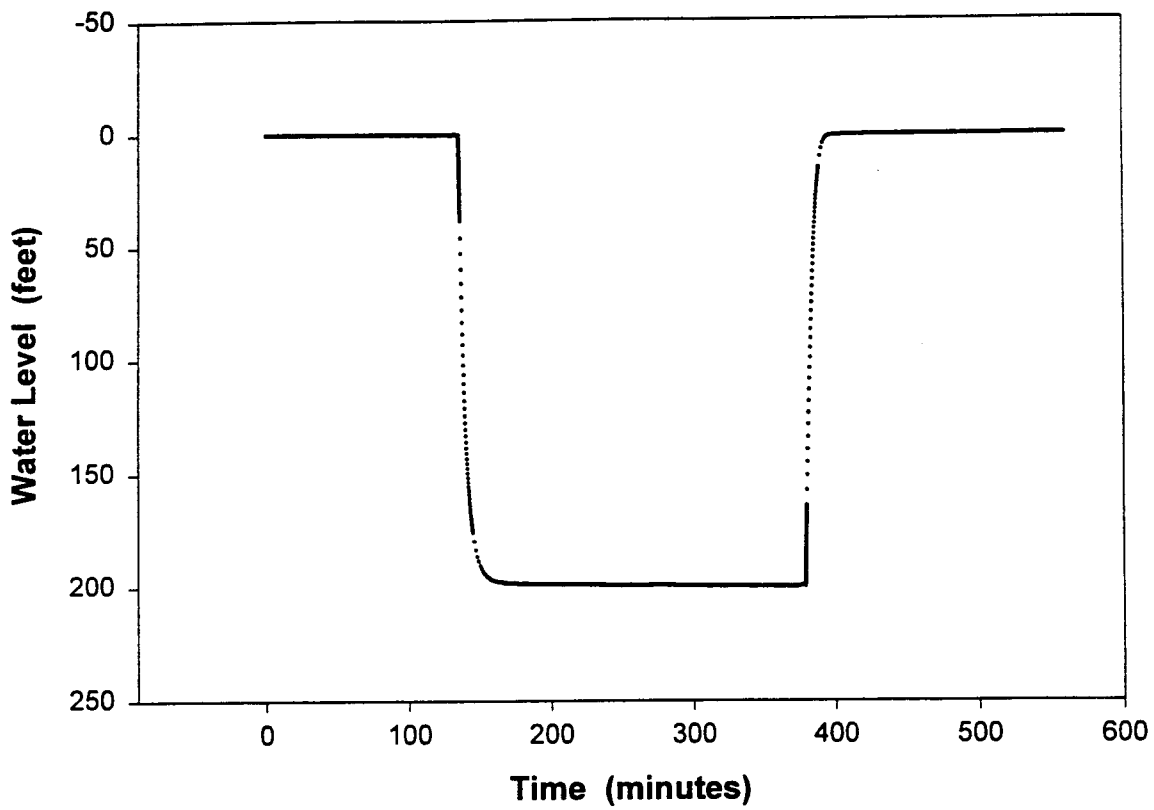
**BCNRWWTP  
IW 5  
1863 - 1877  
RECOVERY DATA**

Time	Water Level	Time	Water Level	Time	Water Level	Time	Water Level
0	199.403	0.7	174.46	9.8	16.383	71	0.63
0.0083	199.481	0.7166	173.911	10	15.281	72	0.63
0.0166	199.481	0.7333	173.283	11	10.398	73	0.63
0.025	199.403	0.75	172.734	12	6.932	74	0.63
0.0333	195.796	0.7666	172.106	13	4.647	75	0.63
0.0416	199.795	0.7833	171.557	14	3.151	76	0.63
0.05	199.011	0.8	171.008	15	2.205	77	0.63
0.0583	198.54	0.8166	170.38	16	1.733	78	0.63
0.0666	198.07	0.8333	169.831	17	1.418	79	0.63
0.075	197.521	0.85	169.282	18	1.26	80	0.63
0.0833	197.364	0.8666	168.654	19	1.181	81	0.63
0.0916	197.129	0.8833	168.105	20	1.102	82	0.63
0.1	196.894	0.9	167.555	21	1.024	83	0.63
0.1083	196.502	0.9166	167.006	22	1.024	84	0.63
0.1166	196.109	0.9333	166.457	23	0.945	85	0.63
0.125	195.717	0.95	165.829	24	0.945	86	0.63
0.1333	195.482	0.9666	165.279	25	0.945	87	0.63
0.1416	195.168	0.9833	164.73	26	0.866	88	0.63
0.15	194.855	1	164.181	27	0.866	89	0.63
0.1583	194.541	1.2	157.353	28	0.866	90	0.63
0.1666	194.149	1.4	150.994	29	0.787	91	0.63
0.175	193.835	1.6	145.106	30	0.787	92	0.551
0.1833	193.522	1.8	139.453	31	0.787	93	0.63
0.1916	193.208	2	134.034	32	0.787	94	0.63
0.2	192.894	2.2	128.615	33	0.787	95	0.63
0.2083	192.502	2.4	123.509	34	0.787	96	0.63
0.2166	192.188	2.6	118.403	35	0.787	97	0.63
0.225	191.875	2.8	113.453	36	0.787	98	0.63
0.2333	191.561	3	108.66	37	0.787	99	0.63
0.2416	191.247	3.2	103.945	38	0.709	100	0.63
0.25	190.933	3.4	99.465	39	0.709	101	0.63
0.2583	190.62	3.6	95.063	40	0.709	102	0.63
0.2666	190.306	3.8	90.897	41	0.709	103	0.63
0.275	189.992	4	86.809	42	0.709	104	0.63
0.2833	189.679	4.2	82.799	43	0.709	105	0.63
0.2916	189.365	4.4	78.946	44	0.709	106	0.63
0.3	189.051	4.6	75.171	45	0.709	107	0.63
0.3083	188.737	4.8	71.632	46	0.709	108	0.63
0.3166	188.424	5	68.171	47	0.709	109	0.63
0.325	188.032	5.2	64.789	48	0.709	110	0.63
0.3333	187.718	5.4	61.563	49	0.709	111	0.63
0.35	187.09	5.6	58.495	50	0.709	112	0.63
0.3666	186.463	5.8	55.269	51	0.709	113	0.551
0.3833	185.914	6	52.437	52	0.63	114	0.551
0.4	185.208	6.2	49.683	53	0.709	115	0.551
0.4166	184.58	6.4	47.086	54	0.709	116	0.551
0.4333	184.031	6.6	44.646	55	0.709	117	0.551
0.45	183.404	6.8	42.206	56	0.709	118	0.551
0.4666	182.698	7	39.924	57	0.709	119	0.551
0.4833	182.07	7.2	37.72	58	0.709	120	0.551
0.5	181.521	7.4	35.595	59	0.63	121	0.551
0.5166	180.893	7.6	33.548	60	0.709	122	0.551
0.5333	180.344	7.8	31.659	61	0.63	123	0.551
0.55	179.638	8	29.769	62	0.709	124	0.551
0.5666	179.089	8.2	27.958	63	0.63	125	0.551
0.5833	178.54	8.4	26.305	64	0.63	126	0.551
0.6	177.912	8.6	24.73	65	0.63	127	0.551
0.6166	177.363	8.8	23.234	66	0.63	128	0.551
0.6333	176.814	9	21.738	67	0.63	129	0.551
0.65	176.186	9.2	20.242	68	0.63	130	0.472
0.6666	175.637	9.4	18.903	69	0.63	131	0.551
0.6833	175.009	9.6	17.565	70	0.63	132	0.551

**BCNRWWTP  
IW 5  
1863 - 1877  
RECOVERY DATA**

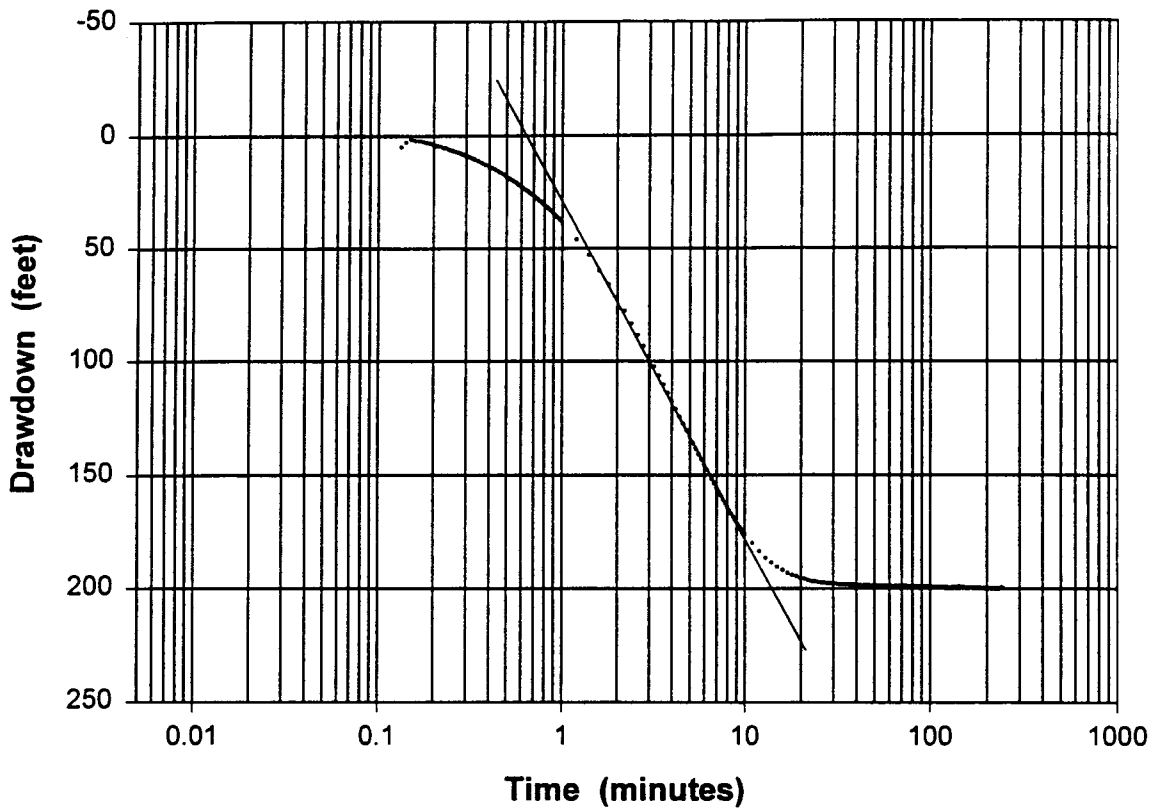
<b>Time</b>	<b>Water Level</b>
133	0.551
134	0.551
135	0.551
136	0.551
137	0.551
138	0.551
139	0.551
140	0.472
141	0.472
142	0.472
143	0.551
144	0.472
145	0.472
146	0.472
147	0.472
148	0.472
149	0.472
150	0.472
151	0.472
152	0.472
153	0.472
154	0.472
155	0.472
156	0.472
157	0.472
158	0.472
159	0.472
160	0.472
161	0.472
162	0.472
163	0.472
164	0.472
165	0.472
166	0.472
167	0.472
168	0.472
169	0.472
170	0.472
171	0.472
172	0.472
173	0.472
174	0.472
175	0.472
176	0.472
177	0.472
178	0.472
179	0.472
180	0.472
181	0.393

**BCNRWWTP  
IW 5  
1863 - 1877  
BACKGROUND, DRAWDOWN AND RECOVERY DATA**

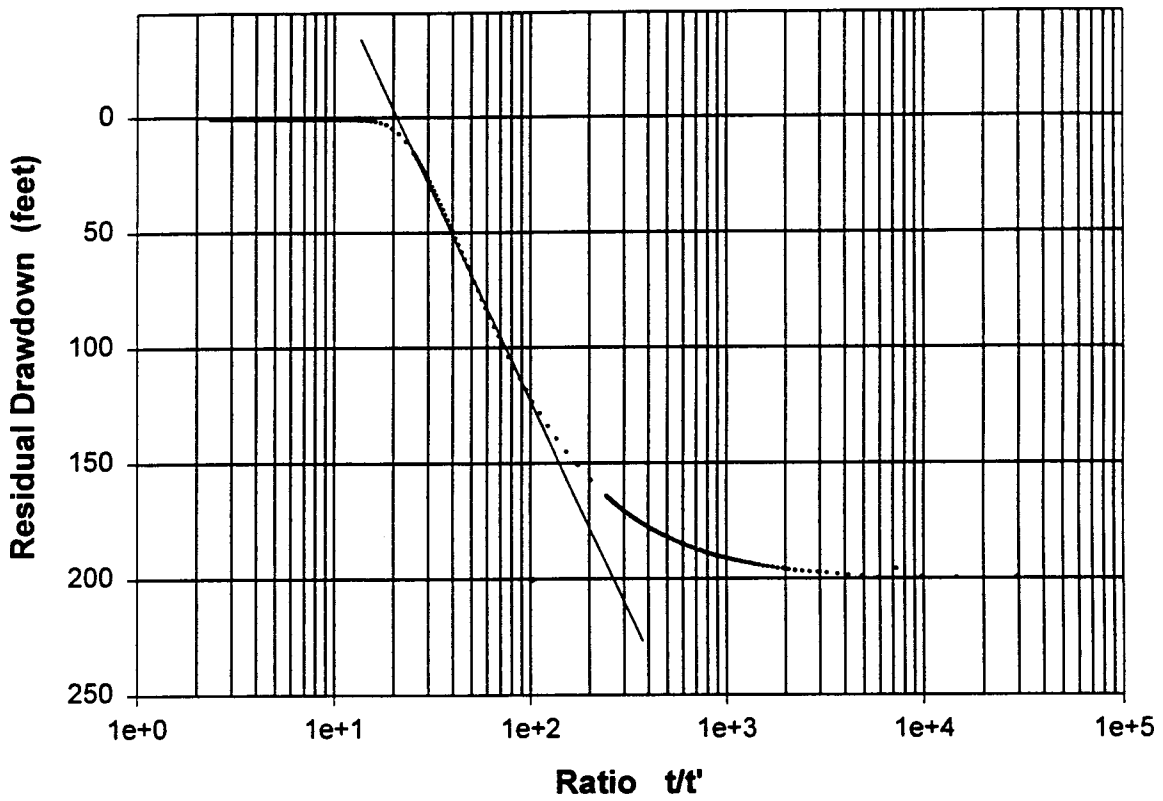




**BCNRWWTP  
IW 5  
1863 - 1877  
DRAWDOWN**



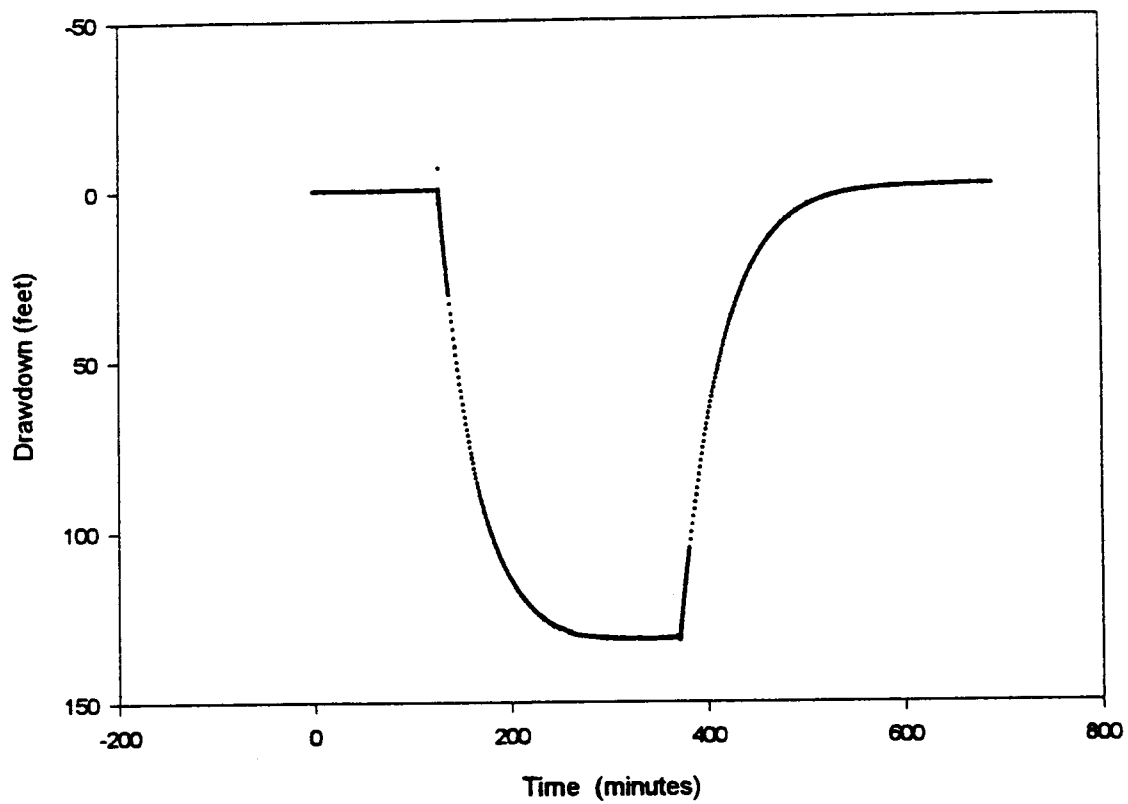
BCNRWWTP  
IW 5  
1863 - 1877  
RESIDUAL DRAWDOWN



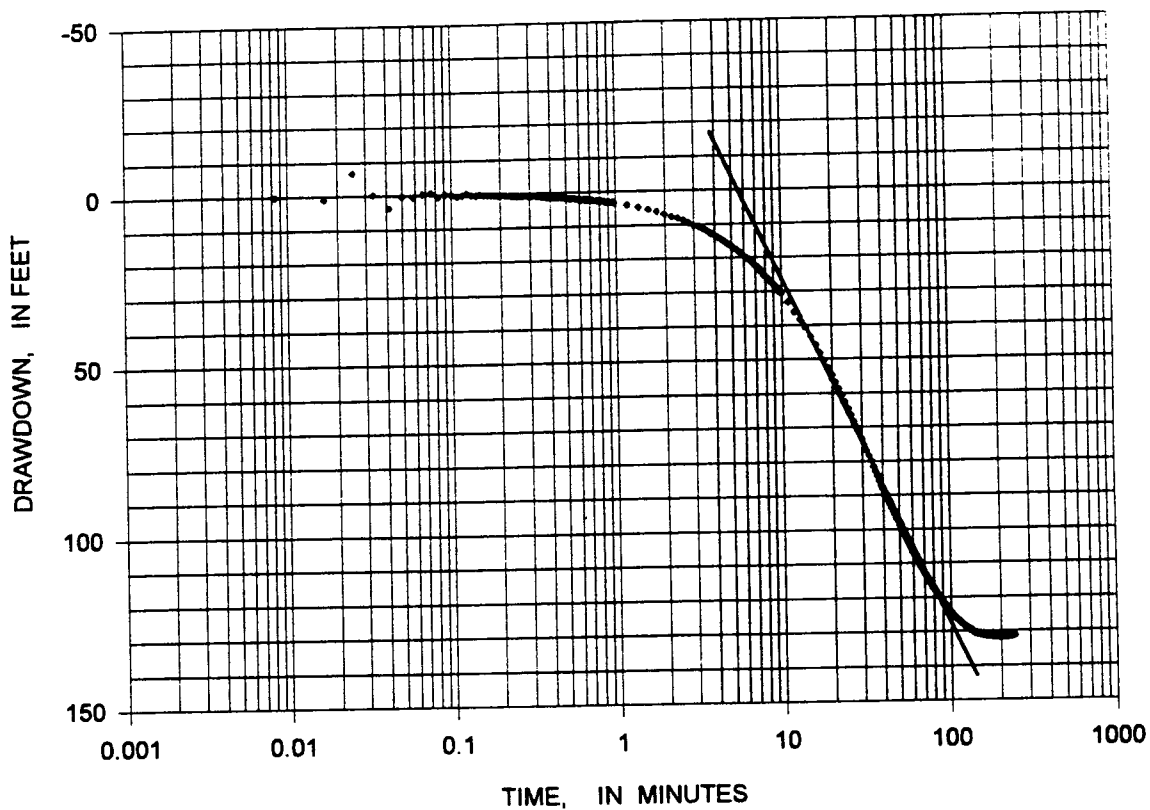
# **IW 5 Single Packer Test**

**1950 - 1960**

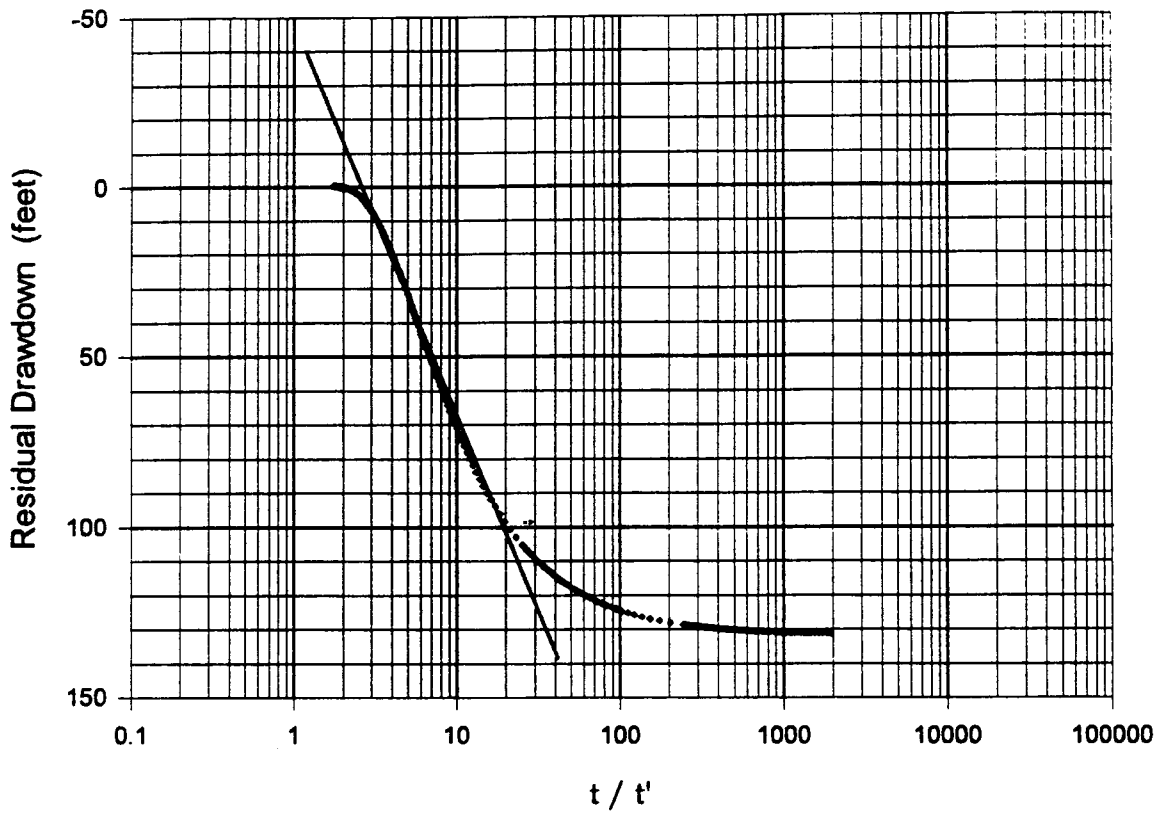
BCNRWWTP  
IW5  
1950 - 1960  
BACKGROUND, DRAWDOWN AND RECOVERY DATA



**BCNRWWTP  
IW5  
1950 - 1960  
DRAWDOWN**



**BCNRWWTP  
IW 5  
1950 - 1960  
RESIDUAL DRAWDOWN vs  $t/t'$**



# **IW6 Staddle Packer Test**

**1626 - 1645**

BCNRWWTP  
IW6  
1626 - 1645  
BACKGROUND DATA

0	0	0.7333	0	13	-0.078	77	-0.312
0.0083	0	0.75	0	14	-0.078	78	-0.312
0.0166	0	0.7666	0	15	-0.078	79	-0.312
0.025	0	0.7833	0	16	-0.078	80	-0.312
0.0333	0	0.8	0	17	-0.078	81	-0.312
0.0416	0	0.8166	0	18	-0.078	82	-0.312
0.05	0	0.8333	0	19	-0.078	83	-0.312
0.0583	0	0.85	0	20	-0.078	84	-0.312
0.0666	0	0.8666	0	21	-0.078	85	-0.312
0.075	0	0.8833	0	22	-0.078	86	-0.312
0.0833	0	0.9	0	23	-0.156	87	-0.312
0.0916	0	0.9166	0	24	-0.156	88	-0.312
0.1	0	0.9333	0	25	-0.156	89	-0.312
0.1083	0	0.95	0	26	-0.156	90	-0.312
0.1166	0	0.9666	0	27	-0.156	91	-0.312
0.125	0	0.9833	0	28	-0.156	92	-0.39
0.1333	0	1	0	29	-0.156	93	-0.39
0.1416	0	1.2	0	30	-0.156	94	-0.312
0.15	0	1.4	0	31	-0.156	95	-0.39
0.1583	0	1.6	0	32	-0.156	96	-0.312
0.1666	0	1.8	0	33	-0.156	97	-0.39
0.175	0	2	0	34	-0.234	98	-0.39
0.1833	0	2.2	0	35	-0.156	99	-0.39
0.1916	0	2.4	0	36	-0.234	100	-0.39
0.2	0	2.6	0	37	-0.234	101	-0.39
0.2083	0	2.8	0	38	-0.234	102	-0.39
0.2166	0	3	0	39	-0.234	103	-0.39
0.225	0	3.2	0	40	-0.234	104	-0.39
0.2333	0	3.4	0	41	-0.234	105	-0.39
0.2416	0	3.6	0	42	-0.234	106	-0.39
0.25	0	3.8	0	43	-0.234	107	-0.39
0.2583	0	4	0	44	-0.234	108	-0.39
0.2666	0	4.2	0	45	-0.234	109	-0.39
0.275	0	4.4	0	46	-0.234	110	-0.312
0.2833	0	4.6	0	47	-0.234	111	-0.39
0.2916	0	4.8	-0.078	48	-0.312	112	-0.39
0.3	0	5	0	49	-0.234		
0.3083	0	5.2	-0.078	50	-0.234		
0.3166	0	5.4	-0.078	51	-0.234		
0.325	0	5.6	-0.078	52	-0.234		
0.3333	0	5.8	-0.234	53	-0.234		
0.35	0	6	-0.078	54	-0.234		
0.3666	0	6.2	-0.078	55	-0.234		
0.3833	0	6.4	-0.078	56	-0.312		
0.4	0	6.6	-0.078	57	-0.312		
0.4166	0	6.8	-0.078	58	-0.234		
0.4333	0	7	-0.078	59	-0.312		
0.45	0	7.2	-0.078	60	-0.234		
0.4666	0	7.4	-0.078	61	-0.312		
0.4833	0	7.6	-0.078	62	-0.312		
0.5	0	7.8	-0.078	63	-0.312		
0.5166	0	8	-0.078	64	-0.312		
0.5333	0	8.2	-0.078	65	-0.312		
0.55	0	8.4	-0.078	66	-0.312		
0.5666	0	8.6	-0.078	67	-0.312		
0.5833	0	8.8	-0.078	68	-0.312		
0.6	0	9	-0.078	69	-0.312		
0.6166	0	9.2	-0.078	70	-0.312		
0.6333	0	9.4	-0.078	71	-0.312		
0.65	0	9.6	-0.078	72	-0.312		
0.6666	0	9.8	-0.078	73	-0.312		
0.6833	0	10	-0.078	74	-0.312		
0.7	0	11	-0.078	75	-0.312		
0.7166	0	12	-0.078	76	-0.312		



BCNRWWTP  
IW6  
1626 - 1645  
DRAWDOWN

0	-0.39	0.7333	54.553	13	187.098	77	192.292
0.0083	-0.39	0.75	55.333	14	187.874	78	192.292
0.0166	0.625	0.7666	56.112	15	188.881	79	192.214
0.025	-0.859	0.7833	56.814	16	189.191	80	192.447
0.0333	4.062	0.8	57.515	17	189.501	81	192.447
0.0416	4.921	0.8166	58.295	18	189.656	82	192.602
0.05	38.801	0.8333	58.996	19	189.734	83	192.369
0.0583	47.068	0.85	59.853	20	189.734	84	192.447
0.0666	54.787	0.8666	60.555	21	190.122	85	192.369
0.075	53.306	0.8833	61.334	22	190.199	86	192.369
0.0833	52.76	0.9	62.036	23	190.044	87	192.292
0.0916	53.15	0.9166	62.737	24	189.734	88	192.447
0.1	53.54	0.9333	63.438	25	190.199	89	192.447
0.1083	54.007	0.95	64.296	26	190.354	90	192.602
0.1166	54.007	0.9666	64.997	27	190.587	91	192.602
0.125	54.631	0.9833	65.62	28	190.742	92	192.524
0.1333	54.475	1	66.166	29	190.819	93	192.447
0.1416	55.8	1.2	74.579	30	190.974	94	192.679
0.15	55.956	1.4	82.134	31	191.129	95	192.757
0.1583	56.346	1.6	89.14	32	191.052	96	192.757
0.1666	56.814	1.8	95.678	33	191.129	97	192.912
0.175	57.281	2	101.67	34	191.362	98	192.679
0.1833	57.593	2.2	107.504	35	191.284	99	192.679
0.1916	57.983	2.4	112.793	36	191.439	100	192.602
0.2	58.373	2.6	117.225	37	191.439	101	192.757
0.2083	58.84	2.8	121.423	38	191.594	102	192.834
0.2166	59.23	3	125.465	39	191.672	103	192.834
0.225	59.698	3.2	129.274	40	191.439	104	192.834
0.2333	60.009	3.4	132.693	41	191.517	105	192.524
0.2416	60.477	3.6	135.956	42	191.517	106	192.679
0.25	60.867	3.8	139.063	43	191.594	107	192.524
0.2583	61.334	4	142.015	44	191.517	108	192.989
0.2666	61.568	4.2	144.811	45	191.672	109	192.989
0.275	61.958	4.4	147.374	46	191.749	110	193.067
0.2833	62.425	4.6	149.936	47	191.594	111	192.989
0.2916	62.815	4.8	152.188	48	191.749	112	193.067
0.3	63.127	5	154.361	49	192.059	113	192.989
0.3083	63.594	5.2	156.457	50	191.827	114	192.912
0.3166	63.984	5.4	158.398	51	191.827	115	192.834
0.325	63.984	5.6	160.183	52	191.904	116	192.912
0.3333	63.984	5.8	161.968	53	191.982	117	193.067
0.35	61.49	6	163.442	54	192.137	118	192.912
0.3666	51.668	6.2	165.072	55	192.214	119	192.757
0.3833	35.446	6.4	166.468	56	192.059	120	192.369
0.4	36.304	6.6	167.71	57	191.982	121	192.214
0.4166	37.396	6.8	169.106	58	192.059	122	192.214
0.4333	38.489	7	170.503	59	191.904	123	192.447
0.45	39.425	7.2	171.589	60	192.137	124	192.757
0.4666	40.439	7.4	172.442	61	191.982	125	192.912
0.4833	41.375	7.6	173.606	62	191.904	126	192.912
0.5	42.233	7.8	174.614	63	192.059	127	193.067
0.5166	43.325	8	175.622	64	191.982	128	192.834
0.5333	44.183	8.2	176.553	65	191.982	129	193.144
0.55	45.196	8.4	177.096	66	192.137	130	193.144
0.5666	46.132	8.6	177.949	67	192.292	131	193.144
0.5833	47.068	8.8	178.88	68	192.137	132	193.067
0.6	48.004	9	179.345	69	192.059	133	193.144
0.6166	48.862	9.2	180.198	70	192.214	134	193.144
0.6333	49.719	9.4	180.818	71	192.214	135	193.299
0.65	50.577	9.6	181.361	72	192.214	136	193.299
0.6666	51.435	9.8	181.826	73	192.059	137	193.299
0.6833	52.214	10	182.214	74	192.214	138	193.222
0.7	52.916	11	184.462	75	192.292	139	193.299
0.7166	53.773	12	185.858	76	192.059	140	193.299
141	193.144	204	192.214				
142	193.144	205	192.137				
143	193.222	206	192.214				

BCNRWWTP  
IW6  
1626 - 1645  
DRAWDOWN

144	193.144	207	192.214
145	193.299	208	192.369
146	193.144	209	192.447
147	193.144	210	192.292
148	193.377	211	192.369
149	193.377	212	192.447
150	193.377	213	192.447
151	193.222	214	192.292
152	193.299	215	192.447
153	193.144	216	192.369
154	193.067	217	192.447
155	193.299	218	192.292
156	193.144	219	192.214
157	193.377	220	192.137
158	193.299	221	192.059
159	193.222	222	191.982
160	193.377	223	191.982
161	193.067	224	191.904
162	193.144	225	191.827
163	193.067	226	191.982
164	193.067	227	192.059
165	193.067	228	191.982
166	193.067	229	191.982
167	193.144	230	191.982
168	193.222	231	192.059
169	193.144	232	191.982
170	193.144	233	192.059
171	193.144	234	191.982
172	193.299	235	192.137
173	193.067	236	192.214
174	193.377	237	192.369
175	193.299	238	192.369
176	193.222	239	192.059
177	193.222	240	191.749
178	193.222	241	191.362
179	193.299	242	191.207
180	193.299		
181	193.067		
182	193.067		
183	192.912		
184	193.067		
185	193.144		
186	192.989		
187	193.067		
188	193.067		
189	193.067		
190	192.989		
191	192.912		
192	192.912		
193	192.989		
194	193.144		
195	192.989		
196	193.144		
197	193.144		
198	192.989		
199	192.834		
200	192.447		
201	192.447		
202	192.214		
203	192.214		

BCNRWWTP  
IW6  
1626 - 1645  
RECOVERY DATA

0	191.129	0.7333	148.538	13	8.983	77	0.234
0.0083	191.129	0.75	147.995	14	6.406	78	0.234
0.0166	191.052	0.7666	147.451	15	5.39	79	0.234
0.025	191.207	0.7833	146.985	16	4.765	80	0.234
0.0333	191.207	0.8	146.519	17	4.296	81	0.156
0.0416	191.207	0.8166	146.053	18	3.906	82	0.156
0.05	189.114	0.8333	145.588	19	3.593	83	0.156
0.0583	189.812	0.85	145.122	20	3.281	84	0.156
0.0666	189.036	0.8666	144.733	21	3.047	85	0.156
0.075	189.036	0.8833	144.345	22	2.812	86	0.156
0.0833	187.874	0.9	143.957	23	2.656	87	0.156
0.0916	187.331	0.9166	143.568	24	2.5	88	0.156
0.1	186.246	0.9333	143.102	25	2.265	89	0.078
0.1083	185.78	0.95	142.714	26	2.187	90	0.156
0.1166	185.005	0.9666	142.326	27	2.031	91	0.078
0.125	184.23	0.9833	141.937	28	1.953	92	0.078
0.1333	183.222	1	141.549	29	1.797	93	0.078
0.1416	182.834	1.2	136.655	30	1.718	94	0.078
0.15	182.369	1.4	132.071	31	1.64	95	0.078
0.1583	180.973	1.6	127.642	32	1.562	96	0.078
0.1666	180.431	1.8	123.289	33	1.484	97	0.078
0.175	179.733	2	119.169	34	1.406	98	0.078
0.1833	179.112	2.2	115.126	35	1.328	99	0.078
0.1916	178.337	2.4	111.238	36	1.25	100	-0.078
0.2	177.484	2.6	107.193	37	1.171	101	0.078
0.2083	176.708	2.8	103.304	38	1.171	102	0
0.2166	176.165	3	99.569	39	1.093	103	0.078
0.225	175.467	3.2	95.99	40	1.015	104	0.078
0.2333	174.614	3.4	92.487	41	0.937	105	0.078
0.2416	174.071	3.6	89.14	42	0.937	106	0.078
0.25	173.528	3.8	85.949	43	0.859	107	0
0.2583	172.597	4	82.834	44	0.859	108	0.078
0.2666	171.899	4.2	79.797	45	0.781	109	0
0.275	171.356	4.4	77.072	46	0.781	110	0
0.2833	170.813	4.6	74.346	47	0.781	111	0
0.2916	170.115	4.8	71.775	48	0.703	112	0
0.3	169.494	5	69.282	49	0.703	113	0
0.3083	169.184	5.2	66.867	50	0.625	114	0
0.3166	168.408	5.4	64.529	51	0.625	115	0
0.325	168.098	5.6	62.191	52	0.625	116	0
0.3333	167.555	5.8	60.009	53	0.546	117	0
0.35	166.468	6	57.983	54	0.546	118	0
0.3666	165.537	6.2	55.878	55	0.546	119	0
0.3833	164.529	6.4	54.007	56	0.468	120	0
0.4	163.52	6.6	52.136	57	0.468	121	0
0.4166	162.666	6.8	50.265	58	0.468	122	0
0.4333	161.813	7	48.394	59	0.39	123	0
0.45	160.881	7.2	46.6	60	0.39	124	0
0.4666	160.028	7.4	44.884	61	0.39	125	-0.078
0.4833	159.251	7.6	43.169	62	0.39	126	-0.078
0.5	158.32	7.8	41.609	63	0.39	127	-0.078
0.5166	157.544	8	40.049	64	0.39	128	-0.078
0.5333	156.768	8.2	38.567	65	0.312	129	-0.078
0.55	155.991	8.4	37.162	66	0.39	130	-0.078
0.5666	155.215	8.6	35.758	67	0.312	131	-0.078
0.5833	154.517	8.8	34.51	68	0.234	132	-0.078
0.6	153.74	9	33.261	69	0.234	133	-0.078
0.6166	153.042	9.2	32.013	70	0.312	134	-0.078
0.6333	152.42	9.4	30.843	71	0.234	135	-0.078
0.65	151.644	9.6	29.75	72	0.234	136	-0.078
0.6666	151.023	9.8	28.736	73	0.312	137	-0.078
0.6833	150.402	10	27.721	74	0.234	138	-0.078
0.7	149.781	11	23.194	75	0.234	139	-0.156
0.7166	149.082	12	19.993	76	0.234	140	-0.078

141 -0.078  
142 -0.078

BCNRWWTP  
IW6  
1626 - 1645  
RECOVERY DATA

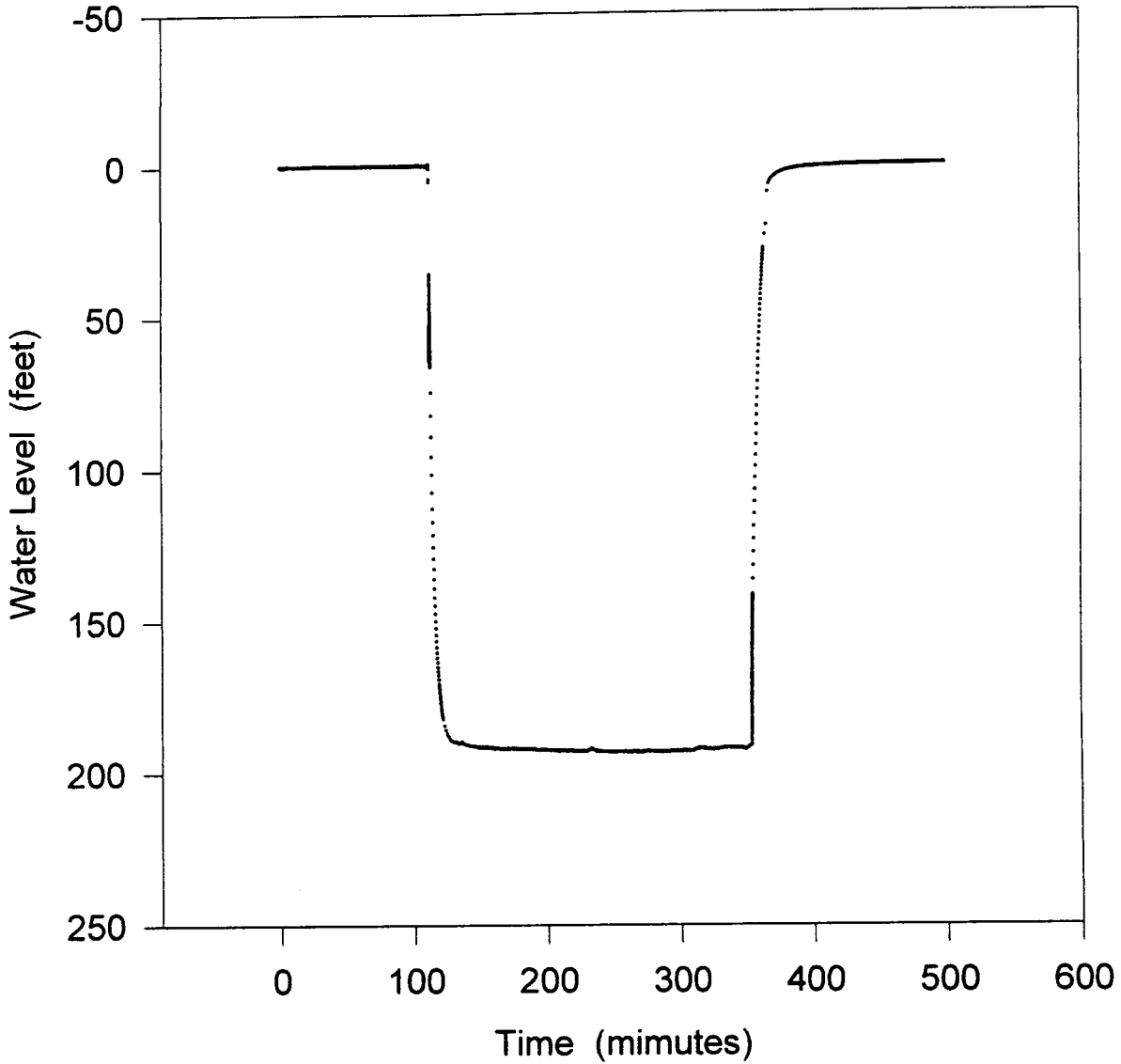
143	-0.078
144	-0.078
145	-0.156
146	-0.078

# BCNRWWTP

IW6

1626 - 1645

## BACKGROUND, DRAWDOWN AND RECOVERY DATA

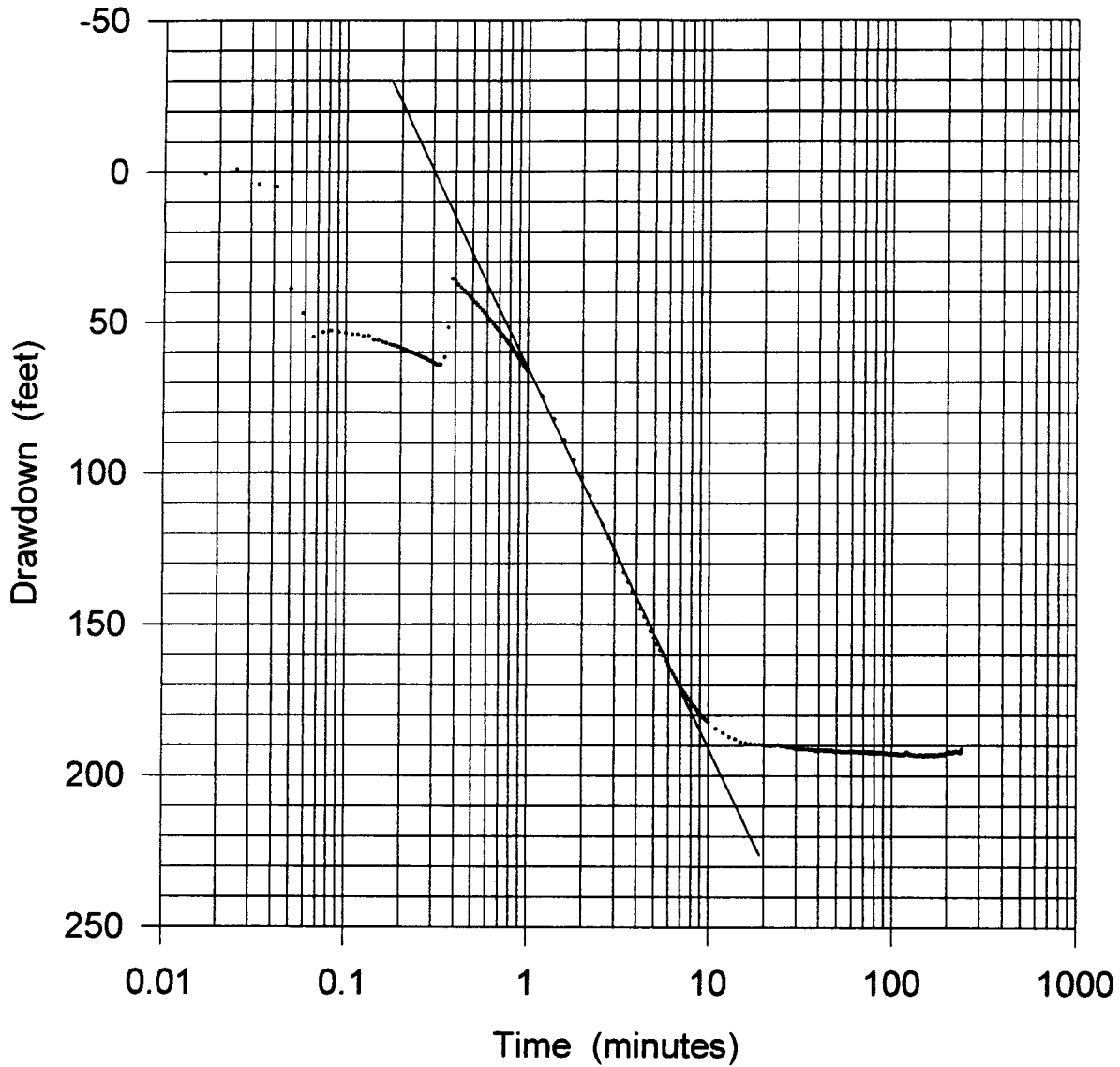


# BCNRWWTP

## IW6

1626 - 1645

### DRAWDOWN



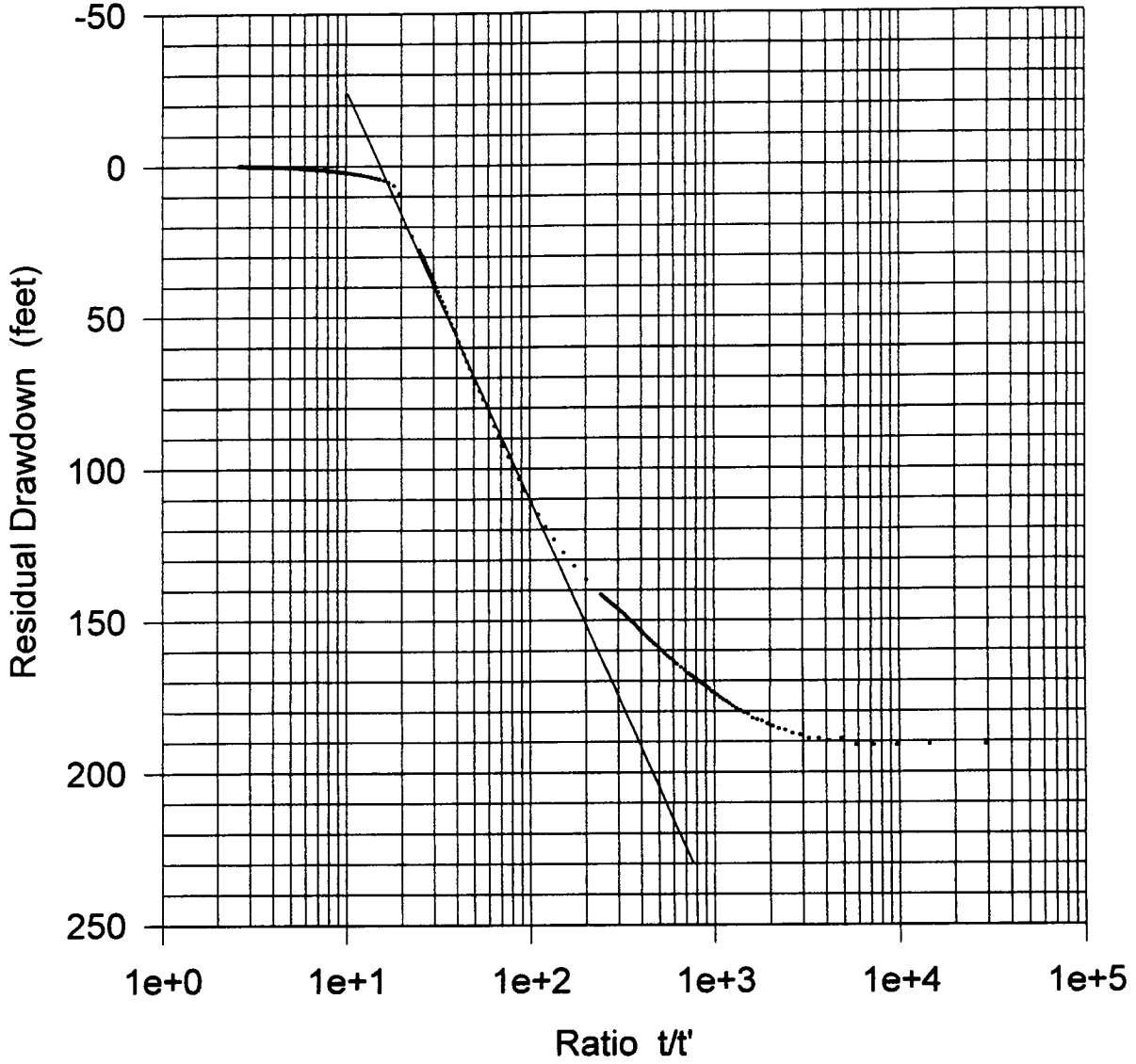
Cooper - Jacob Non-Equilibrium Analysis

# BCNRWWTP

IW6

1626 - 1645

## RESIDUAL DRAWDOWN VS $t/t'$



# **IW6 Staddle Packer Test**

**1776 - 1790**



BCNRWWTP  
IW6  
BACKGROUND DATA  
1776-1790

0	173.622	0.7333	164.454	13	61.344	77	-3.051
0.0083	173.622	0.75	164.221	14	55.646	78	-3.051
0.0166	173.544	0.7666	163.988	15	50.415	79	-3.051
0.025	173.622	0.7833	163.754	16	45.495	80	-3.051
0.0333	167.173	0.8	163.599	17	41.043	81	-3.051
0.0416	173	0.8166	163.366	18	36.981	82	-3.208
0.05	172.068	0.8333	163.133	19	33.309	83	-3.208
0.0583	173.156	0.85	162.9	20	30.262	84	-3.208
0.0666	173	0.8666	162.744	21	27.292	85	-3.208
0.075	173.311	0.8833	162.511	22	24.712	86	-3.208
0.0833	174.01	0.9	162.278	23	22.289	87	-3.208
0.0916	172.689	0.9166	162.122	24	20.1	88	-3.286
0.1	173	0.9333	161.889	25	18.067	89	-3.443
0.1083	172.845	0.95	161.656	26	16.191	90	-3.208
0.1166	172.612	0.9666	161.501	27	14.471	91	-3.208
0.125	172.301	0.9833	161.267	28	12.907	92	-3.208
0.1333	172.223	1	161.034	29	11.499	93	-3.208
0.1416	172.146	1.2	158.392	30	10.169	94	-3.443
0.15	171.99	1.4	155.904	31	8.996	95	-3.286
0.1583	171.913	1.6	153.572	32	7.901	96	-3.286
0.1666	171.835	1.8	151.24	33	6.884	97	-3.208
0.175	171.68	2	148.907	34	5.945	98	-3.208
0.1833	171.602	2.2	146.574	35	5.085	99	-3.286
0.1916	171.447	2.4	144.319	36	4.303	100	-3.286
0.2	171.369	2.6	142.063	37	3.677	101	-3.208
0.2083	171.291	2.8	139.807	38	3.051	102	-3.286
0.2166	171.136	3	137.629	39	2.425	103	-3.208
0.225	171.058	3.2	135.528	40	1.877	104	-3.286
0.2333	170.98	3.4	133.35	41	1.564	105	-3.208
0.2416	170.825	3.6	131.249	42	-2.425	106	-3.286
0.25	170.747	3.8	129.225	43	-2.738	107	-3.208
0.2583	170.592	4	127.202	44	-2.816	108	-3.286
0.2666	170.514	4.2	125.178	45	-2.816	109	-3.286
0.275	170.359	4.4	123.232	46	-2.895	110	-3.286
0.2833	170.281	4.6	121.364	47	-2.895	111	-3.208
0.2916	170.204	4.8	119.651	48	-2.895	112	-3.286
0.3	170.048	5	117.86	49	-2.895	113	-3.286
0.3083	169.97	5.2	116.147	50	-2.895	114	-3.286
0.3166	169.815	5.4	114.434	51	-2.973	115	-3.286
0.325	169.737	5.6	112.721	52	-2.973	116	-3.286
0.3333	169.582	5.8	111.085	53	-2.973	117	-3.286
0.35	169.427	6	109.45	54	-2.973	118	-3.286
0.3666	169.194	6.2	107.814	55	-2.973	119	-3.286
0.3833	168.96	6.4	106.178	56	-2.973	120	-3.286
0.4	168.727	6.6	104.62	57	-2.973	121	-3.286
0.4166	168.494	6.8	103.062	58	-2.973	122	-3.286
0.4333	168.339	7	101.504	59	-2.973	123	-3.364
0.45	168.106	7.2	99.946	60	-2.973	124	-3.208
0.4666	167.873	7.4	98.465	61	-3.051	125	-3.286
0.4833	167.64	7.6	96.984	62	-3.051	126	-3.364
0.5	167.407	7.8	95.582	63	-3.051	127	-3.208
0.5166	167.173	8	94.101	64	-3.051	128	-3.286
0.5333	167.018	8.2	92.62	65	-3.051	129	-3.286
0.55	166.785	8.4	91.061	66	-3.051	130	-3.286
0.5666	166.552	8.6	89.58	67	-3.051	131	-3.208
0.5833	166.319	8.8	88.099	68	-3.051	132	-3.286
0.6	166.163	9	86.695	69	-3.051	133	-3.286
0.6166	165.93	9.2	85.214	70	-3.051	134	-3.286
0.6333	165.697	9.4	83.811	71	-3.051	135	-3.286
0.65	165.464	9.6	82.407	72	-3.051	136	-3.286
0.6666	165.309	9.8	81.003	73	-3.051	137	-3.286
0.6833	165.075	10	79.678	74	-3.051	138	-3.286
0.7	164.842	11	73.126	75	-3.051	139	-3.286
0.7166	164.609	12	66.963	76	-3.051	140	-3.286
141	-3.286	205	-3.286				
142	-3.286	206	-3.286				
143	-3.286	207	-3.286				
144	-3.286	208	-3.286				

BCNRWWTP  
IW6  
BACKGROUND DATA

145	-3.286	209	-3.364
146	-3.286	210	-3.286
147	-3.286	211	-3.286
148	-3.286	212	-3.364
149	-3.286	213	-3.364
150	-3.286	214	-3.364
151	-3.286	215	-3.364
152	-3.286	216	-3.364
153	-3.286	217	-3.364
154	-3.286	218	-3.364
155	-3.286	219	-3.364
156	-3.286	220	-3.286
157	-3.286	221	-3.364
158	-3.286	222	-3.364
159	-3.286	223	-3.364
160	-3.286	224	-3.364
161	-3.286	225	-3.364
162	-3.286	226	-3.364
163	-3.286	227	-3.364
164	-3.286	228	-3.364
165	-3.286	229	-3.364
166	-3.286	230	-3.364
167	-3.286	231	-3.364
168	-3.286	232	-3.364
169	-3.286	233	-3.364
170	-3.286	234	-3.364
171	-3.286	235	-3.364
172	-3.286	236	-3.364
173	-3.286	237	-3.364
174	-3.286	238	-3.364
175	-3.286	239	-3.364
176	-3.286	240	-3.364
177	-3.286	241	-3.364
178	-3.286	242	-3.364
179	-3.286		
180	-3.286		
181	-3.286		
182	-3.286		
183	-3.286		
184	-3.286		
185	-3.286		
186	-3.286		
187	-3.286		
188	-3.286		
189	-3.286		
190	-3.364		
191	-3.286		
192	-3.364		
193	-3.286		
194	-3.286		
195	-3.364		
196	-3.364		
197	-3.364		
198	-3.286		
199	-3.286		
200	-3.286		
201	-3.286		
202	-3.286		
203	-3.364		
204	-3.286		

**BCNRWWTP  
IW6  
1776 - 1790  
DRAWDOWN DATA**

0	0	0.7333	14.629	13	145.272	77	176.676
0.0083	0	0.75	15.098	14	149.317	78	176.676
0.0166	0	0.7666	15.411	15	152.66	79	176.753
0.025	-0.078	0.7833	15.802	16	155.771	80	176.676
0.0333	0	0.8	16.115	17	158.258	81	176.831
0.0416	0	0.8166	16.506	18	160.746	82	176.831
0.05	0	0.8333	16.819	19	162.845	83	176.753
0.0583	0	0.85	17.21	20	164.555	84	176.753
0.0666	0	0.8666	17.601	21	166.187	85	176.676
0.075	0	0.8833	17.914	22	167.585	86	176.753
0.0833	0	0.9	18.305	23	168.829	87	176.753
0.0916	0	0.9166	18.617	24	169.839	88	176.753
0.1	0	0.9333	19.008	25	170.694	89	176.676
0.1083	0	0.95	19.321	26	171.471	90	176.598
0.1166	0	0.9666	19.712	27	172.248	91	176.598
0.125	0	0.9833	20.025	28	172.714	92	176.52
0.1333	0	1	20.416	29	173.18	93	176.52
0.1416	0	1.2	24.638	30	173.491	94	176.443
0.15	0	1.4	28.624	31	173.957	95	176.443
0.1583	0	1.6	32.689	32	174.19	96	176.52
0.1666	0.156	1.8	36.439	33	174.501	97	176.52
0.175	25.107	2	40.424	34	174.734	98	176.52
0.1833	36.596	2.2	44.408	35	174.889	99	176.443
0.1916	35.892	2.4	48.235	36	175.122	100	176.365
0.2	33.626	2.6	51.984	37	175.277	101	176.443
0.2083	38.471	2.8	55.576	38	175.51	102	176.52
0.2166	39.877	3	59.167	39	175.666	103	176.52
0.225	36.205	3.2	62.601	40	175.744	104	176.598
0.2333	36.83	3.4	65.723	41	175.899	105	176.598
0.2416	38.315	3.6	68.689	42	176.054	106	176.676
0.25	37.768	3.8	71.498	43	176.132	107	176.753
0.2583	37.69	4	74.306	44	176.21	108	176.753
0.2666	38.471	4.2	76.959	45	176.132	109	176.753
0.275	38.862	4.4	79.611	46	176.132	110	176.753
0.2833	38.471	4.6	82.107	47	176.21	111	176.831
0.2916	38.783	4.8	84.602	48	176.21	112	176.831
0.3	39.096	5	87.097	49	176.21	113	176.831
0.3083	39.174	5.2	89.437	50	176.132	114	176.676
0.3166	39.174	5.4	91.697	51	176.21	115	176.676
0.325	39.487	5.6	93.958	52	176.287	116	176.676
0.3333	39.643	5.8	96.141	53	176.365	117	176.676
0.35	39.955	6	98.089	54	176.443	118	176.676
0.3666	40.268	6.2	100.037	55	176.52	119	176.753
0.3833	40.58	6.4	101.908	56	176.52	120	176.676
0.4	40.893	6.6	103.778	57	176.598	121	176.753
0.4166	41.205	6.8	105.57	58	176.52	122	176.831
0.4333	41.44	7	107.284	59	176.52	123	176.831
0.45	41.83	7.2	108.998	60	176.598	124	176.831
0.4666	42.143	7.4	110.712	61	176.676	125	176.909
0.4833	42.455	7.6	112.269	62	176.753	126	176.986
0.5	42.69	7.8	113.827	63	176.598	127	176.909
0.5166	43.08	8	115.385	64	176.52	128	177.064
0.5333	43.315	8.2	116.865	65	176.443	129	177.064
0.55	43.627	8.4	118.344	66	176.52	130	177.064
0.5666	43.94	8.6	119.824	67	176.52	131	176.986
0.5833	44.252	8.8	121.147	68	176.52	132	177.064
0.6	44.408	9	122.549	69	176.52	133	177.064
0.6166	35.658	9.2	123.872	70	176.52	134	176.986
0.6333	18.461	9.4	125.118	71	176.443	135	176.909
0.65	12.439	9.6	126.441	72	176.52	136	176.831
0.6666	13.378	9.8	127.765	73	176.52	137	176.831
0.6833	13.691	10	129.01	74	176.52	138	176.831
0.7	13.925	11	135.08	75	176.598	139	176.909
0.7166	14.394	12	140.527	76	176.676	140	176.831
141	176.909	205	177.142				
142	176.909	206	177.142				
143	176.909	207	177.064				
144	176.909	208	176.986				

BCNRWWTP  
IW6  
1776 - 1790  
DRAWDOWN DATA

145	176.909	209	176.986
146	176.909	210	177.064
147	176.909	211	176.986
148	176.909	212	177.142
149	176.909	213	177.142
150	176.909	214	177.142
151	176.909	215	177.142
152	176.986	216	177.219
153	177.064	217	177.219
154	177.064	218	177.219
155	177.064	219	177.142
156	177.064	220	177.142
157	177.064	221	177.142
158	177.064	222	177.219
159	177.064	223	177.297
160	176.986	224	177.297
161	176.986	225	177.219
162	177.064	226	177.297
163	177.064	227	177.297
164	177.064	228	177.297
165	177.064	229	177.219
166	177.064	230	177.219
167	176.986	231	177.297
168	176.986	232	177.297
169	176.986	233	177.297
170	176.909	234	177.297
171	176.831	235	177.219
172	176.753	236	177.297
173	176.753	237	177.297
174	176.753	238	177.297
175	176.753	239	177.297
176	176.753	240	177.219
177	176.753		
178	176.831		
179	176.831		
180	176.753		
181	176.909		
182	176.909		
183	176.909		
184	176.986		
185	177.064		
186	177.064		
187	177.064		
188	177.142		
189	177.064		
190	176.986		
191	177.142		
192	177.064		
193	177.064		
194	177.142		
195	177.142		
196	177.064		
197	177.064		
198	177.142		
199	177.064		
200	177.064		
201	177.142		
202	177.219		
203	177.219		
204	177.219		

**BCNRWWTP  
IW6  
1776 - 1790  
RECOVERY DATA**

0	177.219	0.7333	168.207	13	64.787	77	0.078
0.0083	177.219	0.75	167.974	14	59.011	78	0.078
0.0166	177.219	0.7666	167.741	15	53.702	79	0.078
0.025	177.219	0.7833	167.508	16	48.86	80	0.078
0.0333	177.219	0.8	167.352	17	44.408	81	0.078
0.0416	177.219	0.8166	167.119	18	40.346	82	0.078
0.05	177.375	0.8333	166.886	19	36.674	83	0.078
0.0583	174.19	0.85	166.653	20	33.626	84	0.078
0.0666	176.831	0.8666	166.497	21	30.578	85	0
0.075	176.909	0.8833	166.264	22	27.999	86	0.078
0.0833	176.598	0.9	166.031	23	25.576	87	0.078
0.0916	176.986	0.9166	165.876	24	23.387	88	0
0.1	176.909	0.9333	165.643	25	21.354	89	0
0.1083	176.365	0.95	165.409	26	19.477	90	0
0.1166	176.287	0.9666	165.254	27	17.757	91	0
0.125	176.443	0.9833	165.021	28	16.193	92	0
0.1333	176.054	1	164.788	29	14.785	93	0
0.1416	175.899	1.2	162.145	30	13.456	94	0
0.15	175.821	1.4	159.658	31	12.283	95	-0.078
0.1583	175.666	1.6	157.248	32	11.109	96	-0.078
0.1666	175.588	1.8	154.915	33	10.171	97	-0.078
0.175	175.433	2	152.583	34	9.154	98	-0.078
0.1833	175.355	2.2	150.328	35	8.371	99	-0.078
0.1916	175.2	2.4	147.994	36	7.589	100	-0.078
0.2	175.122	2.6	145.739	37	6.885	101	-0.156
0.2083	175.044	2.8	143.561	38	6.259	102	-0.078
0.2166	174.889	3	141.305	39	5.712	103	-0.078
0.225	174.811	3.2	139.204	40	5.164	104	-0.078
0.2333	174.734	3.4	137.026	41	1.721	105	-0.078
0.2416	174.578	3.6	134.925	42	0.547	106	-0.078
0.25	174.501	3.8	132.902	43	0.469	107	-0.078
0.2583	174.423	4	130.878	44	0.391	108	-0.078
0.2666	174.268	4.2	128.854	45	0.313	109	-0.078
0.275	174.19	4.4	126.831	46	0.313	110	-0.156
0.2833	174.034	4.6	124.962	47	0.313	111	-0.078
0.2916	173.957	4.8	123.249	48	0.234	112	-0.156
0.3	173.801	5	121.459	49	0.234	113	-0.078
0.3083	173.724	5.2	119.746	50	0.234	114	-0.078
0.3166	173.646	5.4	118.033	51	0.234	115	-0.078
0.325	173.491	5.6	116.319	52	0.234	116	-0.078
0.3333	173.413	5.8	114.606	53	0.156	117	-0.078
0.35	173.18	6	112.97	54	0.156	118	-0.078
0.3666	172.947	6.2	111.335	55	0.156	119	-0.078
0.3833	172.714	6.4	109.777	56	0.156	120	-0.156
0.4	172.558	6.6	108.141	57	0.156	121	-0.156
0.4166	172.325	6.8	106.583	58	0.156	122	-0.156
0.4333	172.092	7	105.024	59	0.156	123	-0.078
0.45	171.859	7.2	103.544	60	0.156	124	-0.156
0.4666	171.626	7.4	101.986	61	0.156	125	-0.156
0.4833	171.393	7.6	100.505	62	0.078	126	-0.156
0.5	171.237	7.8	99.102	63	0.078	127	-0.078
0.5166	171.004	8	97.621	64	0.156	128	-0.156
0.5333	170.771	8.2	96.141	65	0.078	129	-0.078
0.55	170.538	8.4	94.582	66	0.078	130	-0.156
0.5666	170.305	8.6	93.101	67	0.078	131	-0.156
0.5833	170.072	8.8	91.619	68	0.078	132	-0.156
0.6	169.917	9	90.216	69	0.078	133	-0.156
0.6166	169.683	9.2	88.735	70	0.078	134	-0.156
0.6333	169.45	9.4	87.331	71	0.078	135	-0.156
0.65	169.217	9.6	85.928	72	0.078	136	-0.156
0.6666	169.062	9.8	84.524	73	0.078	137	-0.156
0.6833	168.829	10	83.198	74	0.078	138	-0.078
0.7	168.596	11	76.647	75	0.078	139	-0.078
0.7166	168.44	12	70.405	76	0.078	140	-0.156
141	-0.156						
142	-0.156						
143	-0.156						
144	-0.156						

**BCNRWWTP  
IW6  
1776 - 1790  
RECOVERY DATA**

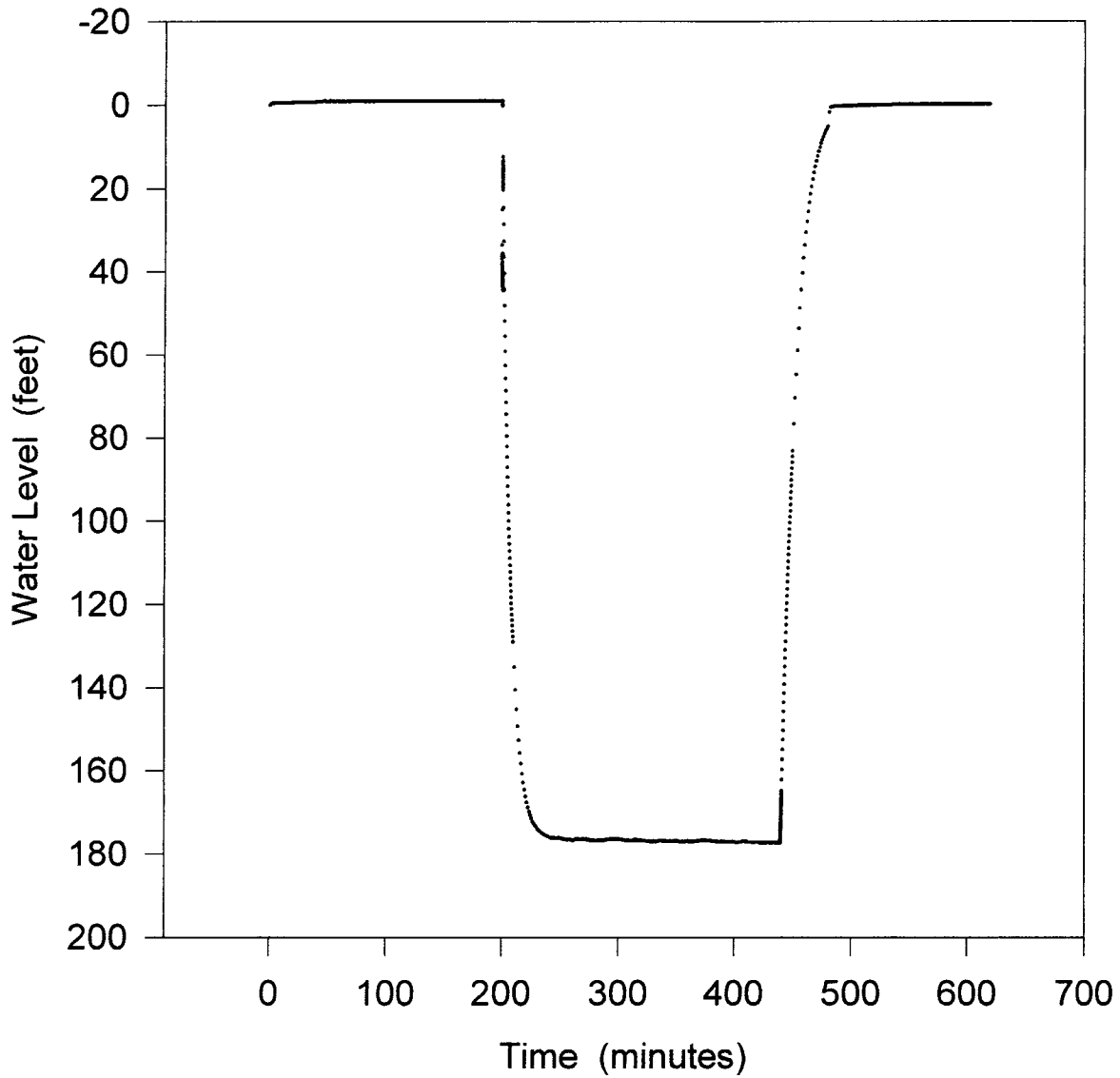
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146	-0.156
147	-0.156
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151	-0.156
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153	-0.156
154	-0.156
155	-0.156
156	-0.078
157	-0.156
158	-0.156
159	-0.156
160	-0.156
161	-0.156
162	-0.156
163	-0.156
164	-0.078
165	-0.078
166	-0.156
167	-0.156
168	-0.156
169	-0.156
170	-0.156
171	-0.156
172	-0.156
173	-0.078
174	-0.156
175	-0.156
176	-0.156
177	-0.156
178	-0.156
179	-0.156

# BCNRWWTP

## IW6

1776 - 1790

### BACKGROUND, DRAWDOWN AND RECOVERY DATA

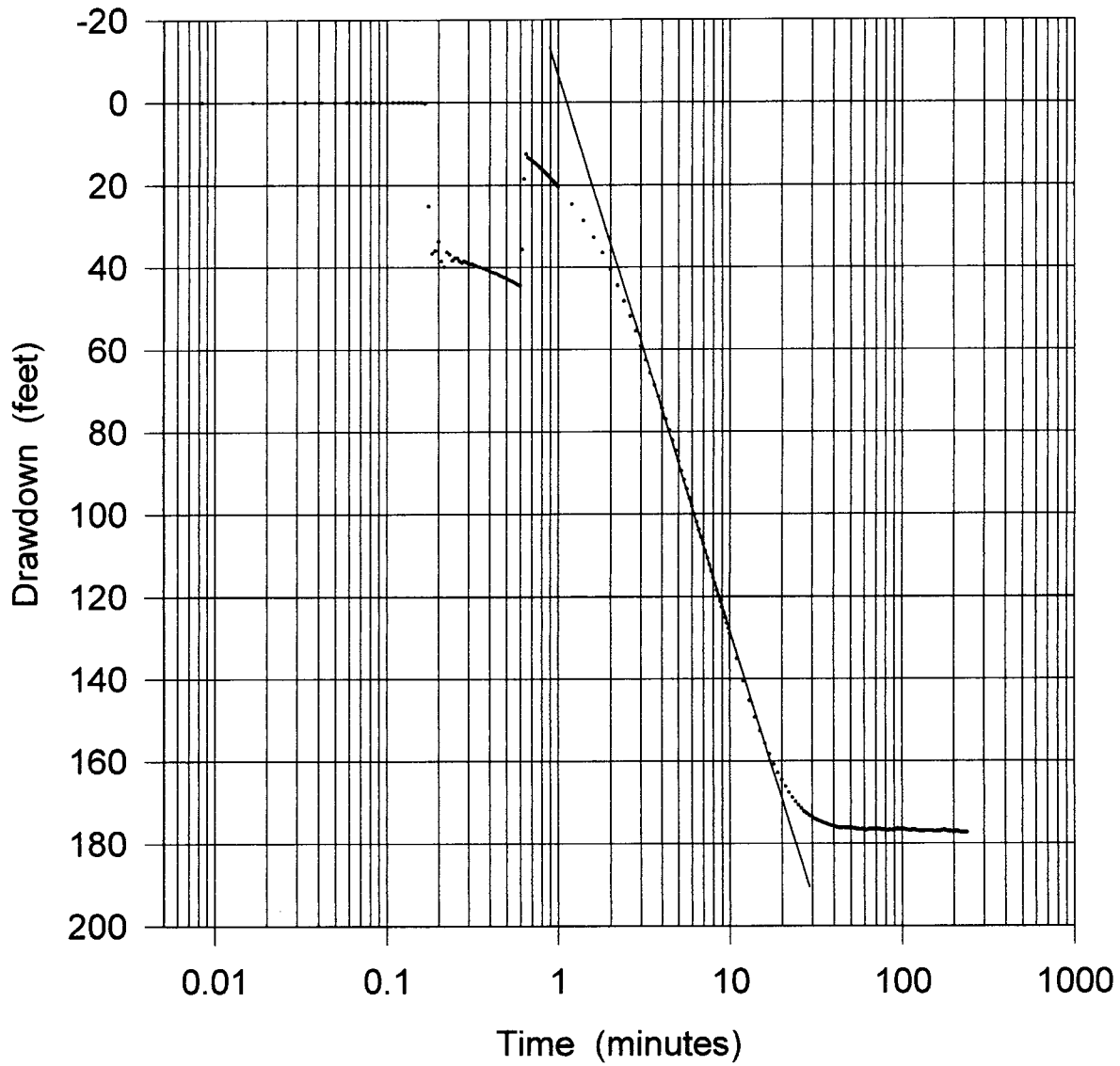


# BCNRWWTP

## IW6

### 1776 -1790

## DRAWDOWN



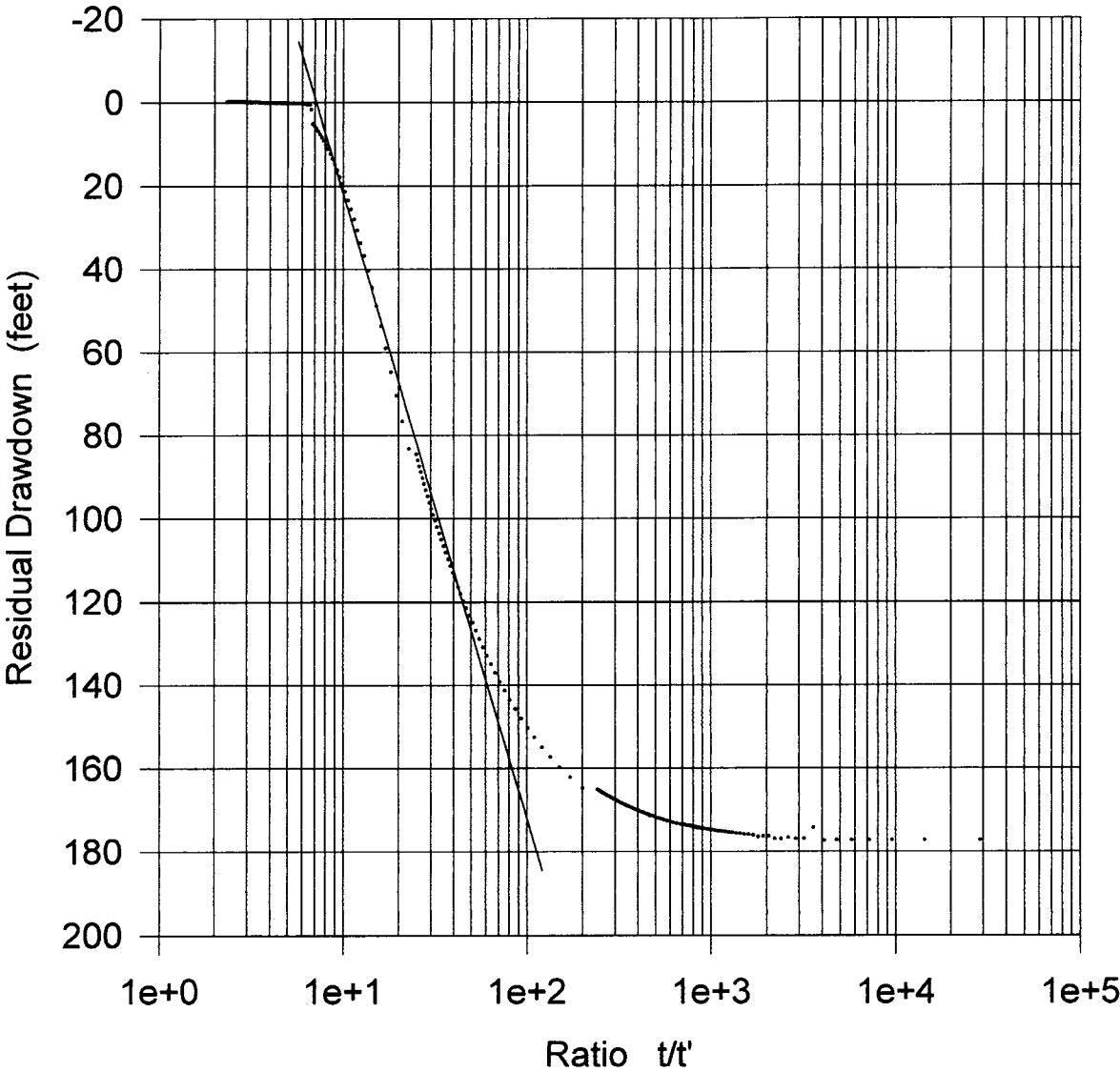


# BCNRWWTP

## IW6

1776 -1790

### Residual Drawdown



# **IW6 Staddle Packer Test**

**1791 - 1805**

BCNRWWTP  
IW6  
1791 - 1805  
BACKGROUND DATA

Time	Water Level
0	0.939
1	0.469
2	0.234
3	0.156
4	0.156
5	0.078
6	0.078
7	0.078
8	0.078
9	0.078
10	0.078
11	0.078
12	0.078
13	0.078
14	0.078
15	0.078
16	0.078
17	0.078
18	0.078
19	0.078
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0

Time	Water Level
49	0
50	0
51	0
52	0
53	0
53	0

BCNRWWTP  
IW6  
1791 - 1805  
DRAWDOWN

0	0	0.7333	53.006	13	169.939	77	243.651
0.0083	0	0.75	53.474	14	176.077	78	243.651
0.0166	0	0.7666	53.709	15	182.447	79	243.496
0.025	0	0.7833	53.943	16	188.117	80	243.496
0.0333	0	0.8	54.255	17	193.319	81	243.573
0.0416	0.313	0.8166	54.646	18	198.209	82	243.573
0.05	12.362	0.8333	54.88	19	202.323	83	243.651
0.0583	10.876	0.85	55.114	20	206.436	84	243.573
0.0666	15.335	0.8666	55.505	21	210.005	85	243.728
0.075	19.011	0.8833	55.739	22	213.495	86	243.573
0.0833	39.804	0.9	56.051	23	216.598	87	243.651
0.0916	41.211	0.9166	56.364	24	219.623	88	243.651
0.1	43.32	0.9333	56.676	25	221.949	89	243.496
0.1083	42.539	0.95	57.066	26	224.275	90	243.418
0.1166	40.351	0.9666	57.301	27	226.524	91	243.341
0.125	39.101	0.9833	57.691	28	228.462	92	243.263
0.1333	39.804	1	58.003	29	230.245	93	243.186
0.1416	42.07	1.2	61.907	30	231.562	94	243.186
0.15	42.305	1.4	63.234	31	233.035	95	243.263
0.1583	42.148	1.6	40.82	32	234.12	96	243.263
0.1666	42.851	1.8	41.758	33	235.437	97	243.341
0.175	42.461	2	46.054	34	236.6	98	243.418
0.1833	41.836	2.2	50.116	35	237.452	99	243.418
0.1916	42.305	2.4	54.177	36	238.072	100	243.341
0.2	43.008	2.6	58.16	37	238.925	101	243.341
0.2083	43.008	2.8	62.297	38	239.622	102	243.341
0.2166	43.164	3	66.122	39	239.932	103	243.341
0.225	43.711	3.2	69.79	40	240.397	104	243.418
0.2333	43.633	3.4	73.614	41	240.862	105	243.341
0.2416	43.476	3.6	77.281	42	241.172	106	243.418
0.25	43.867	3.8	81.025	43	241.636	107	243.341
0.2583	44.18	4	84.457	44	241.869	108	243.263
0.2666	44.18	4.2	87.421	45	242.179	109	243.263
0.275	44.336	4.4	90.54	46	242.489	110	243.031
0.2833	44.648	4.6	93.658	47	242.644	111	243.186
0.2916	44.805	4.8	96.465	48	242.799	112	243.186
0.3	44.883	5	98.959	49	242.799	113	243.108
0.3083	45.039	5.2	101.375	50	242.954	114	243.186
0.3166	45.273	5.4	103.713	51	243.108	115	243.186
0.325	45.351	5.6	106.207	52	243.263	116	243.186
0.3333	45.508	5.8	108.389	53	243.418	117	243.108
0.35	45.898	6	110.648	54	243.341	118	243.108
0.3666	46.289	6.2	112.907	55	243.263	119	243.108
0.3833	46.445	6.4	115.088	56	243.263	120	242.954
0.4	46.914	6.6	117.113	57	243.341	121	243.108
0.4166	47.07	6.8	119.06	58	243.418	122	243.186
0.4333	47.539	7	121.007	59	243.341	123	243.108
0.45	47.851	7.2	122.954	60	243.263	124	243.186
0.4666	48.164	7.4	124.901	61	243.418	125	243.108
0.4833	48.398	7.6	126.847	62	243.496	126	243.031
0.5	48.71	7.8	128.638	63	243.573	127	242.954
0.5166	49.101	8	130.506	64	243.573	128	243.031
0.5333	49.335	8.2	132.218	65	243.573	129	242.954
0.55	49.648	8.4	133.931	66	243.651	130	242.876
0.5666	49.96	8.6	135.643	67	243.573	131	243.031
0.5833	50.272	8.8	137.355	68	243.651	132	243.031
0.6	50.585	9	139.145	69	243.728	133	243.031
0.6166	50.975	9.2	140.701	70	243.651	134	243.031
0.6333	51.288	9.4	142.335	71	243.573	135	243.108
0.65	51.522	9.6	143.891	72	243.651	136	242.954
0.6666	51.834	9.8	145.602	73	243.651	137	243.031
0.6833	52.225	10	147.236	74	243.651	138	243.108
0.7	52.537	11	155.247	75	243.573	139	243.108
0.7166	52.772	12	162.71	76	243.573	140	242.954
141	243.031	205	242.876				
142	243.108	206	242.876				
143	243.031	207	242.876				
144	243.031	208	242.954				

BCNRWWTP  
IW6  
1791 - 1805  
DRAWDOWN

145	243.108	209	242.954
146	243.031	210	242.876
147	243.031	211	243.031
148	243.031	212	242.954
149	242.954	213	242.954
150	242.954	214	242.954
151	242.954	215	242.954
152	243.031	216	243.031
153	243.031	217	242.954
154	243.031	218	242.954
155	243.031	219	242.876
156	243.031	220	242.954
157	243.031	221	242.876
158	243.108	222	242.799
159	243.186	223	242.876
160	242.876	224	242.876
161	243.031	225	242.954
162	243.031	226	242.954
163	242.954	227	243.031
164	242.954	228	243.031
165	242.954	229	243.031
166	242.876	230	242.954
167	242.876	231	243.031
168	242.876	232	243.031
169	242.876	233	242.876
170	242.799	234	242.954
171	242.954	235	242.954
172	242.954	236	242.876
173	242.954	237	242.876
174	242.954	238	242.876
175	242.954	239	242.799
176	242.954	240	242.799
177	243.031	241	242.721
178	243.031		
179	242.954		
180	242.876		
181	242.799		
182	242.799		
183	242.799		
184	242.799		
185	242.721		
186	242.721		
187	242.799		
188	242.799		
189	242.876		
190	242.954		
191	242.799		
192	243.031		
193	242.954		
194	242.954		
195	242.954		
196	243.031		
197	242.954		
198	242.954		
199	243.108		
200	242.876		
201	242.876		
202	242.876		
203	242.876		
204	242.876		

**BCNRWWTP  
IW6  
1791 - 1805  
RECOVERY**

0	242.721	0.7333	239.389	13	185.709	77	42.93
0.0083	242.721	0.75	239.312	14	181.748	78	41.836
0.0166	242.721	0.7666	239.235	15	177.864	79	40.82
0.025	242.721	0.7833	239.157	16	174.135	80	39.726
0.0333	242.721	0.8	239.08	17	170.483	81	38.71
0.0416	242.721	0.8166	239.002	18	166.986	82	37.773
0.05	242.721	0.8333	238.925	19	163.332	83	36.835
0.0583	242.721	0.85	238.847	20	159.834	84	35.897
0.0666	242.721	0.8666	238.77	21	156.491	85	34.959
0.075	242.566	0.8833	238.692	22	153.147	86	34.1
0.0833	243.728	0.9	238.615	23	149.958	87	33.24
0.0916	242.334	0.9166	238.537	24	146.769	88	32.458
0.1	242.256	0.9333	238.46	25	143.657	89	31.599
0.1083	242.411	0.95	238.382	26	140.857	90	30.817
0.1166	242.566	0.9666	238.305	27	138.055	91	30.035
0.125	242.566	0.9833	238.227	28	135.254	92	29.253
0.1333	242.411	1	238.072	29	132.53	93	28.55
0.1416	242.334	1.2	237.065	30	129.883	94	27.846
0.15	242.256	1.4	236.135	31	127.314	95	27.143
0.1583	242.256	1.6	235.127	32	124.823	96	26.439
0.1666	242.256	1.8	234.197	33	122.331	97	25.735
0.175	242.179	2	233.267	34	119.917	98	25.11
0.1833	242.179	2.2	232.337	35	117.503	99	24.563
0.1916	242.101	2.4	231.407	36	115.166	100	23.937
0.2	242.101	2.6	230.477	37	112.674	101	23.312
0.2083	242.024	2.8	229.547	38	110.259	102	22.764
0.2166	242.024	3	228.617	39	107.921	103	22.295
0.225	241.946	3.2	227.686	40	105.506	104	21.748
0.2333	241.946	3.4	226.756	41	103.246	105	21.279
0.2416	241.869	3.6	225.826	42	100.908	106	20.809
0.25	241.791	3.8	224.895	43	98.725	107	20.262
0.2583	241.791	4	223.965	44	96.543	108	19.871
0.2666	241.714	4.2	223.112	45	94.36	109	19.402
0.275	241.714	4.4	222.182	46	92.333	110	18.933
0.2833	241.636	4.6	221.251	47	90.228	111	18.542
0.2916	241.636	4.8	220.398	48	88.279	112	18.072
0.3	241.559	5	219.468	49	86.251	113	17.681
0.3083	241.559	5.2	218.537	50	84.379	114	17.29
0.3166	241.481	5.4	217.684	51	82.429	115	16.899
0.325	241.481	5.6	216.753	52	80.323	116	16.508
0.3333	241.404	5.8	215.9	53	78.373	117	16.117
0.35	241.327	6	215.047	54	76.423	118	15.726
0.3666	241.249	6.2	214.116	55	74.472	119	15.335
0.3833	241.172	6.4	213.263	56	72.6	120	15.022
0.4	241.094	6.6	212.409	57	70.727	121	14.631
0.4166	241.017	6.8	211.556	58	69.01	122	14.318
0.4333	240.939	7	210.625	59	67.215	123	14.005
0.45	240.784	7.2	209.772	60	65.576	124	13.692
0.4666	240.707	7.4	208.918	61	63.859	125	13.301
0.4833	240.629	7.6	208.065	62	62.297	126	13.067
0.5	240.552	7.8	207.211	63	60.736	127	12.754
0.5166	240.474	8	206.358	64	59.175	128	12.441
0.5333	240.397	8.2	205.504	65	57.691	129	12.128
0.55	240.319	8.4	204.651	66	56.286	130	11.815
0.5666	240.242	8.6	203.797	67	54.88	131	11.58
0.5833	240.164	8.8	202.944	68	53.631	132	11.267
0.6	240.087	9	202.168	69	52.381	133	11.033
0.6166	240.009	9.2	201.236	70	51.053	134	10.798
0.6333	239.932	9.4	200.46	71	49.804	135	10.485
0.65	239.854	9.6	199.606	72	48.632	136	10.25
0.6666	239.777	9.8	198.753	73	47.461	137	10.016
0.6833	239.699	10	197.976	74	46.289	138	9.781
0.7	239.622	11	193.785	75	45.117	139	9.546
0.7166	239.467	12	189.67	76	44.023	140	9.311
141	9.077						
142	8.842						
143	8.607						
144	8.451						

**BCNRWWTP  
IW6  
1791 - 1805  
RECOVERY**

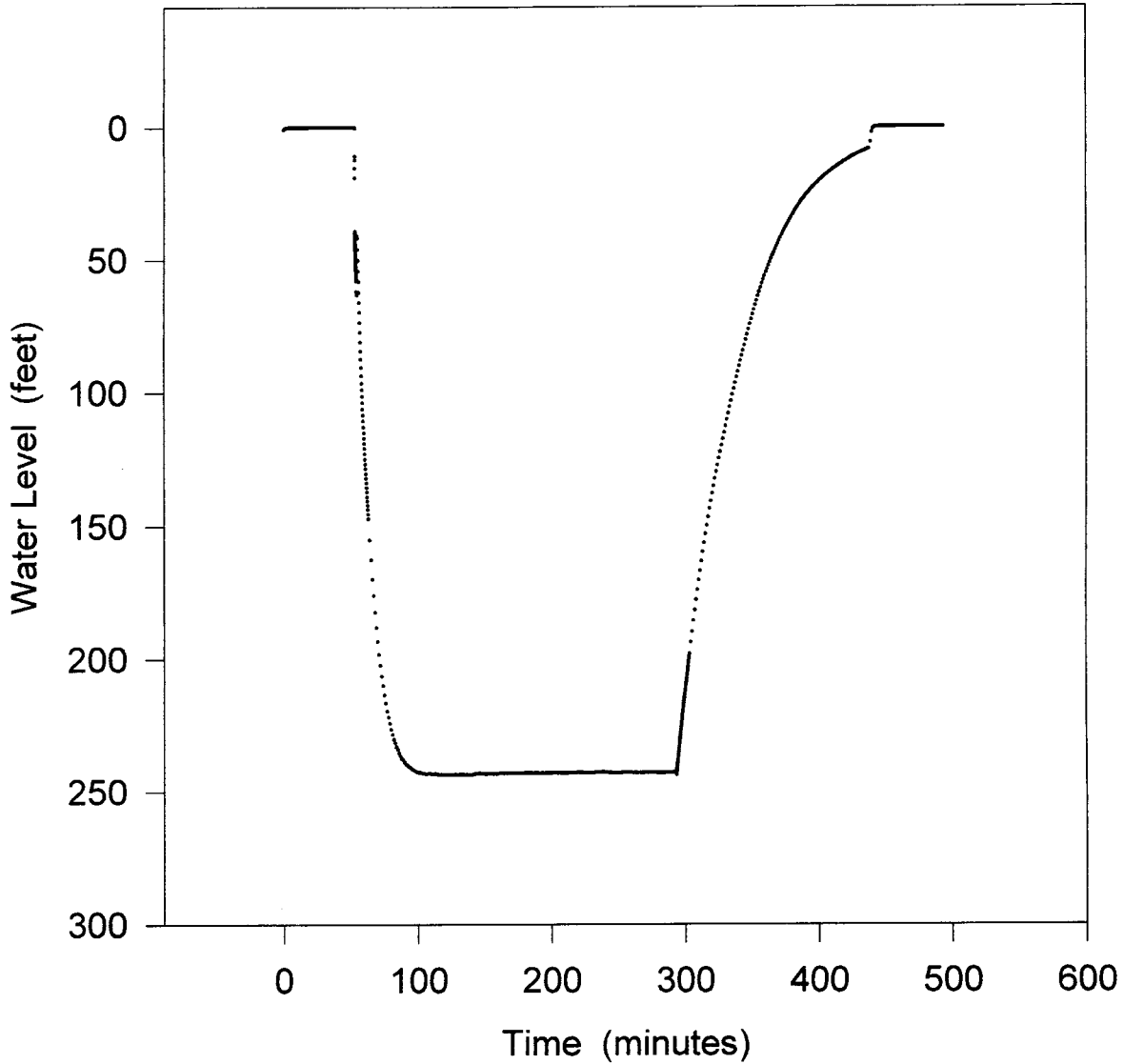
145	5.869
146	2.269
147	0.939
148	0.469
149	0.234
150	0.156
151	0.156
152	0.078
153	0.078
154	0.078
155	0.078
156	0.078
157	0.078
158	0.078
159	0.078
160	0.078
161	0.078
162	0.078
163	0.078
164	0.078
165	0.078
166	0.078
167	0
168	0
169	0
170	0
171	0
172	0
173	0
174	0
175	0
176	0
177	0
178	0
179	0
180	0
181	0
182	0
183	0
184	0
185	0
186	0
187	0
188	0
189	0
190	0
191	0
192	0
193	0
194	0
195	0
196	0
197	0
198	0
199	0
200	0

# BCNRWWTP

## IW6

1791 - 1805

### BACKGROUND, DRAWDOWN AND RECOVERY DATA



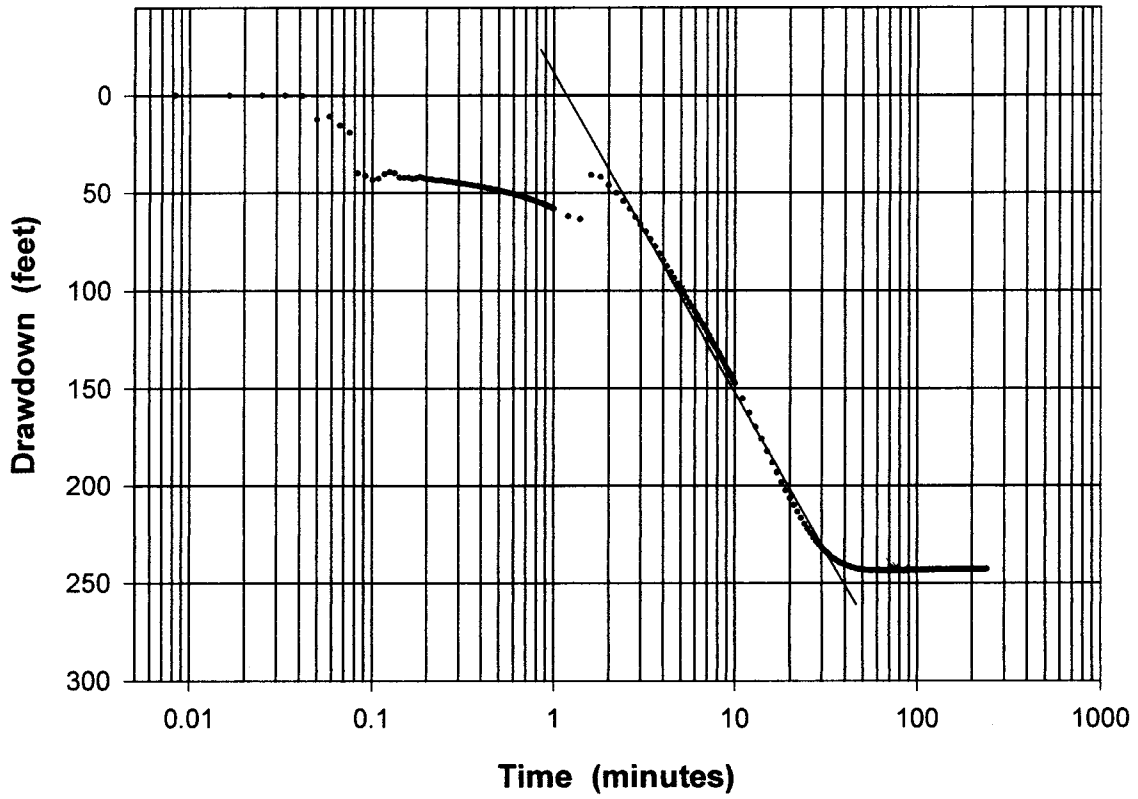


**BCNRWWTP**

**IW6**

**1791 - 1805**

**DRAWDOWN**

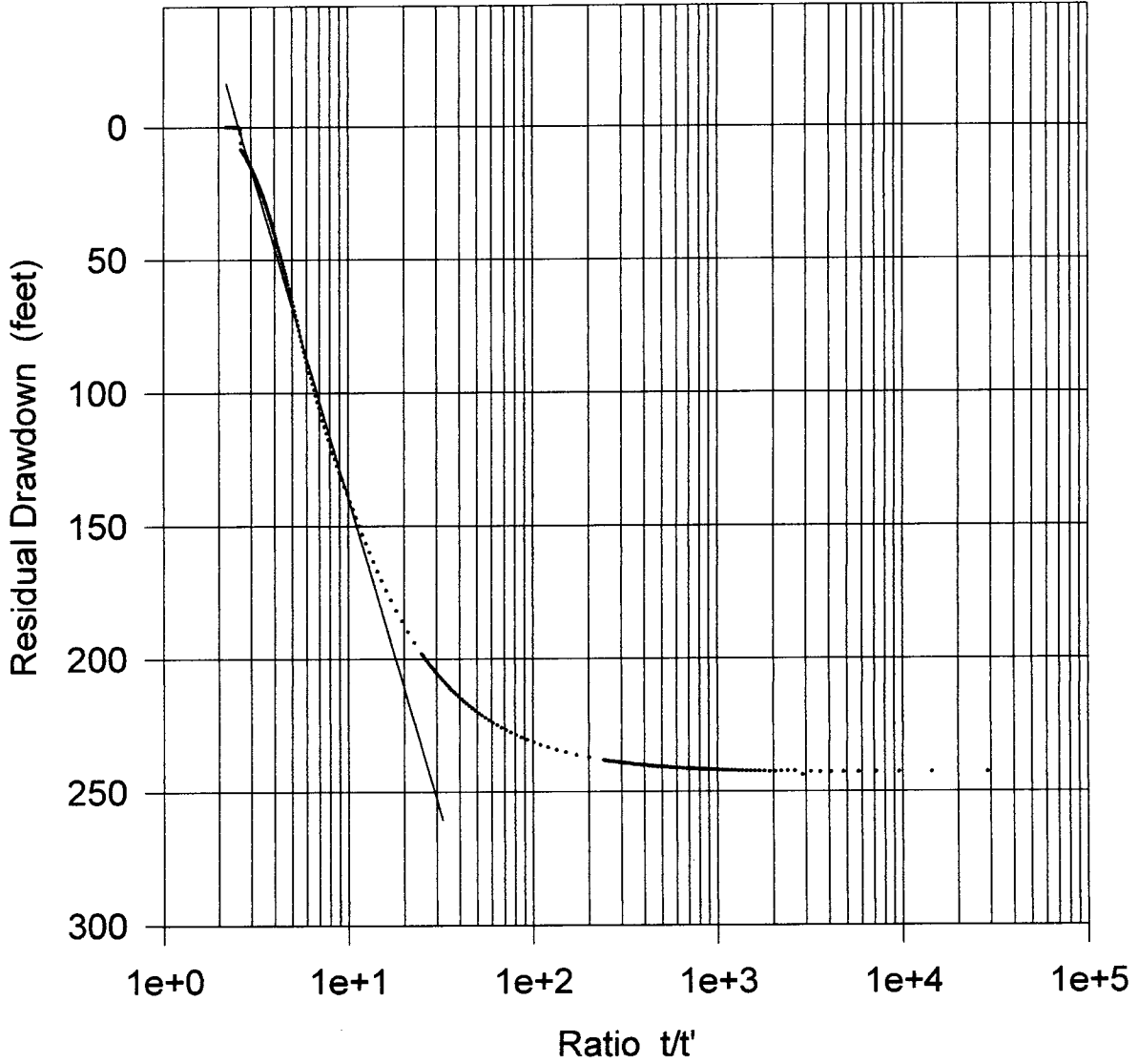


# BCNRWWTP

IW6

1791 - 1805

## RESIDUAL DRAWDOWN VS $t/t'$



# **IW6 Staddle Packer Test**

**1816 - 1830**

**BCNRWWTP  
IW6  
1816 -1830  
BACKGROUND DATA**

0	1.565	64	0.078	128	0.078	192	0
1	1.565	65	0.078	129	0.078	193	0
2	1.33	66	0.078	130	0.078	194	0
3	1.252	67	0.078	131	0.078	195	0
4	1.174	68	0.078	132	0.078	196	0
5	1.095	69	0.078	133	0.078	197	0
6	1.095	70	0.078	134	0.078	198	0
7	1.017	71	0.078	135	0.078	199	0
8	1.017	72	0.078	136	0.078	200	0
9	0.939	73	0.078	137	0.078	201	0
10	0.939	74	0.078	138	0.078	202	0
11	0.939	75	0.078	139	0.078	203	0
12	0.861	76	0.078	140	0.078	204	0
13	0.861	77	0.078	141	0.078	205	0
14	0.861	78	0.078	142	0.078	206	0
15	0.782	79	0.078	143	0	207	0
16	0.782	80	0.078	144	0.078	208	0
17	0.782	81	0.078	145	0.078	209	0
18	0.782	82	0.078	146	0.078	210	0
19	0.782	83	0.078	147	0.078		
20	0.782	84	0.078	148	0.078		
21	0.782	85	0.078	149	0.078		
22	0.782	86	0.078	150	0.078		
23	0.782	87	0.078	151	0.078		
24	0.704	88	0.078	152	0.078		
25	0.313	89	0.078	153	0.078		
26	0.235	90	0.078	154	0.078		
27	0.235	91	0.078	155	0.078		
28	0.235	92	0.078	156	0.078		
29	0.235	93	0.078	157	0.078		
30	0.156	94	0.078	158	0		
31	0.156	95	0.078	159	0.078		
32	0.156	96	0.078	160	0.078		
33	0.156	97	0.078	161	0.078		
34	0.156	98	0.078	162	0.078		
35	0.156	99	0.078	163	0.078		
36	0.156	100	0.078	164	0.078		
37	0.156	101	0.078	165	0.078		
38	0.156	102	0.078	166	0.078		
39	0.156	103	0.078	167	0.078		
40	0.156	104	0.078	168	0.078		
41	0.156	105	0.078	169	0.078		
42	0.156	106	0.078	170	0.078		
43	0.078	107	0.078	171	0.078		
44	0.078	108	0.078	172	0.078		
45	0.078	109	0.078	173	0		
46	0.156	110	0.078	174	0		
47	0.078	111	0.078	175	0		
48	0.078	112	0.078	176	0		
49	0.078	113	0.078	177	0		
50	0.078	114	0.078	178	0		
51	0.078	115	0.078	179	0		
52	0.078	116	0.078	180	0		
53	0.078	117	0.078	181	0		
54	0.078	118	0.078	182	0		
55	0.078	119	0.078	183	0		
56	0.078	120	0.078	184	0		
57	0.078	121	0.078	185	0		
58	0.078	122	0.078	186	0		
59	0.078	123	0.078	187	0		
60	0.078	124	0.078	188	0		
61	0.078	125	0.078	189	0		
62	0.078	126	0.078	190	0		
63	0.078	127	0.078	191	0		

**BCNRWWTP  
IW6  
1816 - 1830  
DRAWDOWN DATA**

0	0	0.7333	61.975	13	181.485	77	183.582
0.0083	0	0.75	62.443	14	182.572	78	183.426
0.0166	0	0.7666	60.882	15	183.349	79	183.504
0.025	0	0.7833	55.73	16	183.815	80	183.349
0.0333	0	0.8	47.765	17	184.281	81	183.116
0.0416	0	0.8166	41.204	18	184.591	82	183.116
0.05	1.173	0.8333	37.454	19	184.746	83	183.271
0.0583	2.66	0.85	36.438	20	184.436	84	183.193
0.0666	3.208	0.8666	36.985	21	183.97	85	183.349
0.075	2.816	0.8833	37.688	22	183.737	86	183.038
0.0833	2.112	0.9	38.548	23	183.815	87	183.038
0.0916	1.956	0.9166	39.251	24	184.203	88	183.116
0.1	2.347	0.9333	40.032	25	184.436	89	182.727
0.1083	2.425	0.95	40.735	26	185.057	90	182.805
0.1166	2.269	0.9666	41.673	27	185.29	91	182.65
0.125	2.034	0.9833	42.298	28	185.368	92	182.261
0.1333	2.034	1	43.001	29	185.523	93	181.718
0.1416	2.112	1.2	52.138	30	185.523	94	181.485
0.15	2.112	1.4	60.258	31	185.678	95	181.407
0.1583	2.034	1.6	67.828	32	185.989	96	181.64
0.1666	2.19	1.8	74.928	33	185.911	97	181.796
0.175	3.208	2	82.104	34	185.834	98	181.718
0.1833	40.891	2.2	89.121	35	185.989	99	181.563
0.1916	40.97	2.4	95.514	36	186.066	100	181.718
0.2	35.735	2.6	101.514	37	185.989	101	181.873
0.2083	35.422	2.8	106.735	38	185.601	102	181.796
0.2166	37.454	3	111.331	39	185.445	103	181.796
0.225	37.532	3.2	115.692	40	185.212	104	182.029
0.2333	38.313	3.4	119.975	41	185.057	105	181.873
0.2416	38.391	3.6	123.79	42	185.368	106	182.184
0.25	38.86	3.8	127.371	43	185.678	107	181.951
0.2583	38.782	4	130.796	44	185.368	108	182.184
0.2666	39.72	4.2	133.908	45	185.445	109	181.796
0.275	40.266	4.4	136.865	46	185.368	110	181.796
0.2833	40.735	4.6	139.511	47	185.445	111	181.718
0.2916	41.048	4.8	141.922	48	185.368	112	181.873
0.3	41.516	5	144.489	49	184.979	113	181.718
0.3083	42.063	5.2	146.589	50	184.591	114	181.873
0.3166	42.454	5.4	148.689	51	184.203	115	181.873
0.325	42.844	5.6	150.711	52	184.281	116	181.796
0.3333	43.313	5.8	152.577	53	184.048	117	181.873
0.35	44.094	6	154.443	54	184.048	118	181.718
0.3666	44.953	6.2	155.92	55	184.203	119	181.951
0.3833	45.656	6.4	157.631	56	183.892	120	181.718
0.4	46.515	6.6	159.108	57	183.737	121	181.951
0.4166	47.453	6.8	160.507	58	183.659	122	181.873
0.4333	48.234	7	161.984	59	184.048	123	181.873
0.45	49.015	7.2	163.227	60	184.358	124	181.796
0.4666	49.796	7.4	164.315	61	184.514	125	181.796
0.4833	50.655	7.6	165.559	62	184.669	126	181.64
0.5	51.435	7.8	166.569	63	184.902	127	181.563
0.5166	52.216	8	167.735	64	184.902	128	181.097
0.5333	52.997	8.2	168.512	65	184.669	129	180.475
0.55	53.856	8.4	169.444	66	184.824	130	180.553
0.5666	54.481	8.6	170.532	67	184.824	131	180.631
0.5833	55.261	8.8	171.231	68	184.746	132	180.786
0.6	56.042	9	172.164	69	184.824	133	180.864
0.6166	56.823	9.2	172.941	70	184.669	134	180.941
0.6333	57.525	9.4	173.64	71	184.591	135	181.019
0.65	58.306	9.6	174.261	72	184.436	136	181.33
0.6666	59.087	9.8	174.96	73	183.815	137	181.174
0.6833	59.789	10	175.427	74	183.737	138	181.33
0.7	60.57	11	178.145	75	183.582	139	181.252
0.7166	61.272	12	180.165	76	183.582	140	181.252
141	181.174	205	179.621				
142	181.485	206	179.776				
143	181.407	207	180.009				
144	181.407	208	180.009				

BCNRWWTP  
IW6  
1816 - 1830  
DRAWDOWN DATA

145	181.33	209	180.009
146	181.252	210	179.932
147	181.174	211	179.776
148	181.407	212	179.699
149	181.252	213	179.776
150	181.33	214	179.776
151	181.019	215	179.699
152	181.019	216	179.854
153	181.097	217	179.776
154	181.019	218	179.699
155	180.941	219	179.699
156	181.097	220	179.699
157	181.097	221	179.543
158	180.941	222	179.699
159	180.864	223	179.699
160	180.941	224	179.621
161	180.941	225	179.854
162	181.019	226	179.621
163	180.786	227	179.776
164	180.553	228	179.699
165	180.009	229	179.854
166	180.087	230	179.699
167	180.165	231	179.621
168	180.553	232	179.621
169	180.398	233	179.543
170	180.475	234	179.466
171	180.32	235	179.155
172	180.009	236	179
173	179.932	237	178.844
174	179.932	238	178.922
175	180.087	239	179.233
176	180.087	240	179
177	180.087		
178	179.932		
179	180.009		
180	179.854		
181	180.087		
182	180.009		
183	180.009		
184	179.776		
185	179.776		
186	179.621		
187	179.699		
188	179.543		
189	179.699		
190	179.466		
191	179.31		
192	179.621		
193	179.543		
194	179.388		
195	179.388		
196	179.543		
197	179.233		
198	179.388		
199	179.077		
200	179.077		
201	179		
202	179.155		
203	179.388		
204	179.543		

**BCNRWWTP  
IW6  
1816 - 1830  
RECOVERY DATA**

0	179.233	0.7333	141.455	13	17.757	77	-0.078
0.0083	179.155	0.75	141.067	14	15.098	78	-0.078
0.0166	179.155	0.7666	140.6	15	12.751	79	-0.078
0.025	179.31	0.7833	140.211	16	10.874	80	-0.078
0.0333	179.31	0.8	139.822	17	9.153	81	-0.078
0.0416	175.116	0.8166	139.511	18	7.824	82	-0.078
0.05	177.835	0.8333	139.122	19	6.65	83	-0.078
0.0583	177.912	0.85	138.81	20	5.633	84	-0.078
0.0666	176.747	0.8666	138.499	21	4.851	85	-0.078
0.075	175.737	0.8833	138.11	22	4.068	86	-0.078
0.0833	175.038	0.9	137.799	23	2.503	87	-0.078
0.0916	174.727	0.9166	137.41	24	2.19	88	-0.078
0.1	173.951	0.9333	137.099	25	2.034	89	-0.078
0.1083	173.174	0.95	136.71	26	1.017	90	-0.078
0.1166	172.63	0.9666	136.398	27	0.86	91	-0.078
0.125	171.853	0.9833	136.009	28	0.704	92	-0.078
0.1333	171.231	1	135.698	29	0.626	93	-0.078
0.1416	170.454	1.2	131.107	30	0.547	94	-0.078
0.15	169.833	1.4	126.904	31	0.469	95	-0.078
0.1583	169.289	1.6	122.778	32	0.469	96	-0.078
0.1666	168.512	1.8	118.807	33	0.391	97	-0.078
0.175	168.046	2	114.991	34	0.391	98	-0.078
0.1833	167.269	2.2	111.253	35	0.313	99	-0.078
0.1916	166.725	2.4	107.67	36	0.313	100	-0.078
0.2	166.103	2.6	104.164	37	0.313	101	-0.078
0.2083	165.559	2.8	100.501	38	0.234	102	-0.078
0.2166	164.937	3	96.917	39	0.234	103	-0.078
0.225	164.315	3.2	93.409	40	0.234	104	-0.078
0.2333	163.771	3.4	90.057	41	0.234	105	-0.078
0.2416	163.383	3.6	86.86	42	0.156	106	-0.078
0.25	162.683	3.8	83.741	43	0.156	107	-0.078
0.2583	162.295	4	80.7	44	0.156	108	-0.156
0.2666	161.906	4.2	77.814	45	0.156	109	-0.156
0.275	161.284	4.4	75.162	46	0.156	110	-0.078
0.2833	160.74	4.6	72.665	47	0.156	111	-0.156
0.2916	160.352	4.8	70.247	48	0.078	112	-0.078
0.3	159.807	5	67.906	49	0.078	113	-0.078
0.3083	159.419	5.2	65.643	50	0.078	114	-0.078
0.3166	158.797	5.4	63.536	51	0.078	115	-0.156
0.325	158.408	5.6	61.428	52	0.078	116	-0.078
0.3333	157.942	5.8	59.399	53	0.078	117	-0.078
0.35	157.009	6	57.447	54	0.078	118	-0.078
0.3666	155.998	6.2	55.496	55	0.078	119	-0.156
0.3833	155.221	6.4	53.7	56	0.078	120	-0.156
0.4	154.366	6.6	51.904	57	0.078	121	-0.156
0.4166	153.51	6.8	50.186	58	0.078	122	-0.156
0.4333	152.733	7	48.468	59	0	123	-0.156
0.45	151.955	7.2	46.828	60	0	124	-0.156
0.4666	151.178	7.4	45.344	61	0	125	-0.156
0.4833	150.4	7.6	43.86	62	0	126	-0.156
0.5	149.622	7.8	42.454	63	0	127	-0.156
0.5166	148.922	8	41.048	64	0	128	-0.156
0.5333	148.222	8.2	39.72	65	0	129	-0.156
0.55	147.445	8.4	38.391	66	0	130	-0.156
0.5666	146.9	8.6	37.141	67	0	131	-0.156
0.5833	146.123	8.8	35.969	68	0	132	-0.156
0.6	145.578	9	34.719	69	0	133	-0.156
0.6166	145.034	9.2	33.625	70	0	134	-0.156
0.6333	144.411	9.4	32.531	71	0	135	-0.156
0.65	143.867	9.6	31.437	72	0	136	-0.156
0.6666	143.322	9.8	30.421	73	-0.078	137	-0.156
0.6833	142.778	10	29.483	74	-0.078	138	-0.156
0.7	142.311	11	24.95	75	-0.078	139	-0.156
0.7166	141.922	12	21.041	76	-0.078	140	-0.156
141	-0.156						
142	-0.156						
143	-0.156						
144	-0.156						

BCNRWWTP  
IW6  
1816 - 1830  
RECOVERY DATA

145	-0.156
146	-0.156
147	-0.156
148	-0.156
149	-0.156
150	-0.156
151	-0.156
152	-0.156
153	-0.156
154	-0.156
155	-0.156
156	-0.156
157	-0.156
158	-0.156
159	-0.156
160	-0.156
161	-0.156
162	-0.156
163	-0.156
164	-0.156
165	-0.156
166	-0.156
167	-0.156
168	-0.156
169	-0.156
170	-0.156
171	-0.156
172	-0.156
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174	-0.156
175	-0.156
176	-0.156
177	-0.156
178	-0.156
179	-0.156

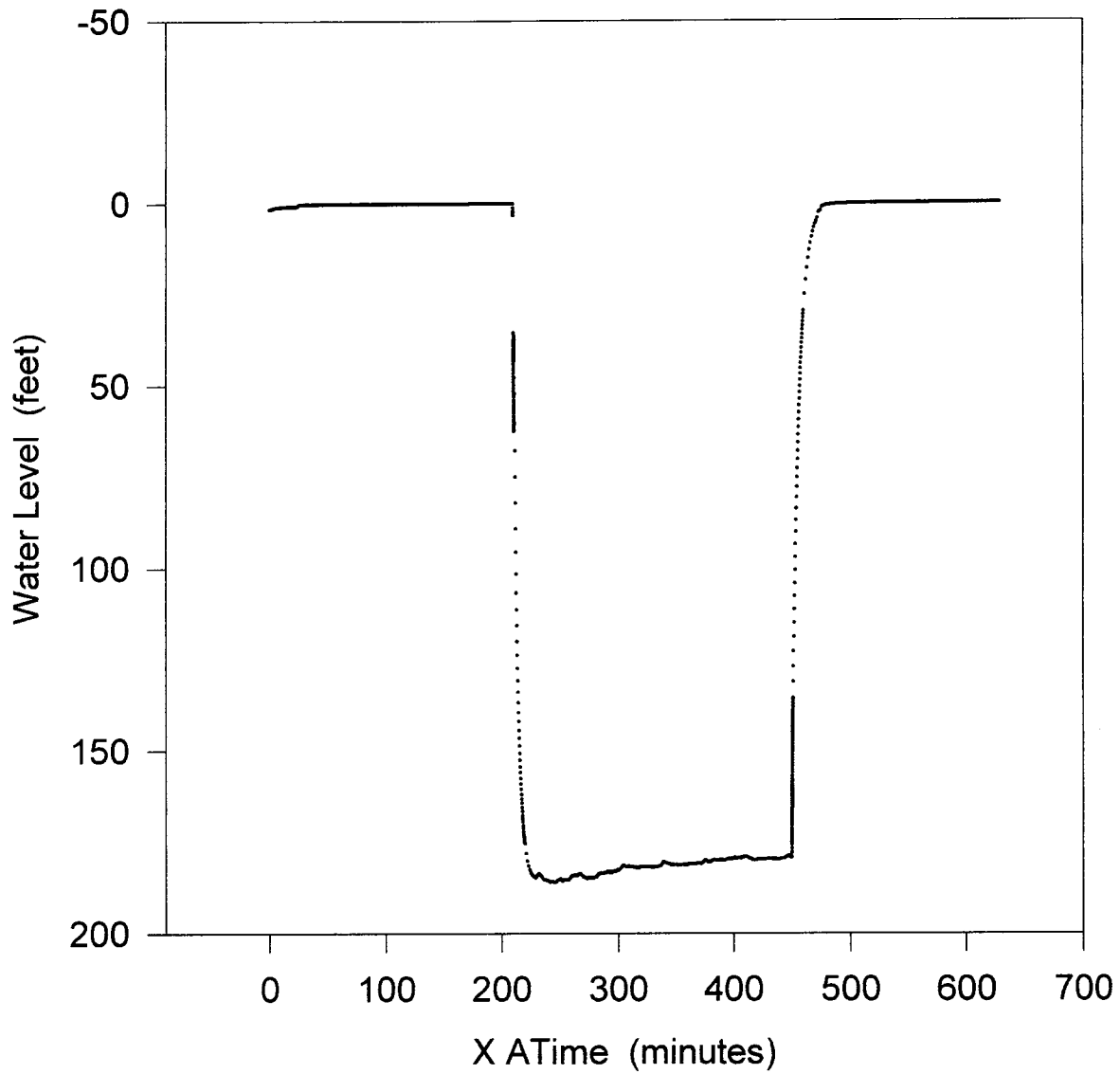


# BCMRWWTP

## IW6

1816 - 1830

### BACKGROUND, DRAWDOWN AND RECOVERY DATA

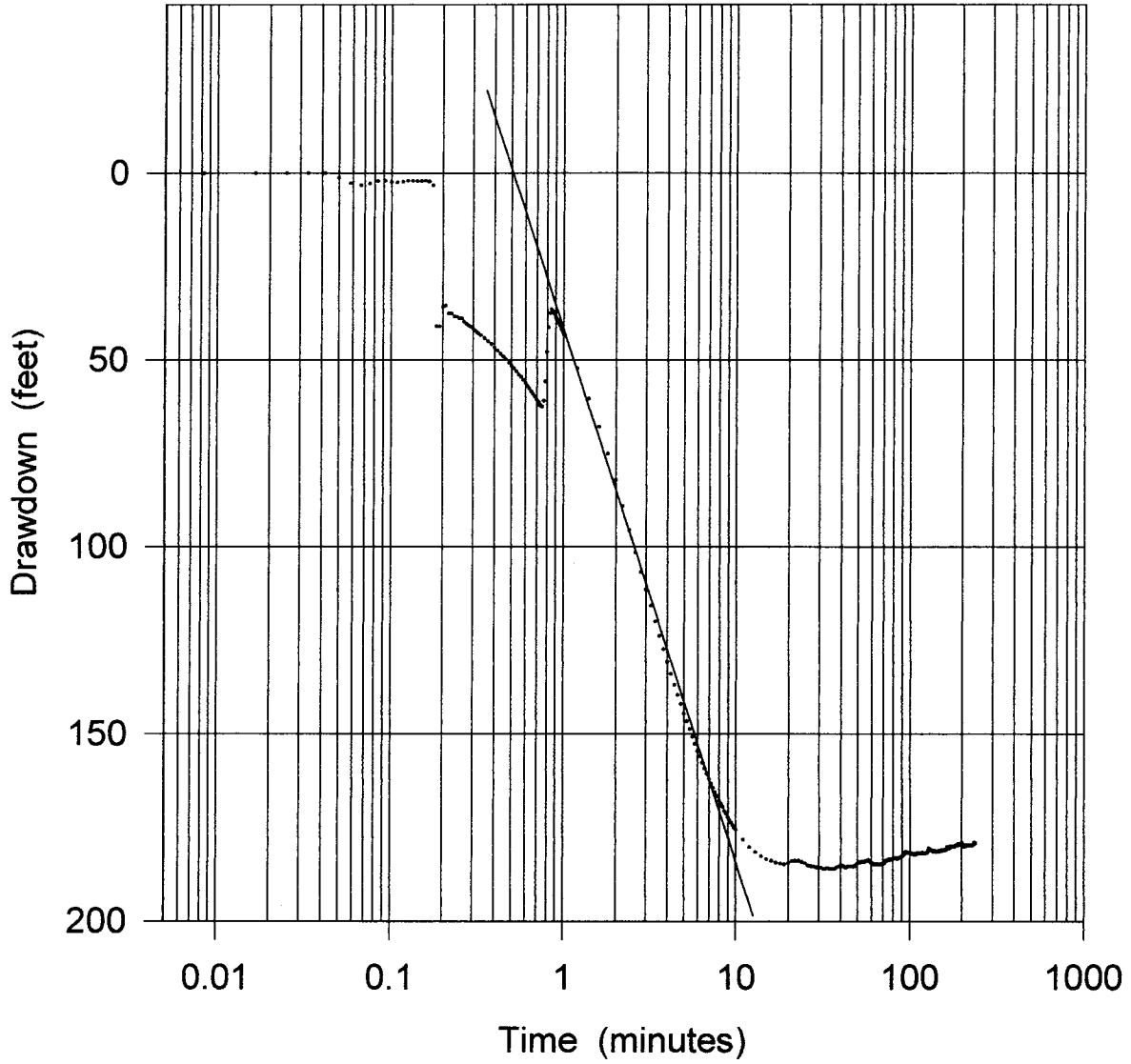


# BCNRWWTP

IW6

1816 - 1830

## DRAWDOWN

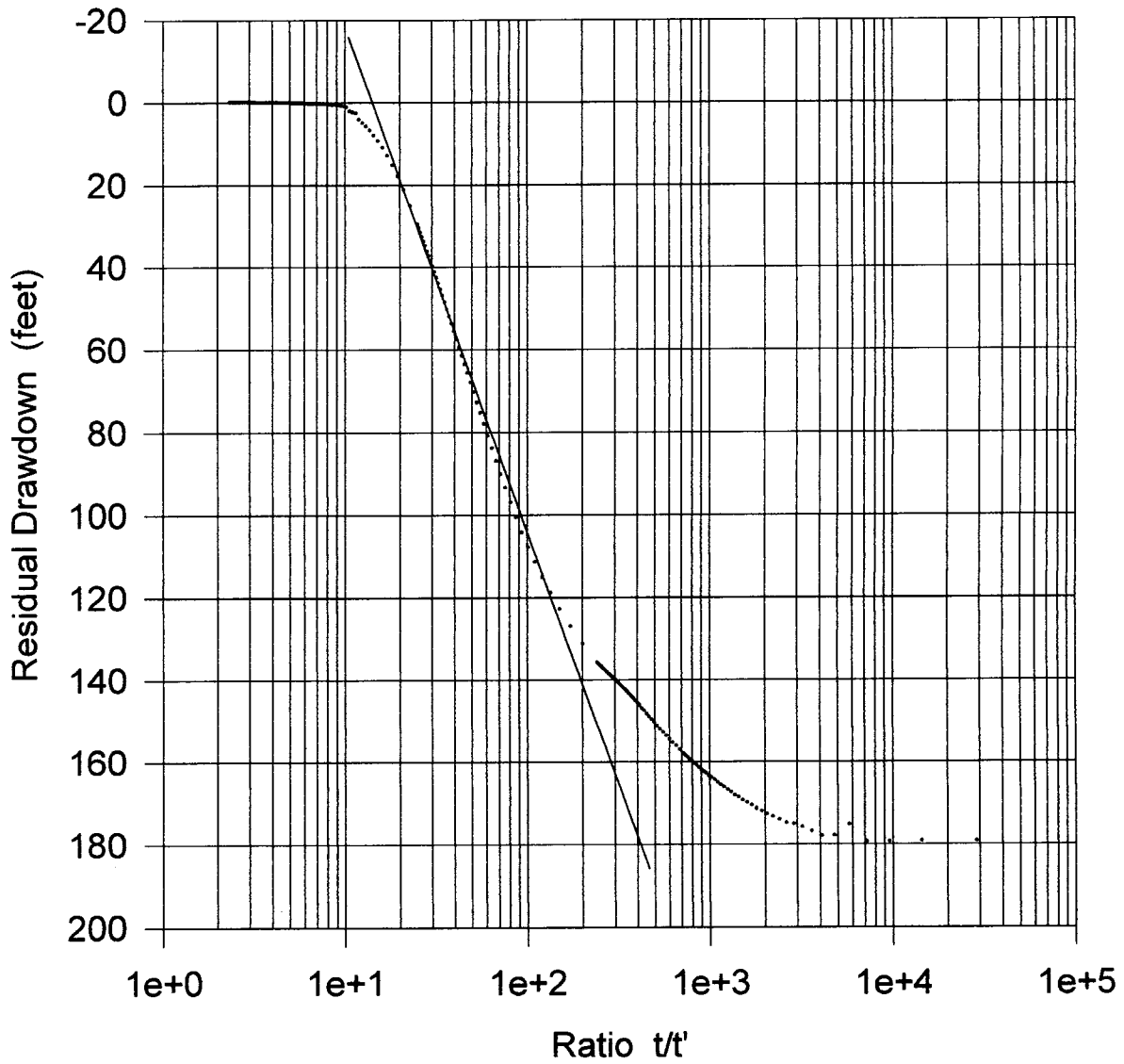


# BCNRWWTP

IW6

1816 - 1830

## RESIDUAL DRAWDOWN VS $t/t'$



# **IW6 Single Packer Test**

**1882 - 1900**

**BCNRWWTP  
IW6  
1882 - 1900  
BACKGROUND DATA**

0	0	0.7333	0	13	0	77	0.078
0.0083	0	0.75	0	14	0	78	0.078
0.0166	0	0.7666	0	15	0	79	0.078
0.025	0	0.7833	0	16	0	80	0.078
0.0333	0	0.8	0	17	0	81	0.078
0.0416	0	0.8166	0	18	0	82	0.078
0.05	0	0.8333	0	19	0	83	0.078
0.0583	0	0.85	0	20	0	84	0.078
0.0666	0	0.8666	0	21	0	85	0.078
0.075	0	0.8833	0	22	0	86	0.078
0.0833	0	0.9	0	23	0	87	0.078
0.0916	0	0.9166	0	24	0	88	0.078
0.1	0	0.9333	0	25	0	89	0.078
0.1083	0	0.95	0	26	0	90	0.078
0.1166	0	0.9666	0	27	0	91	0.078
0.125	0	0.9833	0	28	0.078	92	0.078
0.1333	0	1	0	29	0	93	0.078
0.1416	0	1.2	0	30	0	94	0.078
0.15	0	1.4	0	31	0	95	0.156
0.1583	0	1.6	0	32	0	96	0.156
0.1666	0	1.8	0	33	0.078	97	0.156
0.175	0	2	0	34	0.078	98	0.156
0.1833	0	2.2	0	35	0.078	99	0.156
0.1916	0	2.4	0	36	0	100	0.078
0.2	0	2.6	0	37	0.078	101	0.078
0.2083	0	2.8	0	38	0.078	102	0.156
0.2166	0	3	0	39	0.078	103	0.156
0.225	0	3.2	0	40	0.078	104	0.078
0.2333	0	3.4	0	41	0	105	0.078
0.2416	0	3.6	0	42	0.078	106	0.078
0.25	0	3.8	0	43	0.078	107	0.156
0.2583	0	4	0	44	0	108	0.156
0.2666	0	4.2	0	45	0.078	109	0.156
0.275	0	4.4	0	46	0.078	110	0.156
0.2833	0	4.6	0	47	0.078	111	0.156
0.2916	0	4.8	0	48	0.078	112	0.156
0.3	0	5	0	49	0.078	113	0.156
0.3083	0	5.2	0	50	0.078	114	0.156
0.3166	0	5.4	0	51	0.078	115	0.156
0.325	0	5.6	0	52	0.078	116	0.156
0.3333	0	5.8	0	53	0.078	117	0.156
0.35	0	6	0	54	0.078	118	0.156
0.3666	0	6.2	0	55	0.078		
0.3833	0	6.4	0	56	0.078		
0.4	0	6.6	0	57	0.078		
0.4166	0	6.8	0	58	0.078		
0.4333	0	7	0	59	0.078		
0.45	0	7.2	0	60	0.078		
0.4666	0	7.4	0	61	0.078		
0.4833	0	7.6	0	62	0.078		
0.5	0	7.8	0	63	0.078		
0.5166	0	8	0	64	0.078		
0.5333	0	8.2	0	65	0.078		
0.55	0	8.4	0	66	0.078		
0.5666	0	8.6	0	67	0.078		
0.5833	0	8.8	0	68	0.078		
0.6	0	9	0	69	0.078		
0.6166	0	9.2	0	70	0.078		
0.6333	0	9.4	0	71	0.078		
0.65	0	9.6	0	72	0.078		
0.6666	0	9.8	0	73	0.078		
0.6833	0	10	0	74	0.078		
0.7	0	11	0	75	0.078		
0.7166	0	12	0	76	0.078		

**BCNRWWTP  
IW6  
1882 - 1900  
DRAWDOWN DATA**

0	0	0.7333	61.975	13	181.485	77	183.582
0.0083	0	0.75	62.443	14	182.572	78	183.426
0.0166	0	0.7666	60.882	15	183.349	79	183.504
0.025	0	0.7833	55.73	16	183.815	80	183.349
0.0333	0	0.8	47.765	17	184.281	81	183.116
0.0416	0	0.8166	41.204	18	184.591	82	183.116
0.05	1.173	0.8333	37.454	19	184.746	83	183.271
0.0583	2.66	0.85	36.438	20	184.436	84	183.193
0.0666	3.208	0.8666	36.985	21	183.97	85	183.349
0.075	2.816	0.8833	37.688	22	183.737	86	183.038
0.0833	2.112	0.9	38.548	23	183.815	87	183.038
0.0916	1.956	0.9166	39.251	24	184.203	88	183.116
0.1	2.347	0.9333	40.032	25	184.436	89	182.727
0.1083	2.425	0.95	40.735	26	185.057	90	182.805
0.1166	2.269	0.9666	41.673	27	185.29	91	182.65
0.125	2.034	0.9833	42.298	28	185.368	92	182.261
0.1333	2.034	1	43.001	29	185.523	93	181.718
0.1416	2.112	1.2	52.138	30	185.523	94	181.485
0.15	2.112	1.4	60.258	31	185.678	95	181.407
0.1583	2.034	1.6	67.828	32	185.989	96	181.64
0.1666	2.19	1.8	74.928	33	185.911	97	181.796
0.175	3.208	2	82.104	34	185.834	98	181.718
0.1833	40.891	2.2	89.121	35	185.989	99	181.563
0.1916	40.97	2.4	95.514	36	186.066	100	181.718
0.2	35.735	2.6	101.514	37	185.989	101	181.873
0.2083	35.422	2.8	106.735	38	185.601	102	181.796
0.2166	37.454	3	111.331	39	185.445	103	181.796
0.225	37.532	3.2	115.692	40	185.212	104	182.029
0.2333	38.313	3.4	119.975	41	185.057	105	181.873
0.2416	38.391	3.6	123.79	42	185.368	106	182.184
0.25	38.86	3.8	127.371	43	185.678	107	181.951
0.2583	38.782	4	130.796	44	185.368	108	182.184
0.2666	39.72	4.2	133.908	45	185.445	109	181.796
0.275	40.266	4.4	136.865	46	185.368	110	181.796
0.2833	40.735	4.6	139.511	47	185.445	111	181.718
0.2916	41.048	4.8	141.922	48	185.368	112	181.873
0.3	41.516	5	144.489	49	184.979	113	181.718
0.3083	42.063	5.2	146.589	50	184.591	114	181.873
0.3166	42.454	5.4	148.689	51	184.203	115	181.873
0.325	42.844	5.6	150.711	52	184.281	116	181.796
0.3333	43.313	5.8	152.577	53	184.048	117	181.873
0.35	44.094	6	154.443	54	184.048	118	181.718
0.3666	44.953	6.2	155.92	55	184.203	119	181.951
0.3833	45.656	6.4	157.631	56	183.892	120	181.718
0.4	46.515	6.6	159.108	57	183.737	121	181.951
0.4166	47.453	6.8	160.507	58	183.659	122	181.873
0.4333	48.234	7	161.984	59	184.048	123	181.873
0.45	49.015	7.2	163.227	60	184.358	124	181.796
0.4666	49.796	7.4	164.315	61	184.514	125	181.796
0.4833	50.655	7.6	165.559	62	184.669	126	181.64
0.5	51.435	7.8	166.569	63	184.902	127	181.563
0.5166	52.216	8	167.735	64	184.902	128	181.097
0.5333	52.997	8.2	168.512	65	184.669	129	180.475
0.55	53.856	8.4	169.444	66	184.824	130	180.553
0.5666	54.481	8.6	170.532	67	184.824	131	180.631
0.5833	55.261	8.8	171.231	68	184.746	132	180.786
0.6	56.042	9	172.164	69	184.824	133	180.864
0.6166	56.823	9.2	172.941	70	184.669	134	180.941
0.6333	57.525	9.4	173.64	71	184.591	135	181.019
0.65	58.306	9.6	174.261	72	184.436	136	181.33
0.6666	59.087	9.8	174.96	73	183.815	137	181.174
0.6833	59.789	10	175.427	74	183.737	138	181.33
0.7	60.57	11	178.145	75	183.582	139	181.252
0.7166	61.272	12	180.165	76	183.582	140	181.252
141	181.174	205	179.621				
142	181.485	206	179.776				
143	181.407	207	180.009				
144	181.407	208	180.009				

BCNRWWTP  
IW6  
1882 - 1900  
DRAWDOWN DATA

145	181.33	209	180.009
146	181.252	210	179.932
147	181.174	211	179.776
148	181.407	212	179.699
149	181.252	213	179.776
150	181.33	214	179.776
151	181.019	215	179.699
152	181.019	216	179.854
153	181.097	217	179.776
154	181.019	218	179.699
155	180.941	219	179.699
156	181.097	220	179.699
157	181.097	221	179.543
158	180.941	222	179.699
159	180.864	223	179.699
160	180.941	224	179.621
161	180.941	225	179.854
162	181.019	226	179.621
163	180.786	227	179.776
164	180.553	228	179.699
165	180.009	229	179.854
166	180.087	230	179.699
167	180.165	231	179.621
168	180.553	232	179.621
169	180.398	233	179.543
170	180.475	234	179.466
171	180.32	235	179.155
172	180.009	236	179
173	179.932	237	178.844
174	179.932	238	178.922
175	180.087	239	179.233
176	180.087	240	179
177	180.087		
178	179.932		
179	180.009		
180	179.854		
181	180.087		
182	180.009		
183	180.009		
184	179.776		
185	179.776		
186	179.621		
187	179.699		
188	179.543		
189	179.699		
190	179.466		
191	179.31		
192	179.621		
193	179.543		
194	179.388		
195	179.388		
196	179.543		
197	179.233		
198	179.388		
199	179.077		
200	179.077		
201	179		
202	179.155		
203	179.388		
204	179.543		

**BCBRWWTP  
IW6  
1882 - 1900  
RECOVERY DATA**

0	217.013	0.7333	212.671	13	152.823	77	26.111
0.0083	217.013	0.75	212.594	14	148.937	78	25.33
0.0166	217.09	0.7666	212.439	15	145.128	79	24.705
0.025	217.09	0.7833	212.361	16	141.473	80	23.923
0.0333	217.09	0.8	212.284	17	137.896	81	23.298
0.0416	217.09	0.8166	212.129	18	134.474	82	22.673
0.05	217.013	0.8333	212.051	19	131.051	83	22.048
0.0583	216.78	0.85	211.974	20	127.628	84	21.422
0.0666	216.702	0.8666	211.819	21	124.36	85	20.797
0.075	216.702	0.8833	211.741	22	121.092	86	20.25
0.0833	216.625	0.9	211.664	23	117.901	87	19.703
0.0916	216.78	0.9166	211.509	24	114.787	88	19.156
0.1	216.702	0.9333	211.431	25	111.829	89	18.609
0.1083	216.702	0.95	211.354	26	108.948	90	18.14
0.1166	216.547	0.9666	211.276	27	106.067	91	17.593
0.125	216.547	0.9833	211.121	28	103.341	92	17.124
0.1333	216.47	1	210.966	29	100.615	93	16.655
0.1416	216.392	1.2	209.803	30	98.122	94	16.186
0.15	216.315	1.4	208.562	31	95.551	95	15.717
0.1583	216.315	1.6	207.399	32	93.136	96	15.326
0.1666	216.237	1.8	206.158	33	90.72	97	14.857
0.175	216.16	2	204.995	34	88.382	98	14.466
0.1833	216.16	2.2	203.754	35	86.044	99	14.075
0.1916	216.082	2.4	202.591	36	83.784	100	13.684
0.2	216.005	2.6	201.428	37	81.679	101	13.293
0.2083	216.005	2.8	200.264	38	79.496	102	12.902
0.2166	215.927	3	199.101	39	77.469	103	12.512
0.225	215.85	3.2	198.015	40	75.52	104	12.199
0.2333	215.85	3.4	196.851	41	73.493	105	11.886
0.2416	215.772	3.6	195.765	42	71.621	106	11.495
0.25	215.695	3.8	194.601	43	69.749	107	11.182
0.2583	215.695	4	193.515	44	67.877	108	10.87
0.2666	215.617	4.2	192.351	45	65.927	109	10.557
0.275	215.617	4.4	191.342	46	63.977	110	10.322
0.2833	215.54	4.6	190.256	47	62.105	111	10.01
0.2916	215.462	4.8	189.247	48	60.232	112	9.775
0.3	215.385	5	188.238	49	58.437	113	9.462
0.3083	215.385	5.2	187.307	50	56.721	114	9.228
0.3166	215.307	5.4	186.298	51	55.004	115	8.993
0.325	215.23	5.6	185.289	52	53.365	116	8.759
0.3333	215.152	5.8	184.358	53	51.804	117	8.524
0.35	215.075	6	183.349	54	50.243	118	8.289
0.3666	214.997	6.2	182.417	55	48.682	119	8.055
0.3833	214.92	6.4	181.408	56	47.276	120	7.82
0.4	214.765	6.6	180.476	57	45.871	121	7.586
0.4166	214.687	6.8	179.545	58	44.466	122	7.351
0.4333	214.61	7	178.535	59	43.139	123	7.117
0.45	214.455	7.2	177.681	60	41.889	124	6.882
0.4666	214.377	7.4	176.75	61	40.64	125	6.726
0.4833	214.222	7.6	175.818	62	39.469	126	6.569
0.5	214.144	7.8	174.886	63	38.375	127	6.413
0.5166	214.067	8	173.954	64	37.282	128	6.178
0.5333	213.912	8.2	173.023	65	36.345	129	6.1
0.55	213.834	8.4	172.168	66	35.329	130	5.865
0.5666	213.757	8.6	171.236	67	34.392	131	5.709
0.5833	213.602	8.8	170.382	68	33.455	132	5.553
0.6	213.524	9	169.45	69	32.595	133	5.396
0.6166	213.447	9.2	168.596	70	31.658	134	5.24
0.6333	213.292	9.4	167.741	71	30.799	135	5.162
0.65	213.214	9.6	166.809	72	29.939	136	5.005
0.6666	213.059	9.8	165.955	73	29.158	137	4.849
0.6833	212.982	10	165.178	74	28.377	138	4.692
0.7	212.904	11	160.905	75	27.596	139	4.536
0.7166	212.749	12	156.787	76	26.814	140	4.458
141	4.301	205	0.703	269	0		
142	4.223	206	0.703	270	0		
143	4.067	207	0.625	271	0		
144	3.988	208	0.625	272	0		



**BCBRWWTP  
IW6  
1882 - 1900  
RECOVERY DATA**

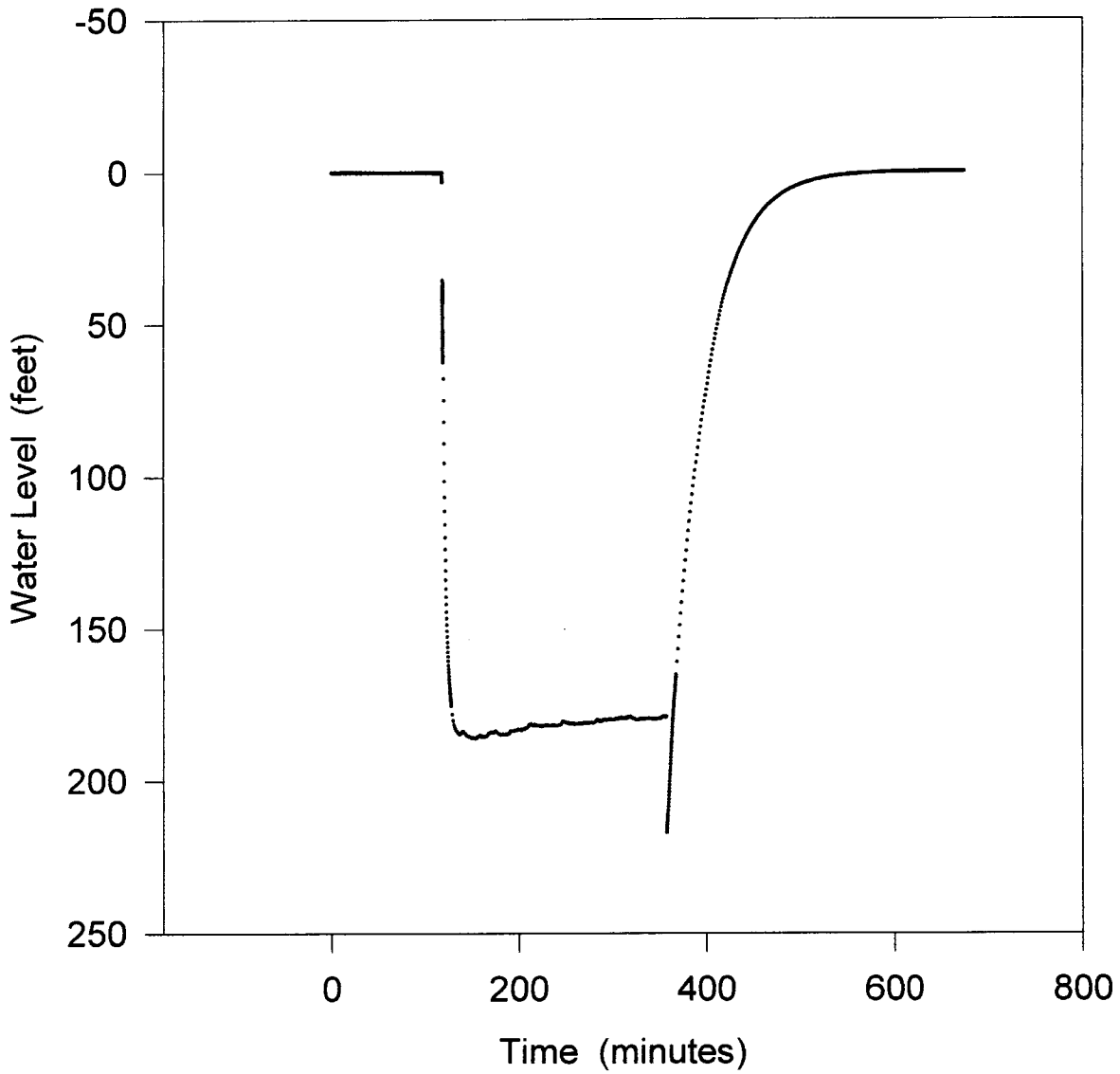
145	3.832	209	0.625	273	0
146	3.754	210	0.547	274	0
147	3.676	211	0.547	275	0
148	3.519	212	0.547	276	0
149	3.441	213	0.547	277	0
150	3.363	214	0.469	278	0
151	3.285	215	0.469	279	0
152	3.206	216	0.469	280	0
153	3.128	217	0.469	281	0
154	3.05	218	0.469	282	0
155	2.972	219	0.391	283	0
156	2.815	220	0.391	284	0
157	2.737	221	0.391	285	0
158	2.659	222	0.391	286	0
159	2.581	223	0.391	287	0
160	2.581	224	0.391	288	0
161	2.502	225	0.312	289	0
162	2.424	226	0.312	290	0
163	2.346	227	0.312	291	0
164	2.268	228	0.312	292	0
165	2.19	229	0.312	293	-0.078
166	2.111	230	0.312	294	0
167	2.033	231	0.312	295	0
168	1.955	232	0.234	296	0
169	1.955	233	0.234	297	0
170	1.877	234	0.234	298	0
171	1.799	235	0.234	299	0
172	1.799	236	0.234	300	-0.078
173	1.72	237	0.234	301	0
174	1.72	238	0.234	302	0
175	1.642	239	0.234	303	0
176	1.642	240	0.156	304	0
177	1.564	241	0.156	305	0
178	1.486	242	0.156	306	0
179	1.486	243	0.156	307	0
180	1.407	244	0.156	308	-0.078
181	1.407	245	0.156	309	0
182	1.329	246	0.156	310	0
183	1.329	247	0.156	311	0
184	1.251	248	0.156	312	0
185	1.251	249	0.156	313	0
186	1.251	250	0.078	314	-0.078
187	1.173	251	0.078	315	0
188	1.173	252	0.078	316	0
189	1.095	253	0.078	317	-0.078
190	1.095	254	0.078		
191	1.016	255	0.078		
192	0.938	256	0.078		
193	1.016	257	0.078		
194	0.938	258	0.078		
195	0.938	259	0.078		
196	0.86	260	0.078		
197	0.86	261	0.078		
198	0.86	262	0.078		
199	0.86	263	0.078		
200	0.782	264	0		
201	0.782	265	0.078		
202	0.782	266	0.078		
203	0.703	267	0.078		
204	0.703	268	0.078		

# BCNRWWTP

## IW6

1882 - 1900

### BACKGROUND, DRAWDOWN AND RECOVERY DATA

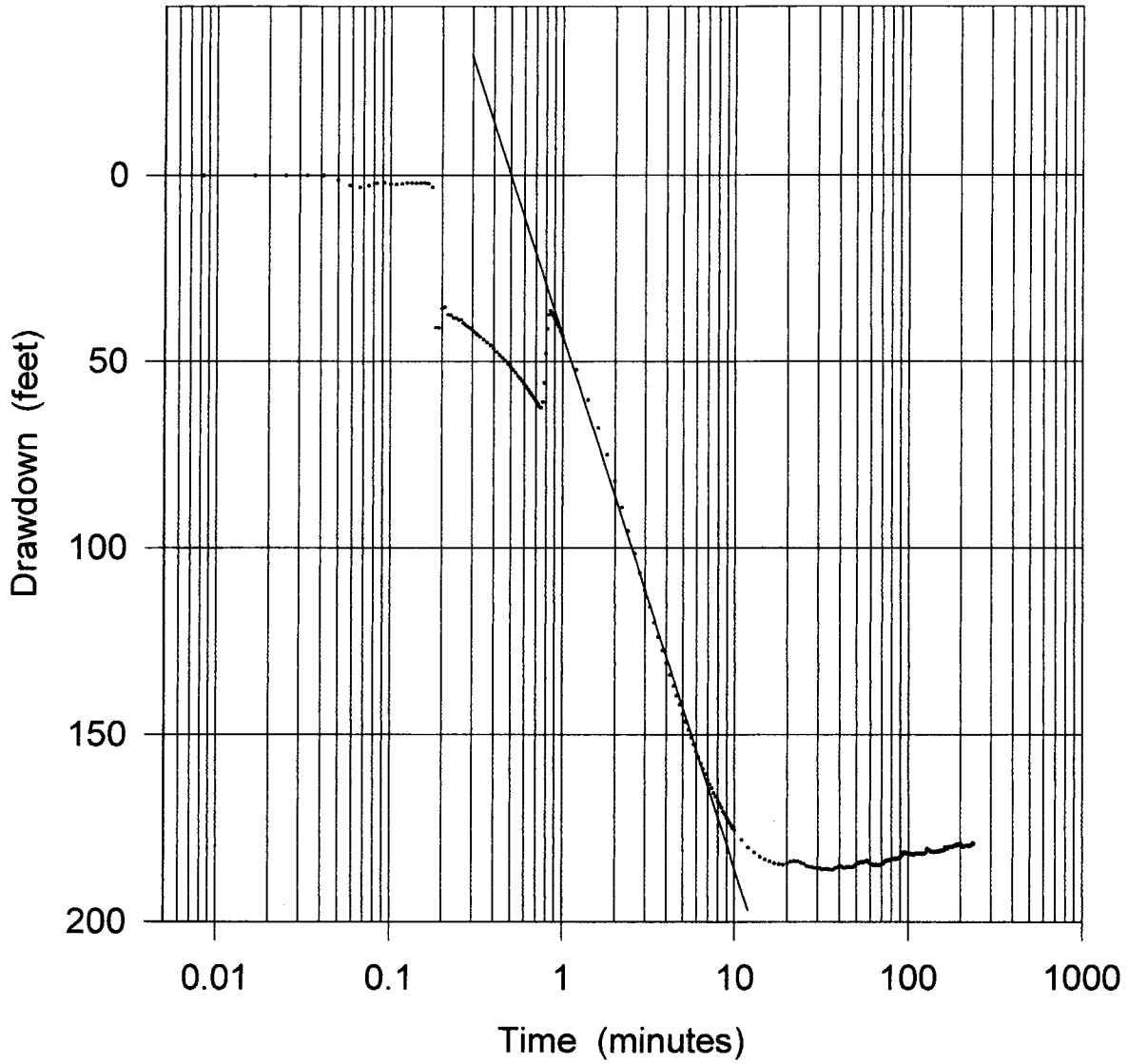


# BCNRWWTP

## IW6

### 1882 - 1900

## DRAWDOWN

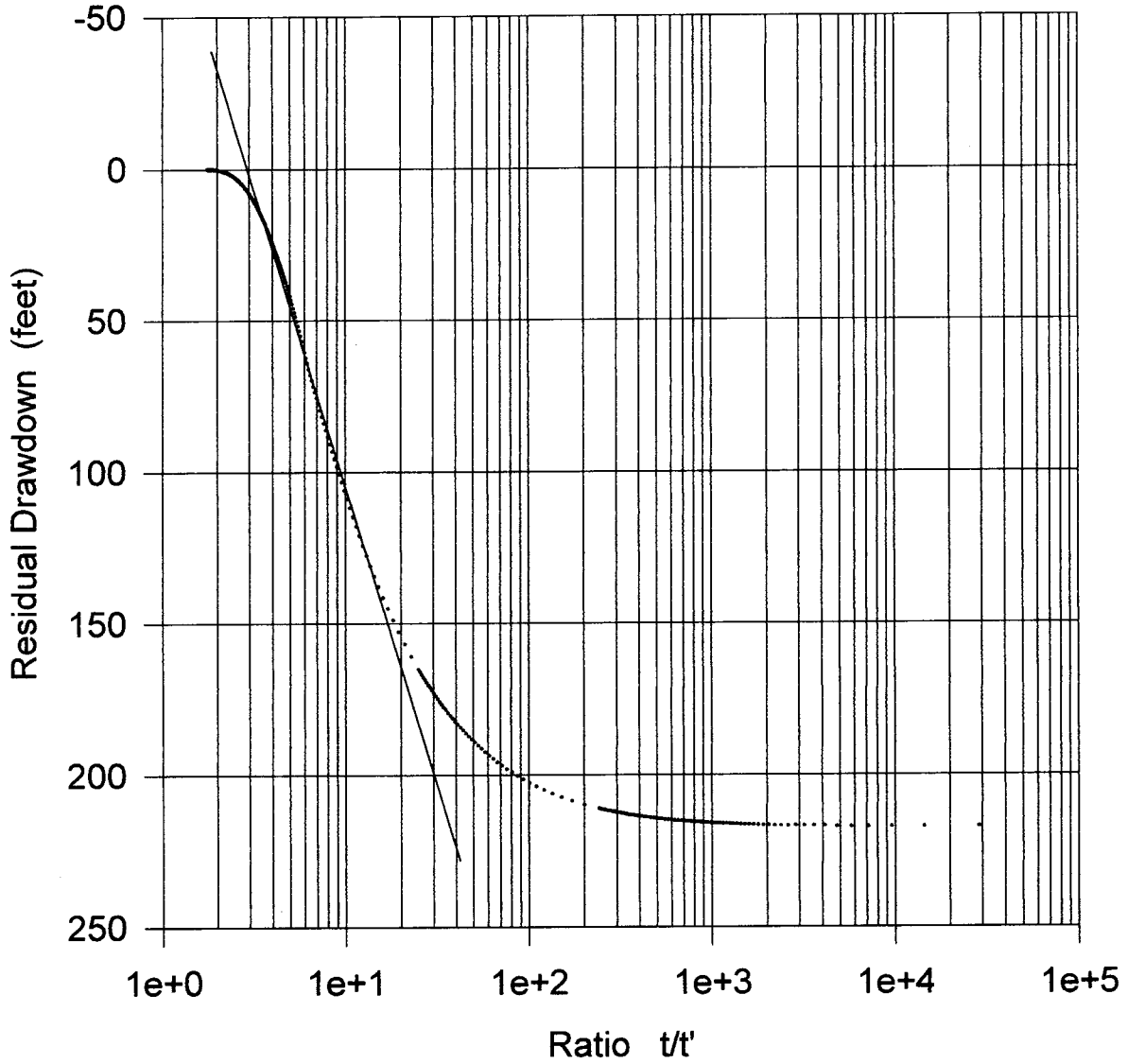


# BCNRWWTP

IW6

1882 - 1900

## RESIDUAL DRAWDOWN VS $t/t'$



# **IW6 Single Packer Test**

**1920 - 1960**

BCNRWWTP  
IW 6  
1920 - 1960  
BACKGROUND DATA

0	0	0.4833	0	4.6	0
0.0083	0	0.5	0	4.8	0
0.0166	0	0.5166	0	5	0
0.025	0	0.5333	0	5.2	0
0.0333	0	0.55	0	5.4	0
0.0416	0	0.5666	0	5.6	0
0.05	0	0.5833	0	5.8	0
0.0583	0	0.6	0	6	0
0.0666	0	0.6166	0	6.2	0
0.075	0	0.6333	0	6.4	0
0.0833	0	0.65	0	6.6	0
0.0916	0	0.6666	0	6.8	0
0.1	0	0.6833	0	7	0
0.1083	0	0.7	0	7.2	0
0.1166	0	0.7166	0	7.4	0
0.125	0	0.7333	0	7.6	0
0.1333	0	0.75	0	7.8	0
0.1416	0	0.7666	0	8	0
0.15	0	0.7833	0	8.2	0
0.1583	0	0.8	0	8.4	0
0.1666	0	0.8166	0	8.6	0
0.175	0	0.8333	0	8.8	0
0.1833	0	0.85	0		
0.1916	0	0.8666	0		
0.2	0	0.8833	0		
0.2083	0	0.9	0		
0.2166	0	0.9166	0		
0.225	0	0.9333	0		
0.2333	0	0.95	0		
0.2416	0	0.9666	0		
0.25	0	0.9833	0		
0.2583	0	1	0		
0.2666	0	1.2	0		
0.275	0	1.4	0		
0.2833	0	1.6	0		
0.2916	0	1.8	0		
0.3	0	2	0		
0.3083	0	2.2	0		
0.3166	0	2.4	0		
0.325	0	2.6	0		
0.3333	0	2.8	0		
0.35	0	3	0		
0.3666	0	3.2	0		
0.3833	0	3.4	0		
0.4	0	3.6	0		
0.4166	0	3.8	0		
0.4333	0	4	0		
0.45	0	4.2	0		
0.4666	0	4.4	0		

BCNRWWTP  
IW 6  
1920 - 1960  
DRAWDOWN DATA

0	0	0.7833	34.002	19	197.55	86	199.024	153	200.731
0.0083	0	0.8	34.548	20	197.938	87	198.947	154	200.498
0.0166	0	0.8166	35.251	21	198.249	88	198.947	155	200.653
0.025	0	0.8333	35.954	22	198.559	89	198.636	156	200.498
0.0333	0	0.85	36.657	23	198.636	90	198.636	157	200.421
0.0416	0	0.8666	37.36	24	198.792	91	198.559	158	200.421
0.05	16.577	0.8833	38.063	25	199.024	92	198.481	159	200.498
0.0583	-0.234	0.9	38.688	26	199.257	93	198.481	160	200.498
0.0666	-3.833	0.9166	39.313	27	199.257	94	198.714	161	200.265
0.075	2.737	0.9333	40.015	28	199.179	95	198.171	162	200.188
0.0833	2.659	0.95	40.64	29	199.412	96	198.404	163	200.11
0.0916	2.033	0.9666	41.265	30	199.257	97	198.326	164	200.11
0.1	2.737	0.9833	41.89	31	199.412	98	198.404	165	200.421
0.1083	4.301	1	42.514	32	199.179	99	198.093	166	200.421
0.1166	3.597	1.2	49.775	33	199.102	100	198.326	167	200.343
0.125	3.988	1.4	56.877	34	199.024	101	198.326	168	200.653
0.1333	4.927	1.6	64.055	35	198.559	102	198.481	169	200.343
0.1416	5.083	1.8	70.374	36	198.559	103	198.714	170	200.265
0.15	5.631	2	76.534	37	198.792	104	198.714	171	200.11
0.1583	5.944	2.2	82.615	38	199.024	105	198.869	172	200.188
0.1666	6.335	2.4	88.461	39	198.869	106	198.947	173	200.11
0.175	6.882	2.6	93.916	40	199.179	107	199.024	174	200.265
0.1833	7.038	2.8	99.369	41	199.257	108	198.792	175	200.343
0.1916	7.664	3	104.743	42	199.722	109	198.947	176	200.188
0.2	8.055	3.2	109.338	43	199.335	110	198.869	177	200.188
0.2083	8.602	3.4	114.321	44	199.412	111	199.024	178	200.11
0.2166	8.915	3.6	118.213	45	199.645	112	199.179	179	200.033
0.225	9.306	3.8	122.493	46	199.567	113	199.102	180	200.265
0.2333	9.697	4	126.151	47	199.567	114	199.49	181	200.11
0.2416	10.088	4.2	129.963	48	199.567	115	199.8	182	200.343
0.25	10.322	4.4	133.464	49	199.49	116	200.033	183	200.343
0.2583	10.87	4.6	136.73	50	199.49	117	200.188	184	200.653
0.2666	11.339	4.8	139.841	51	199.645	118	200.343	185	200.808
0.275	11.573	5	143.029	52	199.878	119	200.188	186	200.964
0.2833	11.964	5.2	145.751	53	200.11	120	199.955	187	201.119
0.2916	12.746	5.4	148.316	54	199.955	121	199.567	188	200.886
0.3	12.981	5.6	150.959	55	199.8	122	200.265	189	201.274
0.3083	13.215	5.8	153.291	56	199.8	123	200.343	190	201.506
0.3166	13.606	6	155.545	57	199.645	124	200.421	191	201.506
0.325	14.232	6.2	157.643	58	199.955	125	200.653	192	201.429
0.3333	14.31	6.4	159.585	59	199.878	126	200.886	193	201.584
0.35	15.326	6.6	161.605	60	199.878	127	200.653	194	201.506
0.3666	15.951	6.8	163.47	61	199.645	128	200.653	195	201.506
0.3833	16.811	7	165.412	62	199.412	129	200.421	196	201.196
0.4	17.515	7.2	167.199	63	199.412	130	200.731	197	201.662
0.4166	18.374	7.4	168.597	64	199.179	131	200.731	198	201.506
0.4333	19.156	7.6	170.228	65	199.412	132	200.653	199	201.429
0.45	19.781	7.8	171.703	66	199.335	133	200.653	200	201.506
0.4666	20.485	8	173.257	67	199.335	134	200.421	201	201.119
0.4833	21.344	8.2	174.266	68	198.947	135	200.11	202	201.817
0.5	21.97	8.4	175.431	69	199.024	136	200.498	203	201.119
0.5166	22.751	8.6	176.751	70	199.257	137	200.421	204	201.041
0.5333	23.611	8.8	177.76	71	199.335	138	200.498	205	200.653
0.55	24.08	9	178.77	72	199.412	139	200.421	206	200.653
0.5666	24.939	9.2	179.934	73	199.567	140	200.033	207	200.653
0.5833	25.642	9.4	180.866	74	199.257	141	200.343	208	201.041
0.6	26.189	9.6	181.797	75	199.257	142	200.421	209	201.274
0.6166	27.205	9.8	182.418	76	199.257	143	200.343	210	201.041
0.6333	27.674	10	183.194	77	199.257	144	200.421	211	201.662
0.65	28.611	11	186.998	78	199.257	145	200.033	212	201.662
0.6666	29.236	12	189.636	79	199.335	146	200.188	213	201.584
0.6833	30.096	13	191.964	80	199.102	147	200.188	214	201.584
0.7	30.799	14	193.594	81	199.257	148	200.731	215	201.894
0.7166	31.502	15	194.68	82	199.257	149	200.343	216	201.972
0.7333	32.049	16	195.533	83	199.335	150	200.265	217	201.817
0.75	32.674	17	196.464	84	199.179	151	200.265	218	201.894
0.7666	33.377	18	197.24	85	198.947	152	200.576	219	201.584

BCNRWWTP  
IW 6  
1920 - 1960  
DRAWDOWN DATA

221	201.584
222	201.817
223	201.739
224	201.817
225	201.739
226	201.662
227	201.584
228	201.739
229	201.584
230	201.662
231	201.584
232	201.584
233	201.584
234	201.429
235	201.429
236	201.506
237	201.739
238	201.739
239	201.817
240	201.584
241	201.972
242	201.894
243	201.584
244	201.429
245	201.662



BCNRWWTP  
IW 6  
1920 -1960  
RECOVERY DATA

0	201.429	0.7833	164.247	19	8.681	86	0	153	-0.156
0.0083	201.662	0.8	163.858	20	6.96	87	0	154	-0.156
0.0166	201.506	0.8166	163.392	21	5.631	88	0	155	-0.156
0.025	201.351	0.8333	163.082	22	4.458	89	0	156	-0.156
0.0333	201.274	0.85	162.693	23	3.519	90	0	157	-0.156
0.0416	198.792	0.8666	162.382	24	2.815	91	0	158	-0.156
0.05	199.955	0.8833	161.994	25	2.19	92	0	159	-0.156
0.0583	200.421	0.9	161.605	26	1.72	93	-0.078	160	-0.156
0.0666	198.792	0.9166	161.295	27	1.329	94	-0.078	161	-0.156
0.075	198.171	0.9333	160.906	28	1.016	95	-0.078	162	-0.156
0.0833	199.335	0.95	160.595	29	0.782	96	-0.078	163	-0.156
0.0916	198.326	0.9666	160.207	30	0.625	97	-0.078	164	-0.156
0.1	197.085	0.9833	159.896	31	0.469	98	-0.078	165	-0.234
0.1083	196.775	1	159.508	32	0.391	99	-0.078	166	-0.156
0.1166	196.076	1.2	155.156	33	0.312	100	-0.078	167	-0.156
0.125	195.378	1.4	151.114	34	0.312	101	-0.078	168	-0.156
0.1333	195.068	1.6	147.228	35	0.234	102	-0.078	169	-0.156
0.1416	194.37	1.8	143.263	36	0.234	103	-0.078	170	-0.234
0.15	193.749	2	139.452	37	0.156	104	-0.078	171	-0.156
0.1583	193.361	2.2	135.719	38	0.156	105	-0.078	172	-0.156
0.1666	192.507	2.4	132.063	39	0.156	106	-0.078	173	-0.156
0.175	192.119	2.6	128.563	40	0.156	107	-0.078	174	-0.156
0.1833	191.421	2.8	125.061	41	0.156	108	-0.078	175	-0.156
0.1916	190.723	3	121.637	42	0.156	109	-0.078	176	-0.156
0.2	190.257	3.2	118.291	43	0.156	110	-0.078	177	-0.156
0.2083	189.714	3.4	115.099	44	0.156	111	-0.078	178	-0.156
0.2166	189.248	3.6	111.907	45	0.156	112	-0.078	179	-0.234
0.225	188.705	3.8	108.715	46	0.078	113	-0.078	180	-0.156
0.2333	188.162	4	105.6	47	0.078	114	-0.078	181	-0.234
0.2416	187.619	4.2	102.563	48	0.078	115	-0.156	182	-0.156
0.25	187.075	4.4	99.603	49	0.078	116	-0.078	183	-0.156
0.2583	186.532	4.6	96.72	50	0.078	117	-0.078	184	-0.234
0.2666	185.989	4.8	93.838	51	0.078	118	-0.078	185	-0.234
0.275	185.601	5	91.11	52	0.078	119	-0.078	186	-0.156
0.2833	185.135	5.2	88.461	53	0.078	120	-0.078	187	-0.234
0.2916	184.592	5.4	85.889	54	0.078	121	-0.078	188	-0.234
0.3	184.281	5.6	83.473	55	0.078	122	-0.156	189	-0.234
0.3083	183.738	5.8	81.134	56	0.078	123	-0.078	190	-0.234
0.3166	183.272	6	78.873	57	0.078	124	-0.078	191	-0.234
0.325	182.729	6.2	76.69	58	0.078	125	-0.156	192	-0.234
0.3333	182.263	6.4	74.507	59	0.078	126	-0.156	193	-0.234
0.35	181.409	6.6	72.401	60	0.078	127	-0.078	194	-0.234
0.3666	180.555	6.8	70.296	61	0.078	128	-0.156	195	-0.234
0.3833	179.779	7	68.268	62	0.078	129	-0.156	196	-0.234
0.4	178.925	7.2	66.318	63	0.078	130	-0.078	197	-0.234
0.4166	178.071	7.4	64.367	64	0.078	131	-0.078	198	-0.234
0.4333	177.372	7.6	62.495	65	0.078	132	-0.156	199	-0.234
0.45	176.44	7.8	60.623	66	0.078	133	-0.156	200	-0.234
0.4666	175.742	8	58.906	67	0.078	134	-0.156	201	-0.234
0.4833	174.965	8.2	57.111	68	0	135	-0.156	202	-0.234
0.5	174.344	8.4	55.472	69	0	136	-0.156	203	-0.234
0.5166	173.49	8.6	53.755	70	0	137	-0.156	204	-0.234
0.5333	172.868	8.8	52.195	71	0	138	-0.156	205	-0.234
0.55	172.169	9	50.633	72	0	139	-0.156	206	-0.234
0.5666	171.471	9.2	49.15	73	0	140	-0.156	207	-0.234
0.5833	170.772	9.4	47.667	74	0	141	-0.156	208	-0.234
0.6	170.15	9.6	46.262	75	0	142	-0.156	209	-0.234
0.6166	169.451	9.8	44.857	76	0	143	-0.156	210	-0.234
0.6333	168.908	10	43.607	77	0	144	-0.156	211	-0.234
0.65	168.286	11	37.282	78	0	145	-0.156	212	-0.234
0.6666	167.665	12	31.658	79	0	146	-0.156	213	-0.234
0.6833	167.121	13	26.893	80	0	147	-0.156	214	-0.234
0.7	166.655	14	22.595	81	0	148	-0.156	215	-0.234
0.7166	166.034	15	18.922	82	0	149	-0.156	216	-0.234
0.7333	165.567	16	15.717	83	0	150	-0.156	217	-0.234
0.75	165.101	17	12.981	84	0	151	-0.156	218	-0.234
0.7666	164.635	18	10.635	85	0	152	-0.156	219	-0.234
220	-0.234	287	-0.078						

BCNRWWTP  
IW 6  
1920 -1960  
RECOVERY DATA

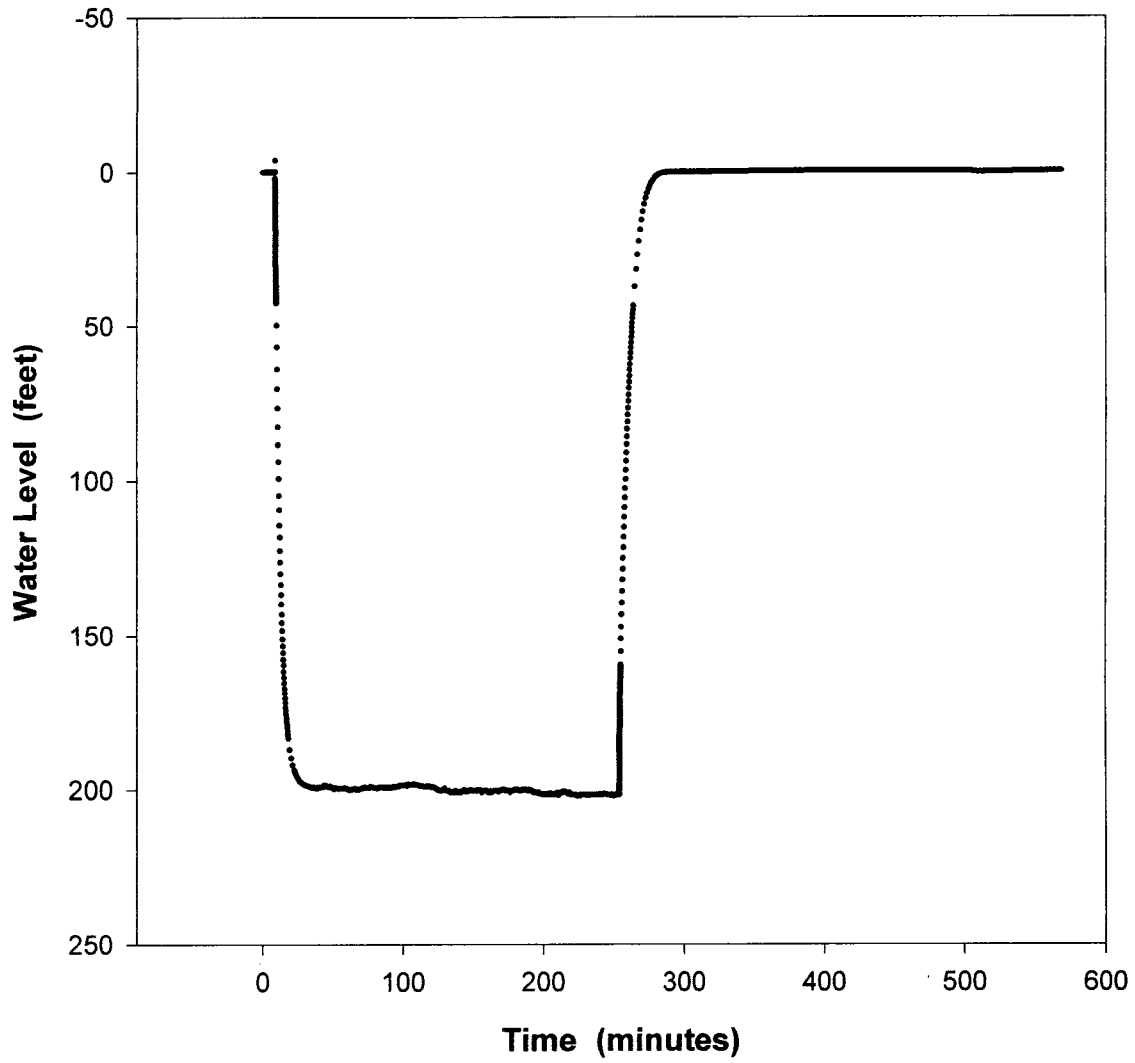
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223	-0.234	290	-0.078
224	-0.234	291	-0.078
225	-0.234	292	-0.078
226	-0.234	293	-0.078
227	-0.234	294	-0.078
228	-0.234	295	-0.078
229	-0.234	296	-0.078
230	-0.234	297	-0.078
231	-0.234	298	-0.078
232	-0.234	299	-0.078
233	-0.234	300	-0.078
234	-0.234	301	-0.156
235	-0.234	302	-0.078
236	-0.234	303	-0.078
237	-0.234	304	-0.156
238	-0.234	305	-0.078
239	-0.234	306	-0.234
240	-0.234	307	-0.234
241	-0.234	308	-0.156
242	-0.234	309	-0.234
243	-0.234	310	-0.156
244	-0.234	311	-0.156
245	-0.234	312	-0.156
246	-0.234	313	-0.234
247	-0.234	314	-0.234
248	-0.234	315	-0.234
249	-0.234		
250	-0.234		
251	-0.234		
252	-0.078		
253	0.078		
254	0.156		
255	0.156		
256	0.234		
257	0.234		
258	0.234		
259	0.234		
260	0.234		
261	0.234		
262	0.234		
263	0.156		
264	0.156		
265	0.156		
266	0.156		
267	0.156		
268	0.156		
269	0.078		
270	0.078		
271	0.078		
272	0.078		
273	0.078		
274	0.078		
275	0.078		
276	0.078		
277	0.078		
278	0		
279	0.078		
280	0		
281	0		
282	0		
283	0		
284	0		
285	0		
286	-0.078		

# BCNRWWTP

## IW6

1920 - 1960

### BACKGROUND, DRAWDOWN AND RECOVERY DATA

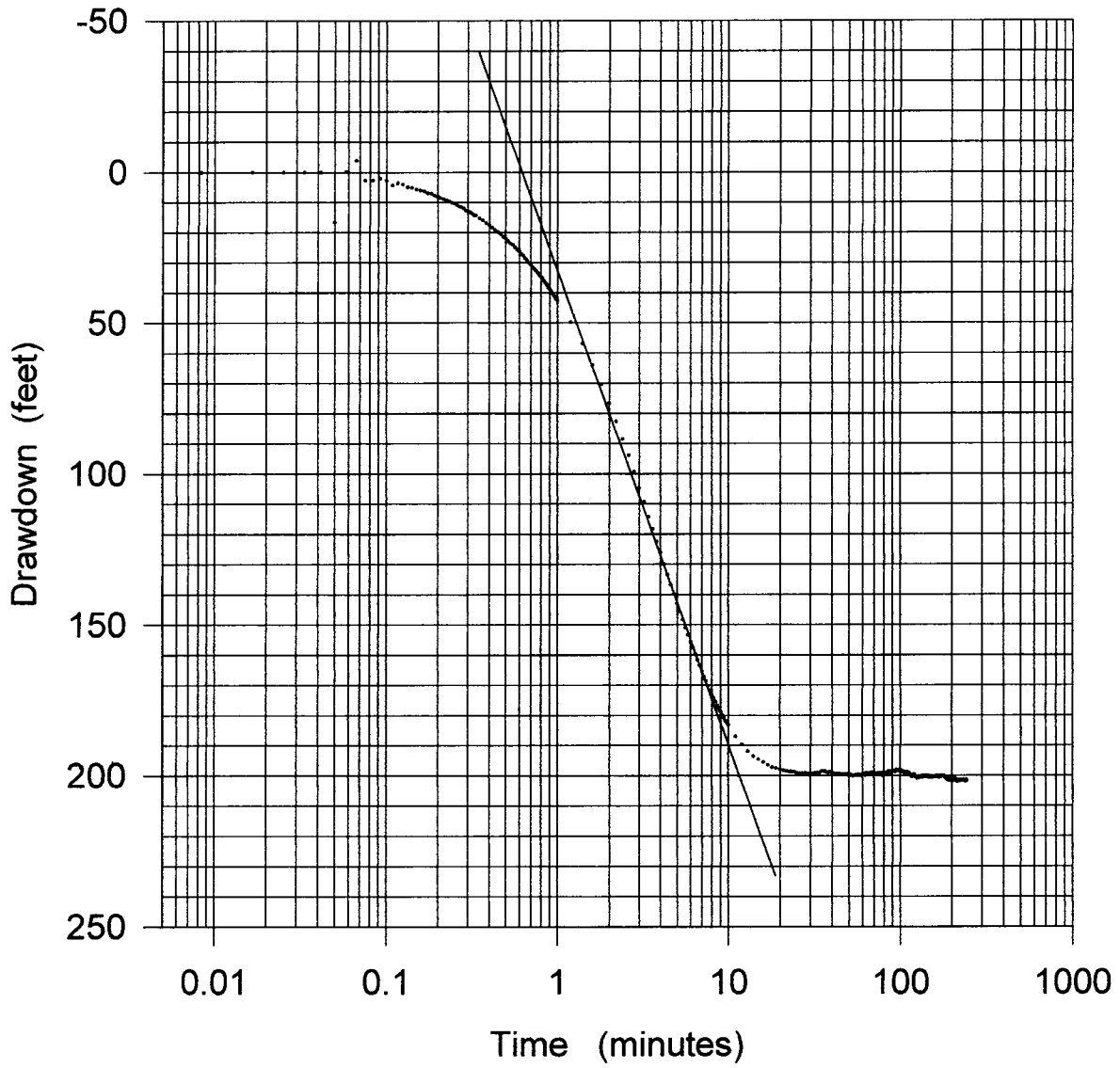


# BCNRWWTP

## IW6

1920 - 1960

## DRAWDOWN

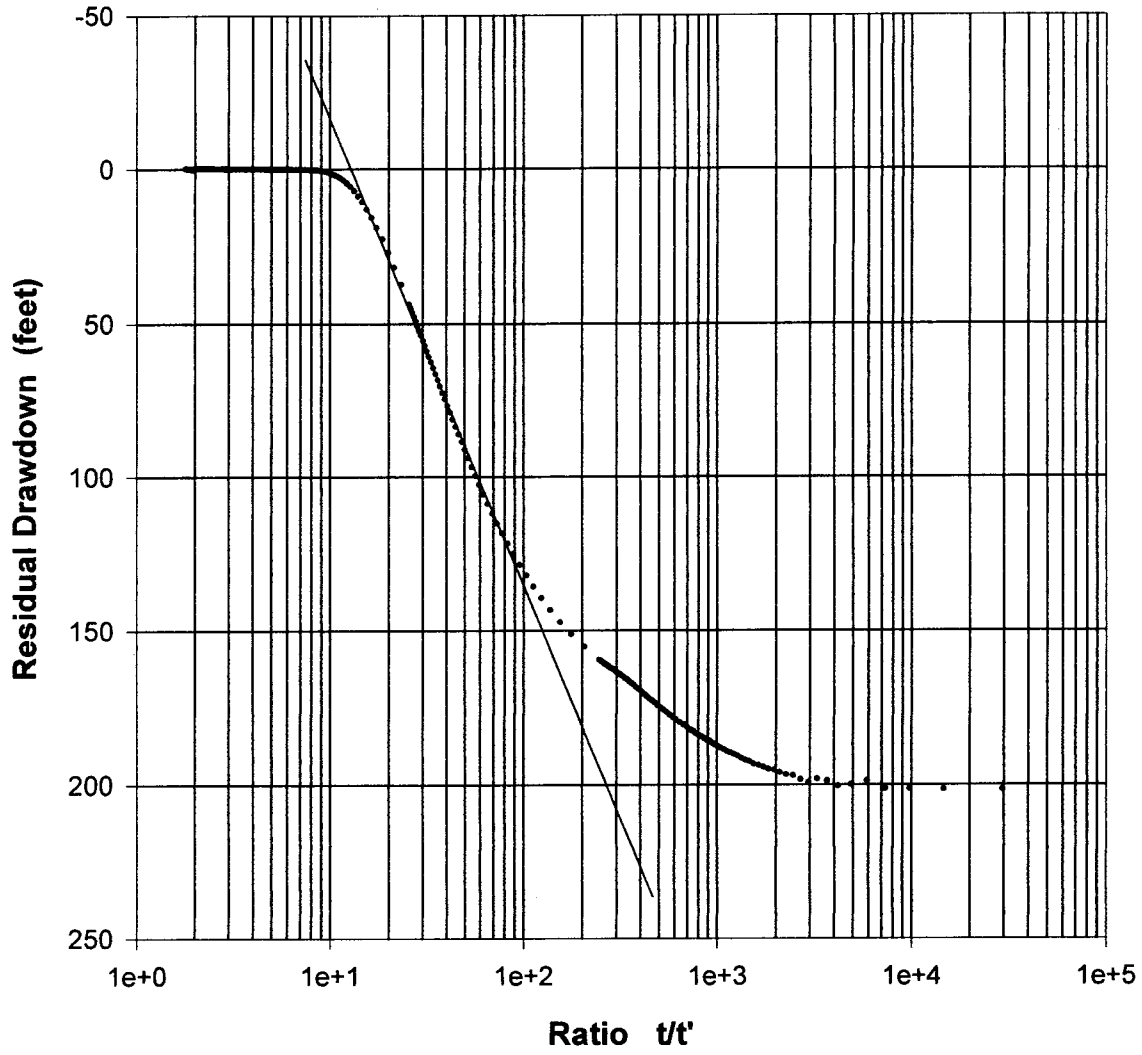


BCNRWWTP

IW6

1920 - 1960

RESIDUAL DRAWDOWN VS  $t/t'$



**APPENDIX K**

**PACKER TEST**

**WATER QUALITY LABORATORY RESULTS**



INTAKE #: 35525

<b>Project Name:</b>	BCNRWWTP	
<b>Project Location:</b>	IW-5 Packer # 5 1380'-1430'	
<b>Job ID:</b>		
<b>Sample Supply:</b>	Ground Water	
<b>Collector:</b>	Mike Wilson	
<b>Sample Received Date/Time:</b>	8/14/99	11:45

Date: 18-Aug-99

Youngquist Brothers, Inc.  
 15465 Pine Ridge Road  
 Fort Myers, FL 33908-

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
F998044	packer 5	GRB	8/14/99	5:30						
				Ammonia-N	EPA 350.3	0.38	0.05	mg/L	8/17/99	E84380
				Chloride	SM 4500 CL-B	2,512	5	mg/L	8/17/99	E84380
				Conductivity	EPA 120.1	7,300	1.0	umhos/cm	8/17/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	8/14/99	E84380
				Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	8/17/99	E84380
				Nitrogen, Total	calc.	2.2	0.1	mg/L	8/18/99	E84380
				Nitrogen, Organic	EPA 351.2	1.8	0.1	mg/L	8/18/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	2.2	0.1	mg/L	8/18/99	E84380
				Sulfate	EPA 375.4	609	5	mg/L	8/17/99	E84380
				Total Dissolved Solids	EPA 160.1	4,700	7	mg/L	8/16/99	E84380

Comments:

Approved by:

Debra Sanders  
 Laboratory Director

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)







Date: 16-Aug-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

RECEIVED  
LUZEN AND SAWYERS, P  
Hollywood, Florida

INTAKE #: 526744

#2

AUG 20 1999

Project Name:	BCNRWWTP
Project Location:	IW-5- 1640' (1633-1647)
Job ID:	JOB No.
Sample Supply:	Ground Water
Collector:	Denny Stewart
Sample Received Date/Time:	8/6/99 16:15

4549A/6

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N998748	packer 1	GRB	8/5/99 11:30	Ammonia-N	EPA 350.3	0.48	0.05	mg/L	8/11/99	E84380
				Chloride	SM 4500 CL-B	6,200	5	mg/L	8/10/99	E84380
				Conductivity	EPA 120.1	14,700	1.0	umhos/cm	8/10/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	8/10/99	E84380
				Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	8/13/99	E84380
				Nitrogen, Total	calc.	0.21	0.2	mg/L	8/13/99	E84380
				Nitrogen, Organic	EPA 351.2	<0.2	0.2	mg/L	8/13/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	0.54	0.1	mg/L	8/13/99	E84380
				Sulfate	EPA 375.4	630	5	mg/L	8/10/99	E84380
				Total Dissolved Solids	EPA 160.1	9,090	7	mg/L	8/9/99	E84380

Approved by:

Debra Sanders  
Laboratory Director

Comments:

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)





INTAKE #: 527073

Project Name: BCNRWWTP - IW5  
 Project Location: Packer #6 1,633'-1,683'  
 Job ID:  
 Sample Supply: Ground Water  
 Collector: Mike Wilson  
 Sample Received Date/Time: 8/18/99 11:30

Date: 24-Aug-99

Youngquist Brothers, Inc.  
 15465 Pine Ridge Road  
 Fort Myers, FL 33908-

Lab ID	Sample ID	Type	Sample Date/Time
--------	-----------	------	------------------

Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N999265	packer 6	GRB	8/17/99	10:30		
Ammonia-N	EPA 350.3	0.43	0.05	mg/L	8/20/99	E84380
Chloride	SM 4500 CL-B	6,848	1	mg/L	8/19/99	E84380
Conductivity	EPA 120.1	20,400	1.0	umhos/cm	8/18/99	E84380
Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	8/18/99	E84380
Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	8/19/99	E84380
Nitrogen, Total	calc.	0.95	0.1	mg/L	8/23/99	E84380
Nitrogen, Organic	EPA 351.2	0.52	0.1	mg/L	8/1/13	E84380
Nitrogen, Total Kjeldahl	EPA 351.2	0.95	0.1	mg/L	8/23/99	E84380
Sulfate	EPA 375.4	667	1	mg/L	8/19/99	E84380
Total Dissolved Solids	EPA 160.1	13,735	7	mg/L	8/18/99	E84380

Approved by:

Debra Sanders  
 Laboratory Director

Comments:

RECEIVED  
 HAZEN AND SAWYER, P.C.  
 Hollywood, Florida

AUG 25 1999

JOB No. 4549A/6.5

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



INTAKE #: 526879



Date: 17-Aug-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BCNRWWTP  
Project Location: IW-5 Packer # 2 @ 1,744' (1737-1751)  
Job ID:  
Sample Supply: Ground Water  
Collector: Denney Stewart  
Sample Received Date/Time: 8/12/99 13:35

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N999063	1,744'	GRB	8/11/99 7:45							
				Ammonia-N	EPA 350.3	0.33	0.05	mg/L	8/12/99	E84380
				Chloride	SM 4500 CL-B	14,000	5	mg/L	8/12/99	E84380
				Conductivity	EPA 120.1	32,200	1.0	umhos/cm	8/17/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	8/12/99	E84380
				Nitrate-N	EPA 353.2	<0.05	0.01	mg/L	8/13/99	E84380
				Nitrogen, Total	calc.	0.25	0.2	mg/L	8/13/99	E84380
				Nitrogen, Organic	EPA 351.2	<0.2	0.2	mg/L	8/13/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	0.25	0.1	mg/L	8/13/99	E84380
				Sulfate	EPA 375.4	33	5	mg/L	8/13/99	E84380
				Total Dissolved Solids	EPA 160.1	28,300	7	mg/L	8/12/99	E84380

Comments:

Approved by:

Debra Sanders  
Laboratory Director



INTAKE #: 526838




Project Name: BCNRWWTP  
 Project Location: IW-5 Packer # 3 @ 1,800' <sup>±</sup> (1793-1807)  
 Job ID:  
 Sample Supply: Ground Water  
 Collector: Jack Herron  
 Sample Received Date/Time: 8/11/99 14:00

Date: 17-Aug-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N999013	1,800'	GRB	8/10/99 3:00							
				Ammonia-N	EPA 350.3	0.30	0.05	mg/L	8/17/99	E84380
				Chloride	SM 4500 CL-B	11,997	5	mg/L	8/12/99	E84380
				Conductivity	EPA 120.1	20,500	1.0	umhos/cm	8/16/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	8/12/99	E84380
				Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	8/12/99	E84380
				Nitrogen, Total	calc.	0.3	0.1	mg/L	8/13/99	E84380
				Nitrogen, Organic	EPA 351.2	<0.1	0.1	mg/L	8/17/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	0.30	0.1	mg/L	8/13/99	E84380
				Sulfate	EPA 375.4	3,418	5	mg/L	8/13/99	E84380
				Total Dissolved Solids	EPA 160.1	16,625	7	mg/L	8/16/99	E84380

Approved by:  
  
 Debra Sanders  
 Laboratory Director

Comments:





INTAKE #: 526922



Date: 18-Aug-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BCNRWWTP  
Project Location: IW-5 Pakcer # 4 @ 1,870' <sup>E</sup> (1863-1877)  
Job ID:  
Sample Supply: Ground Water  
Collector: Mike Wilson  
Sample Received Date/Time: 8/13/99 14:00

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N999130	packer 4	GRB	8/12/99 13:30	Ammonia-N	EPA 350.3	0.30	0.05	mg/L	8/17/99	E84380
				Chloride	SM 4500 CL-B	15,300	5	mg/L	8/17/99	E84380
				Conductivity	EPA 120.1	33,800	1.0	umhos/cm	8/17/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	8/14/99	E84380
				Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	8/17/99	E84380
				Nitrogen, Total	calc.	1.2	0.1	mg/L	8/18/99	E84380
				Nitrogen, Organic	EPA 351.2	0.9	0.1	mg/L	8/18/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	1.2	0.1	mg/L	8/18/99	E84380
				Sulfate	EPA 375.4	1,891	5	mg/L	8/17/99	E84380
				Total Dissolved Solids	EPA 160.1	22,750	7	mg/L	8/17/99	E84380

Comments:

Approved by:

Debra Sanders  
Laboratory Director

HRS Certification #'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Client YOUNGQUIST BROS  
Address 15165 PINE RIDGE RD.  
FT MYERS, FL 33908

Report To: \_\_\_\_\_  
Bill To: \_\_\_\_\_  
P.O. # \_\_\_\_\_  
Project Name BROWARD CO. N.R.W.W.T.P.  
Project Location: 2401 N. POWELL BLVD  
POMPANO BEACH

Sample Supply: \_\_\_\_\_  
Customer Type: \_\_\_\_\_  
Field Report #: \_\_\_\_\_  
Kit #: \_\_\_\_\_  
REQUESTED DUE DATE: 8-16-99

Bottle #		SAMPLE DESCRIPTION	DATE	TIME	TYPE	PRESERVATIVES					ANALYSES REQUEST										Sample ID #		
Bottle Lot #		SHIPMENT METHOD OUT / DATE RETURNED DATE	VIA		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME											
		SAMPLED BY (PRINT) <u>MIKE WILSON</u>		SAMPLER SIGNATURE <u>Mike Wilson</u>							<u>CL SC SOLIDS</u> <u>TN TKM NIB OES</u> <u>NO2 / NO3</u>												
		<u>BROWARD COUNTY N.R.W.W.T.P.</u> <u>I-W-5 STRADDLE PACKER AT 1870'</u>	<u>8-12-99</u>	<u>1:30 PM</u>		4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL													<u>W990150</u>

INTAKE #: 35861



Date: 13-Sep-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BCNRWWTP  
 Project Location: Pompano Packer 1,950'-1,960"  
 Job ID:  
 Sample Supply: Ground Water  
 Collector: William Steele  
 Sample Received Date/Time: 9/4/99 12:10

**RECEIVED**  
 HAZEN AND SAWYER, P.C.  
 Hollywood, Florida  
 SEP 16 1999

45984/6.5  
JOB No.

Lab ID Sample ID Type Sample Date/Time

Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
F998734 1950-1960 GRB 9/4/99						
Ammonia-N	EPA 350.3	0.69	0.05	mg/L	9/9/99	E84380
Chloride	SM 4500 C1-B	16,495	1	mg/L	9/9/99	E84380
Conductivity	EPA 120.1	35,100	1	umhos/cm	9/10/99	E84380
Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	9/4/99	E84380
Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	9/9/99	E84380
Nitrogen, Total	calc.	1.29	0.1	mg/L		E84380
Nitrogen, Organic	EPA 351.2	0.60	0.1	mg/L	9/10/99	E84380
Nitrogen, Total Kjeldahl	EPA 351.2	1.29	0.1	mg/L	9/10/99	E84380
Sulfate	EPA 375.4	4,708	1	mg/L	9/9/99	E84380
Total Dissolved Solids	EPA 160.1	28,625	7	mg/L	9/10/99	E84380

Approved by:

Debra Sanders  
Laboratory Director

Comments:

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Client YOUNGQUIST BROS  
15465 PINE RIDGE RD  
Address FT MYERS, FL 33908

Report To: ED McCULLARS  
Bill To: YOUNGQUIST BROS  
P.O. # \_\_\_\_\_  
Project Name N. BROWARD W.W.T.P.  
Project Location: COPANS & POWERLINE IN POMPANO

Sample Supply: GW  
Customer Type: \_\_\_\_\_  
Field Report #: \_\_\_\_\_  
Kit #: \_\_\_\_\_  
REQUESTED DUE DATE: 9/9

Sampled By (PRINT) <u>WILLIAM B. STEELE</u> Sampler Signature		Sample			PRESERVATIVES					ANALYSES REQUEST							Sample ID #	
					4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	CL, SC, SOLIDS	NH <sub>3</sub> , ON, TN, TK	NO <sub>2</sub> , NO <sub>3</sub>						
Bottle #	SAMPLE DESCRIPTION	DATE	TIME	TYPE														
1	SINGLE <del>PACKER</del> TACKER 1950-1960	9/4		G														799 8734
2	" " " " "	9/4/99		↓														8735
3	" " " " "	9/4/99		↓														8736
Bottle Lot #		SHIPMENT METHOD	VIA	RELINQUISHED BY	AFFILIATION	DATE	TIME	ACCEPTED BY	AFFILIATION	DATE	TIME							
		OUT / DATE	RETURNED DATE															
COMMENTS:			COOLER #															
			COOLER SEAL INTACT															
			Yes No															



INTAKE #: 522874

Date: 20-Apr-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BNCRRWWTP Packer Test # 1  
 Project Location: IW-6 (1626-1645)  
 Job ID:  
 Sample Supply: Ground Water  
 Collector: Client  
 Sample Received Date/Time: 4/7/99 8:00

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N993053	iw-6	GRB	4/6/99 6:00	Ammonia-N	EPA 350.3	0.46	0.05	mg/L	4/8/99	E84380
				Chloride	SM 4500 CL-B	4,650	5	mg/L	4/7/99	E84380
				Conductivity	EPA 120.1	12,310	1.0	umhos/cm	4/7/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	4/6/99	E84380
				Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	4/7/99	E84380
				Nitrogen, Total	calc.	2.0	0.2	mg/L	4/13/99	E84380
				Nitrogen, Organic	EPA 351.2	1.54	0.2	mg/L	4/13/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	2.0	0.2	mg/L	4/13/99	E84380
				Sulfate	EPA 375.4	542	5	mg/L	4/7/99	E84380
				Total Dissolved Solids	EPA 160.1	8,830	7	mg/L	4/7/99	E84380

Approved by:  
  
 Debra Sanders  
 Laboratory Director

Comments:



INTAKE #: 522989



Date: 20-Apr-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BCNRWWTP Packer Test # 3  
Project Location: IW-6 (1776-1790)  
Job ID:  
Sample Supply: Ground Water  
Collector: John Largey  
Sample Received Date/Time: 4/10/99 19:05

Lab ID Sample ID Type Sample Date/Time

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N993186	iw-6	GRB	4/9/99 2:00	Ammonia-N	EPA 350.3	0.42	0.05	mg/L	4/12/99	E84380
				Chloride	SM 4500 CL-B	13,000	5	mg/L	4/13/99	E84380
				Conductivity	EPA 120.1	38,500	1.0	umhos/cm	4/12/99	E84380
				Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	4/15/99	E84380
				Nitrogen, Total	calc.	<0.2	0.2	mg/L	4/15/99	E84380
				Nitrogen, Organic	EPA 351.2	<0.2	0.2	mg/L	4/13/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	<0.2	0.2	mg/L	4/13/99	E84380
				Sulfate	EPA 375.4	1,250	5	mg/L	4/13/99	E84380
				Total Dissolved Solids	EPA 160.1	24,400	7	mg/L	4/13/99	E84380

Comments:

Approved by:

Debra Sanders  
Laboratory Director

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Client August Bros  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Report To: \_\_\_\_\_  
 Bill To: \_\_\_\_\_  
 P.O. # Packer Test  
 Project Name Brownwood Co WWTP  
 Project Location: \_\_\_\_\_

Sample Supply: ILW  
 Customer Type: \_\_\_\_\_  
 Field Report #: \_\_\_\_\_  
 Kit #: \_\_\_\_\_  
 REQUESTED DUE DATE: 4-15-99

Sampled By (PRINT)		Sampler Signature		Sample			NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST										LAB NUMBER				
JOHN LARKEY		[Signature]		DATE	TIME	TYPE		UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	As	Cd	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se		Ti	V	Zn	
BCNRWWTP Iw-6				4.8	07:00	L	4	X				X	X	X	X											N99386
Pump Test #3																										
BCNRWWTP Iw-6				4.10	02:00	L	3	X				X	X	X	X											N99387
Pump Test #4																										

OUT / DATE	SHIPMENT METHOD	RETURNED / DATE	VIA	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					[Signature] HRS	4/10	0830	[Signature]	4.10	08:30
COMMENTS:				COOLER #	[Signature]	4/10	1905	[Signature]	4.10	1905



INTAKE #: 522940



Date: 20-Apr-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BCNRWWTP Packer Test # 2  
Project Location: IW-6 1791'-1805'  
Job ID:

Sample Supply: Ground Water  
Collector: Client  
Sample Received Date/Time: 4/9/99 8:50  
**RECEIVED**  
**HAZEN AND SAWYER, P.C.**  
**Hollywood, Florida**

APR 23 1999

JOB No. 4548A/65

Lab ID Sample ID Type Sample Date/Time

Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N993158 IW-6 GRB 4/6/99 22:53						
Ammonia-N	EPA 350.3	0.41	0.05	mg/L	4/12/99	E84380
Chloride	SM 4500 CL-B	11,600	5	mg/L	4/13/99	E84380
Conductivity	EPA 120.1	26,750	1.0	umhos/cm	4/9/99	E84380
Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	4/9/99	E84380
Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	4/14/99	E84380
Nitrogen, Total	calc.	1.2	0.2	mg/L	4/14/99	E84380
Nitrogen, Organic	EPA 351.2	0.8	0.2	mg/L	4/13/99	E84380
Nitrogen, Total Kjeldahl	EPA 351.2	1.2	0.2	mg/L	4/13/99	E84380
Sulfate	EPA 375.4	898	5	mg/L	4/13/99	E84380
Total Dissolved Solids	EPA 160.1	20,000	7	mg/L	4/9/99	E84380

Approved by:

Debra Sanders  
Laboratory Director

Comments:

HRS Certification#s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



INTAKE #: 523008



Date: 20-Apr-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BCNRWWTP Packer Test # 4  
Project Location: IW-6 (1816-1830)  
Job ID:  
Sample Supply: Ground Water  
Collector: John Largey  
Sample Received Date/Time: 4/10/99 19:05

Lab ID Sample ID Type Sample Date/Time

Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N993187 iw-6 GRB 4/10/99 2:00						
Ammonia-N	EPA 350.3	0.43	0.05	mg/L	4/12/99	E84380
Chloride	SM 4500 CL-B	12,600	5	mg/L	4/13/99	E84380
Conductivity	EPA 120.1	29,800	1.0	umhos/cm	4/12/99	E84380
Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	4/15/99	E84380
Nitrogen, Total	calc.	<0.2	0.2	mg/L	4/15/99	E84380
Nitrogen, Organic	EPA 351.2	<0.2	0.2	mg/L	4/13/99	E84380
Nitrogen, Total Kjeldahl	EPA 351.2	<0.2	0.2	mg/L	4/13/99	E84380
Sulfate	EPA 375.4	1,250	5	mg/L	4/13/99	E84380
Total Dissolved Solids	EPA 160.1	23,250	7	mg/L	4/13/99	E84380

Approved by:

Debra Sanders  
Laboratory Director

Comments:

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



#5

INTAKE #: 523150



Date: 22-Apr-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name: BCNRWWTP Packer # **RECEIVED**  
 Project Location: IW-6 1,882'-1,900' **HAZEN AND SAWYER, P.C.**  
**Hollywood, Florida**  
 Job ID:  
 Sample Supply: Ground Water  
 Collector: Client  
 Sample Received Date/Time: 4/16/99 7:30  
**APR 29 1999**  
**JOB No. 4598A/6.**

Lab ID Sample ID Type Sample Date/Time

Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N993383 1882-1900 GRB 4/15/99 5:28						
Ammonia-N	EPA 350.3	0.21	0.05	mg/L	4/16/99	E84380
Chloride	SM 4500 CL-B	17,095	5	mg/L	4/20/99	E84380
Conductivity	EPA 120.1	46,700	1.0	umhos/cm	4/16/99	E84380
Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	4/16/99	E84380
Nitrate-N	EPA 353.2	<0.01	0.01	mg/L	4/20/99	E84380
Nitrogen, Total	calc.	2.1	0.2	mg/L	4/20/99	E84380
Nitrogen, Organic	EPA 351.2	1.9	0.2	mg/L	4/20/99	E84380
Nitrogen, Total Kjeldahl	EPA 351.2	2.1	0.2	mg/L	4/20/99	E84380
Sulfate	EPA 375.4	2,120	5	mg/L	4/21/99	E84380
Total Dissolved Solids	EPA 160.1	36,950	7	mg/L	4/19/99	E84380

Comments:

Approved by:

Debra Sanders  
Laboratory Director

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



INTAKE #: 524290



Project Name: North Regional WWTP  
 Project Location: Pompano Beach IW6 1920-1960'  
 Job ID:  
 Sample Supply: Waste Water  
 Collector: Client  
 Sample Received Date/Time: 5/21/99 16:40

Date: 10-Jun-99

Hazen & Sawyer  
 4000 Hollywood Blvd.  
 Hollywood, FL 33021-

Lab ID	Sample ID	Type	Sample Date/Time							
				Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
N994877	iw6 nrw	GRB	5/19/99 8:55							
				Chloride	SM 4500CI-B	16,500	5	mg/L	6/2/99	E84380
				Sulfate	EPA 375.4	1,423	5	mg/L	5/25/99	E84380
				Total Dissolved Solids	EPA 160.1	32,348	7	mg/L	5/25/99	E84380
				Conductivity	EPA 120.1	33,900	1.0	umhos/cm	5/28/99	E84380
				Ammonia-N	EPA 350.3	0.94	0.05	mg/L	5/27/99	E84380
				Nitrogen, Total Kjeldahl	EPA 351.2	1.5	0.2	mg/L	6/10/99	E84380
				Nitrate-N	EPA 353.2	<0.05	0.05	mg/L	5/28/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	5/21/99	E84380
				Nitrogen, Total	EPA 351.2/353.2	1.5	0.2	mg/L	6/10/99	E84380
				Nitrogen, Organic	EPA 351.2	0.6	0.2	mg/L	6/10/99	E84380

Approved by:

Debra Sanders  
 Laboratory Director

Comments:

4599 / 6.5

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Client Hazen & Sawyer  
 Address 4000 Hollywood Blvd.  
Hollywood, Florida 33021  
 Phone (954) 987-0066 Fax (954) 987-2744

Report To: Cristina Garcia-Marguez  
 Bill To: \_\_\_\_\_  
 P.O. # \_\_\_\_\_  
 Project Name: (North Regional WWTP)  
 Project Location: Pompano Beach, FL

Sample Supply: W.W.?  
 Customer Type: \_\_\_\_\_  
 Field Report #: \_\_\_\_\_  
 Kit #: \_\_\_\_\_  
 REQUESTED DUE DATE: 6/4/99

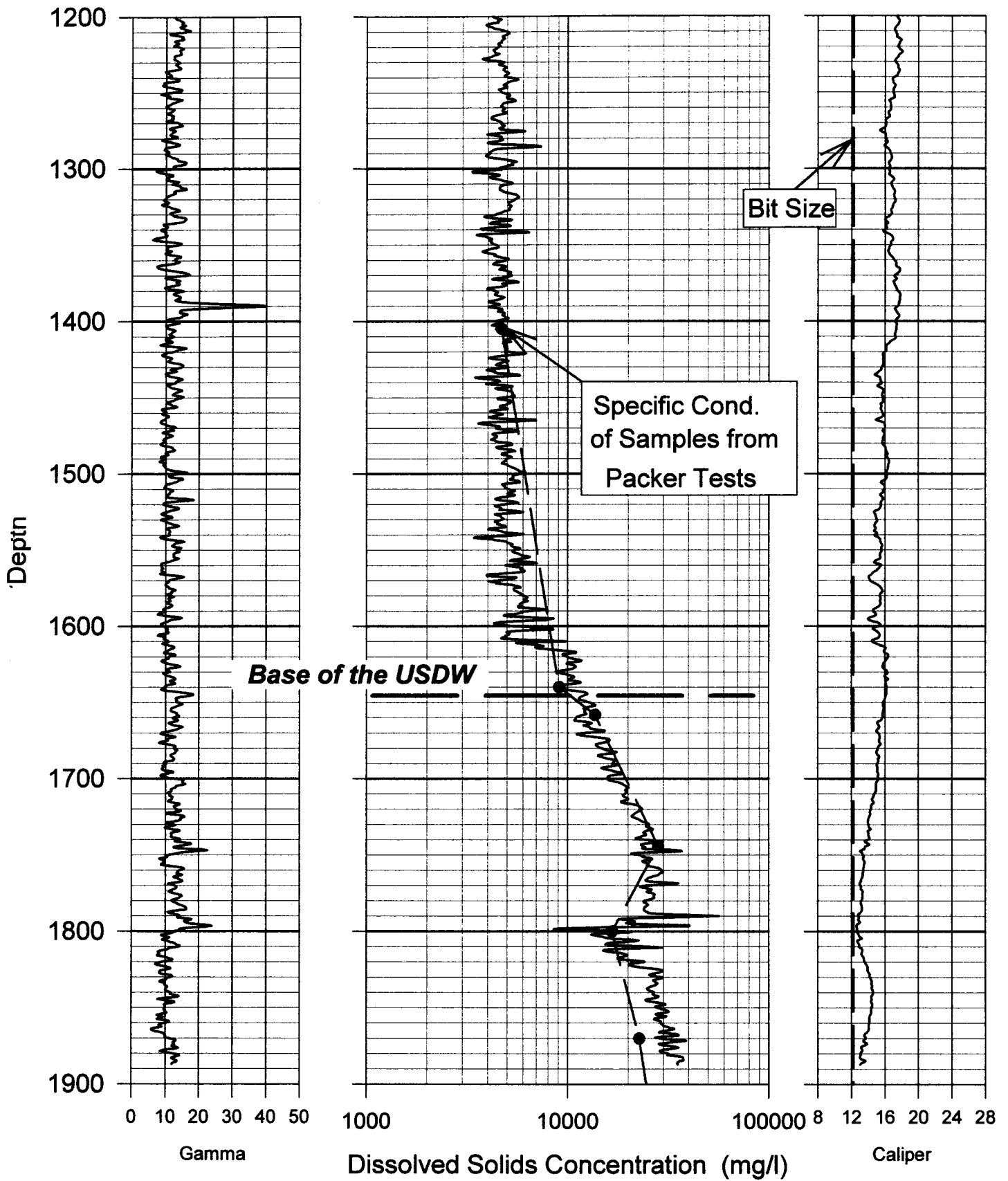
Sampled By (PRINT)		Sampler Signature		Sample			NO. OF CONTAINERS	PRESERVATIVES			ANALYSES REQUEST							LAB NUMBER						
DATE	TIME	SAMPLE DESCRIPTION / LOCATION	JOB #	DATE	TIME	TYPE		UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	TDS, SO <sub>4</sub> , Cl, Cond.	NH <sub>3</sub>	TKN	NO <sub>2</sub> , NO <sub>3</sub>	Total Nitrogen	Organic Nitrogen							
		1 IUG NRW WTP		5.19.99	08:55	L	8					✓	✓	✓	✓	✓								N994877
SHIPMENT METHOD		RETURNED / DATE		VIA	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME													
OUT / DATE					1	Robert Humboldt	5.19.99	14:30	Phill Taylor, Jr.	5.19.99	14:30													
COMMENTS:		COOLER #			1	Phill Taylor, Jr.	5.19.99	15:00	Tami	5/21/99	16:40													



**APPENDIX L**

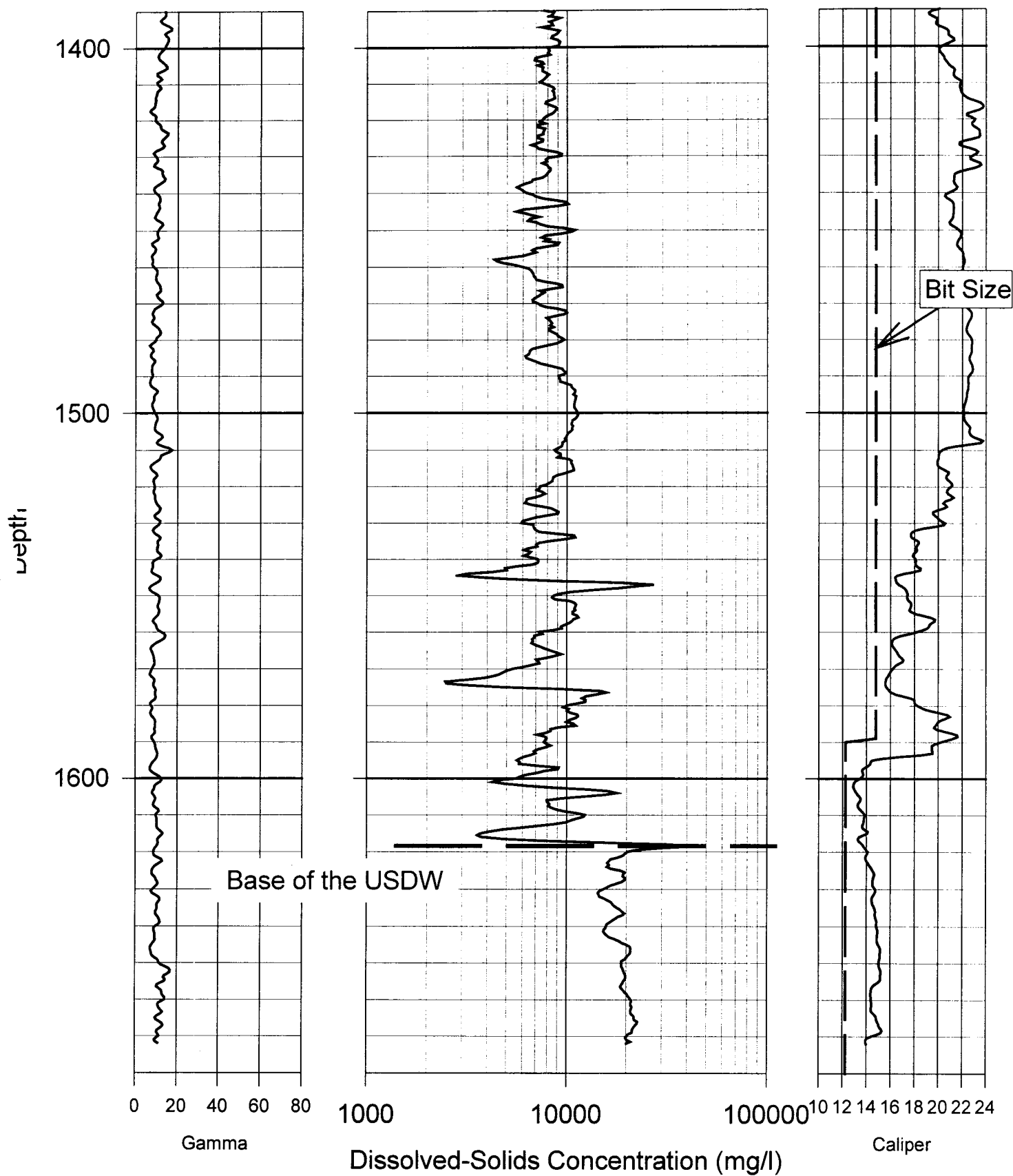
**LOG DERIVED WATER QUALITY GRAPHS**

# BCNRWWTP - Injection Well #5 - Log Derived Water Quality



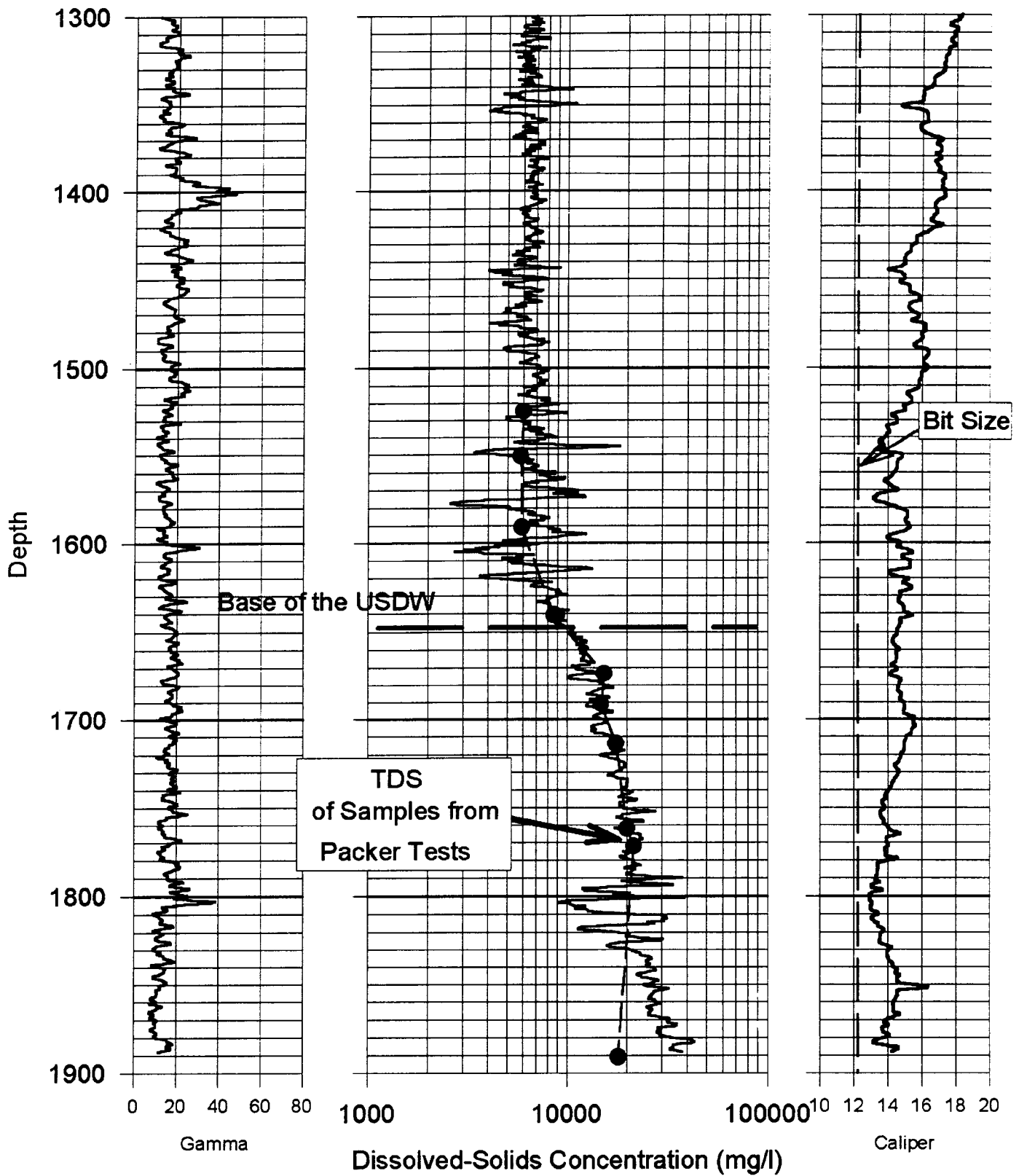
Used Best fit ( $a$  and  $m$ ) values from MW-4 Data (R-H,  $m=2.0$ ,  $a=1.0$ ) non-Corrected Rt

# Broward County NRWWTP MW#3 Log Derived Water Quality



Empherically derived (R-H, m=2.0, a=1.0) Non-Corrected RILD

# Broward County NRWWTP MW#4 Log Derived Water Quality



Empherically derived (R-H, m=2.0, a=1.0) Non-Corrected RILD

**APPENDIX M**

**CASING MILL CERTIFICATES**

**STANDARD CERTIFIED TEST REPORT  
GEORGIA TUBULAR PRODUCTS**



Customer Name: **VASS PIPE**  
 Customer Address: **P. O. BOX 583  
 MINEOLA, NY 11501**

Date: **March 30, 1999**  
 Customer Order No: **7539/2055**

City, State, Zip

G.T.P. Sales Order No. **PGT-200427**

Specification **ASTM A-139 GR. C SPIRALWELD STEEL PIPE "MADE IN U.S.A."**

Heat No.	Size O.D.	Wt./Ft. or Wall Thick	Min. Hydro Test Pres. P.S.I.	MECHANICAL PROPERTIES			CHEMICAL ANALYSIS (%)				
				Yield Strength P.S.I. Point	Tensile Strength P.S.I.	Elong In 2" %	C	Mn	P	S	SI
885143	42"	.375	450	56,600	77,600	33	.21	.91	.016	.006	.01
885145	42"	.375	450	46,000	73,400	32	.2	.79	.014	.006	.01
785228	42"	.375	450	49,100	77,100	30	.22	.84	.011	.007	.01
N04235	34"	.375	556	51,800	75,700	36	.19	.75	.008	.006	.02
N04420	34"	.375	556	57,460	82,150	28	.19	.8	.01	.004	.04
N04421	34"	.375	556	54,150	74,950	29	.18	.77	.011	.003	.03
N04610	34"	.375	556	58,900	81,900	28	.188	.77	.008	.002	.03
N04236	34"	.375	556	54,983	78,050	30	.19	.74	.008	.005	.02
N04609	34"	.375	556	63,100	82,000	27	.19	.78	.009	.003	.03

The undersigned hereby certifies that the above materials have been inspected and tested in accordance with the methods prescribed in the applicable specifications and the results of such inspection and tests shown above. In determining properties or characteristics for which no methods of inspecting or testing are prescribed by said specifications, the standard mill inspection and testing practices of Georgia Tubular Products have been applied. Unless it appears otherwise in the results of such inspection and tests shown above, the undersigned believes that said materials conform to said specifications.

Subscribed and sworn to before me...

This 30th day of March 1999

*[Signature]*  
 Notary Public

*[Signature]*

R. SCOTT PANTER MFG. MGR. Name & Title



Georgia Tubular Products  
 109 Dent Drive, Connersville, GA 30121  
 (770) 386-2553

**STANDARD CERTIFIED TEST REPORT  
GEORGIA TUBULAR PRODUCTS**



Customer Name: **YOUNGQUIST BROTHERS, INC.**  
 Customer Address: **15465 PINE RIDGE ROAD  
 FORT MYERS, FL 33908**

Date: **03-19-99**  
 Customer Order No.: **24769/2053**

City, State, Zip

G.T.P. Sales Order No. **200420**

Specification **ASTM A-139 GRADE C SPIRALWELD STEEL PIPE "MADE IN U.S.A."**

Heat No.	Size O.D.	Wr./Fr. or Wall Thick	Min. Hydro Test Pres. P.S.I.	MECHANICAL PROPERTIES			CHEMICAL ANALYSIS (%)				
				Yield Strength P.S.I. Point	Tensile Strength P.S.I.	Elong In 2" %	C	Mn	P	S	SI
785224	42"	.375	464	50,600	75,600	30	.2	.81	.01	.004	.02
785226	42"	.375	464	50,800	79,200	32	.22	.85	.008	.003	.03
885143	42"	.375	464	56,600	77,600	33	.21	.91	.016	.006	.01

The undersigned hereby certifies that the above materials have been inspected and tested in accordance with the methods prescribed in the applicable specifications and the results of such inspection and tests shown above. In determining properties or characteristics for which no methods of inspecting or testing are prescribed by said specifications, the standard mill inspection and testing practices of Georgia Tubular Products have been applied. Unless it appears otherwise in the results of such inspection and tests shown above, the undersigned believes that said materials conform to said specifications.

Subscribed and sworn to before me

This 19th day of March 1999

*[Signature]*  
 Notary Public

*[Signature]*

**R. SCOTT PANTER MFG. MGR.** Name & Title



Georgia Tubular Products  
 109 Dent Drive, Cartersville, GA 30121  
 (770) 388-2550

**STANDARD CERTIFIED TEST REPORT  
GEORGIA TUBULAR PRODUCTS**



Customer Name: **YOUNGQUIST BROTHERS**  
 Customer Address: **15465 PINE RIDGE ROAD  
 FORT MYERS, FL 33908**

Date: **March 12, 1999**  
 Customer Order No. **24769**

G.T.P. Sales Order No.

City, State, Zip

Specification **ASTM A-139 GRADE C SPIRALWELD STEEL PIPE "MADE IN U.S.A."**

Heat No.	Size O.D.	Wr./Fr. or Wall Thick	Min. Hydro Test Pres. P.S.I.	MECHANICAL PROPERTIES			CHEMICAL ANALYSIS (%)				
				Yield Strength P.S.I. Point	Tensile Strength P.S.I.	Elong In 2" %	C	Mn	P	S	SI
186732	42"	.375	464	52,668	79,086	30	.2	.86	.007	.004	.223
186735	42"	.375	464	53,832	80,136	30	.2	.83	.006	.006	.229

The undersigned hereby certifies that the above materials have been inspected and tested in accordance with the methods prescribed in the applicable specifications and the results of such inspection and tests shown above. In determining properties or characteristics for which no methods of inspecting or testing are prescribed by said specifications, the standard mill inspection and testing practices of Georgia Tubular Products have been applied. Unless it appears otherwise in the results of such inspection and tests shown above, the undersigned believes that said materials conform to said specifications.

Subscribed and sworn to before me

this 12th day of March, 1999

*[Signature]*  
 Notary Public

*[Signature]*

**R. SCOTT PANTER MFG. MGR. Name & Title**



Georgia Tubular Products  
 109 Dent Drive, Cartersville, GA 30121  
 (770) 386-2553



**STANDARD CERTIFIED TEST REPORT  
GEORGIA TUBULAR PRODUCTS, INC.**



Customer Name: **YOUNQUIST BROTHERS**  
 Customer Address: **15465 PINE RIDGE ROAD**  
**FORT MYERS, FL 33908**

Date: **02-11-99**  
 Customer Order No. **24447**  
 G.T.P. Sales Order No.

Specification **ASTM A-139 GRADE B SPIRALWELD STEEL PIPE "MADE IN U.S.A."**

Heat No.	Size O.D.	Wr./Ft. or Wall Thick	Min. Hydro Test Pres. P.S.I.	MECHANICAL PROPERTIES			CHEMICAL ANALYSIS (%)				
				Yield Strength P.S.I. Point	Tensile Strength P.S.I.	Elong In 2" %	C	Mn	P	S	SI
785228	50"	.375	315	49,100	77,100	30	.22	.84	.011	.007	.01
885145	50"	.375	315	46,000	73,400	32	.2	.79	.014	.006	.01

The undersigned hereby certifies that the above materials have been inspected and tested in accordance with the methods prescribed in the applicable specifications and the results of such inspection and tests shown above. In determining properties or characteristics for which no methods of inspecting or testing are prescribed by said specifications, the standard mill inspection and testing practices of Georgia Tubular Products, Inc. have been applied. Unless it appears otherwise in the results of such inspection and tests shown above, the undersigned believes that said materials conform to said specifications.

Subscribed and sworn to before me

on the 11th day of Feb. 1999

*[Signature]*  
 Notary Public

*[Signature]*  
**R. SCOTT PANTER** MFG. MGR. Name & Title



Georgia Tubular Products, Inc.  
 109 Dent Drive, Cartersville, GA 30121  
 (770) 386-2553

MILL ORDER/ITEM NO. DR46732 01	SHIPPER'S NO. R38500	P.O. NUMBER 47008264	VEHICLE ID. LT8030
SOLD TO ADDRESS <b>VASS PIPE &amp; STEEL CO., INC.</b> 158 Third St., P.O. Box 583 Mineola, New York 11501 (516) 741-8308		MAIL TO ADDRESS	
VENDOR USS TUBULAR PRODUCTS 1807 EAST 28TH ST. LDRAIN, OH 44055			

**SPECIFICATION AND GRADE**

PIPE CARBON SMLS STD PIPE API 5L-\*41ST EDITION DTD 4/1/95 GRADE B AND GRADE X42 ASTM A53-\*98 ASTM A106-\*97A GRADE B QUAD STENCIL ASME SA53-\*1998 EDITION 1998 ADDENDUM ASME SA106-\*1998 EDITION 1998 ADDENDUM GRADE B BLK BARE PE DEV 30 DEG MEETING ALL THE APPLICABLE REQUIREMENTS OF NACE STANDARD MR-01-75

MATERIAL COND: AS ROLLED OD: 24.000 (609.600) in (mm) WALL: 0.500 (12.700) in (mm)

PRODUCT IDENTIFICATION	TENSILE TEST TYPE / ORIENTATION	TEST COND.	GAUGE WIDTH IN	YIELD		TENSILE		Y/T	ELONG %		HARDNESS		MIN HYDRO PSI	DWELL (SEC)
				PSI	EXT %	PSI	MIN		MAX	SCALE HRB	MIN			
RB1056	STRIP/T/B	AR	1.500	MIN: 42000	.50	MIN: 60000	MAX:	0.70	MIN:	MAX: 100.0	1580	5		
				MAX: 58000	.50	MAX: 83500	38.0		8 79.0	1580				
** END OF DATA THIS SHEET **														

LEGEND: L - LONGITUDINAL U - UPSET T - TRANSVERSE N - NORMALIZED QT - QUENCHED & TEMPERED SR - STRESS RELIEVED AR - AS ROLLED AQ - AS QUENCHED B - BODY W - WELD

PRODUCT IDENTIFICATION	TYPE	C	MN	P	S	SI	CU	NI	CR	MO	AL	N	V	B	TI	CS	CO	CE*
		MAX																
RB1056	HEAT	.25	.92	013	008	.24	.03	.02	.06	.01	028		003			001		.42
RB1056	PROD	.25	.91	011	006	.23	.03	.02	.05	.01	025		001			001		.42
RB1056	PROD	.26	.91	011	007	.23	.03	.02	.05	.01	029		001			001		.43
** END OF DATA THIS SHEET **																		

\*CE IS BASED ON THE FOLLOWING EQUATION(S): CE = C + (MN/6) + (CR+MO+V)/5 + (NI+CU)/15



MILL ORDER/ITEM NO. DR46732 01		SHIPPERS NO. R38500		PO NUMBER 47008364		0011123									
MATERIAL COND: AS ROLLED				OD: 24.000 (609.600) m (mm)			WALL: 0.500 (12.700) in (mm)								
PRODUCT IDENTIFICATION	FLAT	BEND	GRAIN SIZE	MIN COLLAPSE	CHARPY V-NOTCH IMPACT TESTING										
					DIR	TEST LOC.	TEMP	SIZE	TEST COND.	FT-LBS			% SHEAR		
										1	2	3	AVG	1	2
A01050					DEU										
** END OF DATA THIS SHEET **															
LEGEND: L - LONGITUDINAL T - TRANSVERSE B - BODY W - WELD HAZ - HEAT AFFECTED ZONE															
TESTING / INSPECTION INFORMATION															
TEST / INSPECTION				YES		RESULTS / COMMENTS									
FULL LENGTH VISUAL				X											
FULL LENGTH EMI				X		OD X		OD/ID		L X		LT		10.0% NOTCH	
FULL LENGTH MPI															
FULL LENGTH UT						OD		OD/ID		L		LT			
END AREA INSPECTION (PLAIN END)						MPI		UT							
SPECIAL END AREA (SEA) INSP.						MPI		UT							
FULL LENGTH DRIFT						DRIFT MANDREL SIZE:									
ADDITIONAL NOTES/COMMENTS															
ALL MELTING AND MANUFACTURING TOOK PLACE IN THE USA. NO REPAIRS BY WELDING. NO MERCURY OR MERCURY COMPOUNDS ARE ADDED TO THE STEEL AND ALL MERCURY BEARING EQUIPMENT IS PROTECTED BY A DOUBLE BOUNDARY OF CONTAINMENT.															

THIS IS TO CERTIFY THAT THE PRODUCT DESCRIBED HEREIN WAS MANUFACTURED, SAMPLED, TESTED AND/OR INSPECTED IN ACCORDANCE WITH THE SPECIFICATION AND FULFILLS THE REQUIREMENTS IN SUCH RESPECTS

PREPARED BY THE OFFICE OF J. MIKULSKI MGR. MET. &  
O.A. USS TUBULAR PRODUCTS

DATE 05/19/99



MILL ORDER/ITEM NO. <b>DR46732 01</b>	SHIPPER'S NO. <b>R38517</b>	PO NUMBER <b>47008364</b>	VEHICLE I.D. <b>LT8271</b>
SOLD TO ADDRESS  <b>VASS PIPE &amp; STEEL CO., INC.</b> <b>158 Third Street, Box 583</b> <b>Minnetonka, MN 55011</b> <b>(516) 741-8398</b>		MAIL TO ADDRESS	
		VENDOR <b>USS TUBULAR PRODUCTS</b> <b>1807 EAST 28TH ST.</b> <b>LORAIN, OH 44055</b>	

**SPECIFICATION AND GRADE**

PIPE CARBON SMLS STD PIPE API 5L-41ST EDITION DTD 4/1/95 GRADE B AND GRADE X42 ASTM A53-98 ASTM A106-97A GRADE B QUAD STENCIL ASME SA53-1998 EDITION 1998 ADDENDUM ASME SA106-1998 EDITION 1998 ADDENDUM GRADE B BLK BARE PE BEV 30 DEG MEETING ALL THE APPLICABLE REQUIREMENTS OF NACE STANDARD MR-01-75

MATERIAL COND: <b>AS ROLLED</b>	OD: <b>24.000 (609.600)</b>	in (mm)	WALL: <b>0.500 (12.700)</b>	in (mm)									
PRODUCT IDENTIFICATION	TENSILE TEST TYPE / ORIENTATION	TEST COND.	GAUGE WIDTH IN	YIELD		TENSILE		Y/T	ELONG %		HARDNESS SCALE: HRB	MIN HYDRO PSI	DWELL (SEC)
				MIN: PSI	EXT %	MIN: PSI	MAX:		IN 2" )	MIN:			
				42000	.50	60000	MAX:		29.5				
AB1050	STRIP/T/B	AR	1.500	45900	.50	79000	0.58		40.0		877.0	1580	5
AB1058	BTRIP/T/B	AR	1.500	45600	.50	77500	0.59		43.0		879.0	1580	5
** END OF DATA THIS SHEET **													

LEGEND: L - LONGITUDINAL U - UPSET T - TRANSVERSE N - NORMALIZED QT - QUENCHED & TEMPERED SR - STRESS RELIEVED AR - AS ROLLED AQ - AS QUENCHED B - BODY W - WELD

PRODUCT IDENTIFICATION	TYPE	C	MN	P	S	SI	CU	NI	CR	MO	AL	N	Y	B	Ti	CS	CO	C.E.
																		MAX
AB1050	HEAT	.24	.89	.010	.006	.21	.03	.10	.05	.04	.035		.003			.001		.42
AB1050	PROD	.24	.89	.009	.005	.20	.03	.10	.08	.03	.035		.001			.000		.42
AB1050	PROD	.25	.89	.009	.005	.20	.03	.10	.08	.04	.035		.001			.000		.43
AB1058	HEAT	.24	.91	.010	.009	.24	.03	.02	.05	.01	.031		.003			.001		.40
AB1058	PROD	.24	.90	.009	.008	.23	.03	.02	.05	.00	.032		.001			.001		.41
AB1058	PROD	.25	.90	.009	.008	.23	.03	.02	.05	.00	.032		.001			.001		.41
** END OF DATA THIS SHEET **																		

C.E. IS BASED ON THE FOLLOWING EQUATION(S):  $C.E. = C + (Mn/6) + (Cr + Ni + U)/5 + (Ni + Cu)/15$

MILL ORDER/ITEM NO. <b>0846732 01</b>		SHIPPER'S NO. <b>R38517</b>		PO NUMBER <b>47008364</b>		0011220											
MATERIAL COND: <b>AS ROLLED</b>				OD: <b>24.000 (609.600)</b>		In (mm)		WALL: <b>0.500 (12.700)</b>		In (mm)							
PRODUCT IDENTIFICATION	FLAT	BEND	GRAIN SIZE	MIN COLLAPSE	CHARPY V-NOTCH IMPACT TESTING												
					DIR	TEST LOC.	TEMP	SIZE	TEST COND.	FT-LBS				% SHEAR			
										1	2	3	AVG	1	2	3	AVG
					DEG												
AB1050 AB1058		OK OK			** END OF DATA THIS SHEET **												
<b>LEGEND:</b> L - LONGITUDINAL      T - TRANSVERSE      B - BODY      W - WELD      HAZ - HEAT AFFECTED ZONE																	
<b>TESTING / INSPECTION INFORMATION</b>																	
TEST / INSPECTION			YES		RESULTS / COMMENTS												
FULL LENGTH VISUAL			X														
FULL LENGTH EMI			X		OD <u>X</u>		OD/D <u>    </u>		L <u>X</u>		LT <u>    </u>		<b>10.0% NOTCH</b>				
FULL LENGTH MPI																	
FULL LENGTH UT					OD <u>    </u>		OD/D <u>    </u>		L <u>    </u>		LT <u>    </u>						
END AREA INSPECTION (PLAIN END)					MPI <u>    </u>		UT <u>    </u>										
SPECIAL END AREA (SEA) INSP.					MPI <u>    </u>		UT <u>    </u>										
FULL LENGTH DRIFT					DRIFT MANDREL SIZE:												
<b>ADDITIONAL NOTES/COMMENTS</b>																	
<b>ALL MELTING AND MANUFACTURING TOOK PLACE IN THE USA. NO REPAIRS BY WELDING. NO MERCURY OR MERCURY COMPOUNDS ARE ADDED TO THE STEEL AND ALL MERCURY BEARING EQUIPMENT IS PROTECTED BY A DOUBLE BOUNDARY OF CONTAINMENT.</b>																	

THIS IS TO CERTIFY THAT THE PRODUCT DESCRIBED HEREIN WAS MANUFACTURED, SAMPLED, TESTED AND/OR INSPECTED IN ACCORDANCE WITH THE SPECIFICATION AND FULFILLS THE REQUIREMENTS IN SUCH RESPECTS.

PREPARED BY THE OFFICE OF **F. J. NIKULSKI MGR. NET. 8**  
**Q.A. USS TUBULAR PRODUCTS**

DATE **05/21/99**



**U. S. STEEL GROUP**  
A division of USX Corporation

**TUBULAR PRODUCTS**  
**CERTIFIED TEST REPORT**

(TYPE B - IN ACCORDANCE WITH ISO 10474 / EN10204 / DIN50049)

DATE: 05/22/99  
TIME: 06:04:36  
USS, USX, USX are trademarks of USX Corporation

INCL ORDER ITEM NO. <b>DR46732 01</b>	SHIPPER'S NO. <b>R38517</b>	PQ NUMBER <b>47008364</b>	VEHICLE ID. <b>LT8271</b>
SOLD TO ADDRESS <b>VASS PIPE &amp; STEEL CO., INC. 158 Third St. P.O. Box 583 Mineola, New York 11501 (516) 741-8300</b>		MAIL TO ADDRESS	
VENDOR <b>USS TUBULAR PRODUCTS 1807 ERST 28TH ST. LORAIN, OH 44055</b>			

**SPECIFICATION AND GRADE**  
PIPE CARBON SMLS STD PIPE API 5L-41ST EDITION DTD 4/1/95 GRADE B AND GRADE X42 ASTM A53-498 ASTM A106-97A GRADE B QUAD STENCIL ASME SA53-1998 EDITION 1998 ADDENDUM ASME SA106-1998 EDITION 1998 ADDENDUM GRADE B BLK BARE PE BEV 30 DEG MEETING ALL THE APPLICABLE REQUIREMENTS OF NACE STANDARD MR-01-75

MATERIAL COND: <b>AS ROLLED</b>	OD: <b>24.000 (609.600)</b> in (mm)	WALL: <b>0.500 (12.700)</b> in (mm)											
PRODUCT IDENTIFICATION	TENSILE TEST TYPE: ORIENTATION	TEST COND	GAUGE WIDTH IN	YIELD		TENSILE		Y/T	ELONG %		HARDNESS SCALE: HRB	MIN HYDRO PSI	DRILL (SEC)
				MIN: <b>42000</b>	EXT %: <b>.50</b>	MIN: <b>60000</b>	MAX:		MIN: <b>29.5</b>	MAX: <b>100.0</b>			
<b>A81068</b>	<b>STRIP/T/B</b>	<b>AR</b>	<b>1.500</b>	<b>46200</b>	<b>.50</b>	<b>79000</b>	<b>0.59</b>	<b>43.0</b>	<b>88.0</b>	<b>1580</b>	<b>5</b>		
<b>** END OF DATA THIS SHEET **</b>													

LEGEND: L - LONGITUDINAL, U - UPSET, T - TRANSVERSE, N - NORMALIZED, QT - QUENCHED & TEMPERED, SR - STRESS RELIEVED, AR - AS ROLLED, AQ - AS QUENCHED, B - BODY, W - WELD

PRODUCT IDENTIFICATION	TYPE	C	MIN	P	S	SI	CU	NI	CR	MO	AL	N	V	B	TI	CB	CO	CE*
																		MAX
<b>A81068</b>	<b>HEAT</b>	<b>.23</b>	<b>.90</b>	<b>009</b>	<b>005</b>	<b>.25</b>	<b>.02</b>	<b>.02</b>	<b>.05</b>	<b>.01</b>	<b>025</b>		<b>003</b>			<b>001</b>		<b>.48</b>
<b>A81068</b>	<b>PROD</b>	<b>.24</b>	<b>.89</b>	<b>008</b>	<b>004</b>	<b>.23</b>	<b>.01</b>	<b>.02</b>	<b>.05</b>	<b>.01</b>	<b>026</b>		<b>001</b>			<b>000</b>		<b>.41</b>
<b>A81068</b>	<b>PROD</b>	<b>.24</b>	<b>.89</b>	<b>008</b>	<b>004</b>	<b>.24</b>	<b>.01</b>	<b>.02</b>	<b>.05</b>	<b>.01</b>	<b>027</b>		<b>001</b>			<b>000</b>		<b>.40</b>
<b>** END OF DATA THIS SHEET **</b>																		

\*C.E. IS BASED ON THE FOLLOWING EQUATION(S):  $CE = C + (Mn/6) + (Cr + Mo + V)/5 + (Ni + Cu)/15$



MILL ORDER/ITEM NO. <b>DR46732 01</b>		SHIPPER'S NO. <b>R38517</b>		P.O. NUMBER <b>47008364</b>		0011220											
MATERIAL COND: <b>AS ROLLED</b>				OD: <b>24.000 (609.600)</b> in (mm)				WALL: <b>0.500 (12.700)</b> in (mm)									
PRODUCT IDENTIFICATION <b>RB1068</b>	FLAT <b>OK</b>	BEND	GRAIN SIZE	MIN COLLAPSE	CHARPY V-NOTCH IMPACT TESTING												
					DIR	TEST LOC.	TEMP	SIZE	TEST COND.	FT-LBS				% SHEAR			
										1	2	3	AVG	1	2	3	AVG
<b>DEG</b>																	
<b>** END OF DATA THIS SHEET **</b>																	

LEGEND: L - LONGITUDINAL    T - TRANSVERSE    B - BODY    W - WELD    HAZ - HEAT AFFECTED ZONE

TEST / INSPECTION		YES	RESULTS / COMMENTS							
FULL LENGTH VISUAL		X								
FULL LENGTH EMI		X	OD	X	OD/ID		L	X	L/T	10.0% NOTCH
FULL LENGTH MPI										
FULL LENGTH UT			OD		OD/ID		L		L/T	
END AREA INSPECTION (PLAIN END)			MPI		UT					
SPECIAL END AREA (SEA) INSP.			MPI		UT					
FULL LENGTH DRIFT			DRIFT MANOREL SIZE:							

**ADDITIONAL NOTES/COMMENTS**

**ALL MELTING AND MANUFACTURING TOOK PLACE IN THE USA. NO REPAIRS BY WELDING. NO MERCURY OR MERCURY COMPOUNDS ARE ADDED TO THE STEEL AND ALL MERCURY BEARING EQUIPMENT IS PROTECTED BY A DOUBLE BOUNDARY OF CONTAINMENT.**

THIS IS TO CERTIFY THAT THE PRODUCT DESCRIBED HEREIN WAS MANUFACTURED SAMPLED, TESTED AND/OR INSPECTED IN ACCORDANCE WITH THE SPECIFICATION AND FULFILLS THE REQUIREMENTS IN SUCH RESPECTS.

PREPARED BY THE OFFICE OF **F. J. MIKULSKI MGR. RET. &**  
**O.A. USS TUBULAR PRODUCTS**

DATE **05/21/99**



# North Star Steel Ohio Seamless Tubular Products

## CERTIFIED TEST REPORT

HEAT NO: 9LN M20142 ✓

**PRODUCT DESCRIPTION:**

OD: 6.675 WALL 0.582 LBS / FY 35.39 PEB DRL LP

SEAMLESS HOT ROLLED

GRADE: API 5L X42/B Rev. April 1, 1995

**CUSTOMER:**

NESD MILL ORDER NO:  
45980

CUSTOMER ORDER NUMBER:  
81780

NESH WID NO:

CUSTOMER SPEC:

NESH LOT NO

**MECHANICAL PROPERTIES: LONGITUDINAL**

SPECIMEN CROSS SECTION			STRENGTH (KSI)		ELONGATION	
WIDTH (IN)	THICK (IN)	AREA (SQIN)	YIELD	TENSILE	GAGE LENGTH	% ELONG
1.446	0.648	0.8001	47.5	71.8	2	41.2
0.000	0.000	0.0000	0.0	0.0	0	0.0
0.000	0.000	0.0000	0.0	0.0	0	0.0
0.000	0.000	0.0000	0.0	0.0	0	0.0

**COMMENTS:** Melted and Manufactured in the U.S.A.

This pipe is also manufactured to:  
ASTM A106B/C Rev. 87a  
ASTM A53B Rev. 87  
ASME SA106B/C Rev. 85  
ASME SA53B Rev. 86

Electromagnetic Inspected. Reference Standard was a test joint with 10% ID and OD Longitudinal and Transverse notches.  
**CHEMICAL ANALYSIS: M5 01**

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Cb	V	Al	Ca	B	Ti	N	CE
HEAT	0.18	0.80	0.010	0.004	0.26	0.14	0.09	0.12	0.03	0.010	0.001	0.001	0.032	0.001	0.0001	0.004	0.0108	0.36
PRODUCT #	0.19	0.80	0.010	0.005	0.28	0.14	0.09	0.11	0.03	0.009	0.001	0.001	0.031	0.002	0.0001	0.003	0.0091	0.37
PRODUCT #	0.18	0.80	0.009	0.004	0.28	0.13	0.09	0.11	0.03	0.007	0.001	0.001	0.030	0.002	0.0001	0.003	0.0000	0.36
PRODUCT #	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.0000	0.00
PRODUCT #	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.0000	0.00

HYDROSTATIC TEST (psi): 3000 a minimum of 5 seconds

**SUPPLEMENTAL REQUIREMENTS:**

	YES	NO	REMARKS
HARDNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	RB AVG 78
CHARPY	<input type="checkbox"/>	<input type="checkbox"/>	
FLATTENING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PASSED
NACE TEST	<input type="checkbox"/>	<input type="checkbox"/>	
JOMINY	<input type="checkbox"/>	<input type="checkbox"/>	
GRAIN SIZE	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER	<input type="checkbox"/>	<input type="checkbox"/>	Satisfies NACE MR-01-75

This material has been produced and tested in accordance with the requirements of applicable specifications unless otherwise listed below. We hereby certify that the above test results are representative of those contained in the records of the company. Any modification to this certification as provided by North Star Steel negates the validity of this test report. North Star Steel is not responsible for the inability of this material to meet specific applications.

SIGNED: Jeff Schultz  
DATE: 3/3/99

DRIFT PLUG SIZE: \_\_\_\_\_ INCHES

SWORN AND SUBSCRIBED TO BEFORE

THIS \_\_\_\_\_ DAY \_\_\_\_\_

NOTARY PUBLIC  
MY COMMISSION EXPIRES \_\_\_\_\_

THIS CERTIFICATE IS NOTORIZED ONLY WHEN REQUESTED









**APPENDIX N**  
**CEMENT REPORTS**

# Casing Hydrostatic Pressure Test Injection Well 5 - 24-inch Casing

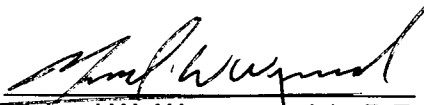
---

Time	Elapsed Time (min)	Pressure (psig)
1420	0	197.0
1425	5	197.0
1430	10	196.5
1435	15	196.0
1440	20	196.0
1445	25	196.0
1450	30	195.5
1455	35	195.0
1500	40	195.0
1505	45	195.0
1510	50	194.5
1515	55	194.0
1520	60	194.0

*Date of Test* November 5, 1999  
*Witnesses* Michael Wengrenovich and Robert Yambrick, H&S  
 Jim Wheatley, Water Technology Associates  
 Len Fishkin, Florida Department of Environmental Protection  
 Mike Wilson and Jack Herron, Youngquist Brothers  
  
*Gage Serial No.* 2708412  
*Gage Certified On* October 10, 1999  
*Casing Diameter* 24 inches  
*Allowable Pressure Change* 5% ( $\pm$  9.8 psi)  
*Actual Pressure Change* - 3.0 psi  
*Test Result* PRESSURE TEST PASSED

Certified by

**HAZEN AND SAWYER, P.C.**

 8/2/00  


---

 Michael W. Wengrenovich, P.E.  
 Registration No. 34939



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000069728  
 Manufacturer: WIKA  
 Model Number: 300 PSI  
 Nomenclature: PRESSURE GAUGE (Used For IW5-24" casing)  
 Serial/I.D. # 2708412  
 Specifications: +/- 0.25% FS  
 Cal. Procedure: MP03/C1-NAV  
 KELI Control # YOU-45138

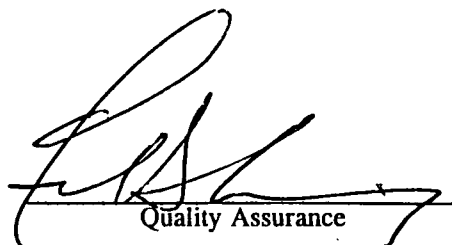
The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received? N Cal. Tech:012 Relative Humidity: 50% Temperature: 74 Deg. F

In-House  Cal. Cycle: 12 Mos. Calibration Date: 10/12/1999 Calibration Due: 10/12/2000

Remarks: UNIT RECEIVED READING HIGH ON ALL RANGES, ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

I.D. #	<u>Standards Used</u>	Cal. Date	Cal. Due
331	AMETEK T-150 DEAD WEIGHT TESTER	09/07/1999	09/06/2001



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Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 193531

KELI Control # YOU-45138

Manufacturer: WIKA
Model: 300 PSI

Serial / I.D.: 2708412
Description: PRESSURE GAUGE

Table with 7 columns: RANGE, APPLIED, READING PRE-CAL, READING POST-CAL, LOW LIMIT, HIGH LIMIT, SPECIFICATIONS. Rows include 0-300 PSI range with applied values 50, 100, 150, 200, 300 and corresponding readings and limits.

In tolerance when received' NO

Temperature: Deg. F74 R.H. 50

Remarks: \*\*ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

I.D.# STANDARDS USED
331 AMETEK T-150 DEAD WEIGHT TESTER

CAL DATE CAL DUE
September 1999 September 1901

Procedure Used: MP03/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications.

Calibration Date: 10/12/1999

Cal. Tech: 012

Calibration Due: 10/12/2000

Handwritten signature and 'Approved By' text.







Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000063668  
 Manufacturer: MCDANIEL  
 Model Number: 300 PSI  
 Nomenclature: PRESSURE TEST GAUGE  
 Serial/I.D. # BA0483  
 Specifications: +/- 0.25%FS  
 Cal. Procedure: MP03/C1-NAV  
 KELI Control # BAR-37617

The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received?  N    Cal. Tech:012    Relative Humidity: 51%    Temperature: 74 Deg. F

In-House  Y    Cal. Cycle: 12 Mos.    Calibration Date: 04/19/1999    Calibration Due: 04/19/2000

Remarks: \*\*ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

<u>Standards Used</u>		Cal. Date	Cal. Due
I.D. #			
331	AMETEK T-150 DEAD WEIGHT TESTER	07/22/1997	07/22/1999



Quality Assurance



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 184330

KELI Control # BAR-37617

Manufacturer:: MCDANIEL

Serial / I.D: BA0483

Model: 300 PSI

Description: PRESSURE TEST GAUGE

<u>RANGE</u>	<u>APPLIED</u>	<u>READING PRE-CAL</u>	<u>READING POST-CAL</u>	<u>LOW LIMIT</u>	<u>HIGH LIMIT</u>	<u>SPECIFICATIONS</u>
300 PSI	50	**86.5	50.0	49.25	50.75	+/- .25% of Full Scale
	100	**136.5	100.0	99.25	100.75	
	150	**186.5	150.5	149.25	150.75	
	200	**237.0	200.5	199.25	200.75	
	300	OFFSCALE	300.5	299.25	300.75	

In tolerance when received? NO

Temperature: Deg. F 74 R.H. 51 %

Remarks: \*\*ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

<u>I.D.#</u>	<u>STANDARDS USED</u>
331	AMETEK T-150 DEAD WEIGHT TESTER

<u>CAL DATE</u>	<u>CAL DUE</u>
July 1997	July 1999

Procedure Used: MP03/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANS/NCSL Z540-1.

Calibration Date: 04/19/1999

Cal. Tech: 012

Calibration Due: 04/19/2000

Approved By



# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000071983  
 Manufacturer: MCDANIEL  
 Model Number: 160 PSI  
 Nomenclature: PRESSURE GAUGE (Used For MW-3) 16" Casing)  
 Serial/I.D. # 8064187  
 Specifications: +/-0.25% FS  
 Cal. Procedure: MP06/C1-NAV  
 KELI Control # YOU-55274

The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received? Y Cal. Tech:045 Relative Humidity: 51% Temperature: 73 Deg. F

In-House  Cal. Cycle: 12 Mos. Calibration Date: 12/08/1999 Calibration Due: 12/08/2000

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

<u>Standards Used</u>		Cal. Date	Cal. Due
I.D. #			
391	EATON UPS 3000BAA PRESSURE INDICATOR	11/09/1999	11/09/2000

  
 Fred King  
 Quality Assurance



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 197236

KELI Control # YOU-55274

Manufacturer: MCDANIEL

Model: 160 PSI

Serial / I.D: 8064187

Description: PRESSURE GAUGE

<u>RANGE</u>	<u>APPLIED</u>	<u>READING PRE-CAL</u>	<u>READING POST-CAL</u>	<u>LOW LIMIT</u>	<u>HIGH LIMIT</u>	<u>SPECIFICATIONS</u>
0 - 160 PSI	20	20.0	20.0	19.6	20.4	+/- 0.25% of Full Scale
	50	50.2	50.2	49.6	50.4	
	80	80.2	80.2	79.6	80.4	
	120	120.2	120.2	119.6	120.4	
	160	160.4	160.4	159.6	160.4	

In tolerance when received' YES

Temperature: Deg. F 73 R.H. 51

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

I.D.# 391 STANDARDS USED EATON UPS 3000BAA PRESSURE INDICATOR

CAL DATE November 1999 CAL DUE November 2000

Procedure Used: MP06/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NC SL Z540-1.

Calibration Date: 12/08/1999

Cal. Tech: 045

Calibration Due: 12/08/2000

Handwritten signature and 'Approved By' text





Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000071983  
 Manufacturer: MCDANIEL  
 Model Number: 160 PSI  
 Nomenclature: PRESSURE GAUGE (Used For MW-3) 16" Casing  
 Serial/I.D. # 8064187 & 6 5/8" Casing  
 Specifications: +/-0.25% FS  
 Cal. Procedure: MP06/C1-NAV  
 KELI Control # YOU-55274

The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received? Y Cal. Tech:045 Relative Humidity: 51% Temperature: 73 Deg. F

In-House  Cal. Cycle: 12 Mos. Calibration Date: 12/08/1999 Calibration Due: 12/08/2000

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

<u>Standards Used</u>		Cal. Date	Cal. Due
I.D. #			
391	EATON UPS 3000BAA PRESSURE INDICATOR	11/09/1999	11/09/2000

  
 Fred King  
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Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 197236

KELI Control # YOU-55274

Manufacturer: MCDANIEL

Model: 160 PSI

Serial / I.D: 8064187

Description: PRESSURE GAUGE

<u>RANGE</u>	<u>APPLIED</u>	<u>READING PRE-CAL</u>	<u>READING POST-CAL</u>	<u>LOW LIMIT</u>	<u>HIGH LIMIT</u>	<u>SPECIFICATIONS</u>
0 - 160 PSI	20	20.0	20.0	19.6	20.4	+/- 0.25% of Full Scale
	50	50.2	50.2	49.6	50.4	
	80	80.2	80.2	79.6	80.4	
	120	120.2	120.2	119.6	120.4	
	160	160.4	160.4	159.6	160.4	

In tolerance when received' YES

Temperature: Deg. F 73 R.H. 51

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

ID.# 391 STANDARDS USED EATON UPS 3000BAA PRESSURE INDICATOR

CAL DATE November 1999 CAL. DUE November 2000

Procedure Used: MP06/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

Calibration Date: 12/08/1999

Cal. Tech: 045

Calibration Due: 12/08/2000

Handwritten signature and 'Approved By' text



**APPENDIX O**  
**CASING PRESSURE TESTS**

# Casing Hydrostatic Pressure Test Injection Well 5 - 24-inch Casing

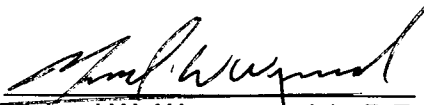
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Time	Elapsed Time (min)	Pressure (psig)
1420	0	197.0
1425	5	197.0
1430	10	196.5
1435	15	196.0
1440	20	196.0
1445	25	196.0
1450	30	195.5
1455	35	195.0
1500	40	195.0
1505	45	195.0
1510	50	194.5
1515	55	194.0
1520	60	194.0

*Date of Test* November 5, 1999  
*Witnesses* Michael Wengrenovich and Robert Yambrick, H&S  
 Jim Wheatley, Water Technology Associates  
 Len Fishkin, Florida Department of Environmental Protection  
 Mike Wilson and Jack Herron, Youngquist Brothers  
  
*Gage Serial No.* 2708412  
*Gage Certified On* October 10, 1999  
*Casing Diameter* 24 inches  
*Allowable Pressure Change* 5% ( $\pm$  9.8 psi)  
*Actual Pressure Change* - 3.0 psi  
*Test Result* PRESSURE TEST PASSED

Certified by

**HAZEN AND SAWYER, P.C.**

 8/2/00  


---

 Michael W. Wengrenovich, P.E.  
 Registration No. 34939



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000069728  
 Manufacturer: WIKA  
 Model Number: 300 PSI  
 Nomenclature: PRESSURE GAUGE (Used For IW5-24" casing)  
 Serial/I.D. # 2708412  
 Specifications: +/- 0.25% FS  
 Cal. Procedure: MP03/C1-NAV  
 KELI Control # YOU-45138

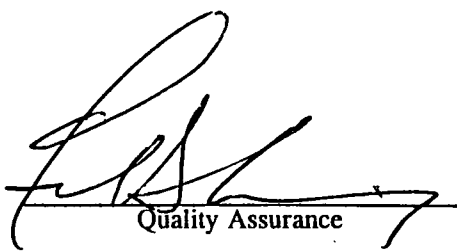
The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received? N Cal. Tech:012 Relative Humidity: 50% Temperature: 74 Deg. F

In-House  Cal. Cycle: 12 Mos. Calibration Date: 10/12/1999 Calibration Due: 10/12/2000

Remarks: UNIT RECEIVED READING HIGH ON ALL RANGES, ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

I.D. #	<u>Standards Used</u>	Cal. Date	Cal. Due
331	AMETEK T-150 DEAD WEIGHT TESTER	09/07/1999	09/06/2001



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Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 193531

KELI Control # YOU-45138

Manufacturer: WIKA
Model: 300 PSI

Serial / I.D.: 2708412
Description: PRESSURE GAUGE

Table with 7 columns: RANGE, APPLIED, READING PRE-CAL, READING POST-CAL, LOW LIMIT, HIGH LIMIT, SPECIFICATIONS. Rows include 0-300 PSI range with applied values 50, 100, 150, 200, 300 and corresponding readings and limits.

In tolerance when received' NO

Temperature: Deg. F74 R.H. 50

Remarks: \*\*ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

I.D.# STANDARDS USED
331 AMETEK T-150 DEAD WEIGHT TESTER

CAL DATE CAL DUE
September 1999 September 1901

Procedure Used: MP03/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications.

Calibration Date: 10/12/1999

Cal. Tech: 012

Calibration Due: 10/12/2000

Handwritten signature and 'Approved By' text.

# Casing Hydrostatic Pressure Test Injection Well 6 - 24-inch Casing

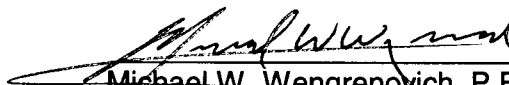
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<b>Time</b>	<b>Elapsed Time (min)</b>	<b>Pressure (psig)</b>
1134	0	232
1139	5	232
1144	10	232
1149	15	232
1154	20	232
1159	25	232 ½
1204	30	232 ½
1209	35	232 ½
1214	40	232 ½
1219	45	232 ½
1224	50	233
1229	55	233
1234	60	233

*Date of Test* June 24, 1999  
*Witnesses* Christina Garcia-Marquez and Robert Yambrick, H&S  
Mark Silverman, Fla. Department of Environmental Protection  
Mike Wilson, Youngquist Brothers  
*Gage Serial No.* BA0483  
*Gage Certified On* April 19, 1999  
*Allowable Pressure Change* 5% (11.6 psi)  
*Actual Pressure Change* + 1.0 psi  
*Test Result* PRESSURE TEST PASSED

Certified by

**HAZEN AND SAWYER, P.C.**

  
Michael W. Wengrenowich, P.E. 8/2/00  
Registration No. 34939



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000063668  
 Manufacturer: MCDANIEL  
 Model Number: 300 PSI  
 Nomenclature: PRESSURE TEST GAUGE  
 Serial/I.D. # BA0483  
 Specifications: +/- 0.25%FS  
 Cal. Procedure: MP03/C1-NAV  
 KELI Control # BAR-37617

The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received? N Cal. Tech:012 Relative Humidity: 51% Temperature: 74 Deg. F

In-House  Cal. Cycle: 12 Mos. Calibration Date: 04/19/1999 Calibration Due: 04/19/2000

Remarks: \*\*ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

<u>Standards Used</u>		Cal. Date	Cal. Due
I.D. #			
331	AMETEK T-150 DEAD WEIGHT TESTER	07/22/1997	07/22/1999



Quality Assurance



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 184330

KELI Control # BAR-37617

Manufacturer:: MCDANIEL

Serial / I.D: BA0483

Model: 300 PSI

Description: PRESSURE TEST GAUGE

<u>RANGE</u>	<u>APPLIED</u>	<u>READING PRE-CAL</u>	<u>READING POST-CAL</u>	<u>LOW LIMIT</u>	<u>HIGH LIMIT</u>	<u>SPECIFICATIONS</u>
300 PSI	50	**86.5	50.0	49.25	50.75	+/- .25% of Full Scale
	100	**136.5	100.0	99.25	100.75	
	150	**186.5	150.5	149.25	150.75	
	200	**237.0	200.5	199.25	200.75	
	300	OFFSCALE	300.5	299.25	300.75	

In tolerance when received? NO

Temperature: Deg. F 74 R.H. 51 %

Remarks: \*\*ADJUSTED TO MEET MANUFACTURERS SPECIFICATIONS

<u>I.D.#</u>	<u>STANDARDS USED</u>
331	AMETEK T-150 DEAD WEIGHT TESTER

<u>CAL DATE</u>	<u>CAL DUE</u>
July 1997	July 1999

Procedure Used: MP03/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANS/NCSL Z540-1.

Calibration Date: 04/19/1999

Cal. Tech: 012

Calibration Due: 04/19/2000

Approved By





# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000071983  
 Manufacturer: MCDANIEL  
 Model Number: 160 PSI  
 Nomenclature: PRESSURE GAUGE (Used For MW-3) 16" Casing)  
 Serial/I.D. # 8064187  
 Specifications: +/-0.25% FS  
 Cal. Procedure: MP06/C1-NAV  
 KELI Control # YOU-55274

The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received? Y Cal. Tech:045 Relative Humidity: 51% Temperature: 73 Deg. F

In-House  Cal. Cycle: 12 Mos. Calibration Date: 12/08/1999 Calibration Due: 12/08/2000

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

<u>Standards Used</u>		Cal. Date	Cal. Due
I.D. #			
391	EATON UPS 3000BAA PRESSURE INDICATOR	11/09/1999	11/09/2000

  
 Fred King  
 Quality Assurance



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 197236

KELI Control # YOU-55274

Manufacturer: MCDANIEL

Model: 160 PSI

Serial / I.D: 8064187

Description: PRESSURE GAUGE

<u>RANGE</u>	<u>APPLIED</u>	<u>READING PRE-CAL</u>	<u>READING POST-CAL</u>	<u>LOW LIMIT</u>	<u>HIGH LIMIT</u>	<u>SPECIFICATIONS</u>
0 - 160 PSI	20	20.0	20.0	19.6	20.4	+/- 0.25% of Full Scale
	50	50.2	50.2	49.6	50.4	
	80	80.2	80.2	79.6	80.4	
	120	120.2	120.2	119.6	120.4	
	160	160.4	160.4	159.6	160.4	

In tolerance when received' YES

Temperature: Deg. F 73 R.H. 51

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

I.D.# 391 STANDARDS USED EATON UPS 3000BAA PRESSURE INDICATOR

CAL DATE November 1999 CAL DUE November 2000

Procedure Used: MP06/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NC SL Z540-1.

Calibration Date: 12/08/1999

Cal. Tech: 045

Calibration Due: 12/08/2000

Handwritten signature and 'Approved By' text

# Casing Hydrostatic Pressure Test Monitor Well 3 - 6<sup>5</sup>/<sub>8</sub>-inch Casing


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Time	Elapsed Time (min)	Pressure (psig)
1905	0	75.0
1910	5	75.3
1915	10	75.5
1920	15	75.8
1925	20	76.0
1930	25	76.3
1935	30	76.5
1940	35	76.8
1945	40	77.0
1950	45	77.3
1955	50	77.5
2000	55	77.8
2005	60	78.0

*Date of Test* February 15, 2000  
*Witnesses* Robert Yambrick, Hazen and Sawyer  
 Jack Herron, Youngquist Brothers  
*Gage Serial No.* 8064187  
*Gage Certified On* December 12, 1999  
*Casing Diameter* 6-5/8 inches  
*Allowable Pressure Change* 5% ( $\pm$  3.75 psi)  
*Actual Pressure Change* + 3.0 psi  
*Test Result* PRESSURE TEST PASSED

Certified by

**HAZEN AND SAWYER, P.C.**

  
 Michael W. Wengrenovich, P.E. 2/12/00  
 Registration No. 34939



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

# Certificate of Calibration

Customer: YOUNGQUIST BROTHERS, INC.  
 Certificate # 0000071983  
 Manufacturer: MCDANIEL  
 Model Number: 160 PSI  
 Nomenclature: PRESSURE GAUGE (Used For MW-3) 16" Casing  
 Serial/I.D. # 8064187 & 6 5/8" Casing  
 Specifications: +/-0.25% FS  
 Cal. Procedure: MP06/C1-NAV  
 KELI Control # YOU-55274

The accuracy and calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. or derived by the ratio type of self-calibration techniques and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

In Tolerance When Received? Y Cal. Tech:045 Relative Humidity: 51% Temperature: 73 Deg. F

In-House  Cal. Cycle: 12 Mos. Calibration Date: 12/08/1999 Calibration Due: 12/08/2000

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

<u>Standards Used</u>		Cal. Date	Cal. Due
I.D. #			
391	EATON UPS 3000BAA PRESSURE INDICATOR	11/09/1999	11/09/2000

  
 Fred King  
 Quality Assurance

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mikert 8/98



Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

YOUNGQUIST BROTHERS, INC.

Certificate Of Test # 197236

KELI Control # YOU-55274

Manufacturer: MCDANIEL

Model: 160 PSI

Serial / I.D: 8064187

Description: PRESSURE GAUGE

<u>RANGE</u>	<u>APPLIED</u>	<u>READING PRE-CAL</u>	<u>READING POST-CAL</u>	<u>LOW LIMIT</u>	<u>HIGH LIMIT</u>	<u>SPECIFICATIONS</u>
0 - 160 PSI	20	20.0	20.0	19.6	20.4	+/- 0.25% of Full Scale
	50	50.2	50.2	49.6	50.4	
	80	80.2	80.2	79.6	80.4	
	120	120.2	120.2	119.6	120.4	
	160	160.4	160.4	159.6	160.4	

In tolerance when received' YES

Temperature: Deg. F 73 R.H. 51

Remarks: ROUTINE CALIBRATION/CERTIFICATION/PREVENTIVE MAINTENANCE.

ID.# 391 STANDARDS USED EATON UPS 3000BAA PRESSURE INDICATOR

CAL DATE November 1999 CAL DUE November 2000

Procedure Used: MP06/C1-NAV

Accuracy: MANUFACTURERS

The accuracy & calibration of this instrument is traceable to the National Institute of Standards and Technology through certified standards maintained in the laboratories of KELI Inc. and is guaranteed to meet published specifications. The metrology procedures utilized satisfy the requirements set forth in ANSI/NCSL Z540-1.

Calibration Date: 12/08/1999

Cal. Tech: 045

Calibration Due: 12/08/2000

Handwritten signature and 'Approved By' text

**APPENDIX P**

**BACKGROUND**  
**WATER QUALITY TEST RESULTS**

# **IW5 Background Water Quality**



Date 02-Dec-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road

Fort Myers, FL 33908-

INTAKE #: 362

Project Name: BCNRWWTP  
 Project Location: IW-5 (Injection Zone)  
 Sample Supply: Water  
 Collector: Mike Wilson  
 Sample Received Date/Time: 11/2/99 17:00

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Inorganic Analysis</b>									
62-550.310(1)									
PWS030									
1005	Arsenic (0.05)	J990755	<0.0022	mg/L	EPA 206.2	11/5/99	0.0022	84352	ua
1010	Barium (2)	J990755	0.91	mg/L	EPA 208.2	11/4/99	0.200	84352	ua
1015	Cadmium (0.005)	J990755	<0.003	mg/L	EPA 213.1	11/12/99	0.003	84352	ua
1020	Chromium (0.1)	J990755	0.037	mg/L	EPA 218.1	11/12/99	0.020	84352	ua
1024	Cyanide (0.2)	J990755	<0.02	mg/L	EPA 335.2	11/5/99	0.02	83331	ua
1025	Fluoride (4.0)	J990755	0.95	mg/L	EPA 340.2	11/24/99	0.1	84352	ua
1030	Lead (0.015)	J990755	<0.001	mg/L	EPA 239.2	11/4/99	0.001	84352	ua
1035	Mercury (0.002)	J990755	<0.001	mg/L	EPA 245.1	11/4/99	0.001	84352	ua
1036	Nickel (0.1)	J990755	<0.010	mg/L	EPA 249.1	11/12/99	0.010	84352	ua
1040	Nitrate (10)	J990755	0.46	mg/L	EPA 353.2	11/5/99	0.01	84352	ua
1041	Nitrite (1)	J990755	<0.01	mg/L	EPA 354.1	11/3/99	0.01	84352	ua
1045	Selenium (0.05)	J990755	<0.050	mg/L	EPA 270.2	11/19/99	0.050	84352	ua
1052	Sodium (160)	J990755	12,629	mg/L	EPA 273.1	11/12/99	0.003	84352	ua
1074	Antimony (0.006)	J990755	<0.010	mg/L	EPA 200.9	11/10/99	0.010	83331	ua
1075	Beryllium (0.004)	J990755	<0.0002	mg/L	EPA 200.7	11/23/99	0.0002	83331	ua
1085	Thallium (0.002)	J990755	<0.010	mg/L	EPA 200.9	11/10/99	0.010	83331	ua

**Secondary Chemical Analysis**

62-550.320

PWS031

1002	Aluminum (0.2)	J990755	<0.2	mg/L	EPA 202.1	11/19/99	0.2	84352	ua
1017	Chloride (250)	J990755	21,884	mg/L	SM4500Cl-B	11/9/99	1	84352	ua
1022	Copper (1.0)	J990755	0.065	mg/L	EPA 220.1	11/12/99	0.01	84352	ua
1025	Fluoride (2.0)	J990755	1.58	mg/L	EPA 340.2	11/8/99	0.1	84352	ua
1028	Iron (0.3)	J990755	1.483	mg/L	EPA 236.1	11/12/99	0.015	84352	ua
1032	Manganese (0.05)	J990755	0.032	mg/L	EPA 243.1	11/12/99	0.005	84352	ua

IIRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
1050	Silver (0.1)	J990755	0.068	mg/L	EPA 272.1	11/12/99	0.010	84352	ua
1055	Sulfate (250)	J990755	2,884	mg/L	EPA 375.4	11/8/99	1	84352	ua
1095	Zinc (5.0)	J990755	<0.005	mg/L	EPA 289.1	11/12/99	0.005	84352	ua
1905	Color (15.0)	J990755	6	PtCo units	EPA 110.3	11/2/99	1	84352	ua
1920	Odor (3.0)	J990755	<1	TON	EPA 140.1	11/2/99	1	84352	ua
1925	pH (6.5-8.5)	J990755	7.63	std units	EPA 150.1	11/2/99	n/a	84352	ua
1930	Total Dissolved Solids (500)	J990755	30,450	mg/L	EPA 160.1	11/8/99	7	84352	ua
2905	Foaming Agents (1.5)	J990755	0.07	mg/L	SM 5540C	11/4/99	0.05	83331	ua

### Volatile Organic Analysis

62-550.310(2)(b)

PWS028

2378	1,2,4-Trichlorobenzene (70)	J990755	<0.22	ug/L	EPA 524.2	11/9/99	0.22	83331	ua
2380	Cis-1,2-Dichloroethylene (70)	J990755	<0.03	ug/L	EPA 524.2	11/9/99	0.03	83331	ua
2955	Xylenes (Total) (10,000)	J990755	<0.24	ug/L	EPA 524.2	11/9/99	0.24	83331	ua
2964	Dichloromethane (5)	J990755	<0.31	ug/L	EPA 524.2	11/9/99	0.31	83331	ua
2968	O-Dichlorobenzene (600)	J990755	<0.05	ug/L	EPA 524.2	11/9/99	0.05	83331	ua
2969	Para-Dichlorobenzene (75)	J990755	<0.02	ug/L	EPA 524.2	11/9/99	0.02	83331	ua
2976	Vinyl Chloride (1)	J990755	<0.29	ug/L	EPA 524.2	11/9/99	0.29	83331	ua
2977	1,1-Dichloroethylene (7)	J990755	<0.02	ug/L	EPA 524.2	11/9/99	0.02	83331	ua
2979	Trans-1,2-Dichloroethylene(100)	J990755	<0.12	ug/L	EPA 524.2	11/9/99	0.12	83331	ua
2980	1,2-Dichloroethane (3)	J990755	<0.02	ug/L	EPA 524.2	11/9/99	0.02	83331	ua
2981	1,1,1-Trichloroethane (200)	J990755	<0.21	ug/L	EPA 524.2	11/9/99	0.21	83331	ua
2982	Carbon Tetrachloride (3)	J990755	<0.29	ug/L	EPA 524.2	11/9/99	0.29	83331	ua
2983	1,2-Dichloropropane (5)	J990755	<0.33	ug/L	EPA 524.2	11/9/99	0.33	83331	ua
2984	Trichloroethylene (3)	J990755	<0.02	ug/L	EPA 524.2	11/9/99	0.02	83331	ua
2985	1,1,2-Trichloroethane (5)	J990755	<0.23	ug/L	EPA 524.2	11/9/99	0.23	83331	ua
2987	Tetrachloroethylene (3)	J990755	<0.21	ug/L	EPA 524.2	11/9/99	0.21	83331	ua
2989	Monochlorobenzene (100)	J990755	<0.23	ug/L	EPA 524.2	11/9/99	0.23	83331	ua
2990	Benzene (1)	J990755	<0.05	ug/L	EPA 524.2	11/9/99	0.05	83331	ua
2991	Toluene (1000)	J990755	<0.41	ug/L	EPA 524.2	11/9/99	0.41	83331	ua
2992	Ethylbenzene (700)	J990755	<0.47	ug/L	EPA 524.2	11/9/99	0.47	83331	ua
2996	Styrene (100)	J990755	<0.20	ug/L	EPA 524.2	11/9/99	0.20	83331	ua

### Pesticide/PCB Chemical Analysis

62-550.310(2)(c)

PWS029

2005	Endrin (2)	J990755	<0.002	ug/L	EPA 508	11/13/99	0.002	83331	ua
2010	Lindane (0.2)	J990755	<0.002	ug/L	EPA 508	11/13/99	0.002	83331	ua
2015	Methoxychlor (40)	J990755	<0.052	ug/L	EPA 508	11/13/99	0.052	83331	ua
2020	Toxaphene (3)	J990755	<0.309	ug/L	EPA 508	11/13/99	0.309	83331	ua
2031	Dalapon (200)	J990755	<0.036	ug/L	EPA 515.1	11/11/99	0.036	83331	ua
2032	Diquat (20)	J990755	<0.26	ug/L	EPA 549.1	11/8/99	0.26	83331	ua
2033	Endothall (100)	J990755	<15.4	ug/L	EPA 548	11/10/99	15.4	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2034	Glyphosate (700)	J990755	<9.44	ug/L	EPA 547	11/16/99	9.44	83331	ua
2035	Di(2-ethylhexyl) adipate (400)	J990755	<0.71	ug/L	EPA 525.2	11/9/99	0.71	83331	ua
2036	Oxamyl (Vydate) (200)	J990755	<2.57	ug/L	EPA 531.1	11/10/99	2.57	83331	ua
2037	Simazine (4)	J990755	<0.078	ug/L	EPA 507	11/13/99	0.078	83331	ua
2039	Di(2-ethylhexyl) phthalate (6)	J990755	<1.15	ug/L	EPA 525.2	11/9/99	1.15	83331	ua
2040	Picloram (500)	J990755	<0.029	ug/L	EPA 515.1	11/11/99	0.029	83331	ua
2041	Dinoseb (7)	J990755	<0.055	ug/L	EPA 515.1	11/11/99	0.055	83331	ua
2042	Hexachlorocyclopentadiene(50)	J990755	<0.010	ug/L	EPA 508	11/13/99	0.010	83331	ua
2046	Carbofuran (40)	J990755	<7.04	ug/L	EPA 531.1	11/10/99	7.04	83331	ua
2050	Atrazine (3)	J990755	<0.035	ug/L	EPA 507	11/13/99	0.035	83331	ua
2051	Alachlor (2)	J990755	<0.012	ug/L	EPA 507	11/13/99	0.012	83331	ua
2065	Heptachlor (0.4)	J990755	<0.004	ug/L	EPA 508	11/13/99	0.004	83331	ua
2067	Heptachlor Epoxide (0.2)	J990755	<0.002	ug/L	EPA 508	11/13/99	0.002	83331	ua
2105	2,4-D (70)	J990755	<0.026	ug/L	EPA 515.1	11/11/99	0.026	83331	ua
2110	2,4,5-TP (Silvex) (50)	J990755	<0.017	ug/L	EPA 515.1	11/11/99	0.017	83331	ua
2274	Hexachlorobenzene (1)	J990755	<0.008	ug/L	EPA 508	11/13/99	0.008	83331	ua
2306	Benzo(a)pyrene (.2)	J990755	<0.09	ug/L	EPA 525.2	11/9/99	0.09	83331	ua
2326	Pentachlorophenol (1)	J990755	<0.012	ug/L	EPA 515.1	11/11/99	0.012	83331	ua
2383	PCB (0.5)	J990755	<0.1	ug/L	EPA 508	11/13/99	0.1	83331	ua
2931	Dibromochloropropane (.2)	J990755	<0.006	ug/L	EPA 504	11/9/99	0.006	83331	ua
2946	Ethylene Dibromide (0.02)	J990755	<0.006	ug/L	EPA 504	11/9/99	0.006	83331	ua
2959	Chlordane (2)	J990755	<0.446	ug/L	EPA 508	11/13/99	0.446	83331	ua

### Trihalomethane Analysis

62-550.310(2)(a)

PWS027

Chloroform	J990755	<0.00016	mg/L	EPA 524.2	11/9/99	0.00016	83331	ua
Bromodichloromethane	J990755	<0.00036	mg/L	EPA 524.2	11/9/99	0.00036	83331	ua
Dibromochloromethane	J990755	<0.00027	mg/L	EPA 524.2	11/9/99	0.00027	83331	ua
Bromoform	J990755	<0.00031	mg/L	EPA 524.2	11/9/99	0.00031	83331	ua
Total TTHMs	J990755	<0.00036	mg/L	EPA 524.2	11/9/99	0.00036	83331	ua

### Radiochemical Analysis

62-550.310(5)

PWS033

4000	Gross Alpha	J990755	8.7	pCi/L	EPA 900.0	11/11/99	+/-4.3	83141	ua
4020	Radium 226	J990755	7.3	pCi/L	EPA 903.1	11/11/99	+/-0.5	83141	ua
4030	Radium 228	J990755	<0.8	pCi/L	Brks/Blnchrđ	11/11/99	+/-0.5	83141	ua

### Unregulated Group I Analysis

62-550.405

PWS035

2021	Carbaryl	J990755	<3.89	ug/L	EPA 531.1	11/10/99	3.89	83331	ua
2022	Methomyl	J990755	<3.20	ug/L	EPA 531.1	11/10/99	3.20	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2043	Aldicarb Sulfoxide	J990755	<1.88	ug/L	EPA 531.1	11/10/99	1.88	83331	ua
2044	Aldicarb Sulfone	J990755	<5.57	ug/L	EPA 531.1	11/10/99	5.57	83331	ua
2045	Metolachlor	J990755	<0.108	ug/L	EPA 507	11/13/99	0.108	83331	ua
2047	Aldicarb	J990755	<5.95	ug/L	EPA 531.1	11/10/99	5.95	83331	ua
2066	3-Hydroxycarbofuran	J990755	<3.35	ug/L	EPA 531.1	11/10/99	3.35	83331	ua
2077	Propachlor	J990755	<5	ug/L	EPA 508	11/13/99	5	83331	ua
2356	Aldrin	J990755	<0.005	ug/L	EPA 508	11/13/99	0.005	83331	ua
2364	Dieldrin	J990755	<0.020	ug/L	EPA 508	11/13/99	0.020	83331	ua
2440	Dicamba	J990755	<0.005	ug/L	EPA 515.1	11/11/99	0.005	83331	ua
2595	Metribuzin	J990755	<0.024	ug/L	EPA 507	11/13/99	0.024	83331	ua
2076	Butachlor	J990755	<0.021	ug/L	EPA 508	11/13/99	0.021	83331	ua

### Unregulated Group II Analysis

62-550.410

PWS034

2210	Chloromethane	J990755	<0.35	ug/L	EPA 524.2	11/9/99	0.35	83331	ua
2212	Dichlorodifluoromethane	J990755	<0.26	ug/L	EPA 524.2	11/9/99	0.26	83331	ua
2214	Bromomethane	J990755	<0.29	ug/L	EPA 524.2	11/9/99	0.29	83331	ua
2216	Chloroethane	J990755	<0.29	ug/L	EPA 524.2	11/9/99	0.29	83331	ua
2218	Trichlorofluoromethane	J990755	<0.28	ug/L	EPA 524.2	11/9/99	0.28	83331	ua
2251	Methyl-Tert-Butyl-Ether	J990755	0.88	ug/L	EPA 524.2	11/9/99	0.27	83331	ua
2408	Dibromomethane	J990755	<0.03	ug/L	EPA 524.2	11/9/99	0.03	83331	ua
2410	1,1-Dichloropropylene	J990755	<0.06	ug/L	EPA 524.2	11/9/99	0.06	83331	ua
2412	1,3-Dichloropropane	J990755	<0.05	ug/L	EPA 524.2	11/9/99	0.05	83331	ua
2413	1,3-Dichloropropene	J990755	<0.21	ug/L	EPA 524.2	11/9/99	0.21	83331	ua
2414	1,2,3-Trichloropropane	J990755	<0.39	ug/L	EPA 524.2	11/9/99	0.39	83331	ua
2416	2,2-Dichloropropane	J990755	<0.38	ug/L	EPA 524.2	11/9/99	0.38	83331	ua
2941	Chloroform	J990755	<0.16	ug/L	EPA 524.2	11/9/99	0.16	83331	ua
2942	Bromoform	J990755	<0.31	ug/L	EPA 524.2	11/9/99	0.31	83331	ua
2943	Bromodichloromethane	J990755	<0.36	ug/L	EPA 524.2	11/9/99	0.36	83331	ua
2944	Dibromochloromethane	J990755	<0.27	ug/L	EPA 524.2	11/9/99	0.27	83331	ua
2965	O-Chlorotoluene	J990755	<0.33	ug/L	EPA 524.2	11/9/99	0.33	83331	ua
2966	P-Chlorotoluene	J990755	<0.29	ug/L	EPA 524.2	11/9/99	0.29	83331	ua
2967	M-Dichlorobenzene	J990755	<0.20	ug/L	EPA 524.2	11/9/99	0.20	83331	ua
2978	1,1-Dichloroethane	J990755	<0.10	ug/L	EPA 524.2	11/9/99	0.10	83331	ua
2986	1,1,1,2-Tetrachloroethane	J990755	<0.13	ug/L	EPA 524.2	11/9/99	0.13	83331	ua
2988	1,1,2,2-Tetrachloroethane	J990755	<0.33	ug/L	EPA 524.2	11/9/99	0.33	83331	ua
2993	Bromobenzene	J990755	<0.05	ug/L	EPA 524.2	11/9/99	0.05	83331	ua

### Unregulated Group III Analysis

62-550.415

PWS036 & 037

2262	Isophorone	J990755	<7.26	ug/L	EPA 625	11/12/99	7.26	83331	ua
2270	2,4-Dinitrotoluene	J990755	<4.78	ug/L	EPA 625	11/12/99	4.78	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2282	Dimethylphthalate	J990755	<9.47	ug/L	EPA 625	11/12/99	9.47	83331	ua
2284	Diethylphthalate	J990755	<4.30	ug/L	EPA 625	11/12/99	4.30	83331	ua
2290	Di-n-Butylphthalate	J990755	<4.01	ug/L	EPA 625	11/12/99	4.01	83331	ua
2294	Butyl benzyl phthalate	J990755	<2.55	ug/L	EPA 625	11/12/99	2.55	83331	ua
9089	Di-n-octylphthalate	J990755	<2.43	ug/L	EPA 625	11/12/99	2.43	83331	ua
9108	2-Chlorophenol	J990755	<4.10	ug/L	EPA 625	11/12/99	4.10	83331	ua
9112	2-Methyl-4,6-dinitrophenol	J990755	<4.00	ug/L	EPA 625	11/12/99	4.00	83331	ua
9115	Phenol	J990755	<2.60	ug/L	EPA 625	11/12/99	2.60	83331	ua
9116	2,4,6-Trichlorophenol	J990755	<4.66	ug/L	EPA 625	11/12/99	4.66	83331	ua

### EPA 625 - Semivolatile Organics

Naphthalene	J990755	<10	ug/L	EPA 625	11/12/99	10	83331	ua
Phenanthrene	J990755	<10	ug/L	EPA 625	11/12/99	10	83331	ua
Anthracene	J990755	<10	ug/L	EPA 625	11/12/99	10	83331	ua
Butylbenzylphthalate	J990755	<10	ug/L	EPA 625	11/12/99	10	83331	ua

Ammonia-N	J990755	0.19	mg/L	EPA 350.3	11/5/99	0.05	84352	ua
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Nitrogen, Organic	J990755	0.63	mg/L	EPA 351.2	11/8/99	0.2	84352	ua
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Nitrogen, Total Kjeldahl	J990755	0.82	mg/L	EPA 351.2	11/8/99	0.1	84352	ua
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Ortho-phosphate	J990755	0.028	mg/L	EPA 365.2	11/4/99	0.003	84352	ua
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Phosphorus, Total	J990755	0.064	mg/L	EPA 365.2	11/4/99	0.003	84352	ua
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Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
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BOD		J990755	2.5	mg/L	EPA 405.1	11/4/99	13:20	1 84352	ua
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Dioxin - 2,3,7,8-TCDD		J990755	<2.4	pg/L	EPA 1613B	11/17/99	2.4	87424	ua
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Asbestos		J990755	<1.1	ms/L	EPA 100.2	11/9/99	1.1	86541	ua
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### Field Data

pH, Field		J990755	7.63	std unit	EPA 150.1	11/2/99	n/a	84352	ua
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Conductivity		J990755	49,100	umhos/cm	EPA 120.1	11/2/99	1.0	84352	ua
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Total Coliform		J990755	<1	col/100ml	SM9222B	11/2/99	17:30	1 86566	ua
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Approved by:



Debra Sanders  
Laboratory Director

Comments:





RECORDED  
HAYEN AND SONS  
Hollywood, Florida

INTAKE #: 353

DEC 6 1999

Date: 02-Dec-99

Youngquist Brothers, Inc.  
15465 Pine Ridge Road  
Fort Myers, FL 33908-

Project Name:	BCNRWWTP
Project Location:	Injection Well - 5
Job ID:	(Injection Zone) JOB No. 45934
Sample Supply:	Ground Water
Collector:	Doug Dienstberger
Sample Received Date/Time:	11/3/99 17:00

Lab ID	Sample ID	Type	Sample Date/Time	Analysis	Method	Result	D. L.	Unit	Analysis Date/Time	LabID:
J990744	inj well	GRB	11/2/99 13:40							
				Nitrogen, Total Kjeldahl	EPA 351.2	0.6	0.1	mg/L	11/8/99	E84380
				Nitrogen, Organic	EPA 351.2	0.6	0.1	mg/L	11/8/99	E84380
				Nitrogen, Total	EPA 351.2/353.2	1.1	0.1	mg/L	11/8/99	E84380
				Phosphorus, Total	EPA 365.2	0.039	0.003	mg/L	11/4/99	E84380
				Ammonia-N	EPA 350.3	<0.05	0.05	mg/L	11/5/99	E84380
				Calcium	EPA 215.1	265	0.022	mg/L	11/12/99	E84380
				Iron	EPA 236.1	1.52	0.015	mg/L	11/12/99	E84380
				Magnesium	EPA 242.1	1,258	0.0008	mg/L	11/12/99	E84380
				Potassium	EPA 258.1	374	0.003	mg/L	11/12/99	E84380
				Sodium	EPA 273.1	10,229	0.003	mg/L	11/12/99	E84380
				Hydrogen Sulfide, Total	SM4500S-D	0.02	0.01	mg/L	11/4/99	E84380
				Nitrite-N	EPA 354.1	<0.01	0.01	mg/L	11/3/99	E84380
				Ortho-phosphate	EPA 365.2	0.028	0.02	mg/L	11/4/99	E84380
				Specific Gravity	SM2710F	1.0204			11/9/99	E84380
				Hardness, Total	EPA 130.2	6,800	1.0	mg/L	11/9/99	E84380
				Carbon Dioxide	Calc.	141		mg/L	11/9/99	E84380
				Sodium Hydroxide	EPA	0.003		mg/L	11/9/99	E84380
				Sulfate	EPA 300.0	2,789	0.12	mg/L	11/9/99	E84380
				Color	EPA 110.3	64	1	PtCo units	11/10/99	E84380
				Total Dissolved Solids	EPA 160.1	33,650	7.0	mg/L	11/8/99	E84380
				Chloride	SM 300.0	22,510	0.064	mg/L	11/9/99	E84380

IIRS Certification #'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

**Lab ID Sample ID Type Sample Date/Time**

<b>Analysis</b>	<b>Method</b>	<b>Result</b>	<b>D. L.</b>	<b>Unit</b>	<b>Analysis Date/Time</b>	<b>LabID:</b>
Turbidity	EPA 180.1	5.08	0.10	NTU	11/3/99	E84380
Bicarbonate Alkalinity	SM4500CO2D	119		mg/L	11/9/99	E84380
Carbonate Alkalinity	SM4500CO2D	0.01		mg/L	11/9/99	E84380
Non-Carb. Hardness	Cal.	6,681		mg/L	11/9/99	E84380
pH, Field	EPA 150.1	7.50	n/a	std unit	11/2/99	E84380
Conductivity	EPA 120.1	46,120	1.0	umhos/cm	11/2/99	E84380
Water Temperature	EPA 170.1	20.2	0.1	°C	11/2/99	E84380
Nitrate-N	EPA 353.2	0.49	0.01	mg/L	11/5/99	E84380

**Comments:**

**Approved by:**



**Debra Sanders  
Laboratory Director**



Client Youngquist Bros,  
Ft. Myers, Fla.

Report To: \_\_\_\_\_  
Bill To: \_\_\_\_\_  
P.O. # \_\_\_\_\_  
Project Name Well Sampling  
Project Location: Broward WWTB

Sample Supply: Well Water  
Customer Type: \_\_\_\_\_  
Field Report #: \_\_\_\_\_  
Kit # \_\_\_\_\_  
REQUESTED DUE DATE \_\_\_\_\_

Sampled By (PRINT) DOUG DIENSTBERGER

Sampler Signature Doug Dienstberger

Bottle #	SAMPLE DESCRIPTION	DATE	TIME	TYPE	PRESERVATIVES					ANALYSES REQUEST											Sample ID #			
					4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	Zn Ac/Nc/Nc/Nc	TKN	Ca	Mg	NO <sub>3</sub>	NO <sub>2</sub>	Specific Gravity	T. Hard.	Calc.	Mg.	SO <sub>4</sub>		Turbid.	Non-Comb. Hardness	
<u>1</u>	<u>Injection Well</u>	<u>11/2/99</u>	<u>13:40</u>	<u>GW.</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>99-0744</u>

Bottle Lot #	SHIPMENT METHOD	VIA	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	<u>OUT / DATE</u>	<u>RETURNED DATE</u>	<u>D. Dienstberger</u>	<u>11/2/99</u>	<u>17:00</u>	<u>Jamie / [Signature]</u>	<u>11/3/99</u>	<u>17:00</u>

COMMENTS:	COOLER #	COOLER SEAL INTACT
		Yes No

# **IW6 Background Water Quality**



Date 17-Feb-00

Youngquist Brothers, Inc.  
15465 Pine Ridge Road

Fort Myers, FL 33908-

INTAKE #: 692

Project Name: Injection Zone-IW-6  
 Project Location: Pompano  
 Sample Supply:  
 Collector: Doug Dienstberger  
 Sample Received Date/Time: 1/19/00 14:00

**FILE**

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Inorganic Analysis</b>									
62-550.310(1)									
PWS030									
1005	Arsenic (0.05)	J00093	<0.0022	mg/L	EPA 206.2	1/27/00	0.0022	84352	ua
1010	Barium (2)	J00093	0.27	mg/L	EPA 208.1	1/28/00	0.200	84352	ua
1015	Cadmium (0.005)	J00093	<0.003	mg/L	EPA 213.1	1/28/00	0.003	84352	ua
1020	Chromium (0.1)	J00093	<0.02	mg/L	EPA 218.1	1/28/00	0.020	84352	ua
1024	Cyanide (0.2)	J00093	<0.006	mg/L	EPA 335.2	1/21/00	0.006	83331	ua
1025	Fluoride (4.0)	J00093	0.72	mg/L	EPA 340.2	1/19/00	0.1	84352	ua
1030	Lead (0.015)	J00093	<0.001	mg/L	EPA 239.2	1/19/00	0.001	84352	ua
1035	Mercury (0.002)	J00093	<0.001	mg/L	EPA 245.1	1/25/00	0.001	84352	ua
1036	Nickel (0.1)	J00093	0.042	mg/L	EPA 249.1	2/8/00	0.010	84352	ua
1040	Nitrate (10)	J00093	<0.01	mg/L	EPA 353.2	1/19/00	0.01	84352	ua
1041	Nitrite (1)	J00093	<0.01	mg/L	EPA 354.1	1/19/00	0.01	84352	ua
1045	Selenium (0.05)	J00093	0.007	mg/L	EPA 270.2	2/8/00	0.004	84352	ua
1052	Sodium (160)	J00093	2,385	mg/L	EPA 273.1	1/24/00	0.003	84352	ua
1074	Antimony (0.006)	J00093	<0.002	mg/L	EPA 200.9	1/27/00	0.002	83331	ua
1075	Beryllium (0.004)	J00093	<0.0001	mg/L	EPA 200.7	1/24/00	0.0001	83331	ua
1085	Thallium (0.002)	J00093	<0.009	mg/L	EPA 200.9	1/27/00	0.009	83331	ua

**Secondary Chemical Analysis**

62-550.320

PWS031

1002	Aluminum (0.2)	J00093	<0.2	mg/L	EPA 202.1	2/2/00	0.2	84352	ua
1017	Chloride (250)	J00093	4,899	mg/L	SM4500Cl-B	1/24/00	1	84352	ua
1022	Copper (1.0)	J00093	0.017	mg/L	EPA 220.1	1/31/00	0.01	84352	ua
1025	Fluoride (2.0)	J00093	0.72	mg/L	EPA 340.2	1/19/00	0.1	84352	ua
1028	Iron (0.3)	J00093	1.16	mg/L	EPA 236.1	1/31/00	0.015	84352	ua
1032	Manganese (0.05)	J00093	0.019	mg/L	EPA 243.1	1/31/00	0.005	84352	ua

HRS Certification #'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
1050	Silver (0.1)	J00093	0.015	mg/L	EPA 272.1	1/28/00	0.010	84352	ua
1055	Sulfate (250)	J00093	679	mg/L	EPA 375.4	1/24/00	1	84352	ua
1095	Zinc (5.0)	J00093	0.013	mg/L	EPA 289.1	2/4/00	0.005	84352	ua
1905	Color (15.0)	J00093	95	PtCo units	EPA 110.3	1/20/00	1	84352	ua
1920	Odor (3.0)	J00093	1	TON	EPA 140.1	1/20/00	1	84352	ua
1925	pH (6.5-8.5)	J00093	7.23	std units	EPA 150.1	1/20/00	n/a	84352	ua
1930	Total Dissolved Solids (500)	J00093	9,130	mg/L	EPA 160.1	1/20/00	7	84352	ua
2905	Foaming Agents (1.5)	J00093	0.12	mg/L	SM5540C	1/20/00	0.02	83331	ua

### Volatile Organic Analysis

62-550.310(2)(b)

PWS028

2378	1,2,4-Trichlorobenzene (70)	J00093	<0.22	ug/L	EPA 524.2	1/21/00	0.22	83331	ua
2380	Cis-1,2-Dichloroethylene (70)	J00093	<0.03	ug/L	EPA 524.2	1/21/00	0.03	83331	ua
2955	Xylenes (Total) (10,000)	J00093	<0.24	ug/L	EPA 524.2	1/21/00	0.24	83331	ua
2964	Dichloromethane (5)	J00093	<0.31	ug/L	EPA 524.2	1/21/00	0.31	83331	ua
2968	O-Dichlorobenzene (600)	J00093	<0.2	ug/L	EPA 524.2	1/21/00	0.2	83331	ua
2969	Para-Dichlorobenzene (75)	J00093	<0.02	ug/L	EPA 524.2	1/21/00	0.02	83331	ua
2976	Vinyl Chloride (1)	J00093	<0.29	ug/L	EPA 524.2	1/21/00	0.29	83331	ua
2977	1,1-Dichloroethylene (7)	J00093	<0.02	ug/L	EPA 524.2	1/21/00	0.02	83331	ua
2979	Trans-1,2-Dichloroethylene(100)	J00093	<0.12	ug/L	EPA 524.2	1/21/00	0.12	83331	ua
2980	1,2-Dichloroethane (3)	J00093	<0.02	ug/L	EPA 524.2	1/21/00	0.02	83331	ua
2981	1,1,1-Trichloroethane (200)	J00093	<0.21	ug/L	EPA 524.2	1/21/00	0.21	83331	ua
2982	Carbon Tetrachloride (3)	J00093	<0.29	ug/L	EPA 524.2	1/21/00	0.29	83331	ua
2983	1,2-Dichloropropane (5)	J00093	<0.33	ug/L	EPA 524.2	1/21/00	0.33	83331	ua
2984	Trichloroethylene (3)	J00093	<0.02	ug/L	EPA 524.2	1/21/00	0.02	83331	ua
2985	1,1,2-Trichloroethane (5)	J00093	<0.23	ug/L	EPA 524.2	1/21/00	0.23	83331	ua
2987	Tetrachloroethylene (3)	J00093	<0.21	ug/L	EPA 524.2	1/21/00	0.21	83331	ua
2989	Monochlorobenzene (100)	J00093	<0.23	ug/L	EPA 524.2	1/21/00	0.23	83331	ua
2990	Benzene (1)	J00093	<0.05	ug/L	EPA 524.2	1/21/00	0.05	83331	ua
2991	Toluene (1000)	J00093	<0.41	ug/L	EPA 524.2	1/21/00	0.41	83331	ua
2992	Ethylbenzene (700)	J00093	<0.47	ug/L	EPA 524.2	1/21/00	0.47	83331	ua
2996	Styrene (100)	J00093	<2.00	ug/L	EPA 524.2	1/21/00	2.00	83331	ua

### Trihalomethane Analysis

62-550.310(2)(a)

PWS027

Chloroform	J00093	<0.00016	mg/L	EPA 524.2	1/21/00	0.00016	83331	ua
Bromodichloromethane	J00093	<0.00036	mg/L	EPA 524.2	1/21/00	0.00036	83331	ua
Dibromochloromethane	J00093	<0.00027	mg/L	EPA 524.2	1/21/00	0.00027	83331	ua
Bromoform	J00093	<0.00031	mg/L	EPA 524.2	1/21/00	0.00031	83331	ua
Total TTHMs	J00093	<0.00036	mg/L	EPA 524.2	1/21/00	0.00036	83331	ua

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Pesticide/PCB Chemical Analysis</b>									
62-550.310(2)(c)									
PWS029									
2005	Endrin (2)	J00093	<0.05	ug/L	EPA 508	1/26/00	0.05	83331	ua
2010	Lindane (0.2)	J00093	<0.024	ug/L	EPA 508	1/26/00	0.024	83331	ua
2015	Methoxychlor (40)	J00093	<0.25	ug/L	EPA 508	1/26/00	0.25	83331	ua
2020	Toxaphene (3)	J00093	<0.5	ug/L	EPA 508	1/26/00	0.5	83331	ua
2031	Dalapon (200)	J00093	<0.802	ug/L	EPA 515.1	2/1/00	0.802	83331	ua
2032	Diquat (20)	J00093	<4.00	ug/L	EPA 549.1	1/26/00	4.00	83331	ua
2033	Endothall (100)	J00093	<5.00	ug/L	EPA 548	1/25/00	5.00	83331	ua
2034	Glyphosate (700)	J00093	<3.77	ug/L	EPA 547	1/27/00	3.77	83331	ua
2035	Di(2-ethylhexyl) adipate (400)	J00093	<0.6	ug/L	EPA 525.2	1/24/00	0.6	83331	ua
2036	Oxamyl (Vydate) (200)	J00093	<1.13	ug/L	EPA 531.1	1/25/00	1.13	83331	ua
2037	Simazine (4)	J00093	<0.176	ug/L	EPA 507	1/26/00	0.176	83331	ua
2039	Di(2-ethylhexyl) phthalate (6)	J00093	<0.6	ug/L	EPA 525.2	1/24/00	0.6	83331	ua
2040	Picloram (500)	J00093	<0.25	ug/L	EPA 515.1	2/1/00	0.25	83331	ua
2041	Dinoseb (7)	J00093	<0.125	ug/L	EPA 515.1	2/1/00	0.125	83331	ua
2042	Hexachlorocyclopentadiene(50)	J00093	<0.02	ug/L	EPA 508	1/26/00	0.02	83331	ua
2046	Carbofuran (40)	J00093	<0.90	ug/L	EPA 531.1	1/25/00	0.90	83331	ua
2050	Atrazine (3)	J00093	<0.910	ug/L	EPA 507	1/26/00	0.910	83331	ua
2051	Alachlor (2)	J00093	<0.5	ug/L	EPA 507	1/25/00	0.5	83331	ua
2065	Heptachlor (0.4)	J00093	<0.054	ug/L	EPA 508	1/26/00	0.054	83331	ua
2067	Heptachlor Epoxide (0.2)	J00093	<0.0245	ug/L	EPA 508	1/26/00	0.0245	83331	ua
2105	2,4-D (70)	J00093	<0.362	ug/L	EPA 515.1	2/1/00	0.362	83331	ua
2110	2,4,5-TP (Silvex) (50)	J00093	<0.025	ug/L	EPA 515.1	2/1/00	0.025	83331	ua
2274	Hexachlorobenzene (1)	J00093	<0.01	ug/L	EPA 508	1/26/00	0.01	83331	ua
2306	Benzo(a)pyrene (.2)	J00093	<0.04	ug/L	EPA 525.2	1/24/00	0.04	83331	ua
2326	Pentachlorophenol (1)	J00093	<0.055	ug/L	EPA 515.1	1/26/00	0.055	83331	ua
2383	PCB (0.5)	J00093	<0.250	ug/L	EPA 508	1/26/00	0.48	83331	ua
2931	Dibromochloropropane (.2)	J00093	<0.02	ug/L	EPA 504	1/27/00	0.02	83331	ua
2946	Ethylene Dibromide (0.02)	J00093	<0.02	ug/L	EPA 504	1/27/00	0.02	83331	ua
2959	Chlordane (2)	J00093	<1.00	ug/L	EPA 508	1/25/00	1.00	83331	ua

### Unregulated Group I Analysis

62-550.405

PWS035

2021	Carbaryl	J00093	<0.599	ug/L	EPA 531.1	1/25/00	0.599	83331	ua
2022	Methomyl	J00093	<0.254	ug/L	EPA 531.1	1/25/00	0.254	83331	ua
2043	Aldicarb Sulfoxide	J00093	<0.850	ug/L	EPA 531.1	1/25/00	0.850	83331	ua
2044	Aldicarb Sulfone	J00093	<0.647	ug/L	EPA 531.1	1/25/00	0.647	83331	ua
2045	Metolachlor	J00093	<0.5	ug/L	EPA 507	1/26/00	0.5	83331	ua
2047	Aldicarb	J00093	<1.04	ug/L	EPA 531.1	1/25/00	1.04	83331	ua
2066	3-Hydroxycarbofuran	J00093	<1.13	ug/L	EPA 531.1	1/25/00	1.13	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2077	Propachlor	J00093	<0.38	ug/L	EPA 508	1/26/00	0.38	83331	ua
2356	Aldrin	J00093	<0.052	ug/L	EPA 508	1/26/00	0.052	83331	ua
2364	Dieldrin	J00093	<0.027	ug/L	EPA 508	1/26/00	0.027	83331	ua
2440	Dicamba	J00093	<0.025	ug/L	EPA 515.1	2/1/00	0.025	83331	ua
2595	Metribuzin	J00093	<0.120	ug/L	EPA 507	1/26/00	0.120	83331	ua
2076	Butachlor	J00093	<0.975	ug/L	EPA 508	1/26/00	0.975	83331	ua

### Unregulated Group II Analysis

62-550.410

PWS034

2210	Chloromethane	J00093	<0.35	ug/L	EPA 524.2	1/21/00	0.35	83331	ua
2212	Dichlorodifluoromethane	J00093	<0.26	ug/L	EPA 524.2	1/21/00	0.26	83331	ua
2214	Bromomethane	J00093	<0.29	ug/L	EPA 524.2	1/21/00	0.29	83331	ua
2216	Chloroethane	J00093	<0.29	ug/L	EPA 524.2	1/21/00	0.29	83331	ua
2218	Trichlorofluoromethane	J00093	<0.28	ug/L	EPA 524.2	1/21/00	0.28	83331	ua
2251	Methyl-Tert-Butyl-Ether	J00093	<0.27	ug/L	EPA 524.2	1/21/00	0.27	83331	ua
2408	Dibromomethane	J00093	<0.03	ug/L	EPA 524.2	1/21/00	0.03	83331	ua
2410	1,1-Dichloropropylene	J00093	<0.05	ug/L	EPA 524.2	1/21/00	0.05	83331	ua
2412	1,3-Dichloropropane	J00093	<0.05	ug/L	EPA 524.2	1/21/00	0.05	83331	ua
2413	1,3-Dichloropropene	J00093	<0.21	ug/L	EPA 524.2	1/21/00	0.21	83331	ua
2414	1,2,3-Trichloropropane	J00093	<0.39	ug/L	EPA 524.2	1/21/00	0.39	83331	ua
2416	2,2-Dichloropropane	J00093	<0.38	ug/L	EPA 524.2	1/21/00	0.38	83331	ua
2941	Chloroform	J00093	<0.16	ug/L	EPA 524.2	1/21/00	0.16	83331	ua
2942	Bromoform	J00093	<0.31	ug/L	EPA 524.2	1/21/00	0.31	83331	ua
2943	Bromodichloromethane	J00093	<0.36	ug/L	EPA 524.2	1/21/00	0.36	83331	ua
2944	Dibromochloromethane	J00093	<0.27	ug/L	EPA 524.2	1/21/00	0.27	83331	ua
2965	O-Chlorotoluene	J00093	<0.33	ug/L	EPA 524.2	1/21/00	0.33	83331	ua
2966	P-Chlorotoluene	J00093	<0.29	ug/L	EPA 524.2	1/21/00	0.29	83331	ua
2967	M-Dichlorobenzene	J00093	<0.20	ug/L	EPA 524.2	1/21/00	0.20	83331	ua
2978	1,1-Dichloroethane	J00093	<0.10	ug/L	EPA 524.2	1/21/00	0.10	83331	ua
2986	1,1,1,2-Tetrachloroethane	J00093	<0.13	ug/L	EPA 524.2	1/21/00	0.13	83331	ua
2988	1,1,2,2-Tetrachloroethane	J00093	<0.33	ug/L	EPA 524.2	1/21/00	0.33	83331	ua
2993	Bromobenzene	J00093	<0.05	ug/L	EPA 524.2	1/21/00	0.05	83331	ua

### Unregulated Group III Analysis

62-550.415

PWS036 & 037

2262	Isophorone	J00093	<7.26	ug/L	EPA 625	1/24/00	7.26	83331	ua
2270	2,4-Dinitrotoluene	J00093	<4.78	ug/L	EPA 625	1/24/00	4.78	83331	ua
2282	Dimethylphthalate	J00093	<9.47	ug/L	EPA 625	1/24/00	9.47	83331	ua
2284	Diethylphthalate	J00093	<4.96	ug/L	EPA 625	1/24/00	4.96	83331	ua
2290	Di-n-Butylphthalate	J00093	<4.01	ug/L	EPA 625	1/24/00	4.01	83331	ua
2294	Butyl benzyl phthalate	J00093	<2.55	ug/L	EPA 625	1/24/00	2.55	83331	ua
9089	Di-n-octylphthalate	J00093	<2.05	ug/L	EPA 625	1/24/00	2.05	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
9108	2-Chlorophenol	J00093	<4.10	ug/L	EPA 625	1/24/00	4.10	83331	ua
9112	2-Methyl-4,6-dinitrophenol	J00093	<4.00	ug/L	EPA 625	1/24/00	4.00	83331	ua
9115	Phenol	J00093	<2.18	ug/L	EPA 625	1/24/00	2.18	83331	ua
9116	2,4,6-Trichlorophenol	J00093	<4.46	ug/L	EPA 625	1/24/00	4.46	83331	ua

### Radiochemical Analysis

62-550.310(5)

PWS033

4000	Gross Alpha	J00093	<21.3	pCi/L	EPA 900.0	1/24/00	+/-12.5	83141	ua
4020	Radium 226	J00093	1.4	pCi/L	EPA 903.1	1/28/00	+/-0.3	83141	ua
4030	Radium 228	J00093	<1.1	pCi/L	Brks/Blnchrdr	1/28/00	+/-0.7	83141	ua
	Uranium	J00093		pCi/L	EPA 908.0		+/-	83141	ua

### EPA 608

A-BHC	J00093	<0.05	ug/L	EPA 608	1/25/00	0.05	83331	ua
B-BHC	J00093	<0.05	ug/L	EPA 608	1/25/00	0.05	83331	ua
D-BHC	J00093	<0.05	ug/L	EPA 608	1/25/00	0.05	83331	ua
G-BHC (Lindane)	J00093	<0.05	ug/L	EPA 608	1/25/00	0.05	83331	ua
Heptachlor	J00093	<0.05	ug/L	EPA 608	1/25/00	0.05	83331	ua
Aldrin	J00093	<0.05	ug/L	EPA 608	1/25/00	0.05	83331	ua
Heptachlor Epoxide	J00093	<0.05	ug/L	EPA 608	1/25/00	0.05	83331	ua
Endosulfan I	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
4,4-DDE	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
Dieldrin	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
Endrin	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
4,4-DDD	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
Endosulfan II	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
4,4-DDT	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
Endrin Aldehyde	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
Endosulfan Sulfate	J00093	<0.1	ug/L	EPA 608	1/25/00	0.1	83331	ua
Chlordane	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
Toxaphene	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
PCB-1016	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
PCB-1221	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
PCB-1232	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
PCB-1242	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
PCB-1248	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
PCB-1254	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
PCB-1260	J00093	<0.5	ug/L	EPA 608	1/25/00	0.5	83331	ua
Methoxychlor	J00093	<0.25	ug/L	EPA 608	1/25/00	0.25	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>EPA 624 - Purgeable Organics</b>									
	Chloromethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Vinyl Chloride	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Bromomethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Chloroethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Trichlorofluoromethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,1-Dichloroethene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Methylene Chloride	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Trans-1,2-Dichloroethene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,1-Dichloroethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Chloroform	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,1,1-Trichloroethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Carbon Tetrachloride	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,2-Dichloroethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Benzene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Trichloroethene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,2-Dichloropropane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Bromodichloromethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	2-Chloroethylvinyl Ether	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Cis-1,3-dichloropropene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Toluene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Trans-1,3-Dichloropropene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,1,2-Trichloroethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Tetrachloroethene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Dibromochloromethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Chlorobenzene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Ethylbenzene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	Bromoform	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,1,2,2-Tetrachloroethane	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,3-Dichlorobenzene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,4-Dichlorobenzene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua
	1,2-Dichlorobenzene	J00093	<2.0	ug/L	EPA 624	1/21/00	2.0	83331	ua

### EPA 625 - Semivolatile Organics

	N-Nitrosodimethylamine	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Phenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Bis(2-Chloroethyl)Ether	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2-Chlorophenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	1,3-Dichlorobenzene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
	1,4-Dichlorobenzene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	1,2-Dichlorobenzene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Bis(2-Chloroisopropyl)ether	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	N-Nitroso-di-n-propylamine	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Hexachloroethane	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Nitrobenzene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2-Nitrophenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2,4-Dimethylphenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Bis(2-Chloroethoxy)Methane	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2,4-Dichlorophenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	1,2,4-Trichlorobenzene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Naphthalene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Hexachlorobutadiene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	4-Chloro-3-Methylphenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2-Methylnaphthalene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	1-Methylnaphthalene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Hexachlorocyclopentadiene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2,4,6-Trichlorophenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2-Chloronaphthalene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Dimethylphthalate	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Acenaphthene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Acenaphthylene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	2,4-Dinitrophenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	4-Nitrophenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2,4-Dinitrotoluene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	2,6-Dinitrotoluene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Diethylphthalate	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	4-Chlorophenyl-phenyl ether	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Fluorene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	4,6-Dinitro-2-Methylphenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	N-Nitrosodiphenylamine	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	4-Bromophenyl-phenyl ether	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Hexachlorobenzene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	B-BHC	J00093	<0.05	ug/L	EPA 625	1/25/00	0.05	83331	ua
	Pentachlorophenol	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Phenanthrene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Anthracene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	D-BHC	J00093	<0.05	ug/L	EPA 625	1/25/00	0.05	83331	ua
	Heptachlor	J00093	<0.05	ug/L	EPA 625	1/25/00	0.05	83331	ua
	Di-n-Butylphthalate	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Aldrin	J00093	<0.05	ug/L	EPA 625	1/25/00	0.05	83331	ua
	Heptachlor Epoxide	J00093	<0.05	ug/L	EPA 625	1/25/00	0.05	83331	ua
	Fluoranthene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Benzidine	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
	Pyrene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Endosulfan I	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	4,4-DDE	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	Dieldrin	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	Endrin	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	4,4-DDD	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	Endosulfan II	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	Butylbenzylphthalate	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	4,4-DDT	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	Endosulfan Sulfate	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	3,3-Dichlorobenzidine	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Benzo(a)Anthracene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Bis(2-Ethylhexyl)Phthalate	J00093	<0.6	ug/L	EPA 625	1/24/00	0.6	83331	ua
	Chrysene	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Di-n-octylphthalate	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Benzo(d)Fluoranthene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Benzo(k)Fluoranthene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Benzo(a)Pyrene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Indeno(1,2,3-cd)Pyrene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Dibenzo(a,h)Anthracene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Benzo(g,h,i)Perylene	J00093	<5.00	ug/L	EPA 625	1/24/00	5.00	83331	ua
	Chlordane	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	Endrin Aldehyde	J00093	<0.1	ug/L	EPA 625	1/25/00	0.1	83331	ua
	Isophorone	J00093	<10.0	ug/L	EPA 625	1/24/00	10.0	83331	ua
	Toxaphene	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	PCB 1016	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	PCB 1221	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	PCB 1232	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	PCB 1242	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	PCB 1248	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	PCB 1254	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua
	PCB 1260	J00093	<0.5	ug/L	EPA 625	1/25/00	0.5	83331	ua

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Ammonia-N	J00093	14.8	mg/L	EPA 350.3	1/19/00	0.05	84352	ua
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Nitrogen, Total	J00093	15.37	mg/L	EPA 351.2/35	1/26/00	0.1	84352	ua
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HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
	Nitrogen, Organic	J00093	0.6	mg/L	EPA 351.2	1/26/00	0.2	84352	ua
	Nitrogen, Total Kjeldahl	J00093	15.37	mg/L	EPA 351.2	1/26/00	0.1	84352	ua
	Ortho-phosphate	J00093	0.650	mg/L	EPA 365.2	1/19/00	0.003	84352	ua
	Phosphorus, Total	J00093	0.820	mg/L	EPA 365.2	1/28/00	0.003	84352	ua
	Carbonate Alkalinity	J00093	0.43	mg/L	SM4500CO2D	1/20/00		84352	ua
	Bicarbonate Alkalinity	J00093	175	mg/L	SM4500CO2D	1/20/00		84352	ua
	Calcium	J00093	131	mg/L	EPA 215.1	1/24/00	0.022	84352	ua
	Carbon Dioxide	J00093	167		Calc.	1/20/00	0	84352	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
	Hardness, Total	J00093	1,698	mg/L	EPA 130.2	2/9/00	1.0	84352	ua
	Non-Carb. Hardness	J00093	1,531	mg/L	Cal.	2/9/00		84352	ua
	Hydrogen Sulfide, Total	J00093	0.3	mg/L	EPA 376.1	1/19/00	0.1	84352	ua
	Hydroxide, CaCO3	J00093	0.013			1/20/00		84352	ua
	Magnesium	J00093	364	mg/L	EPA 242.1	1/24/00	0.0008	84352	ua
	Potassium	J00093	96.5	mg/L	EPA 258.1	1/24/00	0.003	84352	ua
	BOD	J00093	<1	mg/L	EPA 405.1	1/20/00	11:00 1	84352	ua
	Total Coliform	J00093	54	col/100ml	SM9222B	1/18/00	15:28 1	84352	ua
	Asbestos	J00093	<0.17	ms/L	EPA 100.2	2/2/00	0.17	96541	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
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**Field Data**

pH, Field		J00093	7.29	std unit	EPA 150.1	1/18/00	13:30 n/a	E84380	ua
Conductivity, Field		J00093	13,700	umhos/cm	EPA 120.1	1/18/00	13:30 1.0	E84380	ua
Water Temperature		J00093	23.7	°C	EPA 170.1	1/18/00	13:30 0.1	E84380	ua
Weather, Condition		J00093	sunny			1/18/00	13:30	E84380	ua

Approved by:



**Debra Sanders**  
Laboratory Director

Comments:



# CHAIN-OF-CUSTODY RECORD

PROJECT # 00692

Page 1 of 2

Client Youngquist Bros.  
 Address \_\_\_\_\_  
 \_\_\_\_\_

Report To: Mike Wilson  
 Bill To: \_\_\_\_\_  
 P.O. # \_\_\_\_\_  
 Project Name Injection Zone - IW-6  
 Project Location: Pompano

Sample Supply: G.W.  
 Customer Type: \_\_\_\_\_  
 Field Report #: \_\_\_\_\_  
 Kit #: \_\_\_\_\_  
 REQUESTED FOR DATE: \_\_\_\_\_

Sampled By (PRINT) DOUG DIENSTBERGER  
 Sampler Signature Doug Dienstberger

PRESERVATIVES					ANALYSES REQUEST															
4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	Chloride	Fluoride	Ammonia	Ammonium	Barium	Bromide	Cadmium	Copper	Iron	Lead	Manganese	Nickel	Silver	Sulfate	Tin	Zinc

Bottle #	SAMPLE DESCRIPTION	DATE	TIME	TYPE	4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	Chloride	Fluoride	Ammonia	Ammonium	Barium	Bromide	Cadmium	Copper	Iron	Lead	Manganese	Nickel	Silver	Sulfate	Tin	Zinc	Sample ID #
1	IW-6 Depth: 2990' - 3500'	1/18/00	13:30	GW	✓	✓	✓	✓																		100-093

Bottle Lot #	SHIPMENT METHOD	VIA	RELINQUISHED BY	AFFILIATION	DATE	TIME	ACCEPTED BY	AFFILIATION	DATE	TIME
	OUT / DATE	RETURNED DATE								
			<u>Pony Express</u>	<u>Doug Dienstberger</u>	<u>1/18/00</u>	<u>17:00</u>	<u>Jim A. Blythe</u>		<u>1/19/00</u>	<u>14:00</u>
COMMENTS:			COOLER #							
			COOLER SEAL INTACT							
			Yes No							



CHAIN-OF-CUSTODY RECORD

PROJECT # 00693

Page 2 of 2

Client Youngquist Bros.  
 Address \_\_\_\_\_

Report To: Mike Wilson  
 Bill To: \_\_\_\_\_  
 P.O. # \_\_\_\_\_  
 Project Name: Injection Zone - IW-6  
 Project Location: Pompano

Sample Supply: GW.  
 Customer Type: \_\_\_\_\_  
 Field Report #: \_\_\_\_\_  
 Kit #: \_\_\_\_\_  
 REQUESTED DUE DATE: \_\_\_\_\_

Sampled By (PRINT) DOUG DIENSTBERGER

Sampler Signature Doug Dienstberger

PRESERVATIVES					ANALYSES REQUEST												Sample ID #
4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	/												
✓	✓	✓	✓		EPA 608, 644, 645, Pb, Spec Cond, TSS, BOD, 100% Cu												00-093

Bottle #	SAMPLE DESCRIPTION	DATE	TIME	TYPE	4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	ANALYSES REQUEST												Sample ID #
1	IW-6 Depth: 2990' - 3500'	1/18/00	13:30	GW.	✓	✓	✓	✓		EPA 608, 644, 645, Pb, Spec Cond, TSS, BOD, 100% Cu												00-093

Bottle Lot #	SHIPMENT METHOD	VIA	RELINQUISHED BY	AFFILIATION	DATE	TIME	ACCEPTED BY	AFFILIATION	DATE	TIME
	OUT / DATE	RETURNED DATE	<u>Phy Express</u>	<u>Doug Dienstberger</u>	<u>1/18/00</u>	<u>17:00</u>	<u>Jam &amp; [Signature]</u>		<u>1/19/00</u>	<u>11:00</u>
COMMENTS:		COOLER #								
		COOLER SEAL INTACT								
		Yes No								

**MW3 Upper Zone**  
**Background Water Quality**





Project Name: MW-3  
 Project Location: Upper Zone  
 Sample Supply: Water  
 Collector: Mark Ochs  
 Sample Received Date/Time: 4/24/00

RECEIVED  
 HAZEN AND SAWYER, P.C.  
 Hollywood, Florida

Youngquist Brothers, Inc.  
 15465 Pine Ridge Road

JUN 23 2000

Fort Myers, FL 33908-

4543A / 65 MW3

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Inorganic Analysis</b>									
62-550.310(1)									
PWS030									
1005	Arsenic (0.05)	N005677	0.0032	mg/L	EPA 200.7	4/28/00	0.0028	84352	ua
1010	Barium (2)	N005677	2.74	mg/L	EPA 200.7	4/28/00	0.0001	84352	ua
1015	Cadmium (0.005)	N005677	<0.0002	mg/L	EPA 200.7	4/28/00	0.0002	84352	ua
1020	Chromium (0.1)	N005677	0.001	mg/L	EPA 200.7	4/28/00	0.001	84352	ua
1024	Cyanide (0.2)	N005677	<0.006	mg/L	SM4500CNE	4/29/00	0.006	83331	ua
1025	Fluoride (4.0)	N005677	1.2	mg/L	EPA 340.2	4/28/00	0.1	84352	ua
1030	Lead (0.015)	N005677	0.085	mg/L	SM3113B	4/26/00	0.001	84352	ua
1035	Mercury (0.002)	N005677	<0.001	mg/L	SM3112B	5/2/00	0.001	84352	ua
1036	Nickel (0.1)	N005677	<0.001	mg/L	EPA 200.7	4/28/00	0.010	84352	ua
1040	Nitrate (10)	N005677	<0.01	mg/L	EPA 353.2	4/26/00	0.01	84352	ua
1041	Nitrite (1)	N005677	<0.01	mg/L	EPA 354.1	4/24/00	0.01	84352	ua
1045	Selenium (0.05)	N005677	<0.004	mg/L	SM3113B	5/3/00	0.004	84352	ua
1052	Sodium (160)	N005677	1.510	mg/L	EPA 200.7	5/22/00	0.350	84352	ua
1074	Antimony (0.006)	N005677	<0.001	mg/L	SM3113B	5/5/00	0.001	84352	ua
1075	Beryllium (0.004)	N005677	0.00060	mg/L	EPA 200.7	4/28/00	0.00008	84352	ua
1085	Thallium (0.002)	N005677	<0.002	mg/L	SM3113B	5/5/00	0.002	84352	ua

<b>Secondary Chemical Analysis</b>									
62-550.320									
PWS031									
1002	Aluminum (0.2)	N005677	3.44	mg/L	EPA 200.7	4/28/00	0.02	84352	ua
1017	Chloride (250)	N005677	2,616	mg/L	SM 4500Cl-B	5/2/00	1	84352	ua
1022	Copper (1.0)	N005677	0.0159	mg/L	EPA 200.7	4/28/00	0.0012	84352	ua
1025	Fluoride (2.0)	N005677	1.2	mg/L	EPA 340.2	4/28/00	0.1	84352	ua
1028	Iron (0.3)	N005677	2.16	mg/L	EPA 200.7	4/28/00	0.030	84352	ua
1032	Manganese (0.05)	N005677	0.257	mg/L	EPA 200.7	4/28/00	0.0001	84352	ua

HRS Certification #'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
1050	Silver (0.1)	N005677	<0.001	mg/L	EPA 200.7	4/28/00	0.001	84352	ua
1055	Sulfate (250)	N005677	530	mg/L	EPA 375.4	5/2/00	1	84352	ua
1095	Zinc (5.0)	N005677	0.033	mg/L	EPA 200.7	4/28/00	0.005	84352	ua
1905	Color, True (15.0)	N005677	11	PtCo units	EPA 110.3	4/25/00	1	84352	ua
1920	Odor (3.0)	N005677	1	TON	SM2150B	4/25/00	1	84352	ua
1925	pH (6.5-8.5)	N005677	8.08	std units	EPA 150.1	4/26/00	n/a	84352	ua
1930	Total Dissolved Solids (500)	N005677	4,800	mg/L	EPA 160.1	4/27/00	7	84352	ua
2905	Foaming Agents (0.5)	N005677	<0.020	mg/L	SM5540C	4/26/00	0.020	83331	ua

### Volatile Organic Analysis

62-550.310(2)(b)

PWS028

2378	1,2,4-Trichlorobenzene (70)	N005677	<0.2200	ug/L	EPA 524.2	4/28/00	0.2200	83331	ua
2380	Cis-1,2-Dichloroethylene (70)	N005677	<0.0300	ug/L	EPA 524.2	4/28/00	0.0300	83331	ua
2955	Xylenes (Total) (10,000)	N005677	0.3700	ug/L	EPA 524.2	4/28/00	0.2400	83331	ua
2964	Dichloromethane (5)	N005677	<0.3100	ug/L	EPA 524.2	4/28/00	0.3100	83331	ua
2968	O-Dichlorobenzene (600)	N005677	<0.0500	ug/L	EPA 524.2	4/28/00	0.0500	83331	ua
2969	Para-Dichlorobenzene (75)	N005677	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2976	Vinyl Chloride (1)	N005677	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2977	1,1-Dichloroethylene (7)	N005677	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2979	Trans-1,2-Dichloroethylene(100)	N005677	<0.1200	ug/L	EPA 524.2	4/28/00	0.1200	83331	ua
2980	1,2-Dichloroethane (3)	N005677	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2981	1,1,1-Trichloroethane (200)	N005677	<0.2100	ug/L	EPA 524.2	4/28/00	0.2100	83331	ua
2982	Carbon Tetrachloride (3)	N005677	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2983	1,2-Dichloropropane (5)	N005677	<0.3300	ug/L	EPA 524.2	4/28/00	0.3300	83331	ua
2984	Trichloroethylene (3)	N005677	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2985	1,1,2-Trichloroethane (5)	N005677	<0.2300	ug/L	EPA 524.2	4/28/00	0.2300	83331	ua
2987	Tetrachloroethylene (3)	N005677	<0.2100	ug/L	EPA 524.2	4/28/00	0.2100	83331	ua
2989	Monochlorobenzene (100)	N005677	<0.2300	ug/L	EPA 524.2	4/28/00	0.2300	83331	ua
2990	Benzene (1)	N005677	<0.0500	ug/L	EPA 524.2	4/28/00	0.0500	83331	ua
2991	Toluene (1000)	N005677	<0.4100	ug/L	EPA 524.2	4/28/00	0.4100	83331	ua
2992	Ethylbenzene (700)	N005677	<0.4700	ug/L	EPA 524.2	4/28/00	0.4700	83331	ua
2996	Styrene (100)	N005677	<0.4700	ug/L	EPA 524.2	4/28/00	0.4700	83331	ua

### Trihalomethane Analysis

62-550.310(2)(a)

PWS027

Chloroform	N005677	<0.00016	mg/L	EPA 524.2	4/28/00	0.00016	83331	ua
Bromodichloromethane	N005677	<0.00036	mg/L	EPA 524.2	4/28/00	0.00036	83331	ua
Dibromochloromethane	N005677	<0.00027	mg/L	EPA 524.2	4/28/00	0.00027	83331	ua
Bromoform	N005677	<0.00031	mg/L	EPA 524.2	4/28/00	0.00031	83331	ua
Total THMs	N005677	<0.00036	mg/L	EPA 524.2	4/28/00	0.00036	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
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**Pesticide/PCB Chemical Analysis**

62-550.310(2)(c)

PWS029

2005	Endrin (2)	N005677	<0.0541	ug/L	EPA 508	4/27/00	0.0541	83331	ua
2010	Lindane (0.2)	N005677	<0.0259	ug/L	EPA 508	4/27/00	0.0259	83331	ua
2015	Methoxychlor (40)	N005677	<0.270	ug/L	EPA 508	4/27/00	0.270	83331	ua
2020	Toxaphene (3)	N005677	<0.541	ug/L	EPA 508	4/27/00	0.541	83331	ua
2031	Dalapon (200)	N005677	<0.802	ug/L	EPA 515.1	5/11/00	0.802	83331	ua
2032	Diquat (20)	N005677	<4.00	ug/L	EPA 549.1	5/1/00	4.00	83331	ua
2033	Endothall (100)	N005677	<5.00	ug/L	EPA 548.1	5/9/00	5.00	83331	ua
2034	Glyphosate (700)	N005677	<3.77	ug/L	EPA 547	4/28/00	3.77	83331	ua
2035	Di(2-ethylhexyl) adipate (400)	N005677	<0.600	ug/L	EPA 525.2	5/2/00	0.600	83331	ua
2036	Oxamyl (Vydate) (200)	N005677	<1.13	ug/L	EPA 531.1	4/26/00	1.13	83331	ua
2037	Simazine (4)	N005677	<0.190	ug/L	EPA 507	4/27/00	0.190	83331	ua
2039	Di(2-ethylhexyl) phthalate (6)	N005677	<1.32	ug/L	EPA 525.2	5/2/00	1.32	83331	ua
2040	Picloram (500)	N005677	<0.250	ug/L	EPA 515.1	5/11/00	0.250	83331	ua
2041	Dinoseb (7)	N005677	<0.125	ug/L	EPA 515.1	5/11/00	0.125	83331	ua
2042	Hexachlorocyclopentadiene(50)	N005677	<0.02162	ug/L	EPA 508	4/27/00	0.02162	83331	ua
2046	Carbofuran (40)	N005677	<0.90	ug/L	EPA 531.1	4/26/00	0.90	83331	ua
2050	Atrazine (3)	N005677	<0.984	ug/L	EPA 507	4/27/00	0.984	83331	ua
2051	Alachlor (2)	N005677	<0.0676	ug/L	EPA 507	4/27/00	0.0676	83331	ua
2065	Heptachlor (0.4)	N005677	<0.0584	ug/L	EPA 508	4/27/00	0.0584	83331	ua
2067	Heptachlor Epoxide (0.2)	N005677	<0.0265	ug/L	EPA 508	4/27/00	0.0265	83331	ua
2105	2,4-D (70)	N005677	<0.362	ug/L	EPA 515.1	5/11/00	0.362	83331	ua
2110	2,4,5-TP (Silvex) (50)	N005677	<0.0250	ug/L	EPA 515.1	5/11/00	0.0250	83331	ua
2274	Hexachlorobenzene (1)	N005677	<0.0108	ug/L	EPA 508	4/27/00	0.0108	83331	ua
2306	Benzo(a)pyrene (.2)	N005677	<0.0400	ug/L	EPA 525.2	5/2/00	0.0400	83331	ua
2326	Pentachlorophenol (1)	N005677	<0.0545	ug/L	EPA 515.1	5/11/00	0.0545	83331	ua
2383	PCB (0.5)	N005677	<0.270	ug/L	EPA 508	4/27/00	0.270	83331	ua
2931	Dibromochloropropane (.2)	N005677	<0.020	ug/L	EPA 504.1	5/5/00	0.020	83331	ua
2946	Ethylene Dibromide (0.02)	N005677	<0.010	ug/L	EPA 504.1	5/5/00	0.010	83331	ua
2959	Chlordane (2)	N005677	<0.541	ug/L	EPA 508	4/27/00	0.541	83331	ua

**Radiochemical Analysis**

62-550.310(5)

PWS033

000	Gross Alpha	N005677	3.5	pCi/L	EPA 900.0	5/1/00	+/-2.8	83141	ua
4020	Radium 226	N005677	3.8	pCi/L	EPA 903.1	5/3/00	+/-0.4	83141	ua
030	Radium 228	N005677	1.9	pCi/L	Brks/Blncrd	5/3/00	+/-0.9	83141	ua

**Unregulated Group I Analysis**

62-550.405

PWS035

HRS Certification#s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2021	Carbaryl	N005677	<0.599	ug/L	EPA 531.1	4/26/00	0.599	83331	ua
2022	Methomyl	N005677	<0.254	ug/L	EPA 531.1	4/26/00	0.254	83331	ua
2043	Aldicarb Sulfoxide	N005677	<0.850	ug/L	EPA 531.1	4/26/00	0.850	83331	ua
2044	Aldicarb Sulfone	N005677	<0.647	ug/L	EPA 531.1	4/26/00	0.647	83331	ua
2045	Metolachlor	N005677	<0.541	ug/L	EPA 507	4/27/00	0.541	83331	ua
2047	Aldicarb	N005677	<1.04	ug/L	EPA 531.1	4/26/00	1.04	83331	ua
2066	3-Hydroxycarbofuran	N005677	<1.13	ug/L	EPA 531.1	4/26/00	1.13	83331	ua
2077	Propachlor	N005677	<0.41	ug/L	EPA 508	4/27/00	0.41	83331	ua
2356	Aldrin	N005677	<0.057	ug/L	EPA 508	4/27/00	0.057	83331	ua
2364	Dieldrin	N005677	<0.02919	ug/L	EPA 508	4/27/00	0.02919	83331	ua
2440	Dicamba	N005677	<0.025	ug/L	EPA 515.1	5/11/00	0.025	83331	ua
2595	Metribuzin	N005677	<0.130	ug/L	EPA 507	4/27/00	0.130	83331	ua
2076	Butachlor	N005677	<1.05	ug/L	EPA 507	4/27/00	1.05	83331	ua

### Unregulated Group II Analysis

62-550.410

PWS034

2210	Chloromethane	N005677	<0.3500	ug/L	EPA 524.2	4/28/00	0.3500	83331	ua
2212	Dichlorodifluoromethane	N005677	<0.5000	ug/L	EPA 524.2	4/28/00	0.5000	83331	ua
2214	Bromomethane	N005677	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2216	Chloroethane	N005677	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2218	Trichlorofluoromethane	N005677	<0.2800	ug/L	EPA 524.2	4/28/00	0.2800	83331	ua
2251	Methyl-Tert-Butyl-Ether	N005677	<0.2700	ug/L	EPA 524.2	4/28/00	0.2700	83331	ua
2408	Dibromomethane	N005677	<0.03000	ug/L	EPA 524.2	4/28/00	0.03000	83331	ua
2410	1,1-Dichloropropylene	N005677	<0.6000	ug/L	EPA 524.2	4/28/00	0.06000	83331	ua
2412	1,3-Dichloropropane	N005677	<0.05000	ug/L	EPA 524.2	4/28/00	0.05000	83331	ua
2413	1,3-Dichloropropene	N005677	<0.210	ug/L	EPA 524.2	4/28/00	0.210	83331	ua
2414	1,2,3-Trichloropropane	N005677	<0.3900	ug/L	EPA 524.2	4/28/00	0.3900	83331	ua
2416	2,2-Dichloropropane	N005677	<0.3800	ug/L	EPA 524.2	4/28/00	0.3800	83331	ua
2941	Chloroform	N005677	<0.1600	ug/L	EPA 524.2	4/28/00	0.1600	83331	ua
2942	Bromoform	N005677	<0.3100	ug/L	EPA 524.2	4/28/00	0.3100	83331	ua
2943	Bromodichloromethane	N005677	<0.3600	ug/L	EPA 524.2	4/28/00	0.3600	83331	ua
2944	Dibromochloromethane	N005677	<0.5000	ug/L	EPA 524.2	4/28/00	0.5000	83331	ua
2965	O-Chlorotoluene	N005677	<0.3300	ug/L	EPA 524.2	4/28/00	0.3300	83331	ua
2966	P-Chlorotoluene	N005677	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2967	M-Dichlorobenzene	N005677	<0.2000	ug/L	EPA 524.2	4/28/00	0.2000	83331	ua
2978	1,1-Dichloroethane	N005677	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2986	1,1,1,2-Tetrachloroethane	N005677	<0.1300	ug/L	EPA 524.2	4/28/00	0.1300	83331	ua
2988	1,1,2,2-Tetrachloroethane	N005677	<0.3300	ug/L	EPA 524.2	4/28/00	0.3300	83331	ua
2993	Bromobenzene	N005677	<0.05000	ug/L	EPA 524.2	4/28/00	0.05000	83331	ua

### Unregulated Group III Analysis

62-550.415

PWS036 & 037

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2262	Isophorone	N005677	<7.26	ug/L	EPA 625	4/27/00	7.26	83331	ua
2270	2,4-Dinitrotoluene	N005677	<4.78	ug/L	EPA 625	4/27/00	4.78	83331	ua
2282	Dimethylphthalate	N005677	<9.47	ug/L	EPA 625	4/27/00	9.47	83331	ua
2284	Diethylphthalate	N005677	<4.96	ug/L	EPA 625	4/27/00	4.96	83331	ua
2290	Di-n-Butylphthalate	N005677	<4.01	ug/L	EPA 625	4/27/00	4.01	83331	ua
2294	Butyl benzyl phthalate	N005677	<2.55	ug/L	EPA 625	4/27/00	2.55	83331	ua
2299	Di-n-octylphthalate	N005677	<2.05	ug/L	EPA 625	4/27/00	2.05	83331	ua
2308	2-Chlorophenol	N005677	<4.10	ug/L	EPA 625	4/27/00	4.10	83331	ua
9112	2-Methyl-4,6-dinitrophenol	N005677	<4.00	ug/L	EPA 625	4/27/00	4.00	83331	ua
9115	Phenol	N005677	<2.18	ug/L	EPA 625	4/27/00	2.18	83331	ua
9116	2,4,6-Trichlorophenol	N005677	<4.46	ug/L	EPA 625	4/27/00	4.46	83331	ua
<hr/>									
	Total Coliform	N005677	<1	col/100mL	SM9222B	4/24/00	16:00 1	84352	ua
<hr/>									
	Asbestos	N005677	<0.98	mg/L	EPA 100.2	5/4/00	0.98	86541	ua
<hr/>									
	Dioxin - 2,3,7,8-TCDD	N005677	<0.060	ug/L	SW8468280	5/5/00	0.060	87424	ua
<hr/>									
	Ammonia-N	N005677	0.62	mg/L	EPA 350.3	5/9/00	0.05	84352	ua
<hr/>									
	Nitrogen, Organic	N005677	0.1	mg/L	EPA 351.2	5/12/00	0.1	84352	ua
<hr/>									
	Nitrogen, Total Kjeldahl	N005677	0.7	mg/L	EPA 351.2	5/12/00	0.1	84352	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
Phosphorus, Total		N005677	0.268	mg/L	EPA 6010B	4/28/00	0.010	84352	ua
Ortho-phosphate		N005677	<0.003	mg/L	EPA 365.2	4/25/00	0.003	84352	ua
BOD		N005677	3.8	mg/L	EPA 405.1	4/26/00	9:30 1	84352	ua
Conductivity		N005677	8,003	umhos/cm	EPA 120.1	4/26/00	1.0	84352	ua
pH, Field		N005677	8.14	std units	EPA 150.1	4/24/00	n/a	84352	ua
<b>EPA 625 - Semivolatile Organics</b>									
Naphthalene		N005677	<5.0000	ug/L	EPA 625	4/27/00	5.0000	83331	ua
Phenanthrene		N005677	<5.0000	ug/L	EPA 625	4/27/00	5.0000	83331	ua
Anthracene		N005677	<5.0000	ug/L	EPA 625	4/27/00	5.0000	83331	ua
Butylbenzylphthalate		N005677	<2.55	ug/L	EPA 625	4/27/00	2.55	83331	ua
Chemical Oxygen Demand		N005677	6.42	mg/L	EPA 410.4	6/19/00	5.5	E84380	ua
Water Temperature		N005677	23.9	°C	EPA 170.1	4/24/00	0.10	E84380	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
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	Corrosivity	N005677	(+)0.59			6/19/00		E84380	ua
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Approved by:



Debra Sanders  
Laboratory Director

Comments:





**MW3 Lower Zone**  
**Background Water Quality**



Date 20-Jun-00

Youngquist Brothers, Inc.  
15465 Pine Ridge Road

Fort Myers, FL 33908-

Project Name: MW-3  
 Project Location: Lower Zone  
 Sample Supply: Water  
 Collector: Mark Ochs  
 Sample Received Date/Time: 4/24/00

RECEIVED  
 HAZEN AND SAWYER, P.C.  
 Hollywood, Florida

JUN 23 2000

4598A/6.5 MW3

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Inorganic Analysis</b>									
62-550.310(1)									
PWS030									
1005	Arsenic (0.05)	N005679	0.0155	mg/L	EPA 200.7	4/28/00	0.0028	84352	ua
1010	Barium (2)	N005679	1.10	mg/L	EPA 200.7	4/28/00	0.0001	84352	ua
1015	Cadmium (0.005)	N005679	0.0005	mg/L	EPA 200.7	4/28/00	0.0002	84352	ua
1020	Chromium (0.1)	N005679	<0.001	mg/L	EPA 200.7	4/28/00	0.001	84352	ua
1024	Cyanide (0.2)	N005679	<0.006	mg/L	SM4500CNE	4/29/00	0.006	83331	ua
1025	Fluoride (4.0)	N005679	1.0	mg/L	EPA 340.2	4/28/00	0.1	84352	ua
1030	Lead (0.015)	N005679	0.178	mg/L	SM3113B	4/26/00	0.001	84352	ua
1035	Mercury (0.002)	N005679	<0.001	mg/L	SM3112B	5/2/00	0.001	84352	ua
1036	Nickel (0.1)	N005679	0.043	mg/L	EPA 200.7	4/28/00	0.001	84352	ua
1040	Nitrate (10)	N005679	<0.01	mg/L	EPA 353.2	4/26/00	0.01	84352	ua
1041	Nitrite (1)	N005679	<0.01	mg/L	EPA 354.1	4/24/00	0.01	84352	ua
1045	Selenium (0.05)	N005679	0.0208	mg/L	SM3113B	5/3/00	0.0016	84352	ua
1052	Sodium (160)	N005679	6,728	mg/L	EPA 200.7	4/28/00	0.350	84352	ua
1074	Antimony (0.006)	N005679	0.005	mg/L	SM3113B	5/5/00	0.001	84352	ua
1075	Beryllium (0.004)	N005679	0.00128	mg/L	EPA 200.7	4/28/00	0.00008	84352	ua
1085	Thallium (0.002)	N005679	<0.002	mg/L	SM3113B	5/5/00	0.002	84352	ua

<b>Secondary Chemical Analysis</b>									
62-550.320									
PWS031									
1002	Aluminum (0.2)	N005679	4.47	mg/L	EPA 200.7	4/28/00	0.02	84352	ua
017	Chloride (250)	N005679	12,371	mg/L	SM 4500Cl-B	5/8/00	1	84352	ua
1022	Copper (1.0)	N005679	0.0157	mg/L	EPA 200.7	4/28/00	0.0012	84352	ua
1025	Fluoride (2.0)	N005679	1.0	mg/L	EPA 340.2	4/28/00	0.1	84352	ua
028	Iron (0.3)	N005679	6.82	mg/L	EPA 200.7	4/28/00	0.030	84352	ua
1032	Manganese (0.05)	N005679	0.164	mg/L	EPA 200.7	4/28/00	0.001	84352	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
1050	Silver (0.1)	N005679	<0.001	mg/L	EPA 200.7	4/28/00	0.001	84352	ua
1055	Sulfate (250)	N005679	615	mg/L	EPA 375.4	5/2/00	1	84352	ua
1095	Zinc (5.0)	N005679	0.055	mg/L	EPA 200.7	4/28/00	0.002	84352	ua
1905	Color, True (15.0)	N005679	23	PCo units	EPA 110.3	4/25/00	1	84352	ua
1920	Odor (3.0)	N005679	<1	TON	SM2150B	4/25/00	1	84352	ua
1925	pH (6.5-8.5)	N005679	8.11	std units	EPA 150.1	4/26/00	n/a	84352	ua
1930	Total Dissolved Solids (500)	N005679	22,200	mg/L	EPA 160.1	4/27/00	7	84352	ua
2905	Foaming Agents (0.5)	N005679	<0.020	mg/L	SM5540C	4/26/00	0.020	83331	ua

### Volatile Organic Analysis

62-550.310(2)(b)

PWS028

2378	1,2,4-Trichlorobenzene (70)	N005679	<0.2200	ug/L	EPA 524.2	4/28/00	0.2200	83331	ua
2380	Cis-1,2-Dichloroethylene (70)	N005679	<0.0300	ug/L	EPA 524.2	4/28/00	0.0300	83331	ua
2955	Xylenes (Total) (10,000)	N005679	<0.2400	ug/L	EPA 524.2	4/28/00	0.2400	83331	ua
2964	Dichloromethane (5)	N005679	0.4600	ug/L	EPA 524.2	4/28/00	0.3100	83331	ua
2968	O-Dichlorobenzene (600)	N005679	<0.0500	ug/L	EPA 524.2	4/28/00	0.0500	83331	ua
2969	Para-Dichlorobenzene (75)	N005679	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2976	Vinyl Chloride (1)	N005679	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2977	1,1-Dichloroethylene (7)	N005679	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2979	Trans-1,2-Dichloroethylene(100)	N005679	<0.1200	ug/L	EPA 524.2	4/28/00	0.1200	83331	ua
2980	1,2-Dichloroethane (3)	N005679	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2981	1,1,1-Trichloroethane (200)	N005679	<0.2100	ug/L	EPA 524.2	4/28/00	0.2100	83331	ua
2982	Carbon Tetrachloride (3)	N005679	0.6100	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2983	1,2-Dichloropropane (5)	N005679	<0.3300	ug/L	EPA 524.2	4/28/00	0.3300	83331	ua
2984	Trichloroethylene (3)	N005679	<0.0200	ug/L	EPA 524.2	4/28/00	0.0200	83331	ua
2985	1,1,2-Trichloroethane (5)	N005679	<0.2300	ug/L	EPA 524.2	4/28/00	0.2300	83331	ua
2987	Tetrachloroethylene (3)	N005679	<0.2100	ug/L	EPA 524.2	4/28/00	0.2100	83331	ua
2989	Monochlorobenzene (100)	N005679	<0.2300	ug/L	EPA 524.2	4/28/00	0.2300	83331	ua
2990	Benzene (1)	N005679	<0.0500	ug/L	EPA 524.2	4/28/00	0.0500	83331	ua
2991	Toluene (1000)	N005679	<0.4100	ug/L	EPA 524.2	4/28/00	0.4100	83331	ua
2992	Ethylbenzene (700)	N005679	<0.4700	ug/L	EPA 524.2	4/28/00	0.4700	83331	ua
2996	Styrene (100)	N005679	<0.4700	ug/L	EPA 524.2	4/28/00	0.4700	83331	ua

### Trihalomethane Analysis

62-550.310(2)(a)

PWS027

Chloroform	N005679	0.18000	mg/L	EPA 524.2	4/28/00	0.00016	83331	ua
Bromodichloromethane	N005679	0.03500	mg/L	EPA 524.2	4/28/00	0.00036	83331	ua
Dibromochloromethane	N005679	0.04020	mg/L	EPA 524.2	4/28/00	0.00027	83331	ua
Bromoform	N005679	0.07510	mg/L	EPA 524.2	4/28/00	0.00031	83331	ua
Total TTHMs	N005679	0.33030	mg/L	EPA 524.2	4/28/00	0.00036	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
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**Pesticide/PCB Chemical Analysis**

62-550.310(2)(c)

PWS029

2005	Endrin (2)	N005679	<0.0513	ug/L	EPA 508	4/27/00	0.0513	83331	ua
2010	Lindane (0.2)	N005679	<0.0246	ug/L	EPA 508	4/27/00	0.0246	83331	ua
2015	Methoxychlor (40)	N005679	<0.256	ug/L	EPA 508	4/27/00	0.256	83331	ua
2020	Toxaphene (3)	N005679	<0.513	ug/L	EPA 508	4/27/00	0.513	83331	ua
2031	Dalapon (200)	N005679	<0.802	ug/L	EPA 515.1	5/11/00	0.802	83331	ua
2032	Diquat (20)	N005679	<4.00	ug/L	EPA 549.1	5/1/00	4.00	83331	ua
2033	Endothall (100)	N005679	<5.00	ug/L	EPA 548.1	5/9/00	5.00	83331	ua
2034	Glyphosate (700)	N005679	<3.77	ug/L	EPA 547	4/28/00	3.77	83331	ua
2035	Di(2-ethylhexyl) adipate (400)	N005679	<0.600	ug/L	EPA 525.2	5/2/00	0.600	83331	ua
2036	Oxamyl (Vydate) (200)	N005679	<1.13	ug/L	EPA 531.1	4/26/00	1.13	83331	ua
2037	Simazine (4)	N005679	<0.180	ug/L	EPA 507	4/27/00	0.180	83331	ua
2039	Di(2-ethylhexyl) phthalate (6)	N005679	<1.32	ug/L	EPA 525.2	5/2/00	1.32	83331	ua
2040	Picloram (500)	N005679	<0.250	ug/L	EPA 515.1	5/11/00	0.250	83331	ua
2041	Dinoseb (7)	N005679	<0.125	ug/L	EPA 515.1	5/11/00	0.125	83331	ua
2042	Hexachlorocyclopentadiene(50)	N005679	<0.02051	ug/L	EPA 508	4/27/00	0.02051	83331	ua
2046	Carbofuran (40)	N005679	<0.90	ug/L	EPA 531.1	4/26/00	0.90	83331	ua
2050	Atrazine (3)	N005679	<0.933	ug/L	EPA 507	4/27/00	0.933	83331	ua
2051	Alachlor (2)	N005679	<0.0641	ug/L	EPA 507	4/27/00	0.0641	83331	ua
2065	Heptachlor (0.4)	N005679	<0.0554	ug/L	EPA 508	4/27/00	0.0554	83331	ua
2067	Heptachlor Epoxide (0.2)	N005679	<0.0251	ug/L	EPA 508	4/27/00	0.0251	83331	ua
2105	2,4-D (70)	N005679	<0.362	ug/L	EPA 515.1	5/11/00	0.362	83331	ua
2110	2,4,5-TP (Silvex) (50)	N005679	<0.0250	ug/L	EPA 515.1	5/11/00	0.0250	83331	ua
2274	Hexachlorobenzene (1)	N005679	<0.0103	ug/L	EPA 508	4/27/00	0.0103	83331	ua
2306	Benzo(a)pyrene (.2)	N005679	<0.0400	ug/L	EPA 525.2	5/2/00	0.0400	83331	ua
2326	Pentachlorophenol (1)	N005679	<0.0545	ug/L	EPA 515.1	5/11/00	0.0545	83331	ua
2383	PCB (0.5)	N005679	<0.256	ug/L	EPA 508	4/27/00	0.256	83331	ua
2931	Dibromochloropropane (.2)	N005679	<0.020	ug/L	EPA 504.1	5/5/00	0.020	83331	ua
2946	Ethylene Dibromide (0.02)	N005679	<0.010	ug/L	EPA 504.1	5/5/00	0.010	83331	ua
959	Chlordane (2)	N005679	<0.513	ug/L	EPA 508	4/27/00	0.513	83331	ua

**Radiochemical Analysis**

62-550.310(5)

PWS033

3000	Gross Alpha	N005679	5.4	pCi/L	EPA 900.0	5/1/00	+/-3.0	83141	ua
4020	Radium 226	N005679	5.8	pCi/L	EPA 903.1	5/3/00	+/-0.5	83141	ua
4030	Radium 228	N005679	1.4	pCi/L	Brks/Blnchrd	5/3/00	+/-0.8	83141	ua

**Unregulated Group I Analysis**

62-550.405

PWS035

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2021	Carbaryl	N005679	<0.599	ug/L	EPA 531.1	4/26/00	0.599	83331	ua
2022	Methomyl	N005679	<0.254	ug/L	EPA 531.1	4/26/00	0.254	83331	ua
2043	Aldicarb Sulfoxide	N005679	<0.850	ug/L	EPA 531.1	4/26/00	0.850	83331	ua
2044	Aldicarb Sulfone	N005679	<0.647	ug/L	EPA 531.1	4/26/00	0.647	83331	ua
2045	Metolachlor	N005679	<0.513	ug/L	EPA 507	4/27/00	0.513	83331	ua
2047	Aldicarb	N005679	<1.04	ug/L	EPA 531.1	4/26/00	1.04	83331	ua
2066	3-Hydroxycarbofuran	N005679	<1.13	ug/L	EPA 531.1	4/26/00	1.13	83331	ua
2077	Propachlor	N005679	<0.39	ug/L	EPA 508	4/27/00	0.39	83331	ua
2356	Aldrin	N005679	<0.054	ug/L	EPA 508	4/27/00	0.054	83331	ua
2364	Dieldrin	N005679	<0.02769	ug/L	EPA 508	4/27/00	0.02769	83331	ua
2440	Dicamba	N005679	<0.025	ug/L	EPA 515.1	5/11/00	0.025	83331	ua
2595	Metribuzin	N005679	<0.123	ug/L	EPA 507	4/27/00	0.123	83331	ua
2076	Butachlor	N005679	<1.00	ug/L	EPA 507	4/27/00	1.00	83331	ua

### Unregulated Group II Analysis

62-550.410

PWS034

2210	Chloromethane	N005679	0.5700	ug/L	EPA 524.2	4/28/00	0.3500	83331	ua
2212	Dichlorodifluoromethane	N005679	<0.05000	ug/L	EPA 524.2	4/28/00	0.05000	83331	ua
2214	Bromomethane	N005679	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2216	Chloroethane	N005679	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2218	Trichlorofluoromethane	N005679	<0.2800	ug/L	EPA 524.2	4/28/00	0.2800	83331	ua
2251	Methyl-Tert-Butyl-Ether	N005679	<0.2700	ug/L	EPA 524.2	4/28/00	0.2700	83331	ua
2408	Dibromomethane	N005679	1.130	ug/L	EPA 524.2	4/28/00	0.03000	83331	ua
2410	1,1-Dichloropropylene	N005679	<0.06000	ug/L	EPA 524.2	4/28/00	0.06000	83331	ua
2412	1,3-Dichloropropane	N005679	<0.05000	ug/L	EPA 524.2	4/28/00	0.05000	83331	ua
2413	1,3-Dichloropropene	N005679	<0.210	ug/L	EPA 524.2	4/28/00	0.210	83331	ua
2414	1,2,3-Trichloropropane	N005679	<0.3900	ug/L	EPA 524.2	4/28/00	0.3900	83331	ua
2416	2,2-Dichloropropane	N005679	<0.3800	ug/L	EPA 524.2	4/28/00	0.3800	83331	ua
2941	Chloroform	N005679	180.0	ug/L	EPA 524.2	4/28/00	0.1600	83331	ua
2942	Bromoform	N005679	75.10	ug/L	EPA 524.2	4/28/00	0.3100	83331	ua
2943	Bromodichloromethane	N005679	35.00	ug/L	EPA 524.2	4/28/00	0.3600	83331	ua
2944	Dibromochloromethane	N005679	40.20	ug/L	EPA 524.2	4/28/00	0.2700	83331	ua
2965	O-Chlorotoluene	N005679	<0.3300	ug/L	EPA 524.2	4/28/00	0.3300	83331	ua
2966	P-Chlorotoluene	N005679	<0.2900	ug/L	EPA 524.2	4/28/00	0.2900	83331	ua
2967	M-Dichlorobenzene	N005679	<0.2000	ug/L	EPA 524.2	4/28/00	0.2000	83331	ua
2978	1,1-Dichloroethane	N005679	<0.100	ug/L	EPA 524.2	4/28/00	0.100	83331	ua
2986	1,1,1,2-Tetrachloroethane	N005679	<0.1300	ug/L	EPA 524.2	4/28/00	0.1300	83331	ua
2988	1,1,2,2-Tetrachloroethane	N005679	<0.3300	ug/L	EPA 524.2	4/28/00	0.3300	83331	ua
2993	Bromobenzene	N005679	<0.0500	ug/L	EPA 524.2	4/28/00	0.0500	83331	ua

### Unregulated Group III Analysis

62-550.415

PWS036 & 037

HRS Certification #'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2262	Isophorone	N005679	<7.93	ug/L	EPA 625	4/27/00	7.93	83331	ua
270	2,4-Dinitrotoluene	N005679	<5.22	ug/L	EPA 625	4/27/00	5.22	83331	ua
2282	Dimethylphthalate	N005679	<10.3	ug/L	EPA 625	4/27/00	10.3	83331	ua
2284	Diethylphthalate	N005679	<5.42	ug/L	EPA 625	4/27/00	5.42	83331	ua
290	Di-n-Butylphthalate	N005679	<4.38	ug/L	EPA 625	4/27/00	4.38	83331	ua
2294	Butyl benzyl phthalate	N005679	<2.79	ug/L	EPA 625	4/27/00	2.79	83331	ua
2089	Di-n-octylphthalate	N005679	<2.24	ug/L	EPA 625	4/27/00	2.24	83331	ua
108	2-Chlorophenol	N005679	<4.48	ug/L	EPA 625	4/27/00	4.48	83331	ua
9112	2-Methyl-4,6-dinitrophenol	N005679	<4.37	ug/L	EPA 625	4/27/00	4.37	83331	ua
115	Phenol	N005679	<2.38	ug/L	EPA 625	4/27/00	2.38	83331	ua
2116	2,4,6-Trichlorophenol	N005679	<4.87	ug/L	EPA 625	4/27/00	4.87	83331	ua

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Total Coliform		N005679	<1	col/100mL	SM9221B	4/24/00	16:00 1	84352	ua
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Asbestos		N005679	<1.96	mg/L	EPA 100.2	5/4/00	1.96	86541	ua
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Dioxin - 2,3,7,8-TCDD		N005679	<0.037	ug/L	SW8468280	5/5/00	0.037	87424	ua
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Ammonia-N		N005679	0.64	mg/L	EPA 350.3	5/9/00	0.05	84352	ua
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Nitrogen, Organic		N005679	0.2	mg/L	EPA 351.2	5/12/00	0.1	84352	ua
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Nitrogen, Total Kjeldahl		N005679	0.8	mg/L	EPA 351.2	5/12/00	0.1	84352	ua
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HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
	Phosphorus, Total	N005679	0.246	mg/L	EPA 365.2	4/28/00	0.010	84352	ua
	Ortho-phosphate	N005679	<0.003	mg/L	EPA 365.2	4/25/00	0.003	84352	ua
	BOD	N005679	1.6	mg/L	EPA 405.1	4/26/00	9:30 1	84352	ua
	Conductivity	N005679	32,300	umhos/cm	EPA 120.1	4/26/00	1.0	84352	ua
	pH, Field	N005679	7.89	std units	EPA 150.1	4/24/00	n/a	84352	ua

### EPA 625 - Semivolatile Organics

	Naphthalene	N005679	<5.0000	ug/L	EPA 625	4/27/00	5.0000	83331	ua
	Phenanthrene	N005679	<5.0000	ug/L	EPA 625	4/27/00	5.0000	83331	ua
	Anthracene	N005679	<5.0000	ug/L	EPA 625	4/27/00	5.0000	83331	ua
	Butylbenzylphthalate	N005679	<2.79	ug/L	EPA 625	4/27/00	2.79	83331	ua
	Chemical Oxygen Demand	N005679	16.2	mg/L	EPA 410.4	6/19/00	5.5	E84380	ua
	Water Temperature	N005679	25.8	°C	EPA 170.1	4/24/00	0.10	E84380	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
	Corrosivity	N005679	(-)2.62			6/19/00		E84380	ua

Approved by:



Debra Sanders  
Laboratory Director

Comments:





# CHAIN-OF-CUSTODY RECORD

PROJECT # 534005-534008

Page \_\_\_\_ of \_\_\_\_

Client YOUNGQUIST Bros.  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Report To: \_\_\_\_\_  
 Bill To: \_\_\_\_\_  
 PO. # \_\_\_\_\_  
 Project Name YQ MW 3 Deel Zone  
 Project Location: Broward County

Sample Supply: 62-550  
 Customer Type: \_\_\_\_\_  
 Field Report #: \_\_\_\_\_

Sampled By (PRINT)		Sample			PRESERVATIVES				ANALYSES REQUEST												Sample ID #
Sampler Signature		DATE	TIME	TYPE	4°C	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL	Primary Inorganic	VOC's	Pest/PCBS	Grass/Leads	Unreg/Reg	Total Coli	Asbestos	NH <sub>3</sub> Dinit	OP	PH	FIELD	Sample ID #
1	MW 3 Upper Zone	4/24/00	10:55	g						X	X	X	X	X	X	X	X	X	X	X	NO05677
2	MW 3 Upper Zone Deep	4/24/00	10:55	g						X	X	X	X	X	X	X	X	X	X	X	5678
3	MW 3 LOWER ZONE	4/24/00	09:30	g						X	X	X	X	X	X	X	X	X	X	X	5679
4	MW 3 Lower Zone Deep	4/24/00	09:30	g						X	X	X	X	X	X	X	X	X	X	X	5680

Requested Due Date: 5/12/00

Requested By: Mark Ochs

Requested For: YQ MW 3 Deel Zone

Bottle Lot #	SHIPMENT METHOD	VIA	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	OUT / DATE	RETURNED / DATE	<u>Mark Ochs</u>	<u>4/24/00</u>	<u>14:50</u>	<u>Juni + A/A</u>	<u>4/24/00</u>	<u>14:50</u>
COMMENTS: <u>62-550</u>			COOLER #					
			COOLER SEAL INTACT					
			Yes No					

**MW4 Upper Zone**  
**Background Water Quality**



Date 07-May-99

Project Name: Broward County  
 Project Location: MW-4 Upper Zone  
 Sample Supply: Ground Water  
 Collector: Michael Griffin  
 Sample Received Date/Time: 3/23/99 15:00

Youngquist Brothers, Inc.  
 15465 Pine Ridge Road

RECEIVED MAY 13 1999

Fort Myers, FL 33908-

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Inorganic Analysis</b>									
62-550.310(1)									
PWS030									
1005	Arsenic (0.05)	N992657	0.0027	mg/L	EPA 206.2	3/31/99	0.0022	84352	ua
1010	Barium (2)	N992657	<0.2	mg/L	EPA 208.2	4/1/99	0.2	84352	ua
1015	Cadmium (0.005)	N992657	<0.003	mg/L	EPA 213.1	3/31/99	0.003	84352	ua
1020	Chromium (0.1)	N992657	<0.02	mg/L	EPA 218.1	4/5/99	0.02	84352	ua
1024	Cyanide (0.2)	N992657	0.021	mg/L	SM4500CN	3/31/99	0.006	83331	ua
1025	Fluoride (4.0)	N992657	1.12	mg/L	EPA 340.2	3/29/99	0.20	84352	ua
1030	Lead (0.015)	N992657	<0.001	mg/L	EPA 239.2	3/26/99	0.001	84352	ua
1035	Mercury (0.002)	N992657	<0.001	mg/L	EPA 245.1	3/30/99	0.001	84352	ua
1036	Nickel (0.1)	N992657	<0.010	mg/L	EPA 249.1	4/5/99	0.010	84352	ua
1040	Nitrate (10)	N992657	<0.01	mg/L	EPA 353.2	3/24/99	0.01	84352	ua
1041	Nitrite (1)	N992657	<0.01	mg/L	EPA 354.1	3/23/99	0.01	84352	ua
1045	Selenium (0.05)	N992657	0.005	mg/L	EPA 270.2	3/31/99	0.004	84352	ua
1052	Sodium (160)	N992657	1,660	mg/L	EPA 273.1	4/2/99	0.003	84352	ua
1074	Antimony (0.006)	N992657	<0.002	mg/L	EPA 200.9	3/30/99	0.002	83331	ua
1075	Beryllium (0.004)	N992657	<0.0001	mg/L	EPA 200.7	3/26/99	0.0001	83331	ua
1085	Thallium (0.002)	N992657	0.0109	mg/L	EPA 200.9	3/30/99	0.0006	83331	ua
<b>Secondary Chemical Analysis</b>									
62-550.320									
PWS031									
1002	Aluminum (0.2)	N992657	<0.2	mg/L	EPA 202.1	4/1/99	0.2	84352	ua
1017	Chloride (250)	N992657	2,800	mg/L	SM4500Cl-B	3/31/99	5	84352	ua
1022	Copper (1.0)	N992657	<0.01	mg/L	EPA 220.1	4/5/99	0.01	84352	ua
1025	Fluoride (2.0)	N992657	1.12	mg/L	EPA 340.2	3/29/99	0.20	84352	ua
1028	Iron (0.3)	N992657	0.191	mg/L	EPA 236.1	3/31/99	0.015	84352	ua
1032	Manganese (0.05)	N992657	<0.005	mg/L	EPA 243.1	3/31/99	0.005	84352	ua

HRS Certification #'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
1050	Silver (0.1)	N992657	0.013	mg/L	EPA 272.1	3/31/99	0.010	84352	ua
1055	Sulfate (250)	N992657	590	mg/L	EPA 375.4	3/24/99	5	84352	ua
1095	Zinc (5.0)	N992657	<0.007	mg/L	EPA 289.1	3/29/99	0.005	84352	ua
1905	Color (15.0)	N992657	10	PtCo units	EPA 110.3	3/24/99	1	84352	ua
1920	Odor (3.0)	N992657	8	TON	EPA 140.1	3/24/99	1	84352	ua
1925	pH (6.5-8.5)	N992657	7.68	std units	EPA 150.1	3/24/99	n/a	84352	ua
1930	Total Dissolved Solids (500)	N992657	5,436	mg/L	EPA 160.1	3/29/99	7	84352	ua
2905	Foaming Agents (1.5)	N992657	0.02	mg/L	EPA 425.1	3/25/99	0.02	83331	ua

### Trihalomethane Analysis

62-550.310(2)(a)

PWS027

Chloroform	N992657	<0.00016	mg/L	EPA 524.2	3/26/99	0.00016	83331	ua
Bromodichloromethane	N992657	<0.00036	mg/L	EPA 524.2	3/26/99	0.00036	83331	ua
Dibromochloromethane	N992657	<0.00027	mg/L	EPA 524.2	3/26/99	0.00027	83331	ua
Bromoform	N992657	<0.00031	mg/L	EPA 524.2	3/26/99	0.00031	83331	ua
Total TTHMs	N992657	<0.00036	mg/L	EPA 524.2	3/26/99	0.00036	83331	ua

### Volatile Organic Analysis

62-550.310(2)(b)

PWS028

2378	1,2,4-Trichlorobenzene (70)	N992657	<0.22	ug/L	EPA 524.2	3/26/99	0.22	83331	ua
2380	Cis-1,2-Dichloroethylene (70)	N992657	<0.03	ug/L	EPA 524.2	3/26/99	0.03	83331	ua
2955	Xylenes (Total) (10,000)	N992657	1.3	ug/L	EPA 524.2	3/26/99	0.24	83331	ua
2964	Dichloromethane (5)	N992657	<0.31	ug/L	EPA 524.2	3/26/99	0.31	83331	ua
2968	O-Dichlorobenzene (600)	N992657	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua
2969	Para-Dichlorobenzene (75)	N992657	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2976	Vinyl Chloride (1)	N992657	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2977	1,1-Dichloroethylene (7)	N992657	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2979	Trans-1,2-Dichloroethylene(100)	N992657	<0.12	ug/L	EPA 524.2	3/26/99	0.12	83331	ua
2980	1,2-Dichloroethane (3)	N992657	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2981	1,1,1-Trichloroethane (200)	N992657	<0.21	ug/L	EPA 524.2	3/26/99	0.21	83331	ua
2982	Carbon Tetrachloride (3)	N992657	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2983	1,2-Dichloropropane (5)	N992657	<0.33	ug/L	EPA 524.2	3/26/99	0.33	83331	ua
2984	Trichloroethylene (3)	N992657	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2985	1,1,2-Trichloroethane (5)	N992657	<0.23	ug/L	EPA 524.2	3/26/99	0.23	83331	ua
2987	Tetrachloroethylene (3)	N992657	<0.21	ug/L	EPA 524.2	3/26/99	0.21	83331	ua
2989	Monochlorobenzene (100)	N992657	<0.23	ug/L	EPA 524.2	3/26/99	0.23	83331	ua
2990	Benzene (1)	N992657	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua
2991	Toluene (1000)	N992657	<0.41	ug/L	EPA 524.2	3/26/99	0.41	83331	ua
2992	Ethylbenzene (700)	N992657	<0.47	ug/L	EPA 524.2	3/26/99	0.47	83331	ua
2996	Styrene (100)	N992657	<0.20	ug/L	EPA 524.2	3/26/99	0.20	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Pesticide/PCB Chemical Analysis</b>									
62-550.310(2)(c)									
PWS029									
2005	Endrin (2)	N992657	<0.002	ug/L	EPA 508	4/1/99	0.002	83331	ua
2010	Lindane (0.2)	N992657	<0.002	ug/L	EPA 508	4/1/99	0.002	83331	ua
2015	Methoxychlor (40)	N992657	<0.052	ug/L	EPA 508	4/1/99	0.052	83331	ua
2020	Toxaphene (3)	N992657	<0.309	ug/L	EPA 508	4/1/99	0.309	83331	ua
2031	Dalapon (200)	N992657	<0.036	ug/L	EPA 515.1	4/2/99	0.036	83331	ua
2032	Diquat (20)	N992657	<0.26	ug/L	EPA 549.1	3/26/99	0.26	83331	ua
2033	Endothall (100)	N992657	<15.4	ug/L	EPA 548	3/30/99	15.4	83331	ua
2034	Glyphosate (700)	N992657	<9.44	ug/L	EPA 547	4/6/99	9.44	83331	ua
2035	Di(2-ethylhexyl) adipate (400)	N992657	<0.71	ug/L	EPA 525.2	3/29/99	0.71	83331	ua
2036	Oxamyl (Vydate) (200)	N992657	<2.57	ug/L	EPA 531.1	3/31/99	2.57	83331	ua
2037	Simazine (4)	N992657	<0.078	ug/L	EPA 507	4/1/99	0.078	83331	ua
2039	Di(2-ethylhexyl) phthalate (6)	N992657	<1.15	ug/L	EPA 525.2	3/29/99	1.15	83331	ua
2040	Picloram (500)	N992657	<0.029	ug/L	EPA 515.1	4/2/99	0.029	83331	ua
2041	Dinoseb (7)	N992657	<0.055	ug/L	EPA 515.1	4/2/99	0.055	83331	ua
2042	Hexachlorocyclopentadiene(50)	N992657	<0.010	ug/L	EPA 508	4/1/99	0.010	83331	ua
2046	Carbofuran (40)	N992657	<16	ug/L	EPA 531.1	3/31/99	16	83331	ua
2050	Atrazine (3)	N992657	<0.035	ug/L	EPA 507	4/1/99	0.035	83331	ua
2051	Alachlor (2)	N992657	<0.012	ug/L	EPA 507	4/1/99	0.012	83331	ua
2065	Heptachlor (0.4)	N992657	<0.004	ug/L	EPA 508	4/1/99	0.004	83331	ua
2067	Heptachlor Epoxide (0.2)	N992657	<0.002	ug/L	EPA 508	4/1/99	0.002	83331	ua
2105	2,4-D (70)	N992657	<0.026	ug/L	EPA 515.1	4/2/99	0.026	83331	ua
2110	2,4,5-TP (Silvex) (50)	N992657	<0.017	ug/L	EPA 515.1	4/2/99	0.017	83331	ua
2274	Hexachlorobenzene (1)	N992657	<0.008	ug/L	EPA 508	4/1/99	0.008	83331	ua
2306	Benzo(a)pyrene (.2)	N992657	<0.09	ug/L	EPA 525.2	3/29/99	0.09	83331	ua
2326	Pentachlorophenol (1)	N992657	<0.07	ug/L	EPA 515.1	4/2/99	0.07	83331	ua
2383	PCB (0.5)	N992657	<0.1	ug/L	EPA 508	4/1/99	0.1	83331	ua
2931	Dibromochloropropane (.2)	N992657	<0.004	ug/L	EPA 504	3/31/99	0.004	83331	ua
2946	Ethylene Dibromide (0.02)	N992657	<0.006	ug/L	EPA 504	3/31/99	0.006	83331	ua
2959	Chlordane (2)	N992657	<0.446	ug/L	EPA 508	4/1/99	0.446	83331	ua

### Unregulated Group I Analysis

62-550.405

PWS035

2021	Carbaryl	N992657	<3.89	ug/L	EPA 531.1	3/31/99	3.89	83331	ua
2022	Methomyl	N992657	<3.20	ug/L	EPA 531.1	3/31/99	3.20	83331	ua
2043	Aldicarb Sulfoxide	N992657	<1.88	ug/L	EPA 531.1	3/31/99	1.88	83331	ua
2044	Aldicarb Sulfone	N992657	<5.57	ug/L	EPA 531.1	3/31/99	5.57	83331	ua
2045	Metolachlor	N992657	<0.108	ug/L	EPA 507	4/1/99	0.108	83331	ua
2047	Aldicarb	N992657	<5.95	ug/L	EPA 531.1	3/31/99	5.95	83331	ua
2066	3-Hydroxycarbofuran	N992657	<3.35	ug/L	EPA 531.1	3/31/99	3.35	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2077	Propachlor	N992657	<5	ug/L	EPA 508	4/1/99	5	83331	ua
2356	Aldrin	N992657	<0.005	ug/L	EPA 508	4/1/99	0.005	83331	ua
2364	Dieldrin	N992657	<0.020	ug/L	EPA 508	4/1/99	0.020	83331	ua
2440	Dicamba	N992657	<0.005	ug/L	EPA 515.1	4/2/99	0.005	83331	ua
2595	Metribuzin	N992657	<0.024	ug/L	EPA 507	4/1/99	0.024	83331	ua
2076	Butachlor	N992657	<0.021	ug/L	EPA 507	4/1/99	0.021	83331	ua

### Unregulated Group II Analysis

62-550.410

PWS034

2210	Chloromethane	N992657	<0.35	ug/L	EPA 524.2	3/26/99	0.35	83331	ua
2212	Dichlorodifluoromethane	N992657	<0.26	ug/L	EPA 524.2	3/26/99	0.26	83331	ua
2214	Bromomethane	N992657	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2216	Chloroethane	N992657	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2218	Trichlorofluoromethane	N992657	<0.28	ug/L	EPA 524.2	3/26/99	0.28	83331	ua
2251	Methyl-Tert-Butyl-Ether	N992657	<0.27	ug/L	EPA 524.2	3/26/99	0.27	83331	ua
2408	Dibromomethane	N992657	<0.03	ug/L	EPA 524.2	3/26/99	0.03	83331	ua
2410	1,1-Dichloropropylene	N992657	<0.06	ug/L	EPA 524.2	3/26/99	0.06	83331	ua
2412	1,3-Dichloropropane	N992657	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua
2413	1,3-Dichloropropene	N992657	<0.21	ug/L	EPA 524.2	3/26/99	0.21	83331	ua
2414	1,2,3-Trichloropropane	N992657	<0.39	ug/L	EPA 524.2	3/26/99	0.39	83331	ua
2416	2,2-Dichloropropane	N992657	<0.38	ug/L	EPA 524.2	3/26/99	0.38	83331	ua
2941	Chloroform	N992657	<0.16	ug/L	EPA 524.2	3/26/99	0.16	83331	ua
2942	Bromoform	N992657	<0.31	ug/L	EPA 524.2	3/26/99	0.31	83331	ua
2943	Bromodichloromethane	N992657	<0.36	ug/L	EPA 524.2	3/26/99	0.36	83331	ua
2944	Dibromochloromethane	N992657	<0.27	ug/L	EPA 524.2	3/26/99	0.27	83331	ua
2965	O-Chlorotoluene	N992657	<0.33	ug/L	EPA 524.2	3/26/99	0.33	83331	ua
2966	P-Chlorotoluene	N992657	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2967	M-Dichlorobenzene	N992657	<0.20	ug/L	EPA 524.2	3/26/99	0.20	83331	ua
2978	1,1-Dichloroethane	N992657	<0.10	ug/L	EPA 524.2	3/26/99	0.10	83331	ua
2986	1,1,1,2-Tetrachloroethane	N992657	<0.13	ug/L	EPA 524.2	3/26/99	0.13	83331	ua
2988	1,1,2,2-Tetrachloroethane	N992657	<0.33	ug/L	EPA 524.2	3/26/99	0.33	83331	ua
2993	Bromobenzene	N992657	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua

### Unregulated Group III Analysis

62-550.415

PWS036 & 037

2262	Isophorone	N992657	<7.26	ug/L	EPA 625	4/2/99	7.26	83331	ua
2270	2,4-Dinitrotoluene	N992657	<4.78	ug/L	EPA 625	4/2/99	4.78	83331	ua
2282	Dimethylphthalate	N992657	<9.47	ug/L	EPA 625	4/2/99	9.47	83331	ua
2284	Diethylphthalate	N992657	<4.30	ug/L	EPA 625	4/2/99	4.30	83331	ua
2290	Di-n-Butylphthalate	N992657	7.1	ug/L	EPA 625	4/2/99	4.01	83331	ua
2294	Butyl benzyl phthalate	N992657	<2.55	ug/L	EPA 625	4/2/99	2.55	83331	ua
9089	Di-n-octylphthalate	N992657	<2.43	ug/L	EPA 625	4/2/99	2.43	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
9108	2-Chlorophenol	N992657	<4.10	ug/L	EPA 625	4/2/99	4.10	83331	ua
9112	2-Methyl-4,6-dinitrophenol	N992657	<4.00	ug/L	EPA 625	4/2/99	4.00	83331	ua
9115	Phenol	N992657	<2.60	ug/L	EPA 625	4/2/99	2.60	83331	ua
9116	2,4,6-Trichlorophenol	N992657	<4.66	ug/L	EPA 625	4/2/99	4.66	83331	ua

### Radiochemical Analysis

62-550.310(5)

PWS033

4000	Gross Alpha	N992657	56.4	pCi/L	EPA 900.0	4/3/99	+/-7.1	83331	ua
4020	Radium 226	N992657	54.2	pCi/L	EPA 903.1	4/9/99	+/-1.3	83331	ua
4030	Radium 228	N992657	<0.7	pCi/L	Brks/Blinchr	4/9/99	+/-0.5	83331	ua

BOD		N992657	23	mg/L	EPA 405.1	3/24/99	11:00 1	84352	ua
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Ammonia-N		N992657	0.60	mg/L	EPA 350.3	3/25/99	0.05	84352	ua
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Nitrogen, Organic		N992657	0.74	mg/L	EPA 351.2	3/25/99	0.2	84352	ua
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Nitrogen, Total Kjeldahl		N992657	1.34	mg/L	EPA 351.2	3/25/99	0.2	84352	ua
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Orthophosphate		N992657	<0.02	mg/L	EPA 365.2	3/24/99	0.02	84352	ua
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Phosphorus, Total		N992657	<0.02	mg/L	EPA 365.2	3/24/99	0.02	84352	ua
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HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
Calcium		N992657	49.2	mg/L	EPA 215.1	4/5/99	0.022	84352	ua
Carbonate, CO3		N992657	0.43	mg/L	SM 4500	3/23/99		84352	ua
Total Coliform		N992657	<1	col/100	SM 9222B	3/23/99	15:30 1	84352	ua
Fecal Coliform		N992657	<1	col/100ml	SM9222D	3/23/99	15:30 1	84352	ua
Dioxin - 2,3,7,8-TCDD		N992657	<0.00003	ug/L	EPA 1613	4/15/99	0.00003	87424	ua
Asbestos		N992657	<0.23	ms/L	EPA 100.2	4/1/99	0.23	86457	ua

### EPA 625 - Semivolatile Organics

Naphthalene	N992657	<10	ug/L	EPA 625	4/2/99	10	83331	ua
Acenaphthene	N992657	<10	ug/L	EPA 625	4/2/99	10	83331	ua
Phenanthrene	N992657	<10	ug/L	EPA 625	4/2/99	10	83331	ua
Anthracene	N992657	<10	ug/L	EPA 625	4/2/99	10	83331	ua
Fluoranthene	N992657	<10	ug/L	EPA 625	4/2/99	10	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



Approved by:

Comments:



**Debra Sanders**  
**Laboratory Director**

Client Youngquist  
Address \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Report To: \_\_\_\_\_  
Bill To: \_\_\_\_\_  
P.O. # \_\_\_\_\_  
Project Name Broward City NR  
Project Location: NW-4 - UPPER ZONE

Sample Supply: 4W  
Customer Type: \_\_\_\_\_  
Field Report #: \_\_\_\_\_  
Kit #: \_\_\_\_\_  
REQUESTED DUE DATE: 4-8-99

Sampled By (PRINT) Michael Griffin

Sampler Signature [Signature] Sample \_\_\_\_\_

NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	LAB NUMBER
	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL		
					<u>PHENOL</u> <u>SECUNDARIES</u> <u>TTHMS</u> <u>VOC's</u> <u>PESTICIDES</u> <u>LEAD</u> <u>CAD</u> <u>ESPA 627</u> <u>BDD T.C. F.C.</u> <u>NH<sub>4</sub> D.M.TEN D.</u> <u>TRINIS Ca PACO</u> <u>Asbestos</u> <u>DIOXIN</u>	<u>N992657</u>

ITEM #	SAMPLE DESCRIPTION / LOCATION	JOB #	DATE	TIME	TYPE
<u>1</u>	<u>MW-4 - UPPER ZONE</u>		<u>3/23/99</u>		<u>LRB</u>

OUT / DATE	SHIPMENT METHOD RETURNED / DATE	VIA	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				<u>[Signature]</u>	<u>3/23/99</u>	<u>17:00</u>		<u>3/23/99</u>	<u>17:00</u>

COMMENTS: \_\_\_\_\_

COOLER # \_\_\_\_\_

**MW4 Lower Zone**  
**Background Water Quality**



Date 07-May-99

Project Name: Broward County  
 Project Location: MW-4 Lower Zone  
 Sample Supply: Ground Water  
 Collector: Michael Griffin  
 Sample Received Date/Time: 3/23/99 15:00

Youngquist Brothers, Inc.  
 15465 Pine Ridge Road

Fort Myers, FL 33908-

RECEIVED MAY 13 1999

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Inorganic Analysis</b>									
62-550.310(1)									
PWS030									
1005	Arsenic (0.05)	N992656	0.0025	mg/L	EPA 206.2	3/31/99	0.0022	84352	ua
1010	Barium (2)	N992656	<0.2	mg/L	EPA 208.2	4/1/99	0.2	84352	ua
1015	Cadmium (0.005)	N992656	<0.003	mg/L	EPA 213.1	3/31/99	0.003	84352	ua
1020	Chromium (0.1)	N992656	<0.02	mg/L	EPA 218.1	4/5/99	0.02	84352	ua
1024	Cyanide (0.2)	N992656	0.027	mg/L	EPA 335.2	3/31/99	0.006	83331	ua
1025	Fluoride (4.0)	N992656	0.92	mg/L	EPA 340.2	3/29/99	0.20	84352	ua
1030	Lead (0.015)	N992656	<0.001	mg/L	EPA 239.2	3/26/99	0.001	84352	ua
1035	Mercury (0.002)	N992656	0.001	mg/L	EPA 245.1	3/30/99	0.001	84352	ua
1036	Nickel (0.1)	N992656	<0.010	mg/L	EPA 249.1	4/5/99	0.010	84352	ua
1040	Nitrate (10)	N992656	<0.01	mg/L	EPA 353.2	3/24/99	0.01	84352	ua
1041	Nitrite (1)	N992656	<0.01	mg/L	EPA 354.1	3/23/99	0.01	84352	ua
1045	Selenium (0.05)	N992656	0.029	mg/L	EPA 270.2	3/31/99	0.004	84352	ua
1052	Sodium (160)	N992656	1,267	mg/L	EPA 273.1	4/2/99	0.003	84352	ua
1074	Antimony (0.006)	N992656	<0.002	mg/L	EPA 200.9	3/30/99	0.002	83331	ua
1075	Beryllium (0.004)	N992656	<0.0001	mg/L	EPA 200.7	3/26/99	0.0001	83331	ua
1085	Thallium (0.002)	N992656	0.0245	mg/L	EPA 200.9	3/30/99	0.0006	83331	ua

**Secondary Chemical Analysis**

62-550.320

PWS031

1002	Aluminum (0.2)	N992656	<0.2	mg/L	EPA 202.1	4/1/99	0.2	84352	ua
1017	Chloride (250)	N992656	3,360	mg/L	SM4500Cl-B	3/31/99	5	84352	ua
1022	Copper (1.0)	N992656	<0.01	mg/L	EPA 220.1	4/5/99	0.01	84352	ua
1025	Fluoride (2.0)	N992656	0.92	mg/L	EPA 340.2	3/29/99	0.20	84352	ua
1028	Iron (0.3)	N992656	0.157	mg/L	EPA 236.1	3/31/99	0.015	84352	ua
1032	Manganese (0.05)	N992656	0.008	mg/L	EPA 243.1	3/31/99	0.005	84352	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
1050	Silver (0.1)	N992656	0.016	mg/L	EPA 272.1	3/31/99	0.010	84352	ua
1055	Sulfate (250)	N992656	620	mg/L	EPA 375.4	3/24/99	5	84352	ua
1095	Zinc (5.0)	N992656	<0.005	mg/L	EPA 289.1	3/29/99	0.005	84352	ua
1905	Color (15.0)	N992656	2	PtCo units	EPA 110.3	3/24/99	1	84352	ua
1920	Odor (3.0)	N992656	8	TON	EPA 140.1	3/24/99	1	84352	ua
1925	pH (6.5-8.5)	N992656	7.55	std units	EPA 150.1	3/24/99	n/a	84352	ua
1930	Total Dissolved Solids (500)	N992656	6,528	mg/L	EPA 160.1	3/29/99	7	84352	ua
2905	Foaming Agents (1.5)	N992656	0.02	mg/L	SM 5540C	3/25/99	0.02	83331	ua

### Trihalomethane Analysis

62-550.310(2)(a)

PWS027

Chloroform	N992656	<0.00016	mg/L	EPA 524.2	3/26/99	0.00016	83331	ua
Bromodichloromethane	N992656	<0.00036	mg/L	EPA 524.2	3/26/99	0.00036	83331	ua
Dibromochloromethane	N992656	<0.00027	mg/L	EPA 524.2	3/26/99	0.00027	83331	ua
Bromoform	N992656	<0.00031	mg/L	EPA 524.2	3/26/99	0.00031	83331	ua
Total TTHMs	N992656	<0.00036	mg/L	EPA 524.2	3/26/99	0.00036	83331	ua

### Volatile Organic Analysis

62-550.310(2)(b)

PWS028

2378	1,2,4-Trichlorobenzene (70)	N992656	<0.22	ug/L	EPA 524.2	3/26/99	0.22	83331	ua
2380	Cis-1,2-Dichloroethylene (70)	N992656	<0.03	ug/L	EPA 524.2	3/26/99	0.03	83331	ua
2955	Xylenes (Total) (10,000)	N992656	<0.24	ug/L	EPA 524.2	3/26/99	0.24	83331	ua
2964	Dichloromethane (5)	N992656	<0.31	ug/L	EPA 524.2	3/26/99	0.31	83331	ua
2968	O-Dichlorobenzene (600)	N992656	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua
2969	Para-Dichlorobenzene (75)	N992656	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2976	Vinyl Chloride (1)	N992656	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2977	1,1-Dichloroethylene (7)	N992656	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2979	Trans-1,2-Dichloroethylene(100)	N992656	<0.12	ug/L	EPA 524.2	3/26/99	0.12	83331	ua
2980	1,2-Dichloroethane (3)	N992656	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2981	1,1,1-Trichloroethane (200)	N992656	<0.21	ug/L	EPA 524.2	3/26/99	0.21	83331	ua
2982	Carbon Tetrachloride (3)	N992656	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2983	1,2-Dichloropropane (5)	N992656	<0.33	ug/L	EPA 524.2	3/26/99	0.33	83331	ua
2984	Trichloroethylene (3)	N992656	<0.02	ug/L	EPA 524.2	3/26/99	0.02	83331	ua
2985	1,1,2-Trichloroethane (5)	N992656	<0.23	ug/L	EPA 524.2	3/26/99	0.23	83331	ua
2987	Tetrachloroethylene (3)	N992656	<0.21	ug/L	EPA 524.2	3/26/99	0.21	83331	ua
2989	Monochlorobenzene (100)	N992656	<0.23	ug/L	EPA 524.2	3/26/99	0.23	83331	ua
2990	Benzene (1)	N992656	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua
2991	Toluene (1000)	N992656	<0.41	ug/L	EPA 524.2	3/26/99	0.41	83331	ua
2992	Ethylbenzene (700)	N992656	<0.47	ug/L	EPA 524.2	3/26/99	0.47	83331	ua
2996	Styrene (100)	N992656	<0.20	ug/L	EPA 524.2	3/26/99	0.20	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
<b>Pesticide/PCB Chemical Analysis</b>									
62-550.310(2)(c)									
PWS029									
2005	Endrin (2)	N992656	<0.002	ug/L	EPA 508	4/1/99	0.002	83331	ua
2010	Lindane (0.2)	N992656	<0.002	ug/L	EPA 508	4/1/99	0.002	83331	ua
2015	Methoxychlor (40)	N992656	<0.052	ug/L	EPA 508	4/1/99	0.052	83331	ua
2020	Toxaphene (3)	N992656	<0.309	ug/L	EPA 508	4/1/99	0.309	83331	ua
2031	Dalapon (200)	N992656	<0.036	ug/L	EPA 515.1	4/3/99	0.036	83331	ua
2032	Diquat (20)	N992656	<0.26	ug/L	EPA 549.1	3/26/99	0.26	83331	ua
2033	Endothall (100)	N992656	<15.4	ug/L	EPA 548	3/30/99	15.4	83331	ua
2034	Glyphosate (700)	N992656	<9.44	ug/L	EPA 547	4/6/99	9.44	83331	ua
2035	Di(2-ethylhexyl) adipate (400)	N992656	<0.71	ug/L	EPA 525.2	3/29/99	0.71	83331	ua
2036	Oxamyl (Vydate) (200)	N992656	<2.57	ug/L	EPA 531.1	3/31/99	2.57	83331	ua
2037	Simazine (4)	N992656	<0.078	ug/L	EPA 507	4/1/99	0.078	83331	ua
2039	Di(2-ethylhexyl) phthalate (6)	N992656	<1.15	ug/L	EPA 525.2	3/29/99	1.15	83331	ua
2040	Picloram (500)	N992656	<0.029	ug/L	EPA 515.1	4/3/99	0.029	83331	ua
2041	Dinoseb (7)	N992656	<0.055	ug/L	EPA 515.1	4/3/99	0.055	83331	ua
2042	Hexachlorocyclopentadiene(50)	N992656	<0.010	ug/L	EPA 508	4/1/99	0.010	83331	ua
2046	Carbofuran (40)	N992656	<16	ug/L	EPA 531.1	3/31/99	16	83331	ua
2050	Atrazine (3)	N992656	<0.035	ug/L	EPA 507	4/1/99	0.035	83331	ua
2051	Alachlor (2)	N992656	<0.012	ug/L	EPA 507	4/1/99	0.012	83331	ua
2065	Heptachlor (0.4)	N992656	<0.004	ug/L	EPA 508	4/1/99	0.004	83331	ua
2067	Heptachlor Epoxide (0.2)	N992656	<0.002	ug/L	EPA 508	4/1/99	0.002	83331	ua
2105	2,4-D (70)	N992656	1.72	ug/L	EPA 515.1	4/3/99	0.026	83331	ua
2110	2,4,5-TP (Silvex) (50)	N992656	<0.017	ug/L	EPA 515.1	4/3/99	0.017	83331	ua
2274	Hexachlorobenzene (1)	N992656	<0.008	ug/L	EPA 508	4/1/99	0.008	83331	ua
2306	Benzo(a)pyrene (.2)	N992656	<0.09	ug/L	EPA 525.2	3/29/99	0.09	83331	ua
2326	Pentachlorophenol (1)	N992656	<0.07	ug/L	EPA 515.1	4/3/99	0.07	83331	ua
2383	PCB (0.5)	N992656	<0.1	ug/L	EPA 508	4/1/99	0.1	83331	ua
2931	Dibromochloropropane (.2)	N992656	<0.004	ug/L	EPA 504	3/31/99	0.004	83331	ua
2946	Ethylene Dibromide (0.02)	N992656	<0.006	ug/L	EPA 504	3/31/99	0.006	83331	ua
2959	Chlordane (2)	N992656	<0.446	ug/L	EPA 508	4/1/99	0.446	83331	ua

### Unregulated Group I Analysis

62-550.405

PWS035

2021	Carbaryl	N992656	<3.89	ug/L	EPA 531.1	3/31/99	3.89	83331	ua
2022	Methomyl	N992656	<3.20	ug/L	EPA 531.1	3/31/99	3.20	83331	ua
2043	Aldicarb Sulfoxide	N992656	<1.88	ug/L	EPA 531.1	3/31/99	1.88	83331	ua
2044	Aldicarb Sulfone	N992656	<5.57	ug/L	EPA 531.1	3/31/99	5.57	83331	ua
2045	Metolachlor	N992656	<0.108	ug/L	EPA 507	4/1/99	0.108	83331	ua
2047	Aldicarb	N992656	<5.95	ug/L	EPA 531.1	3/31/99	5.95	83331	ua
2066	3-Hydroxycarbofuran	N992656	<3.35	ug/L	EPA 531.1	3/31/99	3.35	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
2077	Propachlor	N992656	<5	ug/L	EPA 508	4/1/99	5	83331	ua
2356	Aldrin	N992656	<0.005	ug/L	EPA 508	4/1/99	0.005	83331	ua
2364	Dieldrin	N992656	<0.020	ug/L	EPA 508	4/1/99	0.020	83331	ua
2440	Dicamba	N992656	<0.005	ug/L	EPA 515.1	4/2/99	0.005	83331	ua
2595	Metribuzin	N992656	<0.024	ug/L	EPA 507	4/1/99	0.024	83331	ua
2076	Butachlor	N992656	<0.021	ug/L	EPA 507	4/1/99	0.021	83331	ua

### Unregulated Group II Analysis

62-550.410

PWS034

2210	Chloromethane	N992656	<0.35	ug/L	EPA 524.2	3/26/99	0.35	83331	ua
2212	Dichlorodifluoromethane	N992656	<0.26	ug/L	EPA 524.2	3/26/99	0.26	83331	ua
2214	Bromomethane	N992656	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2216	Chloroethane	N992656	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2218	Trichlorofluoromethane	N992656	<0.28	ug/L	EPA 524.2	3/26/99	0.28	83331	ua
2251	Methyl-Tert-Butyl-Ether	N992656	<0.27	ug/L	EPA 524.2	3/26/99	0.27	83331	ua
2408	Dibromomethane	N992656	<0.03	ug/L	EPA 524.2	3/26/99	0.03	83331	ua
2410	1,1-Dichloropropylene	N992656	<0.06	ug/L	EPA 524.2	3/26/99	0.06	83331	ua
2412	1,3-Dichloropropane	N992656	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua
2413	1,3-Dichloropropene	N992656	<0.21	ug/L	EPA 524.2	3/26/99	0.21	83331	ua
2414	1,2,3-Trichloropropane	N992656	<0.39	ug/L	EPA 524.2	3/26/99	0.39	83331	ua
2416	2,2-Dichloropropane	N992656	<0.38	ug/L	EPA 524.2	3/26/99	0.38	83331	ua
2941	Chloroform	N992656	<0.16	ug/L	EPA 524.2	3/26/99	0.16	83331	ua
2942	Bromoform	N992656	<0.31	ug/L	EPA 524.2	3/26/99	0.31	83331	ua
2943	Bromodichloromethane	N992656	<0.36	ug/L	EPA 524.2	3/26/99	0.36	83331	ua
2944	Dibromochloromethane	N992656	<0.27	ug/L	EPA 524.2	3/26/99	0.27	83331	ua
2965	O-Chlorotoluene	N992656	<0.33	ug/L	EPA 524.2	3/26/99	0.33	83331	ua
2966	P-Chlorotoluene	N992656	<0.29	ug/L	EPA 524.2	3/26/99	0.29	83331	ua
2967	M-Dichlorobenzene	N992656	<0.23	ug/L	EPA 524.2	3/26/99	0.23	83331	ua
2978	1,1-Dichloroethane	N992656	<0.10	ug/L	EPA 524.2	3/26/99	0.10	83331	ua
2986	1,1,1,2-Tetrachloroethane	N992656	<0.13	ug/L	EPA 524.2	3/26/99	0.13	83331	ua
2988	1,1,2,2-Tetrachloroethane	N992656	<0.33	ug/L	EPA 524.2	3/26/99	0.33	83331	ua
2993	Bromobenzene	N992656	<0.05	ug/L	EPA 524.2	3/26/99	0.05	83331	ua

### Unregulated Group III Analysis

62-550.415

PWS036 & 037

2262	Isophorone	N992656	<7.26	ug/L	EPA 625	4/2/99	7.26	83331	ua
2270	2,4-Dinitrotoluene	N992656	<4.78	ug/L	EPA 625	4/2/99	4.78	83331	ua
2282	Dimethylphthalate	N992656	<9.47	ug/L	EPA 625	4/2/99	9.47	83331	ua
2284	Diethylphthalate	N992656	<4.30	ug/L	EPA 625	4/2/99	4.30	83331	ua
2290	Di-n-Butylphthalate	N992656	<4.01	ug/L	EPA 625	4/2/99	4.01	83331	ua
2294	Butyl benzyl phthalate	N992656	<2.55	ug/L	EPA 625	4/2/99	2.55	83331	ua
9089	Di-n-octylphthalate	N992656	<2.43	ug/L	EPA 625	4/2/99	2.43	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
9108	2-Chlorophenol	N992656	<4.10	ug/L	EPA 625	4/2/99	4.10	83331	ua
9112	2-Methyl-4,6-dinitrophenol	N992656	<4.00	ug/L	EPA 625	4/2/99	4.00	83331	ua
9115	Phenol	N992656	<2.60	ug/L	EPA 625	4/2/99	2.60	83331	ua
9116	2,4,6-Trichlorophenol	N992656	<4.66	ug/L	EPA 625	4/2/99	4.66	83331	ua

### Radiochemical Analysis

62-550.310(5)

PWS033

4000	Gross Alpha	N992656	12.6	pCi/L	EPA 900.0	4/3/99	+/-3.6	83141	ua
4020	Radium 226	N992656	10.5	pCi/L	EPA 903.1	4/9/99	+/-0.6	83141	ua
4030	Radium 228	N992656	1.2	pCi/L	Brks/Blncrd	4/9/99	+/-0.5	83141	ua

BOD		N992656	2.6	mg/L	EPA 405.1	3/24/99	11:00 1	84352	ua
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Total Coliform		N992656	<1	col/100ml	SM9222B	3/23/99	15:30 1	84352	ua
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Fecal Coliform		N992656	<1	col/100ml	SM9222D	3/23/99	15:30 1	84352	ua
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Ammonia-N		N992656	0.60	mg/L	EPA 350.3	3/25/99	0.05	84352	ua
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Nitrogen, Organic		N992656	0.13	mg/L	EPA 351.2	3/25/99	0.2	84352	ua
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Nitrogen, Total Kjeldahl		N992656	0.73	mg/L	EPA 351.2	3/25/99	0.2	84352	ua
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HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)



Parameter ID	Analysis	Sample ID	Result	Unit	Method	Analysis Date/Time	D. L.	LabID	Analyst
	Orthophosphate	N992656	<0.02	mg/L	EPA 365.2	3/24/99	0.02	84352	ua
	Phosphorus, Total	N992656	<0.02	mg/L	EPA 365.2	3/24/99	0.02	84352	ua
	Calcium	N992656	178	mg/L	EPA 215.1	4/5/99	0.022	84352	ua
	Carbonate, CO3	N992656	0.52	mg/L	SM 4500	3/23/99		84352	ua
	Asbestos	N992656	<0.23	ms/L	EPA 100.2	4/1/99	0.23	86457	ua
	Dioxin - 2,3,7,8-TCDD	N992656	<0.00003	ug/L	EPA 1613	4/15/99	0.00003	87424	ua

### EPA 625 - Semivolatile Organics

	Naphthalene	N992656	<10	ug/L	EPA 625	4/2/99	10	83331	ua
	Acenaphthene	N992656	<10	ug/L	EPA 625	4/2/99	10	83331	ua
	Phenanthrene	N992656	<10	ug/L	EPA 625	4/2/99	10	83331	ua
	Anthracene	N992656	<10	ug/L	EPA 625	4/2/99	10	83331	ua
	Fluoranthene	N992656	<10	ug/L	EPA 625	4/2/99	10	83331	ua

HRS Certification#'s 84352 and E84380(Nokomis) 85449 and E85457(Ft. Myers)

Approved by:



Debra Sanders  
Laboratory Director

Comments:

Client Youngquist  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

 Report To: \_\_\_\_\_  
 Bill To: \_\_\_\_\_  
 P.O. # \_\_\_\_\_  
 Project Name BROWARD CITY NR  
 Project Location: MW4 - LOWER ZONE

 Sample Supply: 4U.  
 Customer Type: \_\_\_\_\_  
 Field Report #: \_\_\_\_\_  
 Kit #: \_\_\_\_\_  
 REQUESTED DUE DATE: 4.8.99

Sampled By (PRINT) <u>Michael Griffen</u>						Sample		<table border="1" style="width: 100%; font-size: small;"> <tr> <th colspan="2">NO. OF CONTAINERS</th> <th colspan="3">PRESERVATIVES</th> <th colspan="4">ANALYSES REQUEST</th> </tr> <tr> <th>UNPRESERVED</th> <th></th> <th>H<sub>2</sub>SO<sub>4</sub></th> <th>HNO<sub>3</sub></th> <th>HCL</th> <td></td><td></td><td></td><td></td><td></td> </tr> </table>				NO. OF CONTAINERS		PRESERVATIVES			ANALYSES REQUEST				UNPRESERVED		H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL						PRIMARYS SECONDARIES TTHM VOC'S PEST + PCB'S HR I I II III IV V LEA RAD 226/228 EPA 605 BOD, T.C, FC, NHA D.N TRN, D-PHS T-Phos, Ca, Calcoy ARSENOPS DIOXIN	LAB NUMBER
NO. OF CONTAINERS		PRESERVATIVES			ANALYSES REQUEST																											
UNPRESERVED		H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCL																												
Sample Signature <i>M. Griffen</i>																																
ITEM #	SAMPLE DESCRIPTION / LOCATION	JOB #	DATE	TIME	TYPE																											
①	MW 4 LOWER ZONE		3/23/99		GRB						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N992656						
OUT / DATE		SHIPMENT METHOD RETURNED / DATE		VIA	ITEM #	RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME																			
						<i>M. Griffen</i>		3/23/99	17:00			3/23/99	17:00																			
COMMENTS:				COOLER #																												

**Plant Effluent**  
**Background Water Quality**



**Broward County Office of Environmental Services**  
**ANALYTICAL LABORATORY**  
**2401 North Powerline Road**  
**Pompano Beach, FL 33069**  
**(954) 831-3064**

Drinking Water Certification #56074  
 Environmental Certification #E56441

**ID:** 0004-0462 **Group:** WASTEWATER  
**Point ID:** EFF-INJ **Collection Date:** 04/11/2000  
**Sample Location:** EFFLUENT COMPOSITE SAMPLER  
**Sample Type:** QTR PRI SEC

**ID:** 0004-0462

Parameter	Data	Units	Date	Analyst	Method
Silver	<0.00007	ppm	04/20/2000	LHUGHES	272.2
Aluminum	0.105	ppm	04/17/2000	LHUGHES	200.7
Arsenic	0.00101	ppm	05/11/2000	LHUGHES	206.2
Barium	0.008	ppm	04/17/2000	LHUGHES	200.7
Beryllium	<0.001	ppm	04/17/2000	LHUGHES	200.7
Cadmium	<0.00009	ppm	05/03/2000	LHUGHES	213.2
Chloride	300.00	mg/l	04/12/2000	HMITTELB	4500.CL.D
Color	30.0	CU	04/11/2000	LROSEN	2120B
Chromium	0.005	ppm	04/17/2000	LHUGHES	200.7
Copper	<0.003	ppm	04/17/2000	LHUGHES	200.7
Iron	0.219	ppm	04/17/2000	LHUGHES	200.7
Fluoride	0.76	mg/l	04/13/2000	TBLEM	4500F-C
Mercury	<0.24	ppb	04/13/2000	LHUGHES	7470
Manganese	0.020	ppm	04/17/2000	LHUGHES	200.7
Sodium	226.000	ppm	04/17/2000	LHUGHES	200.7
Nickel	0.00549	ppm	05/03/2000	LHUGHES	249.2
Nitrite by IC	<0.0150	mg/l	04/13/2000	TBLEM	300.0
Nitrate by IC	0.0500	mg/l	04/13/2000	TBLEM	300.0
Lead	0.00080	ppm	04/28/2000	LHUGHES	239.2
pH	7.53		04/11/2000	HMITTELB	150.1
Antimony	<0.00090	ppm	05/05/2000	LHUGHES	204.2
Selenium	<0.00042	ppm	05/11/2000	LHUGHES	270.2
Sulfate	71.0	mg/l	04/13/2000	TBLEM	300.0

ID: 0004-0462

Parameter	Data	Units	Date	Analyst	Method
Total Diss Solids	690	mg/l	04/13/2000	NMEHAN	160.1
Thallium	<0.00032	ppm	05/11/2000	LHUGHES	200.9
Turbidity	2.200	NTU	04/11/2000	HMITTELB	180.1
1,2,4 Tchlorobenzen	<0.10	ug/l	05/19/2000	NMEHAN	502.2
cis-1,2 DiClEe	<0.09	ug/l	05/19/2000	NMEHAN	502.2
Total Xylene	<0.36	ug/l	05/19/2000	NMEHAN	502.2
Dichloromethane	<1.00	ug/l	05/19/2000	NMEHAN	502.2
o-Dichlorobenzene	<0.12	ug/l	05/19/2000	NMEHAN	502.2
p-Dichlorobenzene	<0.12	ug/l	05/19/2000	NMEHAN	502.2
Vinyl Chloride	<0.28	ug/l	05/19/2000	NMEHAN	502.2
1,1 DiClEe	<0.08	ug/l	05/19/2000	NMEHAN	502.2
trans-1,2-DiClEe	<0.08	ug/l	05/19/2000	NMEHAN	502.2
1,2 DiClEa	<0.08	ug/l	05/19/2000	NMEHAN	502.2
1,1,1 TCIEa	<0.04	ug/l	05/19/2000	NMEHAN	502.2
Carbon Tetrachlorid	<0.04	ug/l	05/19/2000	NMEHAN	502.2
1,2 DiClPa	<0.05	ug/l	05/19/2000	NMEHAN	502.2
TriClEe	<0.12	ug/l	05/19/2000	NMEHAN	502.2
1,1,2 TCIEa	<0.09	ug/l	05/19/2000	NMEHAN	502.2
TetClEe	<0.05	ug/l	05/19/2000	NMEHAN	502.2
Chlorobenzene	<0.18	ug/l	05/19/2000	NMEHAN	502.2
Benzene	<0.10	ug/l	05/19/2000	NMEHAN	502.2
Toluene	<0.05	ug/l	05/19/2000	NMEHAN	502.2
Ethylbenzene	<0.06	ug/l	05/19/2000	NMEHAN	502.2
Styrene	<0.26	ug/l	05/19/2000	NMEHAN	502.2
Zinc	0.023	ppm	04/17/2000	LHUGHES	200.7

Approval:



# USBIO SYSTEMS

Client #: FTL-98-120104  
 Address: Broward County OES  
 OES Laboratory  
 2401 N. Powerline Rd.  
 Pompano Beach, FL 33069  
 Attn: Richard Walker

Page: Page 1 of 2  
 Date: 05/11/2000  
 Log #: L42949

**Sample Description:**

QTR-PRI-SEC

Label: **KFF-INJ**  
 Date Sampled: 04/11/2000  
 Time Sampled: 09:00  
 Date Received: 04/12/2000  
 Collected By: Client

**Pesticide/PCB Chemical Analysis 62-550.310(2)(c) (PWS029)**

Param									Analysis Lab	
ID	Name	MCL	Units	SampleNum	Result	Units	Method	MDL	Date	ID
2005	Endrin	2.0	ug/l	L42949-1	BDL	ug/l	508	0.010	04/17/00	84269
2010	Lindane	0.20	ug/l	L42949-1	BDL	ug/l	508	0.010	04/17/00	84269
2015	Methoxychlor	40	ug/l	L42949-1	BDL	ug/l	508	0.020	04/17/00	84269
2020	Toxaphene	3.0	ug/l	L42949-1	BDL	ug/l	508	0.20	04/17/00	84269
2031	Dalapon	700	ug/l	L42949-1	BDL	ug/l	515.1	1.0	04/21/2000	84269
2032	Diquat	20	ug/l	L42949-1	BDL	ug/l	549.1	1.0	04/17/00	84269
2033	Endothal	100	ug/l	L42949-1	BDL	ug/l	548.1	20	04/18/2000	84269
2034	Glyphosate	700	ug/l	L42949-1	BDL	ug/l	547	10	04/17/00	84269
2035	Bis(2-Ethylhexyl)Adipate	400	ug/l	L42949-1	BDL	ug/l	506	1.0	04/17/00	84269
2036	Oxamyl (Vydate)	200	ug/l	L42949-1	BDL	ug/l	531.1	0.50	04/14/2000	84269
2037	Simazine	4.0	ug/l	L42949-1	BDL	ug/l	507	0.10	04/17/00	84269
2039	Bis(2-Ethylhexyl)Phthala	6.0	ug/l	L42949-1	BDL	ug/l	506	1.0	04/17/00	84269
2040	Picloram	500	ug/l	L42949-1	BDL	ug/l	515.1	0.20	04/21/2000	84269
2041	Dinoseb	7.0	ug/l	L42949-1	BDL	ug/l	515.1	0.20	04/21/2000	84269
2042	Hexachlorocyclopentadien	50	ug/l	L42949-1	BDL	ug/l	508	0.10	04/17/2000	84269
2046	Carbofuran	40	ug/l	L42949-1	BDL	ug/l	531.1	0.50	04/14/2000	84269
2050	Atrazine	3.0	ug/l	L42949-1	0.28	ug/l	507	0.10	04/17/00	84269
2051	Alachlor	2.0	ug/l	L42949-1	BDL	ug/l	507	0.30	04/17/00	84269
2065	Heptachlor	0.40	ug/l	L42949-1	BDL	ug/l	508	0.010	04/17/00	84269
2067	Heptachlor Epoxide	0.20	ug/l	L42949-1	BDL	ug/l	508	0.010	04/17/00	84269
2105	2,4-D	70	ug/l	L42949-1	BDL	ug/l	515.1	0.50	04/21/2000	84269
2110	2,4,5-TP (Silvex)	50	ug/l	L42949-1	BDL	ug/l	515.1	0.050	04/21/2000	84269
2274	Hexachlorobenzene	1.0	ug/l	L42949-1	BDL	ug/l	508	0.010	04/17/00	84269
2306	Benzo(a)pyrene	0.20	ug/l	L42949-1	BDL	ug/l	550	0.010	04/17/00	84269
2326	Pentachlorophenol	1.0	ug/l	L42949-1	BDL	ug/l	515.1	0.050	04/21/2000	84269

Client #: PTL-98-120104  
Address: Broward County OES  
OES Laboratory  
2401 N. Powerline Rd.  
Pompano Beach, FL 33069  
Attn: Richard Walker

Page: Page 2 of 2  
Date: 05/11/2000  
Log #: L42949

Sample Description:

QTR-PRI-SEC

Label: EFF-INJ  
Date Sampled: 04/11/2000  
Time Sampled: 09:00  
Date Received: 04/12/2000  
Collected By: Client

Pesticide/PCB Chemical Analysis 62-550.310(2) (c) (PWS029) (continued)

Param	MCL	Units	Samplem	Result	Units	Method	MDL	Analysis Date	Lab ID
2383 PCB	0.50	ug/l	L42949-1	BDL	ug/l	508	0.050	04/17/00	84269
2931 Dibromochloropropane	0.20	ug/l	L42949-1	BDL	ug/l	504.1	0.010	04/13/00	86356
2946 Ethylene Dibromide	0.020	ug/l	L42949-1	BDL	ug/l	504.1	0.020	04/13/00	86356
2959 Chlordane	2.0	ug/l	L42949-1	BDL	ug/l	508	0.050	04/17/00	84269

Inorganic Analysis 62-550.310(1) (PWS030)

Param	MCL	Units	Samplem	Result	Units	Method	MDL	Analysis Date	Lab ID
1024 Cyanide	0.200	mg/l	L42949-1	BDL	mg/l	355.4	0.00500	04/20/00	86356

Secondary Chemical Analysis 62-550.320 (PWS031)

Param	MCL	Units	Samplem	Result	Units	Method	MDL	Analysis Date	Lab ID
2905 MBAS	0.500	mg/l	L42949-1	0.13	mg/l	425.1	0.100	04/13/00	86356


BDL = Below Detection Limits!!!

\* Compounds are Screened Only, with an estimated detection limit.  
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.  
All analyses were performed within EPA holding times unless otherwise noted.  
Analyses are reported in dry weight unless otherwise indicated by units.

QAF# 960126  
SUB HRS# 66132, 86109, E86048  
SC CERT# 96031001  
ELPAT# 13801  
VA CERT# 00395

HRS# E86240, 86356  
ADEM ID# 40850  
TN CERT# 02985  
GA CERT# 917  
USDA Soil Permit# S-35240

NC CERT# 444  
RI CERT# 191  
CT CERT# PH-0132  
MA CERT# M-FL449

Respectfully submitted,  
  
Mike Kimmel  
Senior Project Manager

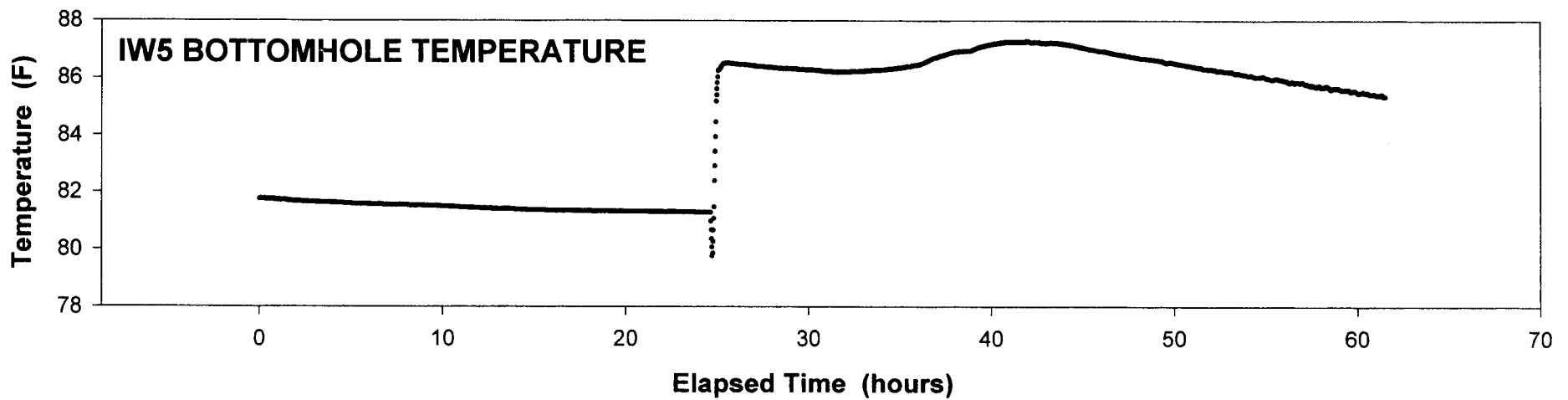
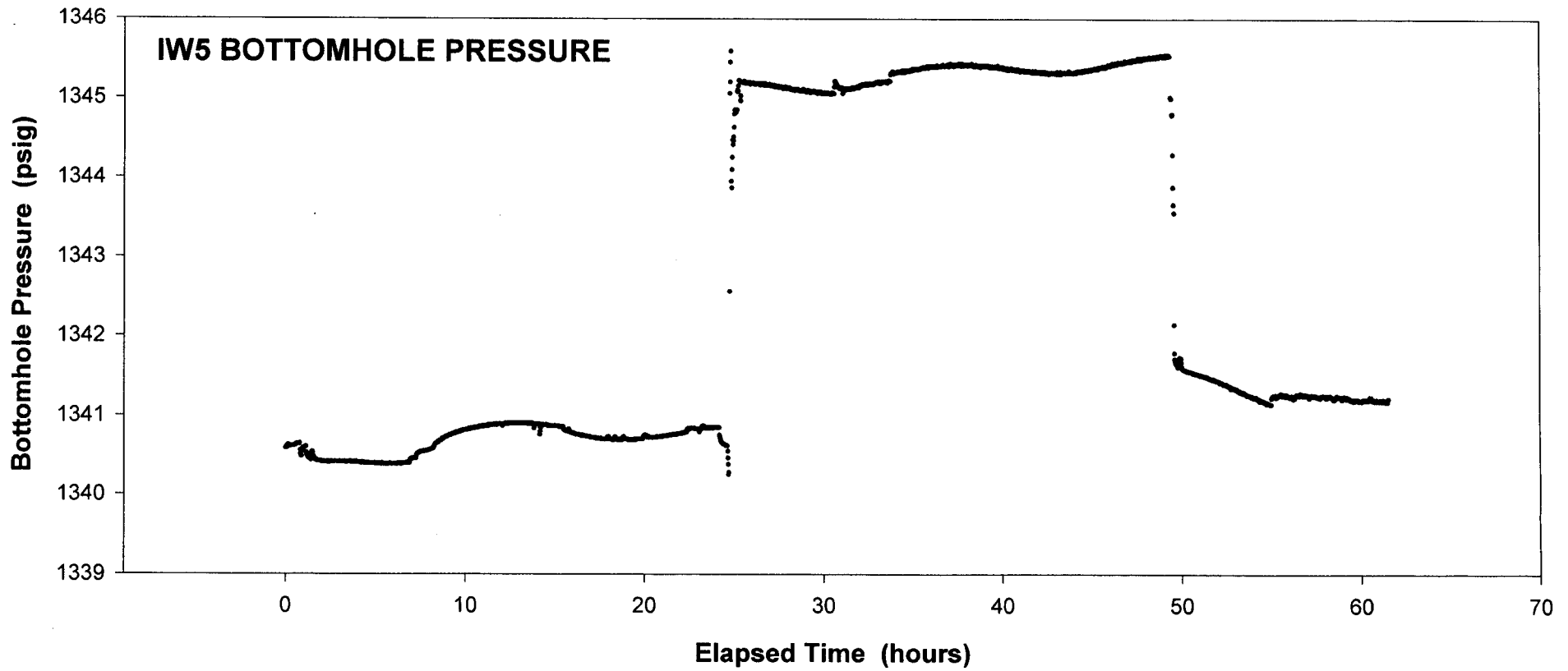


**APPENDIX Q**

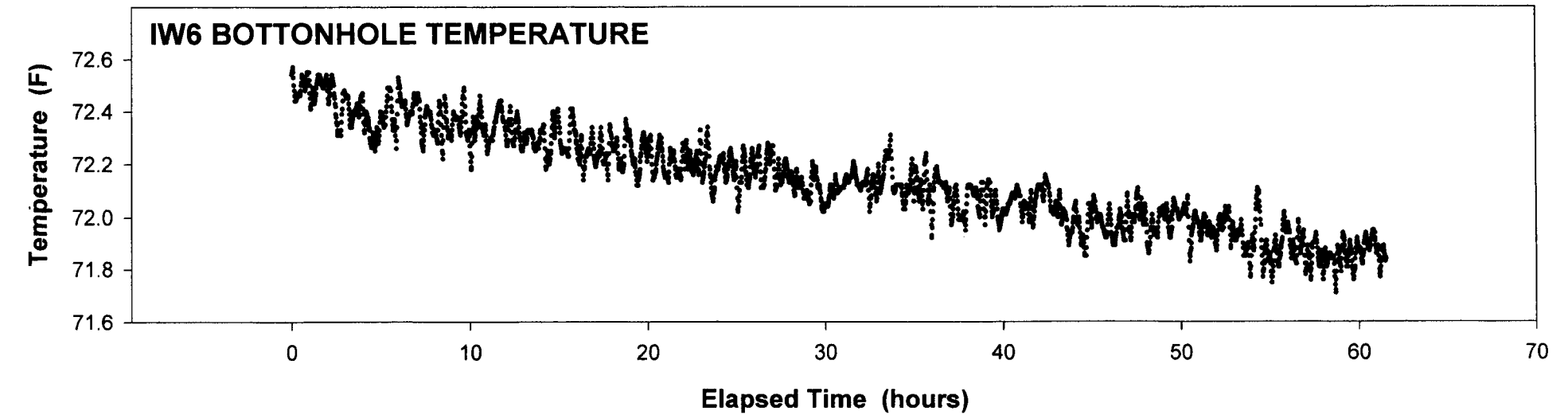
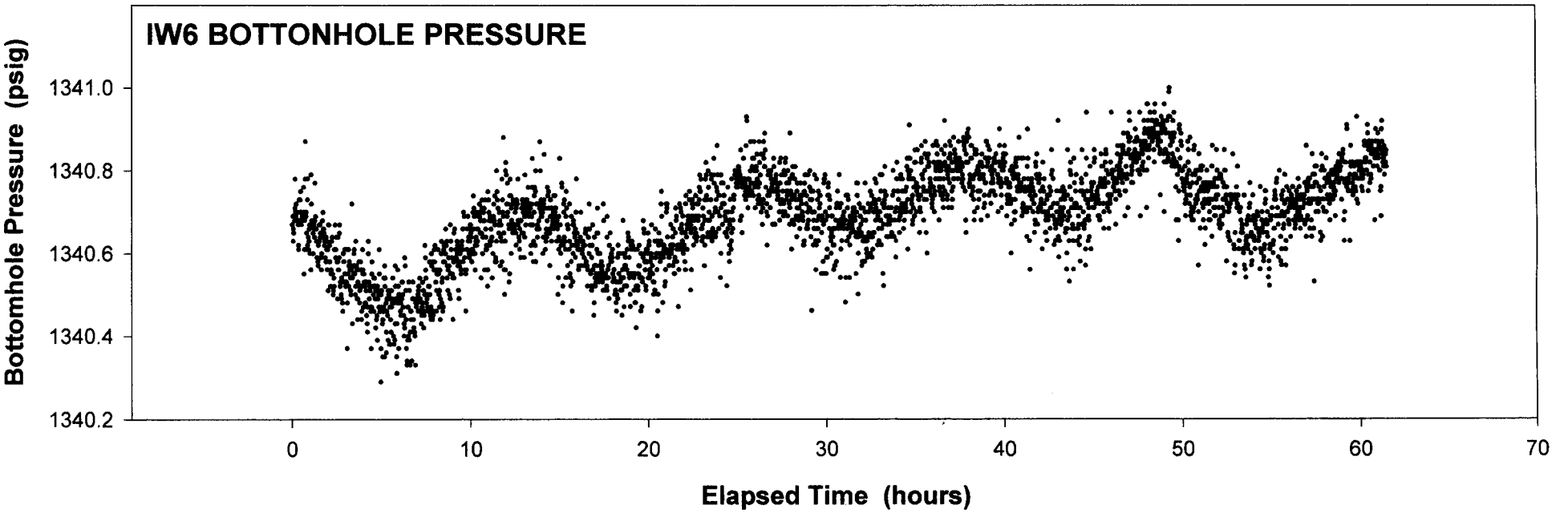
**INJECTION TEST DATA**

# IW5 Injection Test

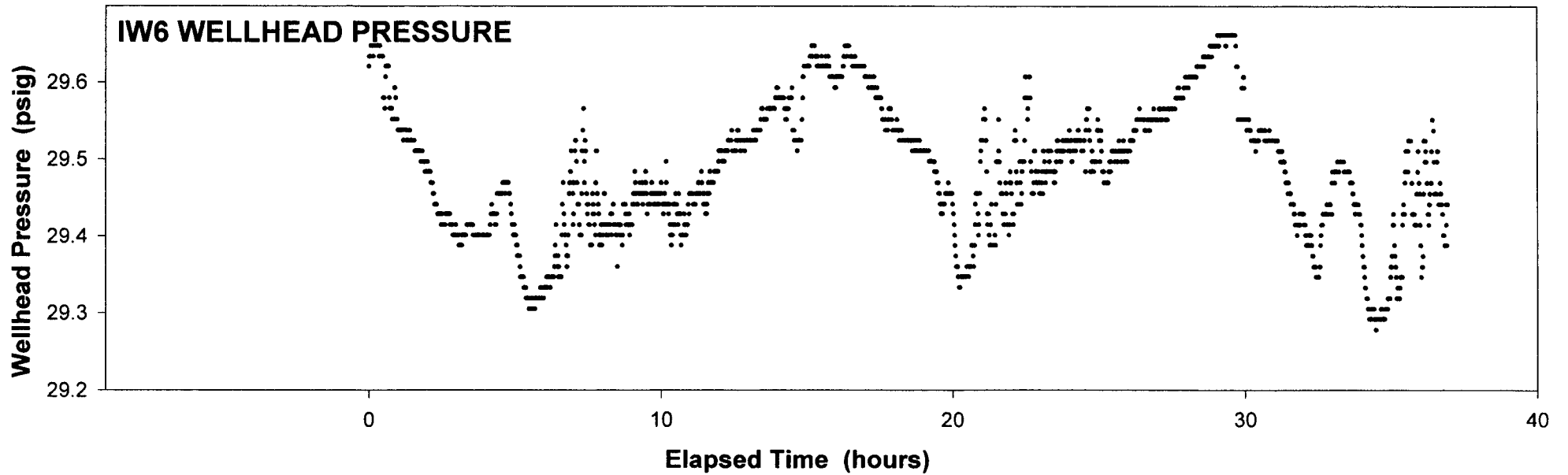
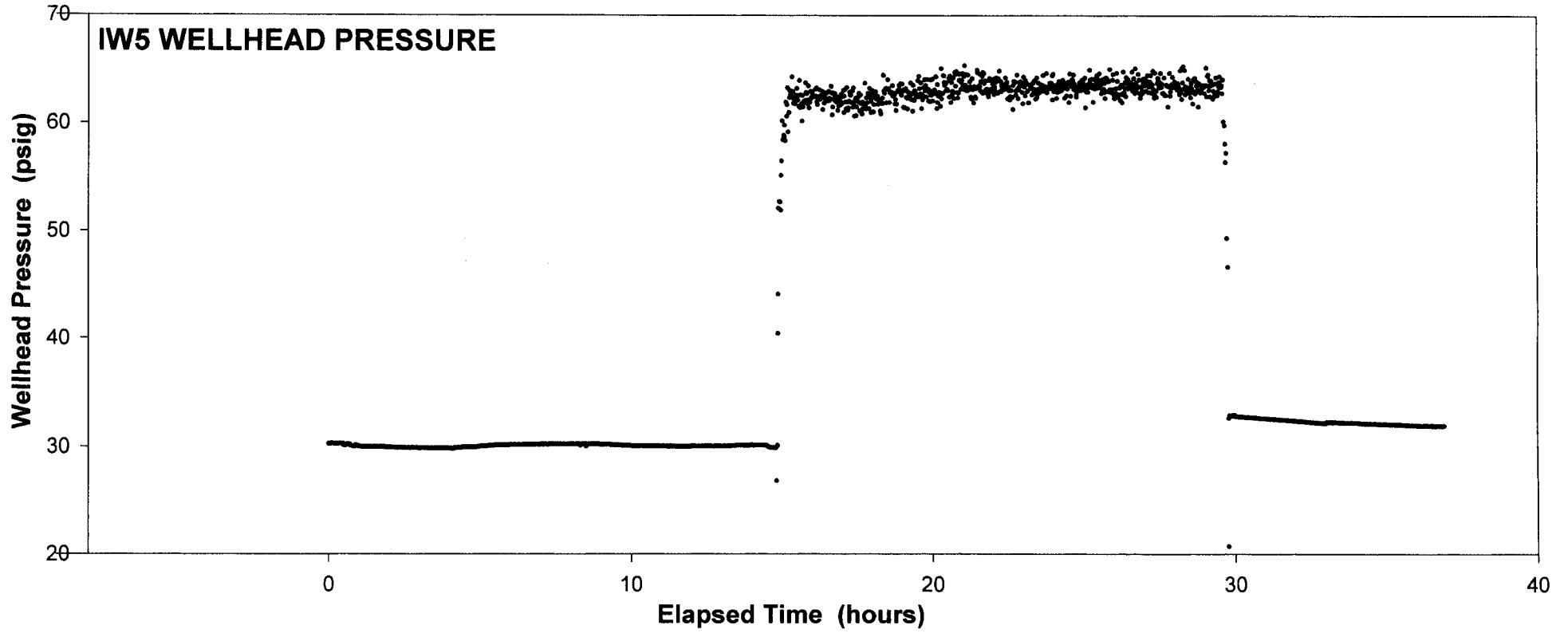
# BCNRWWTP IW5 INJECTION TEST



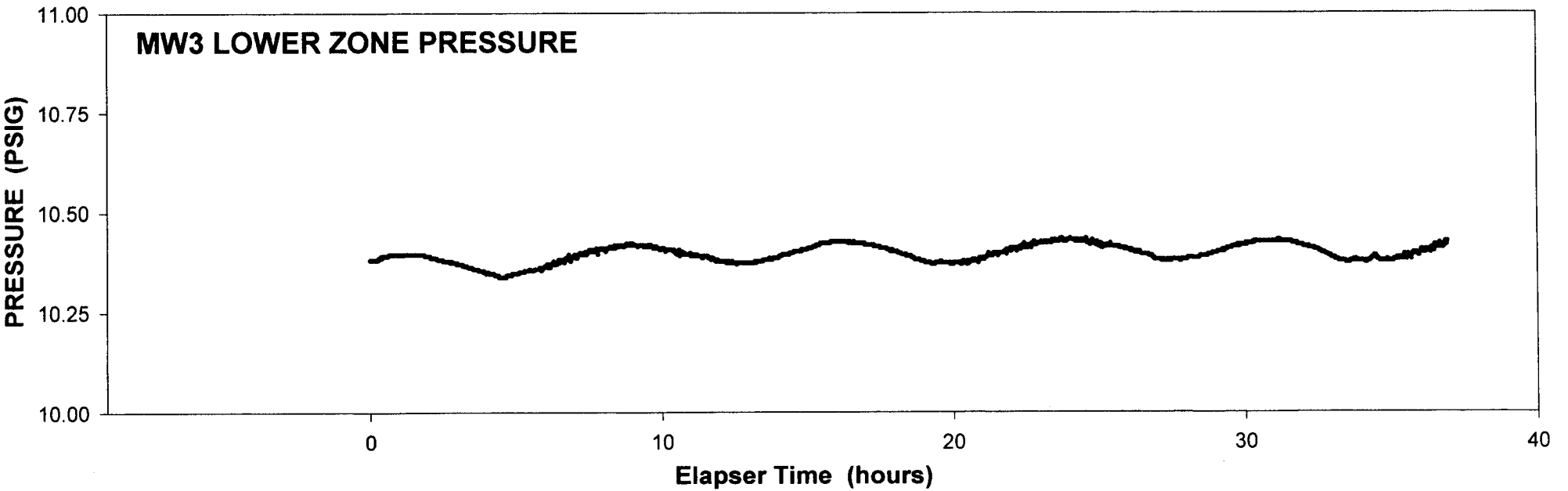
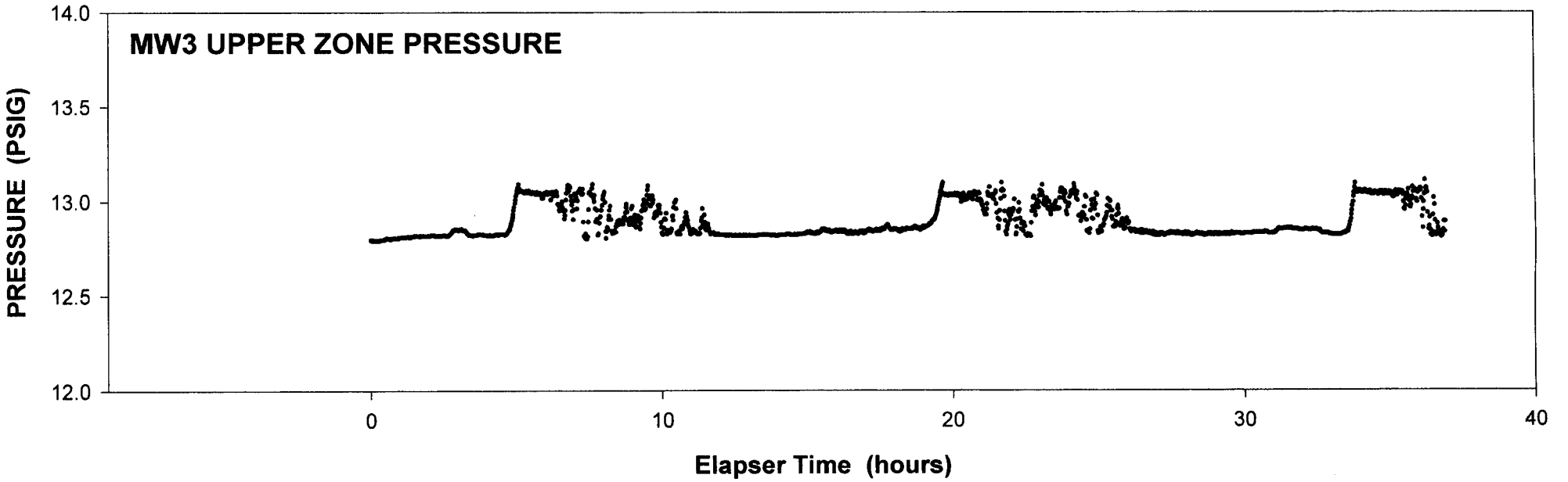
**BCNRWWTP  
IW5 INJECTION TEST**



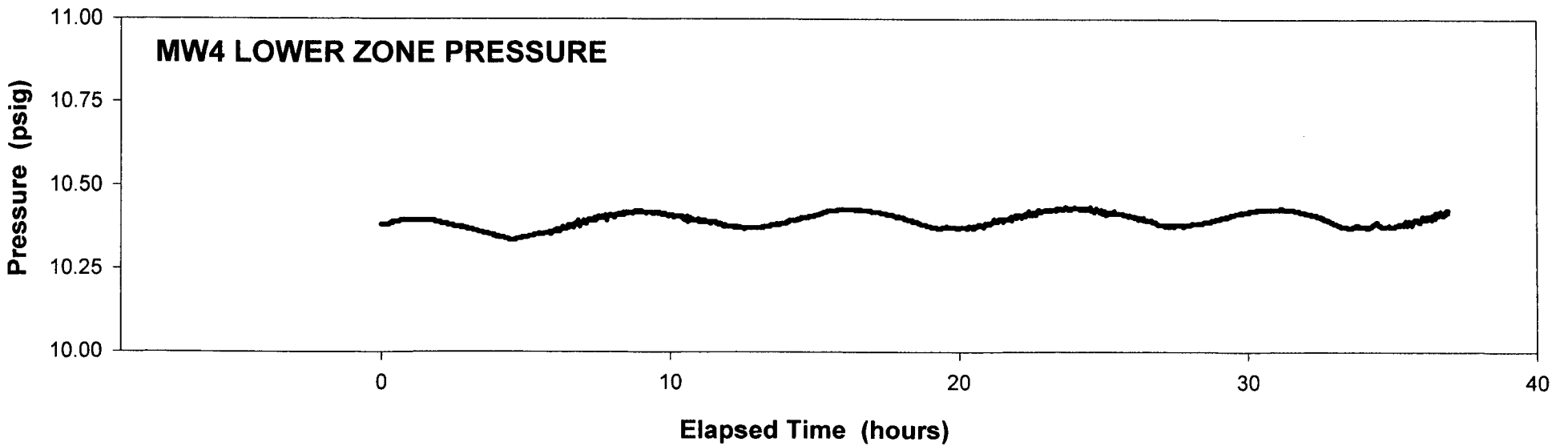
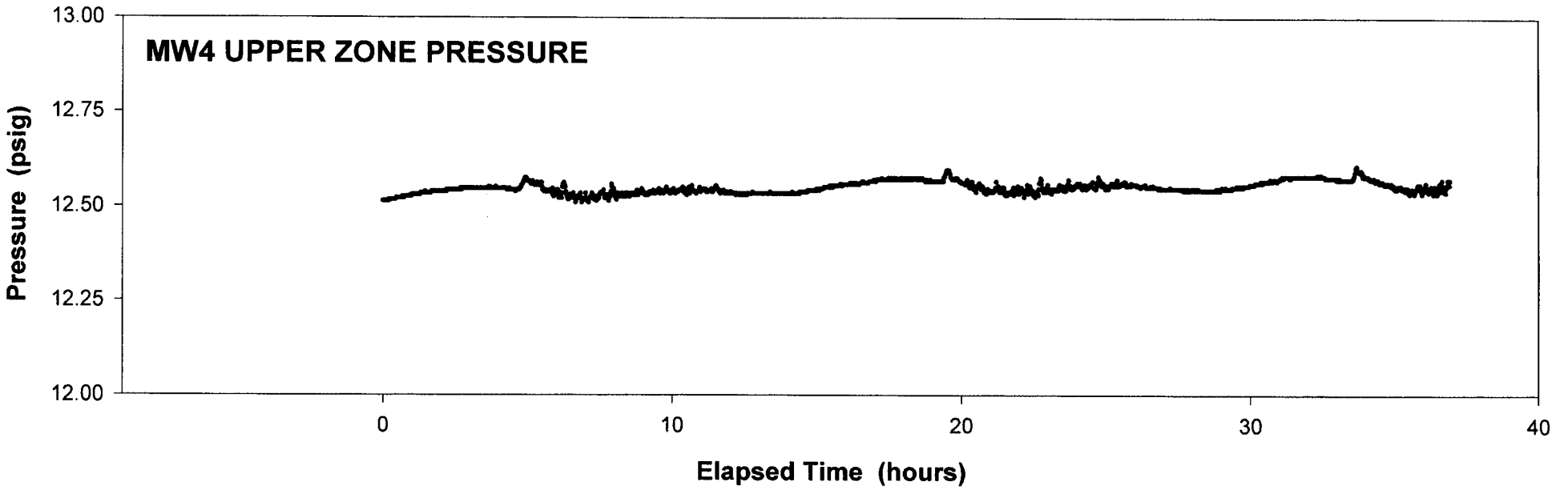
UNR WTP  
IW5 INJECTION TEST



**BCNRWWTP  
IW5 INJECTION TEST**



**BCNRWWTP  
IW5 INJECTION TEST**



## Appendix Q - Short Term Injection Test Injection Well IW5

Real Date and Time	Total Elapsed Time (hrs)	IW5 Bottomhole Pres. (psi)	IW5 Bottomhole Temp. (Deg F)	IW6 Bottomhole Pres. (psi)	IW6 Bottomhole Temp. (Deg F)	IW5 Wellhead Pres.(psi)	MW3 Upper MZ Pres.(psi)	MW3 Lower MZ Pres.(psi)	IW6 Wellhead Pres.(psi)	MW4 Upper MZ Pres.(psi)	MW4 Lower MZ Pres.(psi)
6/20/00 23:00	0.00	1340.59	81.75	1340.67	72.54	30.26	12.80	7.04	29.62	12.51	10.38
6/20/00 23:01	0.02	1340.59	81.75	1340.67	72.55	30.26	12.80	7.04	29.63	12.51	10.38
6/20/00 23:03	0.05	1340.59	81.75	1340.69	72.56	30.26	12.79	7.04	29.63	12.51	10.38
6/20/00 23:04	0.07	1340.59	81.75	1340.63	72.57	30.26	12.80	7.04	29.65	12.51	10.38
6/20/00 23:05	0.08	1340.60	81.75	1340.66	72.55	30.29	12.80	7.04	29.65	12.51	10.38
6/20/00 23:06	0.10	1340.62	81.75	1340.65	72.53	30.30	12.79	7.04	29.65	12.51	10.38
6/20/00 23:07	0.12	1340.62	81.75	1340.65	72.50	30.29	12.79	7.03	29.65	12.51	10.38
6/20/00 23:09	0.15	1340.63	81.75	1340.68	72.48	30.28	12.79	7.04	29.63	12.51	10.38
6/20/00 23:10	0.17	1340.63	81.75	1340.71	72.46	30.28	12.79	7.04	29.65	12.51	10.38
6/20/00 23:11	0.18	1340.61	81.75	1340.78	72.44	30.28	12.79	7.04	29.65	12.52	10.38
6/20/00 23:12	0.20	1340.61	81.75	1340.70	72.44	30.28	12.79	7.04	29.65	12.51	10.38
6/20/00 23:13	0.22	1340.62	81.75	1340.69	72.44	30.28	12.79	7.04	29.65	12.52	10.38
6/20/00 23:15	0.25	1340.62	81.75	1340.72	72.44	30.28	12.79	7.04	29.65	12.52	10.38
6/20/00 23:16	0.27	1340.62	81.75	1340.68	72.45	30.26	12.79	7.04	29.65	12.52	10.38
6/20/00 23:17	0.28	1340.61	81.75	1340.70	72.45	30.26	12.79	7.04	29.65	12.52	10.39
6/20/00 23:18	0.30	1340.62	81.75	1340.68	72.46	30.28	12.79	7.04	29.65	12.52	10.39
6/20/00 23:19	0.32	1340.62	81.75	1340.68	72.46	30.28	12.80	7.04	29.65	12.52	10.39
6/20/00 23:21	0.35	1340.62	81.74	1340.67	72.46	30.28	12.80	7.05	29.63	12.52	10.39
6/20/00 23:22	0.37	1340.62	81.74	1340.61	72.47	30.28	12.80	7.05	29.63	12.52	10.39
6/20/00 23:23	0.38	1340.62	81.74	1340.62	72.47	30.28	12.80	7.05	29.65	12.52	10.39
6/20/00 23:24	0.40	1340.62	81.74	1340.73	72.47	30.26	12.80	7.05	29.63	12.52	10.39
6/20/00 23:25	0.42	1340.62	81.74	1340.68	72.46	30.26	12.80	7.05	29.63	12.52	10.39
6/20/00 23:27	0.45	1340.62	81.74	1340.70	72.46	30.26	12.80	7.05	29.63	12.52	10.39
6/20/00 23:28	0.47	1340.62	81.74	1340.73	72.46	30.26	12.80	7.05	29.63	12.52	10.39
6/20/00 23:29	0.48	1340.62	81.74	1340.75	72.47	30.26	12.80	7.05	29.63	12.52	10.39
6/20/00 23:30	0.50	1340.62	81.74	1340.75	72.48	30.14	12.80	7.06	29.58	12.52	10.39
6/20/00 23:31	0.52	1340.62	81.74	1340.67	72.50	30.12	12.81	7.06	29.58	12.52	10.39
6/20/00 23:33	0.55	1340.63	81.74	1340.70	72.51	30.10	12.81	7.06	29.57	12.52	10.39
6/20/00 23:34	0.57	1340.63	81.74	1340.69	72.53	30.14	12.81	7.06	29.61	12.52	10.39
6/20/00 23:35	0.58	1340.63	81.74	1340.69	72.54	30.18	12.81	7.06	29.62	12.52	10.39
6/20/00 23:36	0.60	1340.63	81.74	1340.69	72.53	30.19	12.81	7.06	29.62	12.52	10.39
6/20/00 23:37	0.62	1340.64	81.74	1340.68	72.53	30.21	12.81	7.06	29.62	12.52	10.39
6/20/00 23:39	0.65	1340.64	81.74	1340.76	72.53	30.21	12.80	7.06	29.62	12.52	10.40
6/20/00 23:40	0.67	1340.64	81.74	1340.70	72.53	30.21	12.80	7.06	29.62	12.53	10.40
6/20/00 23:41	0.68	1340.64	81.74	1340.55	72.52	30.21	12.80	7.06	29.62	12.52	10.40
6/20/00 23:42	0.70	1340.64	81.74	1340.61	72.51	30.21	12.80	7.06	29.58	12.52	10.40
6/20/00 23:43	0.72	1340.64	81.74	1340.68	72.50	30.11	12.81	7.06	29.57	12.52	10.40
6/20/00 23:45	0.75	1340.64	81.74	1340.78	72.49	30.08	12.81	7.06	29.57	12.53	10.40
6/20/00 23:46	0.77	1340.64	81.74	1340.87	72.48	30.07	12.81	7.06	29.57	12.53	10.40
6/20/00 23:47	0.78	1340.64	81.74	1340.69	72.49	30.06	12.81	7.06	29.57	12.53	10.40
6/20/00 23:48	0.80	1340.65	81.74	1340.70	72.50	30.04	12.81	7.06	29.55	12.53	10.40
6/20/00 23:49	0.82	1340.56	81.74	1340.65	72.51	30.04	12.81	7.06	29.55	12.53	10.40
6/20/00 23:51	0.85	1340.51	81.73	1340.61	72.52	30.03	12.81	7.06	29.55	12.53	10.40
6/20/00 23:52	0.87	1340.49	81.73	1340.62	72.54	30.03	12.81	7.06	29.55	12.53	10.40
6/20/00 23:53	0.88	1340.48	81.73	1340.73	72.55	30.03	12.81	7.06	29.59	12.53	10.40
6/20/00 23:54	0.90	1340.48	81.73	1340.78	72.55	30.14	12.81	7.06	29.59	12.53	10.40
6/20/00 23:55	0.92	1340.54	81.73	1340.64	72.55	30.12	12.81	7.06	29.58	12.53	10.40
6/20/00 23:57	0.95	1340.57	81.73	1340.61	72.55	30.08	12.81	7.06	29.55	12.53	10.40
6/20/00 23:58	0.97	1340.58	81.73	1340.63	72.55	30.06	12.81	7.06	29.55	12.53	10.40
6/20/00 23:59	0.98	1340.59	81.73	1340.66	72.52	30.04	12.81	7.06	29.55	12.53	10.40
6/21/00 0:00	1.00	1340.59	81.73	1340.67	72.50	30.03	12.81	7.06	29.54	12.53	10.40
6/21/00 0:01	1.02	1340.59	81.72	1340.60	72.47	30.01	12.81	7.06	29.54	12.53	10.40
6/21/00 0:03	1.05	1340.60	81.72	1340.67	72.45	30.01	12.81	7.06	29.54	12.53	10.40
6/21/00 0:04	1.07	1340.60	81.72	1340.56	72.42	30.00	12.81	7.06	29.54	12.53	10.40
6/21/00 0:05	1.08	1340.60	81.72	1340.79	72.41	30.00	12.81	7.06	29.54	12.53	10.40
6/21/00 0:06	1.10	1340.60	81.72	1340.72	72.43	30.00	12.81	7.06	29.54	12.53	10.40
6/21/00 0:07	1.12	1340.60	81.72	1340.68	72.45	29.99	12.81	7.06	29.54	12.53	10.40
6/21/00 0:09	1.15	1340.61	81.72	1340.67	72.47	29.99	12.81	7.06	29.54	12.53	10.40
6/21/00 0:10	1.17	1340.53	81.72	1340.67	72.49	29.99	12.81	7.06	29.54	12.53	10.40
6/21/00 0:11	1.18	1340.51	81.72	1340.65	72.49	29.99	12.81	7.06	29.53	12.53	10.40
6/21/00 0:12	1.20	1340.49	81.71	1340.60	72.48	29.99	12.81	7.06	29.54	12.53	10.40
6/21/00 0:13	1.22	1340.48	81.71	1340.67	72.46	29.99	12.81	7.06	29.54	12.53	10.40
6/21/00 0:15	1.25	1340.47	81.71	1340.66	72.45	29.97	12.82	7.06	29.54	12.53	10.40
6/21/00 0:16	1.27	1340.46	81.71	1340.64	72.43	29.97	12.82	7.07	29.54	12.53	10.40
6/21/00 0:17	1.28	1340.46	81.71	1340.68	72.43	29.97	12.82	7.07	29.54	12.53	10.40
6/21/00 0:18	1.30	1340.45	81.71	1340.77	72.44	29.97	12.82	7.07	29.53	12.54	10.40
6/21/00 0:19	1.32	1340.45	81.71	1340.69	72.45	29.97	12.81	7.07	29.53	12.54	10.40
6/21/00 0:21	1.35	1340.45	81.71	1340.66	72.46	29.97	12.82	7.06	29.53	12.54	10.40
6/21/00 0:22	1.37	1340.44	81.71	1340.63	72.47	29.97	12.81	7.06	29.54	12.54	10.40
6/21/00 0:23	1.38	1340.44	81.71	1340.63	72.49	29.97	12.82	7.06	29.54	12.54	10.40
6/21/00 0:24	1.40	1340.44	81.71	1340.59	72.50	29.96	12.82	7.07	29.54	12.54	10.40



6/21/00 0:25	1.42	1340.43	81.71	1340.59	72.51	29.96	12.82	7.07	29.53	12.54	10.40
6/21/00 0:27	1.45	1340.48	81.71	1340.58	72.52	29.96	12.82	7.07	29.53	12.54	10.40
6/21/00 0:28	1.47	1340.53	81.71	1340.57	72.53	29.96	12.82	7.07	29.53	12.54	10.40
6/21/00 0:29	1.48	1340.54	81.71	1340.62	72.54	29.96	12.82	7.07	29.53	12.54	10.40
6/21/00 0:30	1.50	1340.54	81.71	1340.63	72.54	29.96	12.82	7.07	29.53	12.54	10.40
6/21/00 0:31	1.52	1340.53	81.71	1340.67	72.54	29.96	12.82	7.07	29.53	12.54	10.40
6/21/00 0:33	1.55	1340.48	81.70	1340.63	72.54	29.96	12.82	7.07	29.53	12.54	10.40
6/21/00 0:34	1.57	1340.47	81.70	1340.67	72.54	29.96	12.82	7.07	29.51	12.54	10.40
6/21/00 0:35	1.58	1340.46	81.70	1340.64	72.54	29.96	12.82	7.07	29.51	12.54	10.40
6/21/00 0:36	1.60	1340.46	81.70	1340.65	72.53	29.96	12.82	7.07	29.51	12.54	10.40
6/21/00 0:37	1.62	1340.45	81.70	1340.59	72.53	29.96	12.82	7.07	29.51	12.54	10.40
6/21/00 0:39	1.65	1340.44	81.70	1340.56	72.52	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:40	1.67	1340.43	81.70	1340.60	72.51	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:41	1.68	1340.43	81.70	1340.65	72.50	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:42	1.70	1340.43	81.70	1340.64	72.50	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:43	1.72	1340.43	81.70	1340.68	72.50	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:45	1.75	1340.43	81.69	1340.70	72.49	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:46	1.77	1340.42	81.69	1340.66	72.49	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:47	1.78	1340.42	81.69	1340.66	72.49	29.95	12.82	7.07	29.50	12.54	10.40
6/21/00 0:48	1.80	1340.42	81.69	1340.65	72.49	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:49	1.82	1340.42	81.69	1340.62	72.50	29.95	12.82	7.07	29.51	12.54	10.40
6/21/00 0:51	1.85	1340.42	81.69	1340.63	72.50	29.95	12.82	7.07	29.50	12.54	10.40
6/21/00 0:52	1.87	1340.42	81.69	1340.64	72.51	29.93	12.82	7.07	29.50	12.54	10.39
6/21/00 0:53	1.88	1340.42	81.69	1340.59	72.52	29.93	12.82	7.07	29.50	12.54	10.39
6/21/00 0:54	1.90	1340.42	81.69	1340.58	72.52	29.93	12.82	7.07	29.50	12.54	10.39
6/21/00 0:55	1.92	1340.42	81.69	1340.64	72.53	29.93	12.82	7.07	29.48	12.54	10.39
6/21/00 0:57	1.95	1340.42	81.69	1340.61	72.53	29.93	12.82	7.07	29.48	12.54	10.39
6/21/00 0:58	1.97	1340.42	81.69	1340.56	72.54	29.93	12.82	7.07	29.48	12.54	10.39
6/21/00 0:59	1.98	1340.42	81.69	1340.63	72.52	29.93	12.82	7.06	29.50	12.54	10.39
6/21/00 1:00	2.00	1340.41	81.69	1340.61	72.50	29.93	12.82	7.06	29.50	12.54	10.39
6/21/00 1:01	2.02	1340.41	81.69	1340.51	72.48	29.92	12.82	7.06	29.48	12.54	10.39
6/21/00 1:03	2.05	1340.41	81.69	1340.58	72.45	29.92	12.82	7.06	29.48	12.54	10.39
6/21/00 1:04	2.07	1340.41	81.69	1340.67	72.43	29.92	12.82	7.06	29.48	12.54	10.39
6/21/00 1:05	2.08	1340.41	81.69	1340.67	72.43	29.92	12.82	7.06	29.48	12.54	10.39
6/21/00 1:06	2.10	1340.41	81.69	1340.62	72.44	29.92	12.82	7.06	29.48	12.54	10.39
6/21/00 1:07	2.12	1340.41	81.69	1340.58	72.46	29.92	12.82	7.06	29.47	12.54	10.39
6/21/00 1:09	2.15	1340.41	81.69	1340.52	72.47	29.92	12.82	7.06	29.47	12.54	10.39
6/21/00 1:10	2.17	1340.41	81.69	1340.55	72.49	29.92	12.82	7.06	29.47	12.54	10.39
6/21/00 1:11	2.18	1340.41	81.69	1340.56	72.51	29.92	12.82	7.06	29.47	12.54	10.39
6/21/00 1:12	2.20	1340.41	81.69	1340.56	72.52	29.92	12.82	7.06	29.46	12.54	10.39
6/21/00 1:13	2.22	1340.41	81.69	1340.63	72.52	29.90	12.82	7.06	29.46	12.54	10.39
6/21/00 1:15	2.25	1340.41	81.68	1340.64	72.53	29.92	12.82	7.06	29.44	12.54	10.39
6/21/00 1:16	2.27	1340.41	81.68	1340.64	72.54	29.90	12.82	7.06	29.44	12.54	10.39
6/21/00 1:17	2.28	1340.41	81.68	1340.55	72.54	29.90	12.82	7.06	29.44	12.54	10.39
6/21/00 1:18	2.30	1340.41	81.68	1340.50	72.53	29.90	12.82	7.06	29.44	12.54	10.38
6/21/00 1:19	2.32	1340.41	81.68	1340.51	72.52	29.90	12.82	7.06	29.44	12.54	10.38
6/21/00 1:21	2.35	1340.41	81.67	1340.54	72.51	29.90	12.82	7.06	29.43	12.54	10.38
6/21/00 1:22	2.37	1340.41	81.67	1340.52	72.50	29.90	12.82	7.06	29.43	12.54	10.38
6/21/00 1:23	2.38	1340.41	81.68	1340.61	72.47	29.90	12.82	7.06	29.43	12.54	10.38
6/21/00 1:24	2.40	1340.40	81.68	1340.61	72.46	29.90	12.82	7.06	29.43	12.54	10.38
6/21/00 1:25	2.42	1340.40	81.68	1340.67	72.45	29.90	12.82	7.06	29.43	12.54	10.38
6/21/00 1:27	2.45	1340.41	81.68	1340.59	72.43	29.89	12.82	7.06	29.43	12.54	10.38
6/21/00 1:28	2.47	1340.41	81.68	1340.61	72.42	29.89	12.82	7.06	29.42	12.54	10.38
6/21/00 1:29	2.48	1340.41	81.67	1340.64	72.39	29.89	12.82	7.06	29.43	12.54	10.38
6/21/00 1:30	2.50	1340.41	81.67	1340.64	72.38	29.89	12.82	7.06	29.43	12.54	10.38
6/21/00 1:31	2.52	1340.41	81.67	1340.58	72.36	29.89	12.82	7.06	29.42	12.54	10.38
6/21/00 1:33	2.55	1340.41	81.67	1340.49	72.35	29.89	12.82	7.06	29.42	12.54	10.38
6/21/00 1:34	2.57	1340.41	81.67	1340.58	72.33	29.89	12.82	7.06	29.42	12.54	10.38
6/21/00 1:35	2.58	1340.41	81.67	1340.64	72.31	29.89	12.82	7.06	29.42	12.54	10.38
6/21/00 1:36	2.60	1340.41	81.67	1340.56	72.32	29.89	12.82	7.06	29.42	12.54	10.38
6/21/00 1:37	2.62	1340.41	81.67	1340.56	72.32	29.89	12.82	7.06	29.43	12.54	10.38
6/21/00 1:39	2.65	1340.41	81.67	1340.59	72.32	29.89	12.82	7.06	29.43	12.54	10.38
6/21/00 1:40	2.67	1340.41	81.67	1340.65	72.32	29.89	12.82	7.06	29.43	12.55	10.38
6/21/00 1:41	2.68	1340.41	81.66	1340.67	72.31	29.89	12.82	7.06	29.43	12.54	10.38
6/21/00 1:42	2.70	1340.41	81.66	1340.52	72.31	29.89	12.83	7.06	29.43	12.55	10.38
6/21/00 1:43	2.72	1340.41	81.66	1340.53	72.31	29.88	12.83	7.05	29.43	12.54	10.38
6/21/00 1:45	2.75	1340.41	81.66	1340.50	72.31	29.89	12.83	7.05	29.43	12.55	10.37
6/21/00 1:46	2.77	1340.41	81.66	1340.49	72.31	29.88	12.84	7.05	29.43	12.55	10.38
6/21/00 1:47	2.78	1340.41	81.66	1340.54	72.33	29.88	12.84	7.06	29.42	12.55	10.38
6/21/00 1:48	2.80	1340.41	81.66	1340.53	72.36	29.88	12.84	7.06	29.42	12.55	10.38
6/21/00 1:49	2.82	1340.41	81.66	1340.48	72.39	29.88	12.85	7.06	29.42	12.55	10.37
6/21/00 1:51	2.85	1340.41	81.66	1340.46	72.41	29.88	12.85	7.06	29.42	12.55	10.37
6/21/00 1:52	2.87	1340.41	81.66	1340.60	72.44	29.88	12.85	7.06	29.40	12.55	10.37
6/21/00 1:53	2.88	1340.41	81.66	1340.60	72.47	29.88	12.85	7.06	29.40	12.55	10.37
6/21/00 1:54	2.90	1340.41	81.66	1340.58	72.47	29.88	12.85	7.06	29.40	12.55	10.37
6/21/00 1:55	2.92	1340.41	81.66	1340.58	72.47	29.88	12.85	7.06	29.40	12.55	10.37
6/21/00 1:57	2.95	1340.41	81.66	1340.61	72.47	29.86	12.85	7.06	29.40	12.55	10.37
6/21/00 1:58	2.97	1340.41	81.66	1340.55	72.48	29.86	12.85	7.06	29.40	12.55	10.37
6/21/00 1:59	2.98	1340.41	81.66	1340.53	72.47	29.88	12.85	7.06	29.42	12.55	10.37
6/21/00 2:00	3.00	1340.41	81.66	1340.52	72.47	29.86	12.85	7.06	29.40	12.55	10.37

6/21/00 2:05	3.08	1340.41	81.65	1340.37	72.45	29.86	12.85	7.06	29.39	12.55	10.37
6/21/00 2:06	3.10	1340.41	81.65	1340.48	72.45	29.86	12.86	7.06	29.39	12.55	10.37
6/21/00 2:07	3.12	1340.41	81.65	1340.61	72.46	29.86	12.86	7.06	29.39	12.55	10.37
6/21/00 2:09	3.15	1340.41	81.65	1340.55	72.46	29.86	12.85	7.05	29.39	12.55	10.37
6/21/00 2:10	3.17	1340.41	81.65	1340.52	72.46	29.86	12.85	7.05	29.39	12.55	10.37
6/21/00 2:11	3.18	1340.41	81.65	1340.61	72.45	29.86	12.85	7.05	29.40	12.55	10.37
6/21/00 2:12	3.20	1340.41	81.65	1340.57	72.43	29.86	12.85	7.05	29.40	12.55	10.37
6/21/00 2:13	3.22	1340.41	81.65	1340.58	72.41	29.86	12.85	7.05	29.40	12.55	10.37
6/21/00 2:15	3.25	1340.41	81.65	1340.56	72.39	29.86	12.85	7.05	29.40	12.55	10.37
6/21/00 2:16	3.27	1340.41	81.65	1340.54	72.37	29.85	12.84	7.05	29.40	12.55	10.37
6/21/00 2:17	3.28	1340.41	81.64	1340.51	72.35	29.85	12.84	7.05	29.40	12.55	10.37
6/21/00 2:18	3.30	1340.41	81.64	1340.50	72.34	29.85	12.84	7.05	29.40	12.55	10.37
6/21/00 2:19	3.32	1340.41	81.64	1340.56	72.34	29.85	12.83	7.05	29.40	12.55	10.37
6/21/00 2:21	3.35	1340.41	81.64	1340.54	72.34	29.85	12.83	7.05	29.42	12.55	10.36
6/21/00 2:22	3.37	1340.41	81.64	1340.72	72.34	29.85	12.83	7.05	29.42	12.55	10.36
6/21/00 2:23	3.38	1340.40	81.64	1340.43	72.35	29.85	12.82	7.05	29.42	12.55	10.36
6/21/00 2:24	3.40	1340.40	81.64	1340.54	72.36	29.85	12.82	7.05	29.42	12.55	10.36
6/21/00 2:25	3.42	1340.41	81.64	1340.57	72.37	29.85	12.82	7.05	29.42	12.55	10.36
6/21/00 2:27	3.45	1340.41	81.64	1340.55	72.38	29.85	12.82	7.05	29.42	12.55	10.36
6/21/00 2:28	3.47	1340.41	81.64	1340.57	72.40	29.85	12.82	7.05	29.42	12.55	10.36
6/21/00 2:29	3.48	1340.41	81.64	1340.60	72.40	29.85	12.82	7.04	29.42	12.55	10.36
6/21/00 2:30	3.50	1340.41	81.64	1340.61	72.40	29.85	12.82	7.05	29.42	12.55	10.36
6/21/00 2:31	3.52	1340.41	81.64	1340.55	72.40	29.85	12.82	7.05	29.42	12.55	10.36
6/21/00 2:33	3.55	1340.41	81.64	1340.50	72.39	29.85	12.82	7.04	29.42	12.55	10.36
6/21/00 2:34	3.57	1340.41	81.64	1340.52	72.39	29.85	12.82	7.04	29.40	12.55	10.36
6/21/00 2:35	3.58	1340.41	81.64	1340.63	72.40	29.85	12.82	7.04	29.40	12.55	10.36
6/21/00 2:36	3.60	1340.41	81.64	1340.57	72.41	29.85	12.82	7.04	29.40	12.55	10.36
6/21/00 2:37	3.62	1340.41	81.64	1340.56	72.41	29.85	12.82	7.04	29.40	12.55	10.36
6/21/00 2:39	3.65	1340.41	81.64	1340.49	72.42	29.85	12.82	7.04	29.40	12.55	10.36
6/21/00 2:40	3.67	1340.40	81.64	1340.44	72.43	29.85	12.83	7.04	29.40	12.55	10.36
6/21/00 2:41	3.68	1340.40	81.64	1340.49	72.43	29.84	12.83	7.04	29.40	12.55	10.36
6/21/00 2:42	3.70	1340.40	81.64	1340.53	72.42	29.85	12.83	7.04	29.40	12.55	10.36
6/21/00 2:43	3.72	1340.40	81.64	1340.56	72.40	29.84	12.83	7.04	29.40	12.55	10.35
6/21/00 2:45	3.75	1340.40	81.64	1340.58	72.39	29.84	12.83	7.04	29.40	12.55	10.35
6/21/00 2:46	3.77	1340.40	81.64	1340.52	72.38	29.84	12.83	7.04	29.40	12.55	10.35
6/21/00 2:47	3.78	1340.40	81.64	1340.48	72.38	29.84	12.83	7.04	29.40	12.55	10.35
6/21/00 2:48	3.80	1340.40	81.64	1340.51	72.39	29.84	12.83	7.04	29.40	12.55	10.35
6/21/00 2:49	3.82	1340.40	81.64	1340.52	72.41	29.84	12.83	7.04	29.40	12.55	10.35
6/21/00 2:51	3.85	1340.41	81.64	1340.58	72.42	29.84	12.83	7.04	29.40	12.55	10.35
6/21/00 2:52	3.87	1340.40	81.64	1340.56	72.44	29.84	12.82	7.04	29.40	12.55	10.35
6/21/00 2:53	3.88	1340.40	81.63	1340.44	72.45	29.84	12.82	7.04	29.40	12.55	10.35
6/21/00 2:54	3.90	1340.40	81.63	1340.46	72.46	29.84	12.82	7.04	29.40	12.55	10.35
6/21/00 2:55	3.92	1340.40	81.63	1340.52	72.46	29.84	12.82	7.04	29.40	12.55	10.35
6/21/00 2:57	3.95	1340.41	81.63	1340.61	72.46	29.84	12.82	7.04	29.40	12.55	10.35
6/21/00 2:58	3.97	1340.40	81.63	1340.56	72.47	29.84	12.82	7.04	29.40	12.55	10.35
6/21/00 2:59	3.98	1340.40	81.63	1340.55	72.44	29.84	12.82	7.03	29.40	12.55	10.35
6/21/00 3:00	4.00	1340.40	81.63	1340.47	72.41	29.84	12.82	7.03	29.40	12.55	10.35
6/21/00 3:01	4.02	1340.40	81.63	1340.55	72.39	29.84	12.82	7.03	29.40	12.55	10.35
6/21/00 3:03	4.05	1340.40	81.63	1340.53	72.36	29.84	12.82	7.03	29.40	12.55	10.35
6/21/00 3:04	4.07	1340.40	81.63	1340.52	72.33	29.84	12.82	7.03	29.40	12.55	10.35
6/21/00 3:05	4.08	1340.40	81.63	1340.48	72.32	29.84	12.82	7.03	29.40	12.55	10.35
6/21/00 3:06	4.10	1340.40	81.63	1340.48	72.33	29.79	12.82	7.03	29.40	12.55	10.35
6/21/00 3:07	4.12	1340.40	81.63	1340.53	72.35	29.84	12.82	7.03	29.40	12.55	10.35
6/21/00 3:09	4.15	1340.40	81.63	1340.51	72.37	29.84	12.82	7.03	29.42	12.55	10.35
6/21/00 3:10	4.17	1340.40	81.63	1340.53	72.39	29.84	12.82	7.03	29.43	12.55	10.35
6/21/00 3:11	4.18	1340.40	81.62	1340.45	72.40	29.88	12.82	7.03	29.43	12.55	10.35
6/21/00 3:12	4.20	1340.40	81.62	1340.43	72.39	29.88	12.82	7.03	29.44	12.55	10.35
6/21/00 3:13	4.22	1340.39	81.62	1340.41	72.39	29.88	12.82	7.03	29.43	12.55	10.35
6/21/00 3:15	4.25	1340.40	81.62	1340.47	72.38	29.88	12.82	7.03	29.43	12.55	10.35
6/21/00 3:16	4.27	1340.40	81.62	1340.63	72.38	29.88	12.82	7.03	29.43	12.55	10.34
6/21/00 3:17	4.28	1340.40	81.62	1340.60	72.37	29.88	12.83	7.03	29.43	12.54	10.34
6/21/00 3:18	4.30	1340.40	81.62	1340.53	72.36	29.88	12.83	7.03	29.43	12.54	10.34
6/21/00 3:19	4.32	1340.40	81.62	1340.49	72.35	29.88	12.83	7.03	29.42	12.54	10.34
6/21/00 3:21	4.35	1340.40	81.62	1340.51	72.34	29.88	12.83	7.03	29.42	12.54	10.34
6/21/00 3:22	4.37	1340.39	81.62	1340.52	72.33	29.88	12.82	7.03	29.43	12.55	10.34
6/21/00 3:23	4.38	1340.39	81.62	1340.47	72.30	29.88	12.82	7.03	29.46	12.54	10.34
6/21/00 3:24	4.40	1340.39	81.62	1340.46	72.29	29.93	12.83	7.03	29.46	12.54	10.34
6/21/00 3:25	4.42	1340.39	81.62	1340.37	72.28	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:27	4.45	1340.39	81.62	1340.47	72.27	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:28	4.47	1340.39	81.62	1340.55	72.26	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:29	4.48	1340.39	81.62	1340.58	72.26	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:30	4.50	1340.39	81.62	1340.52	72.28	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:31	4.52	1340.39	81.62	1340.52	72.29	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:33	4.55	1340.39	81.62	1340.50	72.30	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:34	4.57	1340.39	81.61	1340.46	72.32	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:35	4.58	1340.39	81.61	1340.54	72.31	29.95	12.83	7.03	29.47	12.54	10.34
6/21/00 3:36	4.60	1340.39	81.61	1340.54	72.30	29.95	12.82	7.03	29.47	12.54	10.34
6/21/00 3:37	4.62	1340.39	81.61	1340.52	72.28	29.95	12.83	7.03	29.47	12.54	10.34
6/21/00 3:39	4.65	1340.39	81.61	1340.52	72.26	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:40	4.67	1340.39	81.61	1340.49	72.25	29.95	12.83	7.03	29.46	12.54	10.34
6/21/00 3:41	4.68	1340.39	81.61	1340.42	72.25	29.95	12.84	7.03	29.47	12.54	10.34

6/21/00 3:42	4.70	1340.39	81.61	1340.51	72.27	29.95	12.84	7.04	29.47	12.54	10.34
6/21/00 3:43	4.72	1340.39	81.60	1340.44	72.29	29.95	12.84	7.04	29.47	12.55	10.34
6/21/00 3:45	4.75	1340.39	81.60	1340.45	72.32	29.96	12.85	7.04	29.47	12.55	10.34
6/21/00 3:46	4.77	1340.39	81.60	1340.39	72.34	29.96	12.85	7.04	29.47	12.55	10.34
6/21/00 3:47	4.78	1340.39	81.60	1340.52	72.34	29.96	12.86	7.05	29.46	12.56	10.34
6/21/00 3:48	4.80	1340.39	81.60	1340.49	72.33	29.96	12.87	7.06	29.46	12.56	10.34
6/21/00 3:49	4.82	1340.39	81.60	1340.51	72.31	29.96	12.89	7.07	29.46	12.56	10.34
6/21/00 3:51	4.85	1340.39	81.60	1340.50	72.30	29.96	12.90	7.08	29.44	12.56	10.34
6/21/00 3:52	4.87	1340.39	81.60	1340.47	72.28	29.96	12.92	7.09	29.43	12.57	10.35
6/21/00 3:53	4.88	1340.39	81.60	1340.61	72.29	29.97	12.93	7.11	29.43	12.57	10.35
6/21/00 3:54	4.90	1340.39	81.60	1340.55	72.31	29.97	12.96	7.13	29.42	12.57	10.35
6/21/00 3:55	4.92	1340.39	81.60	1340.46	72.33	29.97	12.97	7.16	29.42	12.58	10.35
6/21/00 3:57	4.95	1340.39	81.60	1340.29	72.36	29.97	12.99	7.12	29.40	12.58	10.35
6/21/00 3:58	4.97	1340.39	81.60	1340.37	72.38	29.97	13.01	7.15	29.42	12.57	10.35
6/21/00 3:59	4.98	1340.39	81.60	1340.50	72.40	30.01	13.03	7.17	29.40	12.57	10.35
6/21/00 4:00	5.00	1340.39	81.60	1340.47	72.40	30.01	13.04	7.12	29.40	12.57	10.35
6/21/00 4:01	5.02	1340.38	81.60	1340.51	72.39	30.03	13.06	7.13	29.40	12.57	10.35
6/21/00 4:03	5.05	1340.39	81.59	1340.43	72.39	30.03	13.08	7.15	29.39	12.57	10.35
6/21/00 4:04	5.07	1340.38	81.59	1340.35	72.39	30.03	13.09	7.17	29.39	12.57	10.35
6/21/00 4:05	5.08	1340.38	81.59	1340.44	72.38	30.04	13.07	7.13	29.37	12.56	10.35
6/21/00 4:06	5.10	1340.38	81.59	1340.46	72.37	30.03	13.07	7.16	29.37	12.56	10.35
6/21/00 4:07	5.12	1340.38	81.59	1340.47	72.36	30.06	13.05	7.11	29.37	12.56	10.35
6/21/00 4:09	5.15	1340.39	81.59	1340.54	72.35	30.06	13.06	7.14	29.37	12.56	10.35
6/21/00 4:10	5.17	1340.38	81.59	1340.35	72.35	30.06	13.05	7.17	29.36	12.57	10.35
6/21/00 4:11	5.18	1340.38	81.59	1340.57	72.34	30.06	13.06	7.13	29.35	12.56	10.35
6/21/00 4:12	5.20	1340.38	81.59	1340.52	72.35	30.06	13.05	7.14	29.35	12.56	10.35
6/21/00 4:13	5.22	1340.38	81.59	1340.54	72.35	30.07	13.05	7.17	29.35	12.56	10.35
6/21/00 4:15	5.25	1340.39	81.59	1340.48	72.35	30.07	13.05	7.11	29.35	12.56	10.35
6/21/00 4:16	5.27	1340.39	81.59	1340.36	72.35	30.08	13.05	7.12	29.35	12.56	10.35
6/21/00 4:17	5.28	1340.39	81.59	1340.41	72.38	30.08	13.05	7.14	29.35	12.56	10.35
6/21/00 4:18	5.30	1340.39	81.59	1340.46	72.40	30.08	13.05	7.09	29.33	12.56	10.35
6/21/00 4:19	5.32	1340.38	81.59	1340.49	72.42	30.08	13.05	7.13	29.33	12.56	10.35
6/21/00 4:21	5.35	1340.39	81.59	1340.45	72.44	30.10	13.06	7.15	29.33	12.56	10.35
6/21/00 4:22	5.37	1340.38	81.59	1340.39	72.46	30.10	13.05	7.11	29.33	12.56	10.35
6/21/00 4:23	5.38	1340.38	81.59	1340.51	72.49	30.10	13.05	7.12	29.32	12.56	10.35
6/21/00 4:24	5.40	1340.39	81.59	1340.49	72.49	30.10	13.05	7.13	29.32	12.56	10.35
6/21/00 4:25	5.42	1340.38	81.59	1340.50	72.49	30.11	13.06	7.14	29.32	12.56	10.35
6/21/00 4:27	5.45	1340.38	81.59	1340.38	72.49	30.11	13.05	7.13	29.32	12.56	10.36
6/21/00 4:28	5.47	1340.38	81.59	1340.47	72.49	30.11	13.05	7.14	29.32	12.56	10.35
6/21/00 4:29	5.48	1340.38	81.59	1340.38	72.49	30.12	13.05	7.09	29.31	12.56	10.36
6/21/00 4:30	5.50	1340.38	81.59	1340.38	72.49	30.12	13.05	7.09	29.32	12.55	10.35
6/21/00 4:31	5.52	1340.38	81.58	1340.44	72.48	30.12	13.04	7.10	29.32	12.54	10.35
6/21/00 4:33	5.55	1340.38	81.58	1340.41	72.48	30.12	13.05	7.11	29.31	12.54	10.35
6/21/00 4:34	5.57	1340.38	81.58	1340.47	72.48	30.12	13.05	7.11	29.32	12.54	10.35
6/21/00 4:35	5.58	1340.38	81.59	1340.51	72.45	30.12	13.05	7.08	29.32	12.54	10.35
6/21/00 4:36	5.60	1340.38	81.59	1340.49	72.42	30.12	13.05	7.06	29.31	12.54	10.35
6/21/00 4:37	5.62	1340.38	81.59	1340.48	72.40	30.12	13.05	7.04	29.32	12.54	10.36
6/21/00 4:39	5.65	1340.38	81.59	1340.54	72.37	30.14	13.05	7.05	29.32	12.54	10.36
6/21/00 4:40	5.67	1340.38	81.59	1340.48	72.35	30.14	13.04	7.05	29.31	12.54	10.36
6/21/00 4:41	5.68	1340.38	81.59	1340.40	72.33	30.14	13.04	7.06	29.32	12.54	10.36
6/21/00 4:42	5.70	1340.38	81.59	1340.38	72.34	30.14	13.05	7.08	29.32	12.54	10.36
6/21/00 4:43	5.72	1340.38	81.58	1340.48	72.35	30.14	13.04	7.08	29.32	12.54	10.36
6/21/00 4:45	5.75	1340.38	81.58	1340.39	72.36	30.14	13.04	7.07	29.32	12.54	10.36
6/21/00 4:46	5.77	1340.38	81.58	1340.43	72.37	30.14	13.05	7.07	29.32	12.54	10.36
6/21/00 4:47	5.78	1340.38	81.58	1340.57	72.36	30.15	13.04	7.08	29.32	12.54	10.36
6/21/00 4:48	5.80	1340.39	81.58	1340.52	72.33	30.15	13.05	7.10	29.32	12.54	10.36
6/21/00 4:49	5.82	1340.38	81.58	1340.49	72.31	30.15	13.04	7.08	29.32	12.54	10.36
6/21/00 4:51	5.85	1340.38	81.58	1340.35	72.29	30.15	13.04	7.06	29.32	12.55	10.36
6/21/00 4:52	5.87	1340.38	81.58	1340.31	72.26	30.15	13.03	7.03	29.33	12.53	10.35
6/21/00 4:53	5.88	1340.38	81.58	1340.43	72.29	30.15	13.02	7.02	29.33	12.53	10.36
6/21/00 4:54	5.90	1340.38	81.58	1340.48	72.34	30.15	13.02	7.02	29.32	12.53	10.36
6/21/00 4:55	5.92	1340.38	81.57	1340.56	72.39	30.15	13.02	7.02	29.32	12.54	10.36
6/21/00 4:57	5.95	1340.38	81.57	1340.52	72.44	30.15	13.04	7.02	29.32	12.53	10.36
6/21/00 4:58	5.97	1340.38	81.57	1340.37	72.49	30.15	13.04	7.03	29.32	12.53	10.36
6/21/00 4:59	5.98	1340.38	81.58	1340.50	72.53	30.17	13.05	7.05	29.32	12.54	10.37
6/21/00 5:00	6.00	1340.38	81.58	1340.50	72.52	30.17	13.05	7.06	29.33	12.54	10.37
6/21/00 5:01	6.02	1340.38	81.58	1340.48	72.51	30.17	13.05	7.06	29.33	12.54	10.37
6/21/00 5:03	6.05	1340.38	81.58	1340.49	72.50	30.17	13.05	7.05	29.33	12.54	10.37
6/21/00 5:04	6.07	1340.38	81.58	1340.46	72.49	30.17	13.04	7.04	29.33	12.54	10.37
6/21/00 5:05	6.08	1340.38	81.57	1340.48	72.47	30.17	13.04	7.04	29.35	12.52	10.36
6/21/00 5:06	6.10	1340.38	81.57	1340.45	72.46	30.18	13.04	7.04	29.33	12.53	10.37
6/21/00 5:07	6.12	1340.38	81.57	1340.49	72.45	30.17	13.05	7.06	29.35	12.54	10.37
6/21/00 5:09	6.15	1340.38	81.57	1340.49	72.44	30.17	13.04	7.03	29.35	12.53	10.37
6/21/00 5:10	6.17	1340.38	81.57	1340.53	72.43	30.17	13.01	7.02	29.35	12.52	10.36
6/21/00 5:11	6.18	1340.38	81.57	1340.53	72.42	30.18	13.01	7.02	29.35	12.54	10.37
6/21/00 5:12	6.20	1340.38	81.57	1340.50	72.42	30.18	13.05	7.03	29.33	12.55	10.37
6/21/00 5:13	6.22	1340.38	81.57	1340.47	72.42	30.18	13.04	7.06	29.35	12.56	10.37
6/21/00 5:15	6.25	1340.39	81.57	1340.45	72.42	30.18	13.04	7.06	29.35	12.56	10.37
6/21/00 5:16	6.27	1340.39	81.57	1340.43	72.42	30.18	13.05	7.07	29.35	12.55	10.37
6/21/00 5:17	6.28	1340.39	81.57	1340.40	72.43	30.18	13.03	7.03	29.35	12.56	10.38
6/21/00 5:18	6.30	1340.39	81.57	1340.42	72.43	30.18	13.04	7.04	29.35	12.55	10.37

6/21/00 5:19	6.32	1340.39	81.57	1340.59	72.43	30.18	13.04	7.06	29.35	12.54	10.37
6/21/00 5:21	6.35	1340.39	81.57	1340.57	72.43	30.18	13.05	7.09	29.36	12.53	10.37
6/21/00 5:22	6.37	1340.39	81.57	1340.51	72.44	30.18	13.05	7.12	29.37	12.53	10.37
6/21/00 5:23	6.38	1340.39	81.57	1340.44	72.43	30.18	13.05	7.09	29.39	12.52	10.37
6/21/00 5:24	6.40	1340.38	81.57	1340.37	72.41	30.18	13.03	7.05	29.42	12.52	10.37
6/21/00 5:25	6.42	1340.38	81.57	1340.33	72.39	30.18	12.99	7.03	29.37	12.52	10.37
6/21/00 5:27	6.45	1340.39	81.57	1340.34	72.38	30.19	12.98	7.05	29.36	12.53	10.38
6/21/00 5:28	6.47	1340.39	81.57	1340.39	72.36	30.19	12.96	7.03	29.37	12.52	10.37
6/21/00 5:29	6.48	1340.38	81.57	1340.47	72.35	30.19	12.95	7.03	29.35	12.52	10.37
6/21/00 5:30	6.50	1340.39	81.57	1340.47	72.36	30.19	12.96	7.04	29.36	12.53	10.38
6/21/00 5:31	6.52	1340.39	81.57	1340.40	72.37	30.19	12.96	7.03	29.35	12.53	10.38
6/21/00 5:33	6.55	1340.39	81.57	1340.53	72.37	30.19	12.99	7.05	29.35	12.53	10.38
6/21/00 5:34	6.57	1340.39	81.57	1340.51	72.38	30.19	13.00	7.06	29.35	12.54	10.38
6/21/00 5:35	6.58	1340.39	81.57	1340.39	72.39	30.19	12.97	7.03	29.35	12.52	10.38
6/21/00 5:36	6.60	1340.39	81.57	1340.33	72.39	30.19	12.96	7.04	29.40	12.53	10.38
6/21/00 5:37	6.62	1340.39	81.57	1340.41	72.39	30.19	12.95	7.03	29.44	12.52	10.38
6/21/00 5:39	6.65	1340.39	81.57	1340.46	72.39	30.21	12.91	7.02	29.47	12.51	10.37
6/21/00 5:40	6.67	1340.39	81.57	1340.46	72.40	30.21	12.93	7.02	29.43	12.52	10.38
6/21/00 5:41	6.68	1340.39	81.57	1340.44	72.40	30.21	12.96	7.04	29.42	12.52	10.38
6/21/00 5:42	6.70	1340.39	81.57	1340.34	72.39	30.21	13.01	7.09	29.40	12.53	10.39
6/21/00 5:43	6.72	1340.39	81.57	1340.41	72.39	30.21	13.05	7.10	29.40	12.52	10.38
6/21/00 5:45	6.75	1340.39	81.56	1340.49	72.39	30.21	13.07	7.12	29.39	12.52	10.39
6/21/00 5:46	6.77	1340.39	81.56	1340.53	72.39	30.21	13.09	7.11	29.37	12.52	10.39
6/21/00 5:47	6.78	1340.39	81.56	1340.49	72.40	30.21	13.05	7.12	29.36	12.52	10.39
6/21/00 5:48	6.80	1340.40	81.56	1340.44	72.42	30.21	13.06	7.09	29.37	12.53	10.40
6/21/00 5:49	6.82	1340.39	81.56	1340.42	72.43	30.21	13.08	7.16	29.40	12.54	10.39
6/21/00 5:51	6.85	1340.39	81.56	1340.41	72.45	30.21	13.08	7.06	29.46	12.52	10.39
6/21/00 5:52	6.87	1340.39	81.56	1340.41	72.46	30.21	13.03	7.03	29.47	12.51	10.38
6/21/00 5:53	6.88	1340.39	81.56	1340.40	72.47	30.21	13.01	7.03	29.47	12.52	10.39
6/21/00 5:54	6.90	1340.39	81.56	1340.33	72.46	30.21	12.98	7.03	29.48	12.52	10.39
6/21/00 5:55	6.92	1340.42	81.56	1340.48	72.45	30.21	12.95	7.02	29.51	12.52	10.39
6/21/00 5:57	6.95	1340.44	81.56	1340.48	72.44	30.21	12.91	7.02	29.47	12.52	10.39
6/21/00 5:58	6.97	1340.44	81.56	1340.47	72.43	30.21	12.96	7.03	29.46	12.52	10.39
6/21/00 5:59	6.98	1340.44	81.56	1340.49	72.43	30.21	13.01	7.04	29.42	12.52	10.39
6/21/00 6:00	7.00	1340.44	81.56	1340.49	72.44	30.21	13.04	7.05	29.43	12.54	10.40
6/21/00 6:01	7.02	1340.45	81.56	1340.48	72.45	30.22	13.03	7.05	29.47	12.52	10.39
6/21/00 6:03	7.05	1340.45	81.56	1340.50	72.46	30.22	13.03	7.03	29.51	12.52	10.39
6/21/00 6:04	7.07	1340.45	81.56	1340.46	72.47	30.21	13.01	7.02	29.53	12.51	10.39
6/21/00 6:05	7.08	1340.45	81.56	1340.51	72.47	30.22	12.96	7.02	29.53	12.52	10.39
6/21/00 6:06	7.10	1340.45	81.56	1340.52	72.46	30.22	13.01	7.02	29.50	12.51	10.39
6/21/00 6:07	7.12	1340.45	81.56	1340.46	72.45	30.21	13.05	7.02	29.47	12.52	10.40
6/21/00 6:09	7.15	1340.45	81.56	1340.54	72.44	30.22	13.05	7.03	29.44	12.52	10.40
6/21/00 6:10	7.17	1340.45	81.56	1340.49	72.44	30.22	13.06	7.04	29.44	12.53	10.40
6/21/00 6:11	7.18	1340.45	81.55	1340.46	72.41	30.22	13.07	7.06	29.44	12.52	10.40
6/21/00 6:12	7.20	1340.45	81.55	1340.46	72.38	30.22	13.06	7.06	29.42	12.53	10.40
6/21/00 6:13	7.22	1340.45	81.55	1340.43	72.36	30.21	13.05	7.06	29.40	12.54	10.40
6/21/00 6:15	7.25	1340.45	81.55	1340.45	72.34	30.21	13.04	7.07	29.40	12.53	10.40
6/21/00 6:16	7.27	1340.45	81.55	1340.45	72.32	30.22	13.07	7.07	29.40	12.52	10.40
6/21/00 6:17	7.28	1340.48	81.55	1340.47	72.29	30.22	13.04	7.06	29.46	12.53	10.40
6/21/00 6:18	7.30	1340.50	81.55	1340.48	72.28	30.21	12.89	7.04	29.51	12.52	10.40
6/21/00 6:19	7.32	1340.51	81.55	1340.53	72.27	30.22	12.82	7.03	29.54	12.52	10.40
6/21/00 6:21	7.35	1340.52	81.55	1340.51	72.26	30.22	12.81	7.03	29.57	12.52	10.40
6/21/00 6:22	7.37	1340.52	81.55	1340.42	72.25	30.22	12.81	7.03	29.50	12.51	10.40
6/21/00 6:23	7.38	1340.52	81.55	1340.45	72.27	30.22	12.83	7.03	29.47	12.53	10.40
6/21/00 6:24	7.40	1340.52	81.55	1340.46	72.29	30.22	12.82	7.03	29.53	12.52	10.40
6/21/00 6:25	7.42	1340.52	81.55	1340.50	72.31	30.22	12.80	7.02	29.51	12.52	10.40
6/21/00 6:27	7.45	1340.53	81.55	1340.62	72.33	30.22	12.82	7.03	29.46	12.52	10.40
6/21/00 6:28	7.47	1340.53	81.55	1340.59	72.35	30.22	12.89	7.04	29.44	12.53	10.40
6/21/00 6:29	7.48	1340.53	81.55	1340.56	72.38	30.22	12.96	7.05	29.43	12.53	10.40
6/21/00 6:30	7.50	1340.53	81.55	1340.54	72.39	30.22	13.05	7.06	29.44	12.54	10.41
6/21/00 6:31	7.52	1340.54	81.55	1340.48	72.40	30.22	13.05	7.06	29.42	12.54	10.40
6/21/00 6:33	7.55	1340.54	81.55	1340.49	72.41	30.22	13.04	7.06	29.42	12.54	10.41
6/21/00 6:34	7.57	1340.54	81.55	1340.50	72.42	30.22	13.03	7.06	29.39	12.54	10.40
6/21/00 6:35	7.58	1340.54	81.54	1340.50	72.42	30.22	13.04	7.06	29.39	12.54	10.40
6/21/00 6:36	7.60	1340.54	81.54	1340.47	72.41	30.22	13.07	7.05	29.39	12.54	10.40
6/21/00 6:37	7.62	1340.54	81.54	1340.46	72.41	30.22	13.09	7.06	29.39	12.54	10.41
6/21/00 6:39	7.65	1340.54	81.54	1340.52	72.40	30.22	13.02	7.06	29.46	12.53	10.40
6/21/00 6:40	7.67	1340.54	81.54	1340.50	72.39	30.22	13.00	7.06	29.43	12.52	10.40
6/21/00 6:41	7.68	1340.54	81.54	1340.52	72.39	30.22	13.03	7.06	29.44	12.53	10.41
6/21/00 6:42	7.70	1340.55	81.54	1340.58	72.39	30.22	12.96	7.06	29.43	12.52	10.40
6/21/00 6:43	7.72	1340.54	81.54	1340.50	72.40	30.22	12.89	7.05	29.42	12.52	10.41
6/21/00 6:45	7.75	1340.55	81.54	1340.45	72.40	30.22	12.91	7.05	29.40	12.53	10.41
6/21/00 6:46	7.77	1340.55	81.54	1340.44	72.40	30.22	12.96	7.06	29.47	12.53	10.40
6/21/00 6:47	7.78	1340.55	81.54	1340.47	72.39	30.22	12.89	7.06	29.51	12.52	10.40
6/21/00 6:48	7.80	1340.55	81.54	1340.60	72.38	30.22	12.82	7.05	29.51	12.51	10.40
6/21/00 6:49	7.82	1340.55	81.54	1340.57	72.37	30.22	12.83	7.04	29.46	12.52	10.41
6/21/00 6:51	7.85	1340.55	81.54	1340.46	72.35	30.22	12.89	7.05	29.44	12.53	10.41
6/21/00 6:52	7.87	1340.55	81.54	1340.58	72.34	30.22	12.92	7.05	29.43	12.53	10.41
6/21/00 6:53	7.88	1340.55	81.54	1340.44	72.32	30.22	12.92	7.06	29.40	12.54	10.41
6/21/00 6:54	7.90	1340.55	81.54	1340.45	72.32	30.22	12.96	7.06	29.39	12.56	10.41
6/21/00 6:55	7.92	1340.56	81.54	1340.46	72.32	30.22	12.96	7.06	29.40	12.55	10.41

6/21/00 6:57	7.95	1340.56	81.54	1340.56	72.31	30.22	12.98	7.06	29.42	12.54	10.41
6/21/00 6:58	7.97	1340.56	81.54	1340.61	72.31	30.22	13.01	7.08	29.39	12.55	10.41
6/21/00 6:59	7.98	1340.56	81.54	1340.58	72.31	30.23	13.03	7.07	29.42	12.54	10.41
6/21/00 7:00	8.00	1340.56	81.54	1340.62	72.32	30.23	13.04	7.08	29.40	12.54	10.41
6/21/00 7:01	8.02	1340.56	81.54	1340.56	72.32	30.23	13.05	7.08	29.40	12.53	10.41
6/21/00 7:03	8.05	1340.57	81.54	1340.53	72.33	30.23	13.00	7.08	29.46	12.52	10.41
6/21/00 7:04	8.07	1340.57	81.54	1340.46	72.33	30.23	12.84	7.05	29.46	12.52	10.40
6/21/00 7:05	8.08	1340.57	81.54	1340.56	72.33	30.23	12.81	7.04	29.42	12.53	10.41
6/21/00 7:06	8.10	1340.57	81.53	1340.51	72.31	30.22	12.84	7.05	29.42	12.53	10.41
6/21/00 7:07	8.12	1340.57	81.53	1340.55	72.30	30.22	12.86	7.06	29.40	12.54	10.41
6/21/00 7:09	8.15	1340.58	81.53	1340.56	72.29	30.22	12.85	7.06	29.40	12.53	10.41
6/21/00 7:10	8.17	1340.58	81.53	1340.55	72.28	30.22	12.91	7.06	29.42	12.53	10.41
6/21/00 7:11	8.18	1340.58	81.53	1340.61	72.29	30.23	12.93	7.07	29.42	12.53	10.41
6/21/00 7:12	8.20	1340.58	81.53	1340.55	72.33	30.23	12.96	7.07	29.40	12.53	10.42
6/21/00 7:13	8.22	1340.58	81.53	1340.50	72.36	30.23	12.98	7.06	29.42	12.53	10.42
6/21/00 7:15	8.25	1340.59	81.52	1340.47	72.39	30.23	12.91	7.06	29.42	12.53	10.41
6/21/00 7:16	8.27	1340.61	81.52	1340.51	72.42	30.23	12.84	7.06	29.43	12.54	10.42
6/21/00 7:17	8.28	1340.62	81.52	1340.56	72.44	30.22	12.84	7.06	29.43	12.53	10.41
6/21/00 7:18	8.30	1340.62	81.52	1340.44	72.43	30.23	12.83	7.06	29.40	12.53	10.41
6/21/00 7:19	8.32	1340.63	81.52	1340.49	72.42	30.10	12.84	7.06	29.43	12.53	10.42
6/21/00 7:21	8.35	1340.64	81.52	1340.60	72.40	30.21	12.84	7.06	29.44	12.53	10.42
6/21/00 7:22	8.37	1340.64	81.52	1340.63	72.39	30.22	12.84	7.07	29.44	12.53	10.42
6/21/00 7:23	8.38	1340.64	81.52	1340.48	72.35	30.23	12.85	7.07	29.42	12.54	10.42
6/21/00 7:24	8.40	1340.65	81.52	1340.53	72.31	30.23	12.84	7.07	29.42	12.53	10.41
6/21/00 7:25	8.42	1340.65	81.52	1340.54	72.28	30.23	12.87	7.08	29.42	12.54	10.42
6/21/00 7:27	8.45	1340.66	81.52	1340.46	72.25	30.22	12.89	7.06	29.40	12.54	10.42
6/21/00 7:28	8.47	1340.65	81.52	1340.47	72.22	30.23	12.89	7.06	29.40	12.53	10.42
6/21/00 7:29	8.48	1340.65	81.52	1340.58	72.24	30.23	12.90	7.07	29.40	12.54	10.42
6/21/00 7:30	8.50	1340.66	81.52	1340.61	72.29	30.23	12.88	7.06	29.36	12.53	10.42
6/21/00 7:31	8.52	1340.66	81.52	1340.62	72.34	30.04	12.90	7.07	29.42	12.53	10.42
6/21/00 7:33	8.55	1340.67	81.52	1340.58	72.38	30.19	12.90	7.07	29.42	12.53	10.42
6/21/00 7:34	8.57	1340.68	81.53	1340.62	72.43	30.21	12.89	7.07	29.42	12.54	10.42
6/21/00 7:35	8.58	1340.68	81.53	1340.60	72.46	30.22	12.88	7.06	29.40	12.54	10.42
6/21/00 7:36	8.60	1340.68	81.53	1340.60	72.45	30.22	12.90	7.07	29.42	12.53	10.42
6/21/00 7:37	8.62	1340.68	81.53	1340.66	72.43	30.22	12.88	7.07	29.40	12.54	10.42
6/21/00 7:39	8.65	1340.68	81.53	1340.62	72.42	30.22	12.89	7.07	29.40	12.54	10.42
6/21/00 7:40	8.67	1340.69	81.53	1340.63	72.40	30.22	12.88	7.06	29.39	12.53	10.42
6/21/00 7:41	8.68	1340.69	81.53	1340.54	72.37	30.22	12.90	7.07	29.40	12.53	10.42
6/21/00 7:42	8.70	1340.69	81.53	1340.57	72.36	30.22	12.92	7.06	29.44	12.53	10.42
6/21/00 7:43	8.72	1340.70	81.53	1340.51	72.34	30.23	12.92	7.07	29.44	12.53	10.42
6/21/00 7:45	8.75	1340.71	81.53	1340.56	72.33	30.22	12.94	7.07	29.44	12.53	10.42
6/21/00 7:46	8.77	1340.70	81.53	1340.59	72.31	30.22	12.97	7.08	29.44	12.54	10.42
6/21/00 7:47	8.78	1340.71	81.53	1340.57	72.30	30.22	12.99	7.08	29.43	12.54	10.42
6/21/00 7:48	8.80	1340.71	81.53	1340.57	72.31	30.22	12.95	7.08	29.42	12.54	10.42
6/21/00 7:49	8.82	1340.71	81.52	1340.50	72.31	30.22	12.91	7.07	29.42	12.53	10.42
6/21/00 7:51	8.85	1340.72	81.52	1340.49	72.32	30.22	12.89	7.08	29.43	12.54	10.42
6/21/00 7:52	8.87	1340.72	81.52	1340.55	72.32	30.22	12.88	7.08	29.42	12.54	10.42
6/21/00 7:53	8.88	1340.72	81.52	1340.67	72.32	30.22	12.91	7.07	29.42	12.54	10.42
6/21/00 7:54	8.90	1340.72	81.52	1340.63	72.31	30.23	12.89	7.07	29.43	12.54	10.42
6/21/00 7:55	8.92	1340.73	81.52	1340.61	72.30	30.22	12.91	7.07	29.40	12.54	10.42
6/21/00 7:57	8.95	1340.73	81.52	1340.55	72.30	30.22	12.96	7.08	29.42	12.55	10.42
6/21/00 7:58	8.97	1340.73	81.52	1340.59	72.29	30.21	12.98	7.10	29.42	12.54	10.42
6/21/00 7:59	8.98	1340.73	81.52	1340.55	72.31	30.21	12.91	7.09	29.42	12.54	10.42
6/21/00 8:00	9.00	1340.73	81.52	1340.44	72.33	30.19	12.88	7.08	29.42	12.54	10.42
6/21/00 8:01	9.02	1340.74	81.52	1340.54	72.35	30.19	12.90	7.08	29.44	12.54	10.42
6/21/00 8:03	9.05	1340.74	81.52	1340.58	72.37	30.19	12.92	7.07	29.46	12.53	10.42
6/21/00 8:04	9.07	1340.74	81.52	1340.54	72.39	30.19	12.93	7.07	29.44	12.54	10.42
6/21/00 8:05	9.08	1340.74	81.52	1340.65	72.40	30.19	12.88	7.07	29.46	12.54	10.42
6/21/00 8:06	9.10	1340.75	81.52	1340.58	72.39	30.21	12.86	7.07	29.48	12.53	10.42
6/21/00 8:07	9.12	1340.75	81.52	1340.66	72.39	30.21	12.87	7.07	29.47	12.54	10.42
6/21/00 8:09	9.15	1340.75	81.52	1340.59	72.38	30.21	12.92	7.10	29.46	12.54	10.42
6/21/00 8:10	9.17	1340.75	81.52	1340.59	72.37	30.21	12.90	7.09	29.44	12.53	10.42
6/21/00 8:11	9.18	1340.75	81.52	1340.61	72.37	30.21	12.93	7.08	29.44	12.54	10.42
6/21/00 8:12	9.20	1340.76	81.51	1340.59	72.37	30.21	12.91	7.09	29.44	12.54	10.42
6/21/00 8:13	9.22	1340.76	81.51	1340.61	72.37	30.21	12.86	7.08	29.46	12.54	10.42
6/21/00 8:15	9.25	1340.76	81.51	1340.63	72.37	30.21	12.86	7.09	29.46	12.54	10.42
6/21/00 8:16	9.27	1340.77	81.51	1340.60	72.38	30.21	12.89	7.09	29.47	12.54	10.42
6/21/00 8:17	9.28	1340.77	81.51	1340.62	72.38	30.21	12.91	7.09	29.46	12.54	10.42
6/21/00 8:18	9.30	1340.77	81.52	1340.57	72.37	30.21	12.95	7.09	29.46	12.54	10.42
6/21/00 8:19	9.32	1340.77	81.52	1340.51	72.37	30.15	12.96	7.09	29.46	12.54	10.42
6/21/00 8:21	9.35	1340.77	81.52	1340.49	72.37	30.17	12.98	7.10	29.47	12.54	10.42
6/21/00 8:22	9.37	1340.77	81.51	1340.58	72.37	30.15	12.99	7.11	29.44	12.54	10.42
6/21/00 8:23	9.38	1340.77	81.51	1340.57	72.35	30.15	13.01	7.11	29.46	12.54	10.42
6/21/00 8:24	9.40	1340.78	81.51	1340.61	72.34	30.15	12.98	7.08	29.46	12.54	10.42
6/21/00 8:25	9.42	1340.77	81.51	1340.60	72.33	30.14	12.96	7.09	29.46	12.54	10.42
6/21/00 8:27	9.45	1340.78	81.51	1340.61	72.32	30.14	12.96	7.08	29.47	12.54	10.42
6/21/00 8:28	9.47	1340.78	81.51	1340.56	72.31	30.17	12.99	7.09	29.48	12.54	10.42
6/21/00 8:29	9.48	1340.78	81.51	1340.55	72.32	30.17	13.03	7.09	29.47	12.54	10.42
6/21/00 8:30	9.50	1340.79	81.51	1340.62	72.34	30.17	13.06	7.10	29.46	12.54	10.42
6/21/00 8:31	9.52	1340.78	81.51	1340.63	72.36	30.15	13.08	7.11	29.43	12.54	10.42
6/21/00 8:33	9.55	1340.79	81.51	1340.61	72.38	30.14	13.01	7.11	29.44	12.55	10.42

6/21/00 8:34	9.57	1340.79	81.51	1340.66	72.40	30.14	13.03	7.12	29.44	12.54	10.42
6/21/00 8:35	9.58	1340.79	81.51	1340.58	72.43	30.12	12.98	7.09	29.44	12.54	10.42
6/21/00 8:36	9.60	1340.79	81.51	1340.66	72.45	30.12	12.98	7.09	29.44	12.54	10.42
6/21/00 8:37	9.62	1340.79	81.51	1340.70	72.46	30.12	12.98	7.09	29.44	12.54	10.42
6/21/00 8:39	9.65	1340.80	81.51	1340.69	72.48	30.12	13.01	7.10	29.46	12.54	10.42
6/21/00 8:40	9.67	1340.80	81.51	1340.59	72.49	30.12	13.03	7.11	29.46	12.54	10.42
6/21/00 8:41	9.68	1340.79	81.51	1340.56	72.48	30.11	12.99	7.09	29.47	12.54	10.42
6/21/00 8:42	9.70	1340.80	81.50	1340.56	72.45	30.11	13.01	7.12	29.46	12.54	10.41
6/21/00 8:43	9.72	1340.80	81.50	1340.46	72.42	30.11	12.91	7.09	29.46	12.54	10.42
6/21/00 8:45	9.75	1340.80	81.50	1340.55	72.39	30.11	12.93	7.10	29.44	12.54	10.42
6/21/00 8:46	9.77	1340.80	81.50	1340.56	72.36	30.11	12.94	7.09	29.46	12.54	10.41
6/21/00 8:47	9.78	1340.81	81.50	1340.61	72.32	30.10	12.94	7.10	29.44	12.55	10.42
6/21/00 8:48	9.80	1340.81	81.50	1340.61	72.32	30.10	12.93	7.09	29.46	12.55	10.42
6/21/00 8:49	9.82	1340.81	81.50	1340.66	72.31	30.11	12.93	7.08	29.46	12.55	10.42
6/21/00 8:51	9.85	1340.81	81.50	1340.69	72.30	30.10	12.95	7.08	29.46	12.54	10.41
6/21/00 8:52	9.87	1340.81	81.50	1340.63	72.29	30.10	12.98	7.08	29.44	12.54	10.41
6/21/00 8:53	9.88	1340.81	81.50	1340.69	72.29	30.10	12.98	7.08	29.46	12.54	10.41
6/21/00 8:54	9.90	1340.81	81.49	1340.64	72.30	30.10	12.96	7.08	29.46	12.54	10.41
6/21/00 8:55	9.92	1340.82	81.49	1340.60	72.31	30.10	12.98	7.08	29.44	12.54	10.41
6/21/00 8:57	9.95	1340.82	81.49	1340.59	72.32	30.10	12.94	7.08	29.46	12.54	10.41
6/21/00 8:58	9.97	1340.82	81.49	1340.63	72.33	30.08	12.89	7.08	29.46	12.54	10.41
6/21/00 8:59	9.98	1340.82	81.49	1340.66	72.31	30.08	12.86	7.08	29.46	12.54	10.41
6/21/00 9:00	10.00	1340.82	81.49	1340.67	72.27	30.08	12.84	7.07	29.47	12.54	10.41
6/21/00 9:01	10.02	1340.82	81.49	1340.65	72.24	30.07	12.83	7.06	29.46	12.54	10.41
6/21/00 9:03	10.05	1340.82	81.49	1340.64	72.21	30.07	12.83	7.06	29.44	12.55	10.41
6/21/00 9:04	10.07	1340.82	81.49	1340.61	72.18	30.07	12.86	7.08	29.43	12.54	10.41
6/21/00 9:05	10.08	1340.82	81.49	1340.58	72.19	30.07	12.91	7.08	29.43	12.54	10.41
6/21/00 9:06	10.10	1340.82	81.49	1340.60	72.23	30.07	12.91	7.08	29.44	12.54	10.41
6/21/00 9:07	10.12	1340.82	81.49	1340.61	72.28	30.07	12.91	7.06	29.46	12.54	10.40
6/21/00 9:09	10.15	1340.83	81.49	1340.70	72.32	30.07	12.94	7.07	29.44	12.54	10.41
6/21/00 9:10	10.17	1340.83	81.49	1340.74	72.36	30.07	12.84	7.06	29.50	12.54	10.41
6/21/00 9:11	10.18	1340.83	81.49	1340.66	72.38	30.06	12.83	7.05	29.47	12.54	10.41
6/21/00 9:12	10.20	1340.83	81.49	1340.71	72.36	30.06	12.83	7.06	29.44	12.54	10.41
6/21/00 9:13	10.22	1340.83	81.49	1340.69	72.34	30.06	12.85	7.06	29.44	12.54	10.41
6/21/00 9:15	10.25	1340.84	81.49	1340.60	72.32	30.06	12.84	7.05	29.43	12.54	10.41
6/21/00 9:16	10.27	1340.84	81.49	1340.56	72.30	30.06	12.84	7.06	29.44	12.54	10.41
6/21/00 9:17	10.28	1340.84	81.49	1340.62	72.29	30.06	12.84	7.06	29.44	12.54	10.41
6/21/00 9:18	10.30	1340.84	81.49	1340.63	72.31	30.06	12.84	7.06	29.42	12.54	10.41
6/21/00 9:19	10.32	1340.83	81.49	1340.64	72.33	30.06	12.86	7.07	29.40	12.55	10.41
6/21/00 9:21	10.35	1340.84	81.49	1340.62	72.35	30.06	12.92	7.07	29.39	12.55	10.41
6/21/00 9:22	10.37	1340.84	81.48	1340.70	72.37	30.04	12.93	7.07	29.40	12.55	10.41
6/21/00 9:23	10.38	1340.84	81.48	1340.66	72.38	30.04	12.90	7.05	29.40	12.54	10.40
6/21/00 9:24	10.40	1340.84	81.48	1340.63	72.37	30.04	12.97	7.06	29.42	12.54	10.40
6/21/00 9:25	10.42	1340.84	81.48	1340.66	72.36	30.06	13.00	7.08	29.44	12.55	10.41
6/21/00 9:27	10.45	1340.84	81.48	1340.69	72.35	30.04	13.00	7.09	29.44	12.54	10.40
6/21/00 9:28	10.47	1340.84	81.48	1340.69	72.34	30.04	13.01	7.09	29.42	12.54	10.40
6/21/00 9:29	10.48	1340.84	81.48	1340.70	72.36	30.04	12.96	7.09	29.44	12.54	10.40
6/21/00 9:30	10.50	1340.84	81.48	1340.72	72.39	30.04	12.84	7.05	29.46	12.53	10.40
6/21/00 9:31	10.52	1340.85	81.48	1340.69	72.41	30.04	12.83	7.04	29.44	12.54	10.40
6/21/00 9:33	10.55	1340.85	81.48	1340.65	72.43	30.04	12.83	7.04	29.43	12.54	10.40
6/21/00 9:34	10.57	1340.85	81.48	1340.68	72.46	30.03	12.83	7.05	29.42	12.54	10.40
6/21/00 9:35	10.58	1340.85	81.48	1340.70	72.46	30.04	12.84	7.06	29.43	12.55	10.41
6/21/00 9:36	10.60	1340.85	81.48	1340.54	72.44	30.03	12.83	7.04	29.46	12.54	10.39
6/21/00 9:37	10.62	1340.85	81.48	1340.65	72.42	30.03	12.83	7.04	29.43	12.54	10.40
6/21/00 9:39	10.65	1340.85	81.48	1340.71	72.40	30.03	12.85	7.06	29.43	12.54	10.40
6/21/00 9:40	10.67	1340.85	81.47	1340.73	72.38	30.03	12.87	7.06	29.40	12.55	10.40
6/21/00 9:41	10.68	1340.85	81.47	1340.60	72.35	30.03	12.86	7.05	29.39	12.56	10.40
6/21/00 9:42	10.70	1340.85	81.47	1340.64	72.34	30.03	12.86	7.05	29.40	12.54	10.40
6/21/00 9:43	10.72	1340.85	81.47	1340.68	72.33	30.03	12.87	7.06	29.40	12.54	10.40
6/21/00 9:45	10.75	1340.86	81.47	1340.70	72.32	30.03	12.88	7.06	29.40	12.54	10.40
6/21/00 9:46	10.77	1340.85	81.47	1340.71	72.32	30.03	12.89	7.06	29.40	12.54	10.40
6/21/00 9:47	10.78	1340.85	81.47	1340.68	72.31	30.06	12.89	7.05	29.43	12.54	10.40
6/21/00 9:48	10.80	1340.86	81.47	1340.56	72.32	30.07	12.92	7.05	29.42	12.54	10.40
6/21/00 9:49	10.82	1340.86	81.47	1340.73	72.33	30.04	12.94	7.05	29.40	12.54	10.40
6/21/00 9:51	10.85	1340.86	81.47	1340.66	72.34	30.03	12.92	7.05	29.40	12.54	10.40
6/21/00 9:52	10.87	1340.86	81.47	1340.64	72.35	30.03	12.89	7.05	29.42	12.54	10.40
6/21/00 9:53	10.88	1340.86	81.47	1340.61	72.33	30.03	12.90	7.05	29.42	12.54	10.40
6/21/00 9:54	10.90	1340.86	81.47	1340.62	72.31	30.03	12.87	7.05	29.42	12.54	10.40
6/21/00 9:55	10.92	1340.86	81.47	1340.61	72.29	30.03	12.86	7.05	29.44	12.54	10.40
6/21/00 9:57	10.95	1340.86	81.46	1340.52	72.27	30.03	12.85	7.05	29.43	12.55	10.40
6/21/00 9:58	10.97	1340.86	81.46	1340.56	72.25	30.03	12.84	7.04	29.46	12.55	10.40
6/21/00 9:59	10.98	1340.87	81.46	1340.75	72.24	30.03	12.83	7.03	29.46	12.54	10.39
6/21/00 10:00	11.00	1340.87	81.46	1340.73	72.25	30.04	12.83	7.04	29.46	12.54	10.40
6/21/00 10:01	11.02	1340.86	81.46	1340.73	72.26	30.06	12.84	7.05	29.46	12.54	10.39
6/21/00 10:03	11.05	1340.87	81.46	1340.70	72.27	30.06	12.85	7.05	29.46	12.54	10.40
6/21/00 10:04	11.07	1340.87	81.46	1340.68	72.28	30.06	12.85	7.04	29.46	12.54	10.40
6/21/00 10:05	11.08	1340.87	81.46	1340.62	72.29	30.03	12.84	7.04	29.46	12.54	10.40
6/21/00 10:06	11.10	1340.87	81.46	1340.63	72.29	30.03	12.84	7.04	29.44	12.55	10.39
6/21/00 10:07	11.12	1340.87	81.46	1340.69	72.29	30.03	12.84	7.04	29.44	12.54	10.39
6/21/00 10:09	11.15	1340.87	81.46	1340.66	72.29	30.03	12.84	7.05	29.44	12.55	10.40
6/21/00 10:10	11.17	1340.87	81.46	1340.63	72.30	30.03	12.83	7.04	29.44	12.54	10.40

6/21/00 10:11	11.18	1340.87	81.46	1340.68	72.30	30.01	12.83	7.04	29.46	12.54	10.39
6/21/00 10:12	11.20	1340.87	81.46	1340.64	72.29	30.03	12.83	7.03	29.46	12.54	10.40
6/21/00 10:13	11.22	1340.87	81.46	1340.54	72.29	30.01	12.83	7.03	29.46	12.54	10.39
6/21/00 10:15	11.25	1340.87	81.46	1340.68	72.29	30.03	12.83	7.03	29.46	12.54	10.39
6/21/00 10:16	11.27	1340.87	81.46	1340.60	72.29	30.01	12.83	7.03	29.47	12.54	10.39
6/21/00 10:17	11.28	1340.88	81.46	1340.69	72.29	30.04	12.83	7.03	29.47	12.54	10.39
6/21/00 10:18	11.30	1340.87	81.46	1340.69	72.31	30.06	12.83	7.04	29.47	12.54	10.39
6/21/00 10:19	11.32	1340.87	81.46	1340.72	72.32	30.06	12.86	7.04	29.46	12.54	10.39
6/21/00 10:21	11.35	1340.88	81.46	1340.68	72.33	30.03	12.90	7.04	29.46	12.55	10.39
6/21/00 10:22	11.37	1340.88	81.45	1340.74	72.34	30.01	12.91	7.04	29.47	12.54	10.39
6/21/00 10:23	11.38	1340.88	81.45	1340.67	72.36	30.03	12.96	7.05	29.48	12.54	10.39
6/21/00 10:24	11.40	1340.88	81.45	1340.58	72.36	30.03	12.88	7.03	29.47	12.54	10.39
6/21/00 10:25	11.42	1340.88	81.45	1340.59	72.36	30.03	12.89	7.03	29.46	12.54	10.39
6/21/00 10:27	11.45	1340.88	81.45	1340.58	72.36	30.03	12.93	7.03	29.44	12.55	10.39
6/21/00 10:28	11.47	1340.88	81.45	1340.63	72.37	30.03	12.89	7.04	29.46	12.55	10.39
6/21/00 10:29	11.48	1340.88	81.45	1340.80	72.38	30.01	12.86	7.04	29.46	12.55	10.39
6/21/00 10:30	11.50	1340.88	81.45	1340.75	72.38	30.03	12.85	7.04	29.44	12.55	10.39
6/21/00 10:31	11.52	1340.88	81.45	1340.73	72.39	30.03	12.85	7.04	29.43	12.56	10.39
6/21/00 10:33	11.55	1340.88	81.45	1340.71	72.40	30.01	12.85	7.04	29.43	12.55	10.39
6/21/00 10:34	11.57	1340.88	81.45	1340.71	72.41	30.03	12.88	7.04	29.44	12.55	10.39
6/21/00 10:35	11.58	1340.88	81.45	1340.67	72.42	30.01	12.86	7.04	29.46	12.55	10.39
6/21/00 10:36	11.60	1340.88	81.45	1340.65	72.42	30.01	12.86	7.04	29.46	12.54	10.39
6/21/00 10:37	11.62	1340.88	81.45	1340.70	72.43	30.01	12.84	7.04	29.47	12.54	10.39
6/21/00 10:39	11.65	1340.89	81.45	1340.68	72.43	30.01	12.84	7.03	29.46	12.54	10.39
6/21/00 10:40	11.67	1340.88	81.45	1340.67	72.44	30.01	12.83	7.02	29.48	12.54	10.38
6/21/00 10:41	11.68	1340.88	81.45	1340.57	72.44	30.01	12.83	7.02	29.47	12.54	10.38
6/21/00 10:42	11.70	1340.88	81.45	1340.64	72.44	30.01	12.83	7.02	29.47	12.54	10.39
6/21/00 10:43	11.72	1340.88	81.44	1340.67	72.44	30.01	12.83	7.03	29.47	12.54	10.39
6/21/00 10:45	11.75	1340.89	81.44	1340.63	72.44	30.01	12.83	7.03	29.47	12.54	10.39
6/21/00 10:46	11.77	1340.88	81.44	1340.58	72.44	30.01	12.84	7.03	29.47	12.54	10.38
6/21/00 10:47	11.78	1340.88	81.44	1340.78	72.42	30.01	12.83	7.03	29.47	12.54	10.38
6/21/00 10:48	11.80	1340.89	81.44	1340.73	72.41	30.01	12.83	7.02	29.47	12.54	10.38
6/21/00 10:49	11.82	1340.89	81.44	1340.70	72.40	30.01	12.82	7.02	29.48	12.54	10.38
6/21/00 10:51	11.85	1340.89	81.44	1340.69	72.38	30.01	12.82	7.02	29.48	12.54	10.38
6/21/00 10:52	11.87	1340.89	81.44	1340.88	72.37	30.01	12.83	7.02	29.48	12.54	10.38
6/21/00 10:53	11.88	1340.89	81.44	1340.65	72.36	30.01	12.83	7.03	29.48	12.54	10.38
6/21/00 10:54	11.90	1340.89	81.44	1340.56	72.36	30.01	12.83	7.02	29.48	12.54	10.38
6/21/00 10:55	11.92	1340.89	81.44	1340.50	72.36	30.01	12.83	7.02	29.48	12.54	10.38
6/21/00 10:57	11.95	1340.89	81.44	1340.63	72.36	30.01	12.83	7.02	29.48	12.54	10.38
6/21/00 10:58	11.97	1340.89	81.44	1340.56	72.36	30.01	12.82	7.02	29.50	12.54	10.38
6/21/00 10:59	11.98	1340.89	81.44	1340.80	72.34	30.06	12.82	7.01	29.51	12.54	10.38
6/21/00 11:00	12.00	1340.89	81.44	1340.82	72.33	30.06	12.82	7.01	29.51	12.54	10.38
6/21/00 11:01	12.02	1340.89	81.44	1340.79	72.31	30.06	12.82	7.02	29.51	12.54	10.38
6/21/00 11:03	12.05	1340.89	81.43	1340.72	72.29	30.07	12.82	7.02	29.51	12.54	10.38
6/21/00 11:04	12.07	1340.89	81.43	1340.69	72.28	30.07	12.82	7.02	29.51	12.54	10.38
6/21/00 11:05	12.08	1340.87	81.43	1340.77	72.27	30.06	12.82	7.02	29.50	12.54	10.38
6/21/00 11:06	12.10	1340.87	81.43	1340.70	72.27	30.06	12.82	7.01	29.50	12.54	10.38
6/21/00 11:07	12.12	1340.89	81.43	1340.72	72.28	30.04	12.82	7.02	29.50	12.54	10.38
6/21/00 11:09	12.15	1340.89	81.43	1340.67	72.29	30.04	12.82	7.02	29.50	12.54	10.38
6/21/00 11:10	12.17	1340.89	81.43	1340.66	72.29	30.04	12.82	7.01	29.50	12.54	10.38
6/21/00 11:11	12.18	1340.89	81.43	1340.53	72.33	30.03	12.82	7.01	29.51	12.54	10.38
6/21/00 11:12	12.20	1340.89	81.43	1340.55	72.35	30.03	12.82	7.01	29.51	12.53	10.37
6/21/00 11:13	12.22	1340.89	81.43	1340.74	72.37	30.03	12.82	7.01	29.51	12.54	10.38
6/21/00 11:15	12.25	1340.90	81.43	1340.78	72.40	30.03	12.82	7.01	29.51	12.54	10.37
6/21/00 11:16	12.27	1340.89	81.43	1340.74	72.42	30.03	12.82	7.01	29.51	12.54	10.38
6/21/00 11:17	12.28	1340.89	81.43	1340.60	72.42	30.03	12.82	7.01	29.51	12.54	10.38
6/21/00 11:18	12.30	1340.89	81.43	1340.71	72.40	30.03	12.82	7.01	29.53	12.54	10.37
6/21/00 11:19	12.32	1340.89	81.43	1340.68	72.37	30.03	12.82	7.01	29.53	12.54	10.38
6/21/00 11:21	12.35	1340.90	81.43	1340.67	72.35	30.03	12.82	7.01	29.53	12.53	10.37
6/21/00 11:22	12.37	1340.90	81.43	1340.65	72.32	30.03	12.82	7.01	29.53	12.53	10.37
6/21/00 11:23	12.38	1340.90	81.43	1340.72	72.29	30.03	12.82	7.01	29.53	12.54	10.38
6/21/00 11:24	12.40	1340.89	81.43	1340.73	72.29	30.03	12.82	7.01	29.53	12.54	10.38
6/21/00 11:25	12.42	1340.90	81.43	1340.66	72.28	30.03	12.82	7.00	29.54	12.54	10.37
6/21/00 11:27	12.45	1340.90	81.43	1340.67	72.27	30.04	12.82	7.00	29.51	12.53	10.37
6/21/00 11:28	12.47	1340.90	81.43	1340.66	72.27	30.04	12.82	7.00	29.51	12.53	10.37
6/21/00 11:29	12.48	1340.90	81.43	1340.67	72.27	30.04	12.82	7.00	29.51	12.53	10.37
6/21/00 11:30	12.50	1340.90	81.43	1340.72	72.29	30.03	12.82	7.00	29.51	12.54	10.37
6/21/00 11:31	12.52	1340.90	81.43	1340.70	72.30	30.04	12.82	7.00	29.51	12.54	10.37
6/21/00 11:33	12.55	1340.90	81.43	1340.65	72.32	30.04	12.82	7.00	29.51	12.54	10.37
6/21/00 11:34	12.57	1340.90	81.43	1340.62	72.33	30.04	12.82	7.00	29.51	12.53	10.37
6/21/00 11:35	12.58	1340.90	81.43	1340.71	72.36	30.04	12.82	7.00	29.53	12.54	10.37
6/21/00 11:36	12.60	1340.90	81.43	1340.73	72.37	30.04	12.82	7.00	29.53	12.54	10.37
6/21/00 11:37	12.62	1340.90	81.43	1340.67	72.38	30.04	12.82	7.01	29.54	12.54	10.37
6/21/00 11:39	12.65	1340.90	81.43	1340.72	72.39	30.04	12.82	7.01	29.54	12.54	10.37
6/21/00 11:40	12.67	1340.90	81.42	1340.78	72.40	30.04	12.82	7.01	29.53	12.54	10.37
6/21/00 11:41	12.68	1340.90	81.42	1340.67	72.39	30.04	12.82	7.01	29.53	12.54	10.37
6/21/00 11:42	12.70	1340.90	81.42	1340.68	72.38	30.04	12.82	7.01	29.53	12.54	10.37
6/21/00 11:43	12.72	1340.90	81.42	1340.64	72.37	30.04	12.82	7.01	29.51	12.54	10.37
6/21/00 11:45	12.75	1340.90	81.42	1340.63	72.36	30.04	12.82	7.01	29.51	12.54	10.37
6/21/00 11:46	12.77	1340.90	81.42	1340.61	72.34	30.06	12.82	7.01	29.53	12.54	10.37
6/21/00 11:47	12.78	1340.90	81.42	1340.66	72.32	30.06	12.82	7.01	29.53	12.54	10.37

6/21/00 11:48	12.80	1340.90	81.42	1340.68	72.31	30.06	12.82	7.01	29.53	12.54	10.37
6/21/00 11:49	12.82	1340.90	81.42	1340.59	72.30	30.06	12.82	7.01	29.53	12.54	10.37
6/21/00 11:51	12.85	1340.90	81.42	1340.68	72.29	30.06	12.82	7.01	29.53	12.54	10.37
6/21/00 11:52	12.87	1340.90	81.42	1340.68	72.27	30.06	12.82	7.01	29.51	12.54	10.37
6/21/00 11:53	12.88	1340.90	81.41	1340.71	72.26	30.06	12.82	7.01	29.53	12.54	10.37
6/21/00 11:54	12.90	1340.90	81.41	1340.65	72.26	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 11:55	12.92	1340.90	81.41	1340.73	72.25	30.06	12.82	7.02	29.53	12.54	10.37
6/21/00 11:57	12.95	1340.90	81.41	1340.72	72.25	30.06	12.82	7.02	29.53	12.54	10.37
6/21/00 11:58	12.97	1340.90	81.41	1340.73	72.25	30.06	12.82	7.02	29.53	12.54	10.37
6/21/00 11:59	12.98	1340.90	81.41	1340.70	72.26	30.06	12.82	7.02	29.53	12.54	10.37
6/21/00 12:00	13.00	1340.90	81.42	1340.65	72.27	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:01	13.02	1340.90	81.42	1340.59	72.29	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:03	13.05	1340.90	81.42	1340.64	72.30	30.06	12.82	7.02	29.53	12.54	10.37
6/21/00 12:04	13.07	1340.90	81.42	1340.69	72.32	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:05	13.08	1340.90	81.41	1340.79	72.32	30.06	12.82	7.02	29.53	12.54	10.37
6/21/00 12:06	13.10	1340.90	81.41	1340.71	72.31	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:07	13.12	1340.90	81.41	1340.67	72.30	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:09	13.15	1340.90	81.41	1340.73	72.29	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:10	13.17	1340.90	81.41	1340.72	72.28	30.07	12.82	7.02	29.54	12.54	10.37
6/21/00 12:11	13.18	1340.90	81.41	1340.72	72.28	30.07	12.82	7.02	29.54	12.54	10.38
6/21/00 12:12	13.20	1340.90	81.41	1340.73	72.29	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:13	13.22	1340.90	81.41	1340.70	72.30	30.07	12.82	7.02	29.53	12.54	10.37
6/21/00 12:15	13.25	1340.90	81.40	1340.76	72.32	30.07	12.82	7.02	29.53	12.54	10.38
6/21/00 12:16	13.27	1340.90	81.41	1340.72	72.33	30.07	12.82	7.02	29.54	12.54	10.38
6/21/00 12:17	13.28	1340.90	81.41	1340.72	72.33	30.07	12.82	7.03	29.54	12.54	10.38
6/21/00 12:18	13.30	1340.90	81.41	1340.70	72.33	30.08	12.82	7.03	29.54	12.54	10.38
6/21/00 12:19	13.32	1340.90	81.41	1340.69	72.33	30.08	12.82	7.03	29.54	12.54	10.38
6/21/00 12:21	13.35	1340.90	81.41	1340.72	72.32	30.08	12.82	7.03	29.54	12.54	10.38
6/21/00 12:22	13.37	1340.90	81.41	1340.71	72.32	30.08	12.82	7.03	29.54	12.54	10.38
6/21/00 12:23	13.38	1340.90	81.41	1340.67	72.32	30.08	12.82	7.03	29.54	12.54	10.38
6/21/00 12:24	13.40	1340.90	81.41	1340.60	72.32	30.08	12.82	7.03	29.54	12.54	10.38
6/21/00 12:25	13.42	1340.90	81.41	1340.62	72.32	30.08	12.82	7.03	29.55	12.54	10.38
6/21/00 12:27	13.45	1340.90	81.41	1340.69	72.33	30.11	12.82	7.03	29.57	12.54	10.38
6/21/00 12:28	13.47	1340.90	81.41	1340.72	72.33	30.12	12.82	7.03	29.57	12.54	10.38
6/21/00 12:29	13.48	1340.90	81.41	1340.76	72.33	30.12	12.82	7.03	29.57	12.54	10.38
6/21/00 12:30	13.50	1340.89	81.41	1340.83	72.32	30.12	12.82	7.03	29.55	12.54	10.38
6/21/00 12:31	13.52	1340.90	81.41	1340.67	72.31	30.12	12.82	7.03	29.55	12.54	10.38
6/21/00 12:33	13.55	1340.90	81.41	1340.58	72.31	30.12	12.82	7.03	29.55	12.54	10.38
6/21/00 12:34	13.57	1340.90	81.41	1340.63	72.30	30.14	12.82	7.03	29.55	12.54	10.38
6/21/00 12:35	13.58	1340.90	81.41	1340.70	72.28	30.14	12.82	7.03	29.55	12.54	10.38
6/21/00 12:36	13.60	1340.90	81.41	1340.74	72.27	30.14	12.82	7.03	29.55	12.54	10.38
6/21/00 12:37	13.62	1340.90	81.41	1340.76	72.26	30.12	12.82	7.03	29.55	12.54	10.38
6/21/00 12:39	13.65	1340.90	81.41	1340.62	72.26	30.12	12.82	7.03	29.57	12.54	10.38
6/21/00 12:40	13.67	1340.89	81.41	1340.58	72.25	30.14	12.82	7.03	29.57	12.54	10.38
6/21/00 12:41	13.68	1340.90	81.40	1340.75	72.25	30.14	12.82	7.03	29.57	12.54	10.39
6/21/00 12:42	13.70	1340.89	81.40	1340.80	72.25	30.12	12.82	7.03	29.57	12.54	10.38
6/21/00 12:43	13.72	1340.89	81.40	1340.72	72.26	30.12	12.82	7.03	29.57	12.54	10.38
6/21/00 12:45	13.75	1340.90	81.40	1340.66	72.27	30.11	12.82	7.03	29.57	12.54	10.38
6/21/00 12:46	13.77	1340.89	81.40	1340.64	72.28	30.11	12.82	7.03	29.57	12.54	10.38
6/21/00 12:47	13.78	1340.89	81.40	1340.67	72.28	30.11	12.82	7.04	29.57	12.54	10.38
6/21/00 12:48	13.80	1340.89	81.40	1340.66	72.28	30.11	12.82	7.04	29.57	12.54	10.39
6/21/00 12:49	13.82	1340.89	81.40	1340.72	72.27	30.11	12.82	7.04	29.57	12.54	10.39
6/21/00 12:51	13.85	1340.84	81.40	1340.72	72.26	30.11	12.82	7.04	29.57	12.54	10.39
6/21/00 12:52	13.87	1340.87	81.40	1340.68	72.26	30.10	12.82	7.04	29.57	12.54	10.39
6/21/00 12:53	13.88	1340.88	81.40	1340.66	72.26	30.10	12.82	7.04	29.57	12.54	10.39
6/21/00 12:54	13.90	1340.88	81.40	1340.71	72.28	30.11	12.82	7.04	29.57	12.54	10.39
6/21/00 12:55	13.92	1340.89	81.40	1340.87	72.29	30.11	12.82	7.04	29.58	12.54	10.39
6/21/00 12:57	13.95	1340.89	81.40	1340.80	72.30	30.14	12.82	7.04	29.58	12.54	10.39
6/21/00 12:58	13.97	1340.89	81.39	1340.73	72.32	30.15	12.82	7.04	29.59	12.54	10.39
6/21/00 12:59	13.98	1340.89	81.39	1340.70	72.33	30.15	12.82	7.04	29.59	12.54	10.39
6/21/00 13:00	14.00	1340.89	81.39	1340.69	72.33	30.15	12.82	7.04	29.59	12.54	10.39
6/21/00 13:01	14.02	1340.89	81.39	1340.69	72.33	30.14	12.82	7.04	29.58	12.54	10.39
6/21/00 13:03	14.05	1340.89	81.39	1340.72	72.33	30.12	12.82	7.04	29.58	12.54	10.39
6/21/00 13:04	14.07	1340.89	81.39	1340.70	72.33	30.12	12.82	7.04	29.58	12.54	10.39
6/21/00 13:05	14.08	1340.89	81.39	1340.60	72.33	30.12	12.82	7.04	29.58	12.54	10.39
6/21/00 13:06	14.10	1340.89	81.39	1340.64	72.34	30.12	12.82	7.05	29.58	12.54	10.39
6/21/00 13:07	14.12	1340.89	81.39	1340.72	72.34	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:09	14.15	1340.89	81.39	1340.73	72.35	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:10	14.17	1340.76	81.39	1340.84	72.35	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:11	14.18	1340.80	81.39	1340.71	72.32	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:12	14.20	1340.85	81.39	1340.64	72.29	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:13	14.22	1340.85	81.39	1340.61	72.26	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:15	14.25	1340.87	81.39	1340.63	72.22	30.12	12.82	7.05	29.57	12.54	10.40
6/21/00 13:16	14.27	1340.87	81.39	1340.66	72.19	30.12	12.83	7.05	29.57	12.54	10.40
6/21/00 13:17	14.28	1340.87	81.39	1340.65	72.18	30.12	12.83	7.05	29.55	12.54	10.40
6/21/00 13:18	14.30	1340.88	81.39	1340.64	72.19	30.12	12.83	7.05	29.55	12.54	10.40
6/21/00 13:19	14.32	1340.88	81.39	1340.68	72.21	30.12	12.83	7.05	29.55	12.54	10.40
6/21/00 13:21	14.35	1340.88	81.39	1340.76	72.23	30.12	12.83	7.05	29.57	12.54	10.40
6/21/00 13:22	14.37	1340.88	81.39	1340.74	72.25	30.12	12.83	7.05	29.57	12.54	10.40
6/21/00 13:23	14.38	1340.88	81.39	1340.71	72.25	30.12	12.83	7.05	29.57	12.54	10.40
6/21/00 13:24	14.40	1340.88	81.39	1340.71	72.24	30.12	12.83	7.05	29.58	12.54	10.40



6/21/00 13:25	14.42	1340.88	81.39	1340.75	72.23	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:27	14.45	1340.88	81.39	1340.66	72.22	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:28	14.47	1340.88	81.39	1340.57	72.21	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:29	14.48	1340.88	81.39	1340.65	72.20	30.12	12.82	7.05	29.58	12.54	10.40
6/21/00 13:30	14.50	1340.88	81.39	1340.69	72.21	30.12	12.82	7.05	29.59	12.54	10.40
6/21/00 13:31	14.52	1340.88	81.39	1340.73	72.22	30.08	12.82	7.05	29.54	12.54	10.40
6/21/00 13:33	14.55	1340.88	81.39	1340.71	72.24	30.00	12.82	7.05	29.54	12.54	10.40
6/21/00 13:34	14.57	1340.88	81.38	1340.63	72.25	29.96	12.83	7.06	29.54	12.54	10.40
6/21/00 13:35	14.58	1340.88	81.38	1340.71	72.28	29.95	12.82	7.06	29.53	12.54	10.40
6/21/00 13:36	14.60	1340.88	81.38	1340.69	72.31	29.93	12.82	7.06	29.53	12.54	10.40
6/21/00 13:37	14.62	1340.87	81.38	1340.67	72.34	29.93	12.82	7.06	29.53	12.54	10.40
6/21/00 13:39	14.65	1340.87	81.38	1340.68	72.37	29.92	12.82	7.06	29.53	12.54	10.40
6/21/00 13:40	14.67	1340.87	81.38	1340.66	72.39	29.92	12.83	7.06	29.53	12.54	10.40
6/21/00 13:41	14.68	1340.87	81.38	1340.70	72.40	29.90	12.83	7.06	29.51	12.54	10.40
6/21/00 13:42	14.70	1340.87	81.38	1340.74	72.38	29.90	12.83	7.06	29.53	12.54	10.40
6/21/00 13:43	14.72	1340.87	81.38	1340.70	72.35	29.90	12.83	7.06	29.53	12.54	10.40
6/21/00 13:45	14.75	1340.87	81.38	1340.71	72.33	29.89	12.83	7.06	29.53	12.54	10.40
6/21/00 13:46	14.77	1340.87	81.38	1340.74	72.31	29.89	12.83	7.06	29.53	12.54	10.41
6/21/00 13:47	14.78	1340.87	81.38	1340.70	72.30	29.89	12.83	7.06	29.53	12.54	10.40
6/21/00 13:48	14.80	1340.87	81.38	1340.69	72.32	29.89	12.83	7.06	29.53	12.54	10.41
6/21/00 13:49	14.82	1340.87	81.38	1340.71	72.34	26.83	12.83	7.06	29.53	12.54	10.41
6/21/00 13:51	14.85	1340.87	81.38	1340.67	72.36	30.12	12.83	7.06	29.55	12.54	10.41
6/21/00 13:52	14.87	1340.87	81.38	1340.63	72.38	40.49	12.83	7.06	29.58	12.54	10.41
6/21/00 13:53	14.88	1340.87	81.38	1340.68	72.40	44.15	12.83	7.06	29.61	12.54	10.41
6/21/00 13:54	14.90	1340.87	81.38	1340.66	72.40	52.09	12.83	7.06	29.61	12.54	10.41
6/21/00 13:55	14.92	1340.87	81.38	1340.50	72.40	52.74	12.83	7.06	29.62	12.54	10.41
6/21/00 13:57	14.95	1340.87	81.38	1340.54	72.41	52.71	12.83	7.06	29.62	12.54	10.41
6/21/00 13:58	14.97	1340.87	81.38	1340.61	72.41	51.94	12.83	7.06	29.62	12.54	10.41
6/21/00 13:59	14.98	1340.87	81.38	1340.64	72.40	55.18	12.84	7.06	29.62	12.55	10.41
6/21/00 14:00	15.00	1340.87	81.38	1340.69	72.38	56.48	12.84	7.06	29.62	12.54	10.41
6/21/00 14:01	15.02	1340.87	81.38	1340.83	72.36	60.22	12.84	7.06	29.62	12.54	10.41
6/21/00 14:03	15.05	1340.87	81.38	1340.83	72.34	58.45	12.84	7.06	29.62	12.55	10.41
6/21/00 14:04	15.07	1340.87	81.38	1340.67	72.32	58.87	12.84	7.06	29.62	12.55	10.41
6/21/00 14:05	15.08	1340.87	81.38	1340.60	72.29	58.70	12.84	7.06	29.62	12.55	10.41
6/21/00 14:06	15.10	1340.87	81.38	1340.62	72.28	59.80	12.84	7.06	29.62	12.54	10.41
6/21/00 14:07	15.12	1340.87	81.38	1340.63	72.27	58.36	12.83	7.07	29.63	12.55	10.41
6/21/00 14:09	15.15	1340.87	81.38	1340.77	72.26	61.93	12.83	7.07	29.63	12.55	10.41
6/21/00 14:10	15.17	1340.87	81.38	1340.76	72.25	60.66	12.83	7.07	29.63	12.55	10.42
6/21/00 14:11	15.18	1340.87	81.38	1340.48	72.24	61.70	12.84	7.07	29.65	12.55	10.42
6/21/00 14:12	15.20	1340.87	81.38	1340.52	72.25	63.31	12.83	7.08	29.65	12.55	10.42
6/21/00 14:13	15.22	1340.86	81.38	1340.62	72.25	59.18	12.83	7.07	29.63	12.55	10.42
6/21/00 14:15	15.25	1340.86	81.38	1340.72	72.25	60.99	12.83	7.07	29.65	12.55	10.42
6/21/00 14:16	15.27	1340.86	81.38	1340.70	72.25	62.36	12.83	7.08	29.65	12.55	10.42
6/21/00 14:17	15.28	1340.86	81.37	1340.64	72.26	63.06	12.84	7.08	29.65	12.55	10.42
6/21/00 14:18	15.30	1340.86	81.37	1340.73	72.26	62.65	12.84	7.08	29.63	12.55	10.42
6/21/00 14:19	15.32	1340.86	81.37	1340.63	72.26	62.39	12.84	7.08	29.63	12.55	10.42
6/21/00 14:21	15.35	1340.86	81.37	1340.61	72.26	64.31	12.84	7.06	29.63	12.55	10.42
6/21/00 14:22	15.37	1340.86	81.37	1340.54	72.26	62.97	12.84	7.06	29.62	12.55	10.42
6/21/00 14:23	15.38	1340.86	81.37	1340.69	72.26	62.97	12.83	7.08	29.63	12.55	10.42
6/21/00 14:24	15.40	1340.86	81.37	1340.75	72.25	61.81	12.84	7.08	29.62	12.55	10.42
6/21/00 14:25	15.42	1340.86	81.37	1340.71	72.25	62.17	12.84	7.09	29.62	12.55	10.42
6/21/00 14:27	15.45	1340.86	81.37	1340.67	72.25	61.78	12.84	7.08	29.62	12.56	10.42
6/21/00 14:28	15.47	1340.86	81.37	1340.57	72.24	62.47	12.84	7.08	29.62	12.55	10.42
6/21/00 14:29	15.48	1340.85	81.37	1340.67	72.24	62.59	12.84	7.09	29.62	12.56	10.42
6/21/00 14:30	15.50	1340.83	81.37	1340.66	72.24	62.20	12.85	7.07	29.62	12.56	10.42
6/21/00 14:31	15.52	1340.82	81.37	1340.66	72.23	63.25	12.85	7.08	29.63	12.56	10.42
6/21/00 14:33	15.55	1340.82	81.37	1340.61	72.23	62.13	12.85	7.08	29.62	12.55	10.42
6/21/00 14:34	15.57	1340.81	81.37	1340.63	72.23	62.58	12.85	7.09	29.62	12.55	10.42
6/21/00 14:35	15.58	1340.81	81.37	1340.72	72.26	61.56	12.86	7.07	29.62	12.56	10.42
6/21/00 14:36	15.60	1340.81	81.36	1340.55	72.29	63.98	12.85	7.07	29.62	12.56	10.42
6/21/00 14:37	15.62	1340.81	81.36	1340.54	72.32	61.41	12.85	7.08	29.62	12.56	10.42
6/21/00 14:39	15.65	1340.80	81.36	1340.52	72.35	62.64	12.84	7.09	29.62	12.56	10.42
6/21/00 14:40	15.67	1340.80	81.36	1340.58	72.38	61.78	12.85	7.07	29.63	12.56	10.42
6/21/00 14:41	15.68	1340.80	81.36	1340.69	72.41	60.20	12.85	7.08	29.62	12.56	10.42
6/21/00 14:42	15.70	1340.80	81.36	1340.62	72.41	62.57	12.85	7.08	29.62	12.56	10.42
6/21/00 14:43	15.72	1340.81	81.36	1340.46	72.41	61.48	12.84	7.09	29.62	12.56	10.42
6/21/00 14:45	15.75	1340.83	81.36	1340.53	72.41	62.03	12.85	7.08	29.63	12.56	10.42
6/21/00 14:46	15.77	1340.83	81.36	1340.60	72.41	61.92	12.84	7.08	29.62	12.56	10.42
6/21/00 14:47	15.78	1340.83	81.36	1340.67	72.40	62.11	12.84	7.08	29.62	12.56	10.43
6/21/00 14:48	15.80	1340.82	81.36	1340.68	72.39	63.78	12.84	7.07	29.61	12.56	10.43
6/21/00 14:49	15.82	1340.80	81.36	1340.67	72.38	62.87	12.84	7.09	29.61	12.56	10.43
6/21/00 14:51	15.85	1340.79	81.36	1340.65	72.36	62.75	12.84	7.09	29.61	12.56	10.43
6/21/00 14:52	15.87	1340.79	81.36	1340.64	72.35	61.77	12.84	7.07	29.61	12.56	10.43
6/21/00 14:53	15.88	1340.79	81.36	1340.62	72.33	62.15	12.84	7.09	29.61	12.56	10.43
6/21/00 14:54	15.90	1340.79	81.36	1340.59	72.33	63.49	12.84	7.08	29.61	12.56	10.43
6/21/00 14:55	15.92	1340.78	81.36	1340.66	72.32	61.38	12.84	7.09	29.61	12.56	10.43
6/21/00 14:57	15.95	1340.78	81.36	1340.70	72.32	61.92	12.84	7.08	29.61	12.56	10.43
6/21/00 14:58	15.97	1340.78	81.36	1340.78	72.31	62.98	12.84	7.07	29.59	12.56	10.43
6/21/00 14:59	15.98	1340.78	81.36	1340.63	72.29	62.28	12.85	7.08	29.59	12.56	10.43
6/21/00 15:00	16.00	1340.78	81.36	1340.65	72.28	62.39	12.85	7.07	29.59	12.56	10.43
6/21/00 15:01	16.02	1340.78	81.36	1340.62	72.26	62.80	12.84	7.09	29.61	12.56	10.43

6/21/00 15:03	16.05	1340.78	81.36	1340.61	72.25	62.64	12.84	7.09	29.61	12.56	10.43
6/21/00 15:04	16.07	1340.77	81.36	1340.61	72.24	62.48	12.84	7.09	29.61	12.56	10.43
6/21/00 15:05	16.08	1340.77	81.36	1340.56	72.22	62.44	12.84	7.09	29.61	12.56	10.43
6/21/00 15:06	16.10	1340.77	81.36	1340.57	72.22	62.44	12.85	7.08	29.61	12.56	10.43
6/21/00 15:07	16.12	1340.77	81.36	1340.61	72.21	63.14	12.84	7.08	29.61	12.56	10.43
6/21/00 15:09	16.15	1340.77	81.36	1340.63	72.21	62.51	12.85	7.09	29.61	12.56	10.43
6/21/00 15:10	16.17	1340.77	81.36	1340.63	72.20	63.30	12.84	7.09	29.61	12.56	10.43
6/21/00 15:11	16.18	1340.76	81.35	1340.64	72.22	61.96	12.85	7.08	29.61	12.56	10.43
6/21/00 15:12	16.20	1340.76	81.35	1340.70	72.24	61.70	12.85	7.09	29.61	12.56	10.43
6/21/00 15:13	16.22	1340.76	81.35	1340.63	72.27	62.29	12.85	7.08	29.61	12.56	10.43
6/21/00 15:15	16.25	1340.76	81.36	1340.57	72.29	62.47	12.84	7.10	29.62	12.56	10.43
6/21/00 15:16	16.27	1340.76	81.36	1340.60	72.31	63.12	12.85	7.08	29.62	12.56	10.43
6/21/00 15:17	16.28	1340.76	81.36	1340.61	72.30	62.21	12.85	7.08	29.63	12.56	10.43
6/21/00 15:18	16.30	1340.76	81.36	1340.61	72.26	62.40	12.84	7.09	29.63	12.56	10.43
6/21/00 15:19	16.32	1340.76	81.36	1340.63	72.23	62.58	12.84	7.08	29.65	12.56	10.43
6/21/00 15:21	16.35	1340.76	81.36	1340.62	72.19	62.69	12.83	7.09	29.65	12.56	10.43
6/21/00 15:22	16.37	1340.75	81.36	1340.62	72.16	61.23	12.84	7.09	29.63	12.56	10.43
6/21/00 15:23	16.38	1340.75	81.36	1340.59	72.14	62.95	12.84	7.07	29.63	12.56	10.43
6/21/00 15:24	16.40	1340.75	81.36	1340.57	72.16	62.69	12.83	7.09	29.65	12.56	10.42
6/21/00 15:25	16.42	1340.75	81.36	1340.62	72.18	61.85	12.83	7.09	29.65	12.56	10.43
6/21/00 15:27	16.45	1340.75	81.36	1340.65	72.19	62.24	12.84	7.08	29.65	12.56	10.43
6/21/00 15:28	16.47	1340.75	81.36	1340.66	72.21	62.28	12.84	7.09	29.63	12.56	10.43
6/21/00 15:29	16.48	1340.74	81.36	1340.65	72.23	62.32	12.83	7.09	29.63	12.56	10.43
6/21/00 15:30	16.50	1340.75	81.35	1340.57	72.23	62.80	12.84	7.07	29.63	12.56	10.43
6/21/00 15:31	16.52	1340.74	81.35	1340.58	72.23	62.07	12.84	7.07	29.63	12.56	10.42
6/21/00 15:33	16.55	1340.75	81.35	1340.57	72.23	62.91	12.83	7.09	29.63	12.56	10.42
6/21/00 15:34	16.57	1340.74	81.35	1340.52	72.23	62.99	12.83	7.09	29.63	12.57	10.43
6/21/00 15:35	16.58	1340.74	81.35	1340.56	72.24	62.09	12.84	7.08	29.62	12.57	10.43
6/21/00 15:36	16.60	1340.74	81.35	1340.56	72.24	62.32	12.83	7.09	29.63	12.56	10.43
6/21/00 15:37	16.62	1340.74	81.35	1340.64	72.25	62.26	12.83	7.09	29.63	12.57	10.42
6/21/00 15:39	16.65	1340.74	81.35	1340.66	72.25	63.46	12.84	7.07	29.62	12.56	10.42
6/21/00 15:40	16.67	1340.74	81.35	1340.60	72.26	62.83	12.84	7.07	29.63	12.56	10.42
6/21/00 15:41	16.68	1340.74	81.35	1340.72	72.26	60.78	12.84	7.08	29.62	12.56	10.42
6/21/00 15:42	16.70	1340.74	81.35	1340.66	72.25	61.48	12.83	7.09	29.62	12.56	10.42
6/21/00 15:43	16.72	1340.74	81.35	1340.62	72.25	62.83	12.83	7.07	29.62	12.56	10.42
6/21/00 15:45	16.75	1340.74	81.35	1340.55	72.24	62.17	12.83	7.08	29.62	12.56	10.42
6/21/00 15:46	16.77	1340.73	81.35	1340.52	72.24	62.79	12.84	7.07	29.62	12.56	10.42
6/21/00 15:47	16.78	1340.73	81.35	1340.55	72.25	62.47	12.84	7.08	29.62	12.56	10.42
6/21/00 15:48	16.80	1340.73	81.35	1340.51	72.28	62.06	12.84	7.07	29.62	12.57	10.42
6/21/00 15:49	16.82	1340.73	81.35	1340.59	72.30	61.96	12.84	7.07	29.62	12.57	10.42
6/21/00 15:51	16.85	1340.73	81.35	1340.62	72.32	62.43	12.84	7.08	29.62	12.57	10.42
6/21/00 15:52	16.87	1340.73	81.35	1340.67	72.34	61.18	12.84	7.08	29.62	12.57	10.42
6/21/00 15:53	16.88	1340.73	81.35	1340.56	72.34	62.28	12.84	7.08	29.62	12.57	10.42
6/21/00 15:54	16.90	1340.73	81.35	1340.52	72.32	61.60	12.84	7.08	29.62	12.57	10.42
6/21/00 15:55	16.92	1340.73	81.35	1340.45	72.30	62.24	12.83	7.09	29.62	12.57	10.42
6/21/00 15:57	16.95	1340.73	81.35	1340.48	72.28	61.66	12.84	7.08	29.62	12.57	10.42
6/21/00 15:58	16.97	1340.73	81.35	1340.64	72.26	61.96	12.83	7.09	29.62	12.57	10.42
6/21/00 15:59	16.98	1340.73	81.35	1340.57	72.23	62.69	12.83	7.09	29.62	12.57	10.42
6/21/00 16:00	17.00	1340.72	81.35	1340.54	72.22	61.82	12.84	7.09	29.61	12.57	10.42
6/21/00 16:01	17.02	1340.72	81.35	1340.52	72.21	62.50	12.84	7.09	29.61	12.57	10.42
6/21/00 16:03	17.05	1340.72	81.35	1340.53	72.20	63.06	12.84	7.08	29.61	12.57	10.42
6/21/00 16:04	17.07	1340.72	81.35	1340.55	72.19	60.99	12.85	7.09	29.61	12.57	10.42
6/21/00 16:05	17.08	1340.72	81.35	1340.57	72.19	62.53	12.85	7.08	29.61	12.57	10.42
6/21/00 16:06	17.10	1340.72	81.35	1340.61	72.20	63.14	12.84	7.08	29.61	12.57	10.42
6/21/00 16:07	17.12	1340.72	81.35	1340.65	72.21	61.95	12.85	7.08	29.59	12.57	10.42
6/21/00 16:09	17.15	1340.72	81.35	1340.71	72.22	61.30	12.85	7.09	29.61	12.57	10.42
6/21/00 16:10	17.17	1340.72	81.35	1340.65	72.23	63.34	12.84	7.08	29.61	12.57	10.42
6/21/00 16:11	17.18	1340.72	81.35	1340.60	72.24	61.95	12.85	7.09	29.61	12.57	10.42
6/21/00 16:12	17.20	1340.72	81.34	1340.55	72.24	61.16	12.85	7.09	29.59	12.57	10.42
6/21/00 16:13	17.22	1340.72	81.34	1340.53	72.24	61.43	12.84	7.09	29.59	12.57	10.42
6/21/00 16:15	17.25	1340.72	81.34	1340.54	72.23	62.07	12.84	7.08	29.59	12.58	10.42
6/21/00 16:16	17.27	1340.71	81.34	1340.54	72.23	62.91	12.84	7.08	29.59	12.57	10.42
6/21/00 16:17	17.28	1340.71	81.34	1340.60	72.25	62.59	12.84	7.09	29.61	12.57	10.42
6/21/00 16:18	17.30	1340.71	81.34	1340.57	72.27	62.59	12.84	7.08	29.61	12.57	10.42
6/21/00 16:19	17.32	1340.71	81.34	1340.54	72.30	61.92	12.84	7.08	29.61	12.57	10.42
6/21/00 16:21	17.35	1340.71	81.34	1340.55	72.32	63.01	12.84	7.09	29.59	12.57	10.42
6/21/00 16:22	17.37	1340.71	81.34	1340.58	72.34	61.47	12.85	7.08	29.58	12.57	10.42
6/21/00 16:23	17.38	1340.71	81.34	1340.56	72.34	63.31	12.84	7.09	29.58	12.57	10.42
6/21/00 16:24	17.40	1340.71	81.34	1340.57	72.31	61.69	12.84	7.09	29.58	12.57	10.42
6/21/00 16:25	17.42	1340.71	81.34	1340.53	72.29	60.66	12.84	7.09	29.59	12.57	10.42
6/21/00 16:27	17.45	1340.71	81.34	1340.51	72.26	62.18	12.85	7.08	29.58	12.57	10.42
6/21/00 16:28	17.47	1340.71	81.34	1340.55	72.24	62.35	12.85	7.08	29.58	12.58	10.42
6/21/00 16:29	17.48	1340.71	81.34	1340.72	72.21	60.71	12.84	7.09	29.58	12.57	10.41
6/21/00 16:30	17.50	1340.71	81.34	1340.68	72.21	61.49	12.84	7.09	29.58	12.58	10.41
6/21/00 16:31	17.52	1340.71	81.34	1340.55	72.20	62.03	12.85	7.09	29.58	12.57	10.41
6/21/00 16:33	17.55	1340.71	81.34	1340.54	72.20	62.44	12.85	7.09	29.58	12.57	10.41
6/21/00 16:34	17.57	1340.70	81.34	1340.54	72.20	62.79	12.86	7.08	29.57	12.57	10.41
6/21/00 16:35	17.58	1340.70	81.34	1340.51	72.20	61.91	12.86	7.08	29.57	12.58	10.41
6/21/00 16:36	17.60	1340.71	81.34	1340.55	72.21	61.12	12.86	7.09	29.55	12.57	10.41
6/21/00 16:37	17.62	1340.70	81.34	1340.54	72.22	62.64	12.86	7.09	29.55	12.57	10.41
6/21/00 16:39	17.65	1340.70	81.34	1340.52	72.23	61.80	12.85	7.09	29.55	12.57	10.41

6/21/00 16:40	17.67	1340.70	81.34	1340.51	72.24	60.85	12.86	7.08	29.55	12.57	10.41
6/21/00 16:41	17.68	1340.70	81.34	1340.64	72.23	61.26	12.86	7.08	29.55	12.58	10.41
6/21/00 16:42	17.70	1340.70	81.34	1340.69	72.20	61.96	12.87	7.07	29.54	12.57	10.41
6/21/00 16:43	17.72	1340.70	81.34	1340.56	72.18	61.34	12.87	7.08	29.54	12.57	10.41
6/21/00 16:45	17.75	1340.70	81.34	1340.54	72.16	61.45	12.88	7.08	29.54	12.58	10.41
6/21/00 16:46	17.77	1340.70	81.34	1340.57	72.14	63.75	12.88	7.08	29.54	12.57	10.41
6/21/00 16:47	17.78	1340.70	81.34	1340.49	72.16	61.62	12.87	7.09	29.54	12.57	10.41
6/21/00 16:48	17.80	1340.70	81.34	1340.62	72.20	61.30	12.86	7.08	29.55	12.57	10.41
6/21/00 16:49	17.82	1340.70	81.34	1340.62	72.24	62.36	12.86	7.07	29.57	12.57	10.40
6/21/00 16:51	17.85	1340.70	81.34	1340.65	72.28	61.88	12.85	7.08	29.57	12.57	10.40
6/21/00 16:52	17.87	1340.70	81.34	1340.59	72.33	62.79	12.85	7.08	29.57	12.57	10.40
6/21/00 16:53	17.88	1340.70	81.34	1340.58	72.35	62.51	12.85	7.08	29.57	12.58	10.40
6/21/00 16:54	17.90	1340.70	81.34	1340.58	72.34	61.36	12.85	7.08	29.55	12.57	10.41
6/21/00 16:55	17.92	1340.72	81.34	1340.60	72.32	63.28	12.85	7.07	29.55	12.57	10.40
6/21/00 16:57	17.95	1340.73	81.34	1340.58	72.31	62.33	12.85	7.08	29.54	12.58	10.40
6/21/00 16:58	17.97	1340.73	81.34	1340.59	72.30	61.00	12.86	7.08	29.54	12.58	10.40
6/21/00 16:59	17.98	1340.73	81.34	1340.61	72.28	62.00	12.85	7.07	29.54	12.58	10.40
6/21/00 17:00	18.00	1340.73	81.34	1340.55	72.27	62.80	12.86	7.07	29.54	12.58	10.40
6/21/00 17:01	18.02	1340.71	81.34	1340.53	72.27	63.06	12.85	7.07	29.54	12.57	10.40
6/21/00 17:03	18.05	1340.71	81.34	1340.54	72.26	61.03	12.86	7.07	29.54	12.58	10.40
6/21/00 17:04	18.07	1340.70	81.34	1340.56	72.25	61.73	12.85	7.07	29.54	12.57	10.40
6/21/00 17:05	18.08	1340.70	81.34	1340.56	72.25	62.58	12.85	7.07	29.54	12.57	10.40
6/21/00 17:06	18.10	1340.70	81.34	1340.50	72.25	62.39	12.85	7.07	29.55	12.58	10.40
6/21/00 17:07	18.12	1340.70	81.34	1340.50	72.25	62.97	12.84	7.07	29.54	12.58	10.40
6/21/00 17:09	18.15	1340.70	81.33	1340.51	72.26	62.25	12.85	7.07	29.54	12.58	10.40
6/21/00 17:10	18.17	1340.70	81.33	1340.48	72.26	62.53	12.84	7.08	29.54	12.58	10.40
6/21/00 17:11	18.18	1340.70	81.33	1340.53	72.27	62.53	12.84	7.07	29.53	12.57	10.40
6/21/00 17:12	18.20	1340.69	81.33	1340.46	72.28	61.74	12.85	7.07	29.54	12.58	10.40
6/21/00 17:13	18.22	1340.70	81.33	1340.50	72.28	62.24	12.85	7.06	29.54	12.58	10.40
6/21/00 17:15	18.25	1340.70	81.33	1340.53	72.29	62.14	12.84	7.08	29.54	12.57	10.40
6/21/00 17:16	18.27	1340.69	81.33	1340.49	72.30	61.12	12.86	7.07	29.53	12.58	10.40
6/21/00 17:17	18.28	1340.69	81.33	1340.59	72.29	62.18	12.85	7.06	29.53	12.58	10.40
6/21/00 17:18	18.30	1340.70	81.33	1340.62	72.27	60.86	12.85	7.06	29.53	12.57	10.40
6/21/00 17:19	18.32	1340.72	81.33	1340.60	72.24	61.82	12.85	7.07	29.53	12.58	10.40
6/21/00 17:21	18.35	1340.73	81.33	1340.55	72.22	62.33	12.85	7.06	29.53	12.58	10.40
6/21/00 17:22	18.37	1340.73	81.33	1340.60	72.20	61.84	12.85	7.07	29.53	12.58	10.39
6/21/00 17:23	18.38	1340.72	81.33	1340.53	72.18	64.49	12.85	7.06	29.53	12.58	10.40
6/21/00 17:24	18.40	1340.71	81.33	1340.53	72.19	63.02	12.86	7.06	29.53	12.58	10.39
6/21/00 17:25	18.42	1340.70	81.33	1340.53	72.20	62.83	12.86	7.06	29.53	12.58	10.39
6/21/00 17:27	18.45	1340.70	81.33	1340.51	72.21	63.24	12.86	7.06	29.53	12.57	10.39
6/21/00 17:28	18.47	1340.70	81.33	1340.51	72.22	63.27	12.85	7.06	29.53	12.57	10.39
6/21/00 17:29	18.48	1340.70	81.33	1340.54	72.22	61.89	12.86	7.06	29.53	12.58	10.39
6/21/00 17:30	18.50	1340.69	81.33	1340.45	72.21	63.21	12.85	7.07	29.53	12.58	10.39
6/21/00 17:31	18.52	1340.69	81.33	1340.51	72.19	64.08	12.86	7.06	29.53	12.58	10.39
6/21/00 17:33	18.55	1340.70	81.33	1340.56	72.18	63.23	12.86	7.06	29.53	12.57	10.39
6/21/00 17:34	18.57	1340.69	81.33	1340.68	72.17	63.08	12.85	7.07	29.53	12.58	10.39
6/21/00 17:35	18.58	1340.69	81.33	1340.60	72.17	61.91	12.86	7.07	29.53	12.58	10.39
6/21/00 17:36	18.60	1340.69	81.33	1340.54	72.17	62.86	12.86	7.06	29.53	12.58	10.39
6/21/00 17:37	18.62	1340.69	81.33	1340.47	72.18	62.87	12.86	7.06	29.51	12.58	10.39
6/21/00 17:39	18.65	1340.69	81.33	1340.52	72.19	62.90	12.86	7.06	29.51	12.58	10.39
6/21/00 17:40	18.67	1340.69	81.33	1340.57	72.20	62.70	12.86	7.07	29.51	12.57	10.38
6/21/00 17:41	18.68	1340.69	81.33	1340.60	72.23	63.53	12.86	7.06	29.53	12.57	10.38
6/21/00 17:42	18.70	1340.69	81.33	1340.59	72.27	62.54	12.87	7.07	29.51	12.57	10.38
6/21/00 17:43	18.72	1340.69	81.33	1340.57	72.30	62.81	12.86	7.06	29.51	12.57	10.38
6/21/00 17:45	18.75	1340.69	81.33	1340.52	72.33	62.66	12.86	7.06	29.51	12.57	10.38
6/21/00 17:46	18.77	1340.72	81.33	1340.56	72.36	61.77	12.86	7.07	29.51	12.57	10.38
6/21/00 17:47	18.78	1340.72	81.33	1340.52	72.37	62.22	12.86	7.06	29.53	12.57	10.38
6/21/00 17:48	18.80	1340.72	81.33	1340.56	72.35	61.18	12.86	7.07	29.51	12.57	10.38
6/21/00 17:49	18.82	1340.73	81.33	1340.61	72.34	61.78	12.86	7.06	29.51	12.57	10.38
6/21/00 17:51	18.85	1340.73	81.33	1340.65	72.32	62.97	12.86	7.05	29.51	12.57	10.38
6/21/00 17:52	18.87	1340.72	81.33	1340.63	72.30	63.09	12.85	7.06	29.53	12.57	10.38
6/21/00 17:53	18.88	1340.70	81.33	1340.64	72.29	63.14	12.85	7.06	29.51	12.57	10.38
6/21/00 17:54	18.90	1340.70	81.33	1340.55	72.30	63.54	12.86	7.06	29.51	12.57	10.38
6/21/00 17:55	18.92	1340.70	81.33	1340.59	72.31	63.16	12.86	7.06	29.51	12.57	10.38
6/21/00 17:57	18.95	1340.70	81.33	1340.54	72.32	63.71	12.86	7.06	29.51	12.57	10.38
6/21/00 17:58	18.97	1340.70	81.33	1340.50	72.33	62.69	12.86	7.07	29.51	12.57	10.38
6/21/00 17:59	18.98	1340.70	81.33	1340.47	72.32	62.61	12.87	7.06	29.51	12.57	10.38
6/21/00 18:00	19.00	1340.70	81.33	1340.55	72.31	63.67	12.86	7.06	29.51	12.57	10.38
6/21/00 18:01	19.02	1340.70	81.33	1340.62	72.29	63.05	12.86	7.06	29.51	12.57	10.37
6/21/00 18:03	19.05	1340.70	81.33	1340.63	72.28	61.45	12.87	7.05	29.51	12.57	10.37
6/21/00 18:04	19.07	1340.70	81.33	1340.61	72.27	63.02	12.86	7.05	29.51	12.57	10.37
6/21/00 18:05	19.08	1340.69	81.33	1340.63	72.25	63.17	12.86	7.05	29.51	12.57	10.37
6/21/00 18:06	19.10	1340.69	81.32	1340.55	72.24	61.43	12.87	7.06	29.51	12.57	10.37
6/21/00 18:07	19.12	1340.69	81.32	1340.62	72.23	63.25	12.87	7.06	29.51	12.57	10.37
6/21/00 18:09	19.15	1340.69	81.32	1340.55	72.22	62.37	12.87	7.06	29.51	12.57	10.37
6/21/00 18:10	19.17	1340.69	81.32	1340.54	72.21	62.31	12.87	7.06	29.51	12.57	10.37
6/21/00 18:11	19.18	1340.69	81.32	1340.51	72.20	61.30	12.88	7.06	29.51	12.57	10.37
6/21/00 18:12	19.20	1340.69	81.32	1340.55	72.21	62.94	12.88	7.05	29.50	12.57	10.37
6/21/00 18:13	19.22	1340.69	81.32	1340.61	72.21	62.80	12.88	7.06	29.50	12.57	10.37
6/21/00 18:15	19.25	1340.69	81.32	1340.48	72.21	62.42	12.88	7.06	29.50	12.57	10.37
6/21/00 18:16	19.27	1340.69	81.32	1340.48	72.22	62.62	12.89	7.06	29.50	12.57	10.37

6/21/00 18:17	19.28	1340.69	81.32	1340.55	72.20	63.78	12.89	7.07	29.50	12.57	10.37
6/21/00 18:18	19.30	1340.69	81.32	1340.42	72.19	62.21	12.90	7.06	29.50	12.57	10.37
6/21/00 18:19	19.32	1340.69	81.32	1340.52	72.17	62.77	12.90	7.06	29.50	12.57	10.37
6/21/00 18:21	19.35	1340.69	81.32	1340.61	72.16	61.11	12.90	7.06	29.50	12.57	10.37
6/21/00 18:22	19.37	1340.69	81.32	1340.61	72.14	63.54	12.90	7.07	29.50	12.57	10.37
6/21/00 18:23	19.38	1340.69	81.32	1340.61	72.12	62.17	12.91	7.07	29.48	12.58	10.37
6/21/00 18:24	19.40	1340.69	81.32	1340.52	72.12	62.11	12.92	7.08	29.48	12.58	10.37
6/21/00 18:25	19.42	1340.69	81.32	1340.51	72.12	63.06	12.93	7.08	29.48	12.58	10.37
6/21/00 18:27	19.45	1340.70	81.32	1340.55	72.12	62.83	12.94	7.09	29.48	12.59	10.37
6/21/00 18:28	19.47	1340.70	81.32	1340.57	72.12	62.54	12.95	7.12	29.47	12.59	10.37
6/21/00 18:29	19.48	1340.69	81.32	1340.62	72.14	62.43	12.96	7.16	29.47	12.60	10.37
6/21/00 18:30	19.50	1340.69	81.32	1340.57	72.15	62.50	12.98	7.18	29.47	12.60	10.37
6/21/00 18:31	19.52	1340.70	81.32	1340.54	72.16	64.00	13.00	7.20	29.46	12.60	10.37
6/21/00 18:33	19.55	1340.70	81.32	1340.46	72.17	64.40	13.01	7.14	29.46	12.60	10.38
6/21/00 18:34	19.57	1340.70	81.32	1340.46	72.18	62.47	13.03	7.18	29.44	12.60	10.38
6/21/00 18:35	19.58	1340.70	81.32	1340.60	72.21	63.24	13.05	7.18	29.44	12.59	10.37
6/21/00 18:36	19.60	1340.70	81.32	1340.54	72.23	62.73	13.06	7.13	29.43	12.59	10.37
6/21/00 18:37	19.62	1340.70	81.32	1340.47	72.24	63.76	13.08	7.15	29.43	12.58	10.37
6/21/00 18:39	19.65	1340.70	81.32	1340.54	72.26	61.36	13.09	7.17	29.43	12.58	10.37
6/21/00 18:40	19.67	1340.70	81.32	1340.53	72.27	62.69	13.10	7.18	29.44	12.58	10.37
6/21/00 18:41	19.68	1340.70	81.32	1340.53	72.29	62.15	13.04	7.14	29.44	12.57	10.37
6/21/00 18:42	19.70	1340.70	81.32	1340.59	72.30	62.55	13.04	7.14	29.44	12.57	10.37
6/21/00 18:43	19.72	1340.70	81.32	1340.68	72.31	63.34	13.03	7.12	29.44	12.57	10.37
6/21/00 18:45	19.75	1340.70	81.32	1340.66	72.31	64.07	13.03	7.16	29.46	12.57	10.37
6/21/00 18:46	19.77	1340.70	81.32	1340.65	72.32	63.03	13.03	7.18	29.46	12.57	10.37
6/21/00 18:47	19.78	1340.70	81.32	1340.60	72.32	63.52	13.04	7.17	29.46	12.58	10.37
6/21/00 18:48	19.80	1340.70	81.32	1340.58	72.31	62.46	13.03	7.11	29.46	12.58	10.37
6/21/00 18:49	19.82	1340.70	81.32	1340.56	72.30	64.11	13.03	7.11	29.46	12.58	10.37
6/21/00 18:51	19.85	1340.70	81.32	1340.52	72.29	63.03	13.03	7.14	29.47	12.58	10.37
6/21/00 18:52	19.87	1340.70	81.32	1340.51	72.28	63.16	13.04	7.16	29.46	12.57	10.37
6/21/00 18:53	19.88	1340.70	81.32	1340.61	72.26	62.04	13.03	7.11	29.46	12.57	10.37
6/21/00 18:54	19.90	1340.70	81.32	1340.58	72.25	62.90	13.03	7.10	29.46	12.57	10.37
6/21/00 18:55	19.92	1340.72	81.32	1340.58	72.24	61.98	13.04	7.10	29.46	12.57	10.37
6/21/00 18:57	19.95	1340.74	81.32	1340.61	72.23	64.07	13.04	7.09	29.46	12.57	10.37
6/21/00 18:58	19.97	1340.74	81.32	1340.60	72.21	62.59	13.03	7.12	29.46	12.57	10.37
6/21/00 18:59	19.98	1340.74	81.32	1340.65	72.21	62.99	13.04	7.13	29.46	12.57	10.37
6/21/00 19:00	20.00	1340.74	81.32	1340.54	72.23	64.13	13.03	7.14	29.44	12.56	10.37
6/21/00 19:01	20.02	1340.75	81.32	1340.62	72.24	62.06	13.03	7.09	29.43	12.56	10.37
6/21/00 19:03	20.05	1340.75	81.32	1340.63	72.25	62.75	13.04	7.13	29.42	12.56	10.37
6/21/00 19:04	20.07	1340.75	81.32	1340.54	72.27	62.91	13.04	7.10	29.40	12.56	10.37
6/21/00 19:05	20.08	1340.75	81.32	1340.56	72.29	63.12	13.04	7.15	29.39	12.56	10.37
6/21/00 19:06	20.10	1340.75	81.32	1340.55	72.29	62.94	13.03	7.14	29.37	12.56	10.37
6/21/00 19:07	20.12	1340.73	81.32	1340.58	72.30	64.35	13.04	7.12	29.36	12.56	10.37
6/21/00 19:09	20.15	1340.73	81.32	1340.60	72.30	61.34	13.03	7.13	29.36	12.56	10.37
6/21/00 19:10	20.17	1340.72	81.32	1340.59	72.31	63.63	13.04	7.12	29.36	12.56	10.37
6/21/00 19:11	20.18	1340.72	81.32	1340.67	72.29	61.91	13.03	7.16	29.35	12.57	10.37
6/21/00 19:12	20.20	1340.72	81.32	1340.59	72.26	62.54	13.03	7.15	29.35	12.57	10.37
6/21/00 19:13	20.22	1340.72	81.32	1340.57	72.23	62.88	13.04	7.14	29.33	12.56	10.37
6/21/00 19:15	20.25	1340.73	81.32	1340.55	72.20	62.69	13.03	7.11	29.33	12.56	10.37
6/21/00 19:16	20.27	1340.72	81.32	1340.53	72.17	61.56	13.02	7.09	29.35	12.55	10.37
6/21/00 19:17	20.28	1340.72	81.32	1340.50	72.14	62.83	13.02	7.04	29.35	12.55	10.37
6/21/00 19:18	20.30	1340.72	81.32	1340.53	72.14	65.10	13.00	7.00	29.35	12.55	10.37
6/21/00 19:19	20.32	1340.72	81.32	1340.53	72.15	62.26	13.01	7.06	29.35	12.56	10.38
6/21/00 19:21	20.35	1340.72	81.32	1340.51	72.15	62.77	13.04	7.08	29.35	12.57	10.38
6/21/00 19:22	20.37	1340.72	81.32	1340.51	72.15	64.46	13.04	7.08	29.35	12.57	10.38
6/21/00 19:23	20.38	1340.72	81.32	1340.63	72.16	64.44	13.04	7.11	29.35	12.56	10.38
6/21/00 19:24	20.40	1340.72	81.32	1340.66	72.16	63.82	13.03	7.04	29.35	12.55	10.37
6/21/00 19:25	20.42	1340.72	81.32	1340.59	72.17	63.56	13.01	7.07	29.35	12.55	10.37
6/21/00 19:27	20.45	1340.72	81.32	1340.60	72.17	63.02	13.02	7.05	29.35	12.56	10.38
6/21/00 19:28	20.47	1340.72	81.32	1340.63	72.18	63.79	13.02	7.06	29.35	12.55	10.37
6/21/00 19:29	20.48	1340.72	81.32	1340.56	72.20	63.17	13.02	7.05	29.36	12.55	10.37
6/21/00 19:30	20.50	1340.72	81.32	1340.40	72.21	63.19	13.01	7.06	29.36	12.54	10.37
6/21/00 19:31	20.52	1340.72	81.32	1340.46	72.22	63.03	13.02	7.09	29.35	12.55	10.38
6/21/00 19:33	20.55	1340.72	81.32	1340.50	72.23	64.22	13.03	7.09	29.35	12.55	10.38
6/21/00 19:34	20.57	1340.72	81.32	1340.62	72.24	62.43	13.04	7.09	29.36	12.55	10.37
6/21/00 19:35	20.58	1340.72	81.32	1340.63	72.26	64.42	13.04	7.11	29.36	12.56	10.38
6/21/00 19:36	20.60	1340.72	81.32	1340.65	72.27	64.07	13.04	7.12	29.36	12.56	10.38
6/21/00 19:37	20.62	1340.72	81.32	1340.60	72.28	61.91	13.03	7.13	29.36	12.56	10.38
6/21/00 19:39	20.65	1340.72	81.32	1340.63	72.29	63.82	13.04	7.15	29.39	12.55	10.38
6/21/00 19:40	20.67	1340.72	81.32	1340.59	72.30	62.72	13.03	7.09	29.39	12.55	10.38
6/21/00 19:41	20.68	1340.73	81.32	1340.58	72.31	63.01	13.01	7.07	29.39	12.55	10.38
6/21/00 19:42	20.70	1340.73	81.32	1340.63	72.30	64.23	13.01	7.05	29.37	12.55	10.38
6/21/00 19:43	20.72	1340.73	81.32	1340.72	72.30	62.29	13.03	7.08	29.36	12.56	10.38
6/21/00 19:45	20.75	1340.73	81.32	1340.75	72.30	64.78	13.05	7.09	29.39	12.55	10.38
6/21/00 19:46	20.77	1340.73	81.32	1340.69	72.30	63.47	13.04	7.11	29.42	12.54	10.38
6/21/00 19:47	20.78	1340.73	81.32	1340.60	72.28	64.57	13.04	7.05	29.44	12.54	10.38
6/21/00 19:48	20.80	1340.73	81.32	1340.48	72.26	64.84	13.05	7.05	29.46	12.54	10.38
6/21/00 19:49	20.82	1340.73	81.32	1340.62	72.25	62.87	13.03	7.06	29.46	12.54	10.38
6/21/00 19:51	20.85	1340.73	81.32	1340.59	72.23	62.35	13.01	7.05	29.46	12.54	10.37
6/21/00 19:52	20.87	1340.73	81.32	1340.62	72.21	62.83	13.01	7.03	29.43	12.54	10.38
6/21/00 19:53	20.88	1340.73	81.32	1340.61	72.19	64.60	13.04	7.08	29.40	12.54	10.38

6/21/00 19:54	20.90	1340.73	81.32	1340.60	72.18	64.01	13.05	7.12	29.42	12.55	10.39
6/21/00 19:55	20.92	1340.73	81.32	1340.52	72.17	64.59	13.04	7.05	29.46	12.55	10.39
6/21/00 19:57	20.95	1340.73	81.32	1340.53	72.16	63.16	13.01	7.04	29.50	12.54	10.38
6/21/00 19:58	20.97	1340.73	81.32	1340.56	72.16	63.80	13.01	7.06	29.51	12.54	10.38
6/21/00 19:59	20.98	1340.73	81.32	1340.61	72.15	64.02	13.00	7.07	29.53	12.54	10.39
6/21/00 20:00	21.00	1340.73	81.32	1340.72	72.15	64.66	12.99	7.05	29.53	12.54	10.39
6/21/00 20:01	21.02	1340.74	81.32	1340.70	72.16	63.46	12.98	7.03	29.53	12.54	10.39
6/21/00 20:03	21.05	1340.74	81.32	1340.71	72.16	64.40	12.96	7.02	29.55	12.54	10.38
6/21/00 20:04	21.07	1340.74	81.32	1340.72	72.16	65.39	12.95	7.00	29.55	12.54	10.39
6/21/00 20:05	21.08	1340.74	81.32	1340.64	72.16	63.12	12.94	7.00	29.55	12.54	10.39
6/21/00 20:06	21.10	1340.74	81.32	1340.60	72.15	63.57	12.93	7.02	29.57	12.54	10.39
6/21/00 20:07	21.12	1340.74	81.32	1340.60	72.15	64.55	12.93	7.05	29.55	12.54	10.39
6/21/00 20:09	21.15	1340.74	81.32	1340.59	72.14	63.03	12.93	7.05	29.53	12.54	10.39
6/21/00 20:10	21.17	1340.74	81.32	1340.57	72.13	63.31	12.96	7.03	29.48	12.55	10.39
6/21/00 20:11	21.18	1340.74	81.32	1340.59	72.15	64.51	12.99	7.05	29.43	12.55	10.39
6/21/00 20:12	21.20	1340.74	81.32	1340.60	72.17	63.10	13.05	7.10	29.42	12.57	10.40
6/21/00 20:13	21.22	1340.74	81.32	1340.61	72.20	63.35	13.03	7.07	29.43	12.55	10.39
6/21/00 20:15	21.25	1340.74	81.32	1340.62	72.22	63.87	13.03	7.08	29.40	12.55	10.39
6/21/00 20:16	21.27	1340.74	81.31	1340.67	72.25	63.41	13.08	7.07	29.39	12.56	10.40
6/21/00 20:17	21.28	1340.74	81.31	1340.60	72.26	62.43	13.03	7.11	29.39	12.55	10.39
6/21/00 20:18	21.30	1340.74	81.31	1340.60	72.24	62.26	13.03	7.08	29.42	12.54	10.39
6/21/00 20:19	21.32	1340.75	81.31	1340.61	72.23	64.16	13.03	7.09	29.44	12.54	10.39
6/21/00 20:21	21.35	1340.75	81.31	1340.62	72.22	63.14	13.03	7.12	29.39	12.54	10.39
6/21/00 20:22	21.37	1340.75	81.31	1340.64	72.21	61.87	13.03	7.10	29.39	12.54	10.40
6/21/00 20:23	21.38	1340.75	81.31	1340.57	72.21	63.23	13.03	7.11	29.39	12.55	10.40
6/21/00 20:24	21.40	1340.75	81.31	1340.66	72.22	63.43	13.01	7.09	29.39	12.55	10.40
6/21/00 20:25	21.42	1340.75	81.31	1340.62	72.23	62.46	13.01	7.12	29.39	12.55	10.40
6/21/00 20:27	21.45	1340.75	81.30	1340.55	72.24	62.32	13.04	7.12	29.40	12.55	10.40
6/21/00 20:28	21.47	1340.75	81.31	1340.58	72.25	63.27	13.05	7.18	29.39	12.55	10.40
6/21/00 20:29	21.48	1340.76	81.31	1340.55	72.24	64.96	13.05	7.16	29.44	12.54	10.40
6/21/00 20:30	21.50	1340.76	81.31	1340.59	72.22	64.73	12.99	7.07	29.50	12.54	10.40
6/21/00 20:31	21.52	1340.75	81.31	1340.65	72.21	63.38	12.94	7.08	29.50	12.53	10.39
6/21/00 20:33	21.55	1340.76	81.31	1340.71	72.19	63.50	12.91	7.05	29.50	12.54	10.40
6/21/00 20:34	21.57	1340.76	81.31	1340.68	72.18	63.46	12.87	7.06	29.55	12.53	10.40
6/21/00 20:35	21.58	1340.76	81.31	1340.69	72.16	64.60	12.86	7.04	29.51	12.53	10.40
6/21/00 20:36	21.60	1340.76	81.31	1340.58	72.16	63.01	12.90	7.06	29.50	12.54	10.40
6/21/00 20:37	21.62	1340.76	81.31	1340.61	72.15	63.91	12.95	7.07	29.47	12.54	10.40
6/21/00 20:39	21.65	1340.76	81.31	1340.62	72.15	64.40	13.01	7.09	29.46	12.54	10.40
6/21/00 20:40	21.67	1340.76	81.31	1340.47	72.15	62.79	13.06	7.10	29.46	12.54	10.40
6/21/00 20:41	21.68	1340.76	81.31	1340.62	72.15	64.75	13.10	7.11	29.46	12.54	10.40
6/21/00 20:42	21.70	1340.76	81.31	1340.61	72.16	64.66	13.05	7.11	29.46	12.54	10.40
6/21/00 20:43	21.72	1340.76	81.31	1340.56	72.17	63.75	13.06	7.13	29.43	12.54	10.40
6/21/00 20:45	21.75	1340.76	81.31	1340.62	72.18	63.97	13.06	7.11	29.42	12.54	10.40
6/21/00 20:46	21.77	1340.76	81.31	1340.72	72.18	63.03	13.03	7.12	29.42	12.54	10.40
6/21/00 20:47	21.78	1340.76	81.31	1340.66	72.18	63.19	12.95	7.06	29.43	12.55	10.40
6/21/00 20:48	21.80	1340.76	81.31	1340.61	72.17	62.80	12.90	7.04	29.43	12.55	10.41
6/21/00 20:49	21.82	1340.77	81.31	1340.71	72.16	63.16	12.84	7.06	29.47	12.53	10.40
6/21/00 20:51	21.85	1340.77	81.31	1340.70	72.15	62.64	12.82	7.06	29.46	12.54	10.40
6/21/00 20:52	21.87	1340.77	81.31	1340.66	72.14	62.46	12.85	7.08	29.42	12.54	10.40
6/21/00 20:53	21.88	1340.77	81.31	1340.67	72.15	64.01	12.87	7.06	29.42	12.54	10.41
6/21/00 20:54	21.90	1340.77	81.31	1340.65	72.18	64.16	12.88	7.03	29.42	12.55	10.41
6/21/00 20:55	21.92	1340.77	81.31	1340.63	72.21	62.94	12.93	7.09	29.40	12.55	10.41
6/21/00 20:57	21.95	1340.77	81.31	1340.69	72.25	63.20	12.96	7.06	29.42	12.56	10.41
6/21/00 20:58	21.97	1340.77	81.31	1340.60	72.28	63.01	12.92	7.08	29.47	12.54	10.40
6/21/00 20:59	21.98	1340.77	81.31	1340.62	72.28	63.20	12.90	7.03	29.48	12.54	10.40
6/21/00 21:00	22.00	1340.77	81.31	1340.61	72.26	63.71	12.93	7.06	29.47	12.54	10.41
6/21/00 21:01	22.02	1340.77	81.31	1340.62	72.23	64.11	12.96	7.07	29.46	12.54	10.41
6/21/00 21:03	22.05	1340.78	81.30	1340.58	72.21	62.66	12.94	7.07	29.43	12.55	10.41
6/21/00 21:04	22.07	1340.77	81.30	1340.65	72.18	63.38	12.95	7.09	29.43	12.55	10.41
6/21/00 21:05	22.08	1340.78	81.30	1340.56	72.18	63.03	12.96	7.03	29.42	12.55	10.41
6/21/00 21:06	22.10	1340.78	81.30	1340.72	72.21	63.85	12.96	7.03	29.43	12.55	10.41
6/21/00 21:07	22.12	1340.78	81.30	1340.74	72.23	64.23	13.01	7.07	29.53	12.54	10.41
6/21/00 21:09	22.15	1340.78	81.30	1340.64	72.26	64.09	12.90	7.03	29.54	12.54	10.41
6/21/00 21:10	22.17	1340.78	81.30	1340.61	72.28	62.79	12.82	7.06	29.53	12.53	10.40
6/21/00 21:11	22.18	1340.78	81.30	1340.67	72.29	64.18	12.83	7.06	29.48	12.54	10.41
6/21/00 21:12	22.20	1340.78	81.30	1340.66	72.26	64.02	12.86	7.03	29.47	12.54	10.41
6/21/00 21:13	22.22	1340.78	81.30	1340.69	72.24	64.88	12.91	7.05	29.44	12.54	10.41
6/21/00 21:15	22.25	1340.79	81.30	1340.68	72.21	62.98	12.95	7.04	29.44	12.55	10.41
6/21/00 21:16	22.27	1340.79	81.30	1340.67	72.19	63.90	12.94	7.06	29.44	12.54	10.41
6/21/00 21:17	22.28	1340.79	81.30	1340.69	72.18	62.94	12.99	7.06	29.44	12.56	10.42
6/21/00 21:18	22.30	1340.79	81.31	1340.73	72.20	63.52	12.96	7.06	29.50	12.54	10.41
6/21/00 21:19	22.32	1340.79	81.31	1340.75	72.22	63.16	12.91	7.03	29.47	12.54	10.42
6/21/00 21:21	22.35	1340.79	81.31	1340.66	72.23	63.30	12.85	7.03	29.44	12.55	10.41
6/21/00 21:22	22.37	1340.81	81.31	1340.51	72.25	63.47	12.88	7.09	29.46	12.55	10.42
6/21/00 21:23	22.38	1340.82	81.31	1340.67	72.25	63.14	12.89	7.09	29.48	12.56	10.42
6/21/00 21:24	22.40	1340.82	81.31	1340.65	72.24	63.61	12.85	7.09	29.50	12.54	10.42
6/21/00 21:25	22.42	1340.83	81.31	1340.56	72.22	64.23	12.84	7.06	29.50	12.55	10.42
6/21/00 21:27	22.45	1340.84	81.31	1340.69	72.21	63.28	12.89	7.05	29.50	12.54	10.41
6/21/00 21:28	22.47	1340.83	81.31	1340.72	72.19	63.85	12.87	7.03	29.53	12.54	10.42
6/21/00 21:29	22.48	1340.83	81.31	1340.73	72.17	63.23	12.87	7.04	29.58	12.54	10.41
6/21/00 21:30	22.50	1340.83	81.31	1340.71	72.17	62.26	12.82	7.08	29.61	12.53	10.41

6/21/00 21:31	22.52	1340.83	81.31	1340.68	72.17	63.38	12.82	7.02	29.61	12.53	10.41
6/21/00 21:33	22.55	1340.84	81.31	1340.62	72.16	63.06	12.82	7.09	29.58	12.53	10.41
6/21/00 21:34	22.57	1340.84	81.31	1340.66	72.16	62.15	12.82	7.08	29.55	12.54	10.42
6/21/00 21:35	22.58	1340.84	81.31	1340.68	72.17	62.48	12.83	7.07	29.57	12.54	10.42
6/21/00 21:36	22.60	1340.84	81.31	1340.64	72.17	63.05	12.82	7.09	29.58	12.54	10.42
6/21/00 21:37	22.62	1340.84	81.31	1340.66	72.18	63.05	12.82	7.07	29.61	12.54	10.42
6/21/00 21:39	22.65	1340.84	81.31	1340.69	72.19	62.42	12.82	7.02	29.61	12.54	10.42
6/21/00 21:40	22.67	1340.84	81.31	1340.74	72.20	61.27	12.82	7.05	29.58	12.53	10.41
6/21/00 21:41	22.68	1340.84	81.31	1340.65	72.21	63.53	12.82	7.05	29.50	12.55	10.42
6/21/00 21:42	22.70	1340.84	81.31	1340.63	72.22	63.93	12.89	7.05	29.48	12.56	10.42
6/21/00 21:43	22.72	1340.84	81.30	1340.72	72.23	63.78	12.95	7.05	29.46	12.57	10.42
6/21/00 21:45	22.75	1340.84	81.30	1340.64	72.24	63.85	12.97	7.09	29.46	12.58	10.43
6/21/00 21:46	22.77	1340.84	81.30	1340.69	72.25	62.64	13.02	7.05	29.46	12.56	10.43
6/21/00 21:47	22.78	1340.84	81.30	1340.69	72.24	63.03	13.03	7.10	29.47	12.57	10.42
6/21/00 21:48	22.80	1340.84	81.30	1340.68	72.22	64.51	12.97	7.03	29.51	12.55	10.42
6/21/00 21:49	22.82	1340.84	81.30	1340.72	72.20	63.20	12.95	7.11	29.51	12.54	10.42
6/21/00 21:51	22.85	1340.83	81.30	1340.69	72.18	62.29	12.93	7.09	29.48	12.54	10.42
6/21/00 21:52	22.87	1340.83	81.30	1340.76	72.16	63.12	12.98	7.05	29.48	12.55	10.42
6/21/00 21:53	22.88	1340.83	81.30	1340.73	72.17	63.41	12.99	7.11	29.47	12.55	10.42
6/21/00 21:54	22.90	1340.83	81.30	1340.79	72.21	63.85	13.01	7.06	29.47	12.55	10.42
6/21/00 21:55	22.92	1340.83	81.30	1340.75	72.25	63.87	12.99	7.06	29.48	12.54	10.42
6/21/00 21:57	22.95	1340.83	81.30	1340.75	72.29	63.52	12.97	7.05	29.47	12.55	10.42
6/21/00 21:58	22.97	1340.83	81.30	1340.78	72.33	63.72	13.00	7.09	29.47	12.55	10.42
6/21/00 21:59	22.98	1340.83	81.30	1340.66	72.33	62.88	13.03	7.12	29.46	12.56	10.42
6/21/00 22:00	23.00	1340.83	81.30	1340.63	72.28	61.82	13.06	7.12	29.46	12.56	10.43
6/21/00 22:01	23.02	1340.83	81.30	1340.66	72.24	64.33	13.05	7.09	29.46	12.55	10.43
6/21/00 22:03	23.05	1340.83	81.30	1340.64	72.20	63.38	13.04	7.11	29.47	12.54	10.42
6/21/00 22:04	23.07	1340.79	81.30	1340.67	72.16	62.57	13.05	7.09	29.48	12.54	10.42
6/21/00 22:05	23.08	1340.82	81.30	1340.71	72.13	64.01	13.09	7.14	29.46	12.54	10.42
6/21/00 22:06	23.10	1340.82	81.30	1340.69	72.14	63.67	13.03	7.15	29.51	12.55	10.43
6/21/00 22:07	23.12	1340.82	81.30	1340.64	72.15	63.75	12.98	7.12	29.51	12.54	10.42
6/21/00 22:09	23.15	1340.83	81.30	1340.57	72.16	62.97	13.01	7.10	29.50	12.54	10.43
6/21/00 22:10	23.17	1340.83	81.30	1340.62	72.17	63.06	12.99	7.07	29.48	12.54	10.43
6/21/00 22:11	23.18	1340.83	81.30	1340.73	72.19	61.89	12.98	7.09	29.47	12.55	10.43
6/21/00 22:12	23.20	1340.85	81.30	1340.68	72.20	61.89	13.01	7.11	29.48	12.54	10.42
6/21/00 22:13	23.22	1340.86	81.30	1340.78	72.21	63.57	13.02	7.09	29.48	12.54	10.43
6/21/00 22:15	23.25	1340.87	81.30	1340.82	72.22	63.50	13.00	7.12	29.48	12.54	10.43
6/21/00 22:16	23.27	1340.87	81.30	1340.79	72.24	63.28	12.96	7.12	29.51	12.54	10.43
6/21/00 22:17	23.28	1340.87	81.30	1340.74	72.27	63.36	12.97	7.13	29.48	12.55	10.43
6/21/00 22:18	23.30	1340.87	81.30	1340.73	72.29	62.64	13.00	7.11	29.48	12.55	10.43
6/21/00 22:19	23.32	1340.86	81.30	1340.64	72.31	63.72	13.00	7.14	29.50	12.55	10.43
6/21/00 22:21	23.35	1340.86	81.30	1340.65	72.32	62.86	12.95	7.09	29.51	12.54	10.42
6/21/00 22:22	23.37	1340.85	81.30	1340.68	72.34	63.21	12.93	7.10	29.51	12.55	10.43
6/21/00 22:23	23.38	1340.85	81.30	1340.80	72.34	63.98	12.95	7.11	29.48	12.56	10.43
6/21/00 22:24	23.40	1340.85	81.30	1340.76	72.31	62.99	12.96	7.11	29.48	12.56	10.43
6/21/00 22:25	23.42	1340.84	81.30	1340.70	72.28	62.25	12.98	7.10	29.48	12.56	10.43
6/21/00 22:27	23.45	1340.85	81.30	1340.68	72.26	64.24	12.97	7.11	29.48	12.55	10.43
6/21/00 22:28	23.47	1340.85	81.30	1340.65	72.23	62.37	12.97	7.10	29.47	12.55	10.43
6/21/00 22:29	23.48	1340.84	81.30	1340.64	72.19	62.70	12.96	7.11	29.48	12.56	10.43
6/21/00 22:30	23.50	1340.84	81.30	1340.65	72.18	63.17	12.97	7.14	29.47	12.55	10.43
6/21/00 22:31	23.52	1340.84	81.30	1340.73	72.16	63.76	12.99	7.11	29.48	12.56	10.43
6/21/00 22:33	23.55	1340.85	81.30	1340.78	72.15	62.86	13.00	7.14	29.50	12.54	10.43
6/21/00 22:34	23.57	1340.85	81.30	1340.79	72.13	63.06	12.97	7.14	29.51	12.54	10.43
6/21/00 22:35	23.58	1340.84	81.30	1340.63	72.11	63.09	12.96	7.14	29.53	12.54	10.43
6/21/00 22:36	23.60	1340.84	81.30	1340.69	72.09	63.61	12.96	7.08	29.53	12.54	10.43
6/21/00 22:37	23.62	1340.84	81.30	1340.66	72.08	63.38	12.96	7.10	29.51	12.54	10.43
6/21/00 22:39	23.65	1340.85	81.30	1340.65	72.07	63.57	12.96	7.09	29.51	12.55	10.43
6/21/00 22:40	23.67	1340.85	81.30	1340.64	72.06	64.48	12.96	7.10	29.50	12.56	10.44
6/21/00 22:41	23.68	1340.85	81.30	1340.79	72.06	63.01	13.02	7.15	29.50	12.56	10.43
6/21/00 22:42	23.70	1340.85	81.30	1340.83	72.07	63.10	13.05	7.10	29.51	12.56	10.43
6/21/00 22:43	23.72	1340.85	81.30	1340.77	72.09	63.12	13.07	7.14	29.50	12.57	10.44
6/21/00 22:45	23.75	1340.85	81.30	1340.70	72.10	63.43	13.07	7.18	29.51	12.56	10.43
6/21/00 22:46	23.77	1340.85	81.30	1340.71	72.11	63.39	13.05	7.17	29.53	12.55	10.43
6/21/00 22:47	23.78	1340.85	81.30	1340.64	72.14	64.68	13.05	7.11	29.51	12.55	10.43
6/21/00 22:48	23.80	1340.84	81.30	1340.65	72.15	62.84	13.01	7.14	29.53	12.55	10.43
6/21/00 22:49	23.82	1340.85	81.29	1340.73	72.16	63.16	13.02	7.16	29.51	12.55	10.43
6/21/00 22:51	23.85	1340.85	81.29	1340.76	72.17	63.41	13.05	7.18	29.53	12.55	10.43
6/21/00 22:52	23.87	1340.85	81.29	1340.75	72.19	63.35	13.04	7.09	29.53	12.55	10.43
6/21/00 22:53	23.88	1340.85	81.29	1340.86	72.19	63.27	13.00	7.08	29.53	12.55	10.43
6/21/00 22:54	23.90	1340.85	81.29	1340.79	72.19	63.78	12.95	7.09	29.53	12.56	10.43
6/21/00 22:55	23.92	1340.85	81.29	1340.70	72.19	63.25	12.93	7.10	29.53	12.55	10.43
6/21/00 22:57	23.95	1340.85	81.29	1340.66	72.18	63.74	12.97	7.11	29.53	12.56	10.43
6/21/00 22:58	23.97	1340.85	81.29	1340.66	72.18	64.46	12.97	7.11	29.51	12.56	10.43
6/21/00 22:59	23.98	1340.85	81.29	1340.74	72.19	62.17	12.98	7.09	29.53	12.56	10.43
6/21/00 23:00	24.00	1340.85	81.29	1340.74	72.20	64.59	12.99	7.09	29.54	12.56	10.44
6/21/00 23:01	24.02	1340.85	81.29	1340.69	72.21	62.97	13.02	7.08	29.51	12.56	10.43
6/21/00 23:03	24.05	1340.85	81.29	1340.54	72.22	63.53	13.03	7.14	29.53	12.56	10.43
6/21/00 23:04	24.07	1340.85	81.29	1340.60	72.23	63.25	13.05	7.15	29.53	12.56	10.43
6/21/00 23:05	24.08	1340.85	81.29	1340.71	72.23	63.32	13.05	7.10	29.50	12.56	10.43
6/21/00 23:06	24.10	1340.85	81.29	1340.79	72.23	63.32	13.05	7.11	29.50	12.56	10.43
6/21/00 23:07	24.12	1340.85	81.29	1340.77	72.22	62.32	13.05	7.14	29.51	12.56	10.43

6/21/00 23:09	24.15	1340.85	81.29	1340.77	72.22	62.90	13.05	7.13	29.51	12.56	10.43
6/21/00 23:10	24.17	1340.85	81.29	1340.67	72.21	63.71	13.09	7.15	29.51	12.56	10.43
6/21/00 23:11	24.18	1340.75	81.29	1340.72	72.21	63.12	13.08	7.11	29.53	12.55	10.43
6/21/00 23:12	24.20	1340.74	81.29	1340.77	72.22	63.93	13.05	7.14	29.53	12.55	10.43
6/21/00 23:13	24.22	1340.71	81.29	1340.77	72.22	62.98	13.03	7.12	29.51	12.55	10.43
6/21/00 23:15	24.25	1340.68	81.29	1340.74	72.23	63.58	13.01	7.08	29.53	12.55	10.43
6/21/00 23:16	24.27	1340.68	81.29	1340.74	72.24	63.34	13.04	7.11	29.53	12.56	10.43
6/21/00 23:17	24.28	1340.67	81.29	1340.72	72.22	63.05	13.05	7.14	29.53	12.56	10.43
6/21/00 23:18	24.30	1340.66	81.29	1340.69	72.20	63.91	13.01	7.08	29.54	12.55	10.43
6/21/00 23:19	24.32	1340.66	81.29	1340.65	72.18	64.02	12.92	7.05	29.54	12.55	10.43
6/21/00 23:21	24.35	1340.65	81.29	1340.70	72.17	63.28	12.93	7.07	29.53	12.55	10.43
6/21/00 23:22	24.37	1340.65	81.29	1340.68	72.15	63.64	12.93	7.06	29.53	12.55	10.43
6/21/00 23:23	24.38	1340.64	81.29	1340.65	72.13	62.33	12.92	7.08	29.53	12.56	10.43
6/21/00 23:24	24.40	1340.64	81.29	1340.52	72.13	63.72	12.89	7.08	29.53	12.55	10.43
6/21/00 23:25	24.42	1340.64	81.29	1340.64	72.14	63.57	12.92	7.08	29.51	12.56	10.43
6/21/00 23:27	24.45	1340.64	81.29	1340.68	72.14	62.55	12.94	7.08	29.51	12.56	10.43
6/21/00 23:28	24.47	1340.63	81.29	1340.66	72.15	63.23	12.92	7.08	29.51	12.56	10.43
6/21/00 23:29	24.48	1340.63	81.29	1340.76	72.16	63.72	12.91	7.08	29.51	12.56	10.43
6/21/00 23:30	24.50	1340.63	81.29	1340.70	72.18	63.85	12.93	7.11	29.53	12.56	10.43
6/21/00 23:31	24.52	1340.63	81.29	1340.60	72.19	61.92	12.97	7.10	29.53	12.56	10.43
6/21/00 23:33	24.55	1340.62	81.29	1340.58	72.20	64.62	13.03	7.13	29.48	12.57	10.44
6/21/00 23:34	24.57	1340.62	81.29	1340.62	72.21	63.87	13.02	7.14	29.54	12.55	10.43
6/21/00 23:35	24.58	1340.62	81.29	1340.67	72.23	62.54	12.90	7.09	29.55	12.55	10.42
6/21/00 23:36	24.60	1340.62	81.29	1340.73	72.24	63.49	12.84	7.09	29.55	12.55	10.43
6/21/00 23:37	24.62	1340.62	81.29	1340.68	72.25	64.08	12.84	7.09	29.57	12.55	10.42
6/21/00 23:39	24.65	1340.55	80.98	1340.61	72.25	64.05	12.84	7.06	29.57	12.55	10.42
6/21/00 23:40	24.67	1340.46	80.68	1340.63	72.26	64.52	12.85	7.03	29.57	12.55	10.42
6/21/00 23:41	24.68	1340.38	80.37	1340.65	72.25	63.21	12.83	7.08	29.54	12.55	10.42
6/21/00 23:42	24.70	1340.25	80.07	1340.78	72.24	63.69	12.85	7.07	29.53	12.56	10.43
6/21/00 23:43	24.72	1340.28	79.76	1340.70	72.23	63.10	12.95	7.07	29.48	12.57	10.43
6/21/00 23:45	24.75	1342.56	79.86	1340.66	72.22	63.36	13.01	7.11	29.48	12.58	10.43
6/21/00 23:46	24.77	1345.06	80.27	1340.68	72.21	62.46	12.98	7.09	29.51	12.56	10.42
6/21/00 23:47	24.78	1345.20	80.67	1340.71	72.19	62.70	12.91	7.07	29.50	12.56	10.42
6/21/00 23:48	24.80	1345.45	81.07	1340.74	72.17	63.36	12.91	7.05	29.48	12.57	10.43
6/21/00 23:49	24.82	1345.59	81.48	1340.73	72.16	63.41	12.97	7.07	29.48	12.57	10.42
6/21/00 23:51	24.85	1343.95	82.40	1340.74	72.15	63.09	13.01	7.07	29.50	12.56	10.42
6/21/00 23:52	24.87	1343.87	82.92	1340.79	72.14	63.31	12.96	7.08	29.50	12.56	10.42
6/21/00 23:53	24.88	1344.10	83.43	1340.80	72.14	63.79	12.98	7.06	29.50	12.56	10.42
6/21/00 23:54	24.90	1344.25	83.95	1340.79	72.16	63.03	12.99	7.06	29.50	12.56	10.42
6/21/00 23:55	24.92	1344.47	84.47	1340.79	72.18	63.50	13.04	7.13	29.50	12.56	10.43
6/21/00 23:57	24.95	1344.41	85.19	1340.77	72.20	64.04	13.03	7.13	29.54	12.56	10.42
6/21/00 23:58	24.97	1344.46	85.40	1340.76	72.21	63.14	12.93	7.04	29.55	12.55	10.42
6/21/00 23:59	24.98	1344.51	85.61	1340.78	72.19	63.89	12.84	7.06	29.54	12.55	10.42
6/22/00 0:00	25.00	1344.63	85.82	1340.77	72.15	63.38	12.83	7.08	29.54	12.55	10.42
6/22/00 0:01	25.02	1344.80	86.03	1340.77	72.11	63.30	12.84	7.03	29.53	12.55	10.42
6/22/00 0:03	25.05	1344.85	86.25	1340.76	72.07	64.24	12.84	7.08	29.50	12.56	10.42
6/22/00 0:04	25.07	1344.82	86.26	1340.77	72.03	61.44	12.86	7.06	29.53	12.56	10.42
6/22/00 0:05	25.08	1344.81	86.27	1340.81	72.02	62.98	12.85	7.02	29.54	12.55	10.41
6/22/00 0:06	25.10	1344.82	86.28	1340.80	72.04	63.56	12.84	7.03	29.51	12.55	10.41
6/22/00 0:07	25.12	1344.82	86.29	1340.79	72.06	62.92	12.84	7.06	29.48	12.56	10.42
6/22/00 0:09	25.15	1344.84	86.32	1340.78	72.08	62.92	12.87	7.09	29.48	12.56	10.42
6/22/00 0:10	25.17	1344.85	86.34	1340.68	72.10	63.65	12.88	7.07	29.48	12.56	10.42
6/22/00 0:11	25.18	1345.08	86.35	1340.79	72.13	63.36	12.88	7.04	29.47	12.56	10.42
6/22/00 0:12	25.20	1345.10	86.37	1340.78	72.13	64.99	12.90	7.04	29.47	12.56	10.42
6/22/00 0:13	25.22	1345.09	86.39	1340.85	72.13	64.02	12.91	7.04	29.47	12.56	10.42
6/22/00 0:15	25.25	1345.15	86.42	1340.69	72.13	63.64	12.91	7.05	29.47	12.56	10.42
6/22/00 0:16	25.27	1345.22	86.44	1340.65	72.13	64.12	12.93	7.08	29.47	12.56	10.42
6/22/00 0:17	25.28	1345.22	86.45	1340.77	72.15	63.60	12.94	7.11	29.47	12.56	10.42
6/22/00 0:18	25.30	1345.21	86.47	1340.76	72.18	63.32	12.98	7.11	29.47	12.56	10.42
6/22/00 0:19	25.32	1345.21	86.49	1340.78	72.21	61.96	13.01	7.10	29.47	12.56	10.42
6/22/00 0:21	25.35	1344.97	86.50	1340.78	72.23	64.13	12.97	7.09	29.48	12.56	10.42
6/22/00 0:22	25.37	1344.96	86.50	1340.83	72.26	63.45	12.97	7.05	29.50	12.56	10.42
6/22/00 0:23	25.38	1345.03	86.50	1340.83	72.27	63.23	13.01	7.07	29.48	12.57	10.42
6/22/00 0:24	25.40	1345.20	86.50	1340.78	72.26	64.07	13.00	7.10	29.48	12.57	10.42
6/22/00 0:25	25.42	1345.20	86.50	1340.74	72.25	63.68	12.95	7.08	29.50	12.56	10.42
6/22/00 0:27	25.45	1345.20	86.51	1340.77	72.24	64.46	12.92	7.04	29.51	12.56	10.42
6/22/00 0:28	25.47	1345.20	86.51	1340.73	72.23	63.89	12.95	7.05	29.51	12.56	10.42
6/22/00 0:29	25.48	1345.20	86.51	1340.75	72.21	63.31	12.91	7.08	29.51	12.56	10.42
6/22/00 0:30	25.50	1345.19	86.51	1340.78	72.19	64.05	12.86	7.08	29.51	12.56	10.42
6/22/00 0:31	25.52	1345.20	86.51	1340.86	72.17	64.64	12.86	7.09	29.51	12.56	10.42
6/22/00 0:33	25.55	1345.20	86.51	1340.93	72.16	63.58	12.87	7.08	29.50	12.56	10.42
6/22/00 0:34	25.57	1345.20	86.51	1340.92	72.14	63.60	12.86	7.07	29.51	12.56	10.42
6/22/00 0:35	25.58	1345.21	86.51	1340.76	72.12	63.96	12.87	7.03	29.51	12.56	10.42
6/22/00 0:36	25.60	1345.19	86.51	1340.71	72.12	62.76	12.89	7.04	29.51	12.56	10.42
6/22/00 0:37	25.62	1345.19	86.51	1340.78	72.12	63.12	12.93	7.05	29.50	12.56	10.42
6/22/00 0:39	25.65	1345.19	86.51	1340.74	72.12	64.13	12.96	7.09	29.50	12.57	10.42
6/22/00 0:40	25.67	1345.18	86.51	1340.74	72.11	63.20	12.98	7.06	29.51	12.56	10.41
6/22/00 0:41	25.68	1345.19	86.50	1340.78	72.12	63.74	12.96	7.05	29.51	12.57	10.42
6/22/00 0:42	25.70	1345.18	86.50	1340.76	72.13	62.90	12.93	7.06	29.53	12.56	10.41
6/22/00 0:43	25.72	1345.19	86.50	1340.75	72.14	62.31	12.88	7.04	29.51	12.56	10.41
6/22/00 0:45	25.75	1345.19	86.50	1340.80	72.15	64.26	12.87	7.06	29.51	12.56	10.41

6/22/00 0:46	25.77	1345.19	86.50	1340.87	72.16	63.98	12.88	7.08	29.51	12.56	10.41
6/22/00 0:47	25.78	1345.18	86.50	1340.77	72.19	64.16	12.89	7.04	29.50	12.56	10.41
6/22/00 0:48	25.80	1345.19	86.49	1340.75	72.21	62.99	12.90	7.06	29.51	12.56	10.41
6/22/00 0:49	25.82	1345.18	86.49	1340.75	72.22	63.91	12.91	7.06	29.51	12.56	10.41
6/22/00 0:51	25.85	1345.18	86.49	1340.81	72.24	63.97	12.87	7.07	29.53	12.56	10.41
6/22/00 0:52	25.87	1345.19	86.49	1340.83	72.26	65.07	12.85	7.08	29.51	12.56	10.41
6/22/00 0:53	25.88	1345.18	86.49	1340.74	72.26	63.19	12.85	7.03	29.51	12.56	10.41
6/22/00 0:54	25.90	1345.17	86.49	1340.77	72.25	62.90	12.86	7.08	29.50	12.56	10.41
6/22/00 0:55	25.92	1345.19	86.48	1340.74	72.23	63.06	12.86	7.08	29.51	12.56	10.41
6/22/00 0:57	25.95	1345.18	86.48	1340.83	72.22	63.19	12.89	7.04	29.51	12.56	10.41
6/22/00 0:58	25.97	1345.18	86.48	1340.87	72.20	64.05	12.91	7.08	29.50	12.56	10.41
6/22/00 0:59	25.98	1345.18	86.48	1340.80	72.18	64.57	12.89	7.08	29.51	12.56	10.41
6/22/00 1:00	26.00	1345.18	86.48	1340.76	72.17	62.66	12.89	7.04	29.51	12.56	10.41
6/22/00 1:01	26.02	1345.18	86.48	1340.71	72.17	62.29	12.88	7.06	29.51	12.56	10.41
6/22/00 1:03	26.05	1345.18	86.48	1340.77	72.16	62.39	12.89	7.06	29.51	12.56	10.40
6/22/00 1:04	26.07	1345.19	86.48	1340.81	72.15	62.81	12.85	7.02	29.51	12.56	10.40
6/22/00 1:05	26.08	1345.18	86.48	1340.81	72.16	63.28	12.85	7.05	29.53	12.56	10.41
6/22/00 1:06	26.10	1345.18	86.47	1340.80	72.17	64.71	12.84	7.05	29.53	12.56	10.41
6/22/00 1:07	26.12	1345.18	86.47	1340.84	72.18	63.94	12.84	7.07	29.53	12.56	10.40
6/22/00 1:09	26.15	1345.17	86.47	1340.78	72.19	62.42	12.85	7.01	29.53	12.56	10.40
6/22/00 1:10	26.17	1345.18	86.47	1340.73	72.20	62.61	12.84	7.05	29.53	12.56	10.40
6/22/00 1:11	26.18	1345.18	86.47	1340.76	72.23	62.65	12.85	7.04	29.53	12.56	10.40
6/22/00 1:12	26.20	1345.17	86.47	1340.72	72.24	63.32	12.84	7.05	29.54	12.55	10.40
6/22/00 1:13	26.22	1345.17	86.47	1340.74	72.25	62.11	12.84	7.02	29.54	12.55	10.40
6/22/00 1:15	26.25	1345.18	86.47	1340.87	72.26	63.58	12.85	7.02	29.54	12.56	10.40
6/22/00 1:16	26.27	1345.18	86.46	1340.82	72.27	61.92	12.85	7.02	29.54	12.56	10.40
6/22/00 1:17	26.28	1345.18	86.46	1340.77	72.26	62.73	12.84	7.06	29.54	12.56	10.40
6/22/00 1:18	26.30	1345.18	86.46	1340.79	72.23	62.70	12.84	7.03	29.55	12.56	10.40
6/22/00 1:19	26.32	1345.18	86.46	1340.79	72.20	64.81	12.84	7.02	29.55	12.56	10.40
6/22/00 1:21	26.35	1345.18	86.46	1340.70	72.17	62.88	12.84	7.03	29.55	12.56	10.40
6/22/00 1:22	26.37	1345.17	86.46	1340.84	72.14	63.31	12.84	7.01	29.55	12.56	10.40
6/22/00 1:23	26.38	1345.17	86.46	1340.72	72.11	63.80	12.84	7.06	29.55	12.56	10.40
6/22/00 1:24	26.40	1345.17	86.46	1340.73	72.11	62.50	12.84	7.01	29.57	12.55	10.40
6/22/00 1:25	26.42	1345.17	86.46	1340.67	72.11	64.29	12.84	7.03	29.55	12.55	10.40
6/22/00 1:27	26.45	1345.17	86.46	1340.71	72.11	63.32	12.83	7.04	29.55	12.55	10.40
6/22/00 1:28	26.47	1345.18	86.46	1340.73	72.11	64.09	12.84	7.00	29.55	12.55	10.40
6/22/00 1:29	26.48	1345.16	86.46	1340.84	72.11	63.25	12.85	6.99	29.55	12.55	10.40
6/22/00 1:30	26.50	1345.17	86.46	1340.87	72.11	63.57	12.83	7.05	29.55	12.55	10.40
6/22/00 1:31	26.52	1345.17	86.46	1340.83	72.12	63.35	12.83	7.05	29.55	12.55	10.40
6/22/00 1:33	26.55	1345.18	86.46	1340.81	72.12	63.83	12.84	7.00	29.55	12.55	10.40
6/22/00 1:34	26.57	1345.17	86.45	1340.81	72.12	63.52	12.84	7.04	29.55	12.56	10.40
6/22/00 1:35	26.58	1345.17	86.45	1340.89	72.14	63.39	12.83	7.04	29.54	12.56	10.40
6/22/00 1:36	26.60	1345.17	86.45	1340.85	72.15	64.82	12.84	7.00	29.54	12.55	10.40
6/22/00 1:37	26.62	1345.17	86.45	1340.76	72.17	63.02	12.84	7.03	29.54	12.56	10.40
6/22/00 1:39	26.65	1345.18	86.45	1340.70	72.18	63.65	12.84	7.02	29.54	12.56	10.40
6/22/00 1:40	26.67	1345.16	86.45	1340.72	72.20	64.19	12.84	7.03	29.55	12.55	10.40
6/22/00 1:41	26.68	1345.17	86.45	1340.62	72.22	63.20	12.84	7.03	29.55	12.55	10.39
6/22/00 1:42	26.70	1345.16	86.45	1340.69	72.24	62.79	12.83	7.05	29.55	12.55	10.39
6/22/00 1:43	26.72	1345.17	86.45	1340.74	72.25	65.13	12.83	7.01	29.54	12.55	10.39
6/22/00 1:45	26.75	1345.18	86.44	1340.79	72.26	63.76	12.83	7.05	29.54	12.55	10.39
6/22/00 1:46	26.77	1345.17	86.44	1340.79	72.28	62.91	12.84	7.00	29.55	12.55	10.39
6/22/00 1:47	26.78	1345.16	86.44	1340.80	72.27	63.34	12.84	7.03	29.55	12.55	10.39
6/22/00 1:48	26.80	1345.16	86.44	1340.75	72.25	63.46	12.83	7.03	29.55	12.55	10.39
6/22/00 1:49	26.82	1345.16	86.43	1340.74	72.24	64.60	12.83	7.00	29.55	12.55	10.39
6/22/00 1:51	26.85	1345.16	86.43	1340.75	72.22	64.08	12.83	7.00	29.55	12.55	10.39
6/22/00 1:52	26.87	1345.16	86.43	1340.71	72.20	62.79	12.82	7.03	29.55	12.55	10.39
6/22/00 1:53	26.88	1345.16	86.43	1340.79	72.20	62.33	12.84	7.00	29.57	12.55	10.38
6/22/00 1:54	26.90	1345.16	86.43	1340.80	72.21	63.41	12.82	7.01	29.55	12.55	10.38
6/22/00 1:55	26.92	1345.16	86.42	1340.78	72.23	62.66	12.84	6.99	29.55	12.55	10.38
6/22/00 1:57	26.95	1345.16	86.42	1340.76	72.24	63.06	12.83	7.03	29.55	12.55	10.38
6/22/00 1:58	26.97	1345.17	86.42	1340.76	72.25	62.86	12.82	7.04	29.55	12.55	10.38
6/22/00 1:59	26.98	1345.17	86.42	1340.77	72.27	63.85	12.82	7.04	29.55	12.55	10.38
6/22/00 2:00	27.00	1345.16	86.42	1340.67	72.27	64.18	12.83	6.99	29.55	12.55	10.38
6/22/00 2:01	27.02	1345.16	86.42	1340.75	72.27	63.54	12.82	7.05	29.55	12.55	10.38
6/22/00 2:03	27.05	1345.16	86.42	1340.77	72.27	63.54	12.82	7.05	29.55	12.55	10.38
6/22/00 2:04	27.07	1345.15	86.42	1340.83	72.27	64.07	12.82	7.04	29.57	12.55	10.38
6/22/00 2:05	27.08	1345.15	86.41	1340.81	72.24	63.02	12.82	7.04	29.57	12.55	10.38
6/22/00 2:06	27.10	1345.16	86.41	1340.77	72.21	63.68	12.83	7.01	29.57	12.55	10.38
6/22/00 2:07	27.12	1345.15	86.41	1340.67	72.18	64.48	12.83	7.02	29.55	12.55	10.38
6/22/00 2:09	27.15	1345.16	86.41	1340.75	72.15	62.88	12.83	7.01	29.55	12.55	10.38
6/22/00 2:10	27.17	1345.15	86.41	1340.78	72.12	63.43	12.83	6.99	29.55	12.55	10.38
6/22/00 2:11	27.18	1345.15	86.41	1340.75	72.10	62.88	12.83	7.01	29.55	12.55	10.38
6/22/00 2:12	27.20	1345.15	86.40	1340.79	72.10	63.89	12.83	7.00	29.57	12.55	10.38
6/22/00 2:13	27.22	1345.15	86.40	1340.77	72.11	64.49	12.82	7.03	29.57	12.55	10.38
6/22/00 2:15	27.25	1345.14	86.40	1340.73	72.11	63.50	12.83	7.02	29.57	12.55	10.38
6/22/00 2:16	27.27	1345.16	86.40	1340.75	72.12	62.83	12.82	7.04	29.57	12.55	10.38
6/22/00 2:17	27.28	1345.15	86.40	1340.76	72.15	63.65	12.82	7.02	29.55	12.55	10.38
6/22/00 2:18	27.30	1345.15	86.40	1340.74	72.16	64.92	12.82	7.02	29.55	12.55	10.38
6/22/00 2:19	27.32	1345.14	86.40	1340.75	72.18	63.20	12.83	7.04	29.55	12.55	10.38
6/22/00 2:21	27.35	1345.15	86.40	1340.73	72.20	62.36	12.83	7.04	29.55	12.55	10.38
6/22/00 2:22	27.37	1345.14	86.40	1340.70	72.22	64.73	12.83	7.03	29.57	12.55	10.38



6/22/00 2:23	27.38	1345.14	86.40	1340.68	72.22	62.58	12.83	7.02	29.57	12.55	10.38
6/22/00 2:24	27.40	1345.14	86.40	1340.82	72.20	63.01	12.83	7.04	29.57	12.55	10.38
6/22/00 2:25	27.42	1345.14	86.39	1340.77	72.18	62.44	12.83	7.04	29.57	12.55	10.38
6/22/00 2:27	27.45	1345.14	86.39	1340.72	72.16	63.74	12.84	7.00	29.57	12.55	10.38
6/22/00 2:28	27.47	1345.15	86.39	1340.83	72.14	64.23	12.84	7.03	29.57	12.55	10.38
6/22/00 2:29	27.48	1345.14	86.39	1340.83	72.12	63.90	12.84	7.00	29.57	12.55	10.38
6/22/00 2:30	27.50	1345.14	86.39	1340.79	72.13	63.34	12.83	7.05	29.57	12.55	10.38
6/22/00 2:31	27.52	1345.13	86.39	1340.73	72.13	63.86	12.84	7.00	29.57	12.55	10.38
6/22/00 2:33	27.55	1345.13	86.39	1340.70	72.13	64.71	12.83	7.06	29.57	12.55	10.38
6/22/00 2:34	27.57	1345.14	86.38	1340.75	72.13	63.72	12.84	7.01	29.57	12.55	10.38
6/22/00 2:35	27.58	1345.13	86.38	1340.70	72.14	63.41	12.83	7.05	29.57	12.55	10.38
6/22/00 2:36	27.60	1345.14	86.38	1340.69	72.15	63.69	12.83	7.05	29.57	12.55	10.38
6/22/00 2:37	27.62	1345.14	86.38	1340.72	72.16	62.80	12.83	7.05	29.57	12.55	10.38
6/22/00 2:39	27.65	1345.14	86.38	1340.80	72.17	62.80	12.83	7.03	29.58	12.55	10.38
6/22/00 2:40	27.67	1345.13	86.38	1340.79	72.19	64.27	12.83	7.03	29.58	12.55	10.38
6/22/00 2:41	27.68	1345.14	86.38	1340.70	72.20	62.69	12.84	7.00	29.58	12.54	10.38
6/22/00 2:42	27.70	1345.13	86.38	1340.79	72.21	62.61	12.84	7.02	29.58	12.55	10.38
6/22/00 2:43	27.72	1345.13	86.38	1340.82	72.21	62.59	12.83	7.04	29.59	12.54	10.38
6/22/00 2:45	27.75	1345.12	86.37	1340.83	72.22	63.61	12.84	7.00	29.59	12.55	10.38
6/22/00 2:46	27.77	1345.13	86.37	1340.75	72.22	63.53	12.83	7.04	29.58	12.55	10.38
6/22/00 2:47	27.78	1345.13	86.37	1340.73	72.22	63.50	12.83	7.03	29.58	12.54	10.38
6/22/00 2:48	27.80	1345.12	86.37	1340.77	72.21	61.52	12.83	7.02	29.58	12.54	10.38
6/22/00 2:49	27.82	1345.12	86.37	1340.74	72.20	63.46	12.83	7.06	29.58	12.55	10.38
6/22/00 2:51	27.85	1345.12	86.37	1340.69	72.19	64.71	12.83	7.05	29.58	12.54	10.38
6/22/00 2:52	27.87	1345.14	86.37	1340.80	72.18	62.57	12.83	7.05	29.58	12.55	10.38
6/22/00 2:53	27.88	1345.12	86.37	1340.75	72.16	62.95	12.83	7.04	29.58	12.54	10.38
6/22/00 2:54	27.90	1345.12	86.37	1340.77	72.15	63.27	12.82	7.05	29.58	12.54	10.38
6/22/00 2:55	27.92	1345.12	86.36	1340.72	72.15	63.63	12.83	7.05	29.59	12.54	10.38
6/22/00 2:57	27.95	1345.12	86.36	1340.67	72.14	64.31	12.83	7.01	29.59	12.54	10.38
6/22/00 2:58	27.97	1345.12	86.36	1340.71	72.13	63.52	12.83	7.05	29.61	12.54	10.38
6/22/00 2:59	27.98	1345.13	86.36	1340.78	72.13	63.39	12.84	7.01	29.61	12.55	10.38
6/22/00 3:00	28.00	1345.12	86.36	1340.89	72.14	63.54	12.83	7.04	29.61	12.55	10.38
6/22/00 3:01	28.02	1345.13	86.36	1340.75	72.15	63.89	12.82	7.06	29.59	12.55	10.39
6/22/00 3:03	28.05	1345.12	86.36	1340.61	72.16	63.52	12.83	7.01	29.59	12.55	10.39
6/22/00 3:04	28.07	1345.12	86.36	1340.73	72.17	63.56	12.82	7.05	29.59	12.54	10.39
6/22/00 3:05	28.08	1345.12	86.35	1340.74	72.17	63.41	12.84	7.03	29.61	12.55	10.39
6/22/00 3:06	28.10	1345.13	86.35	1340.68	72.17	63.13	12.83	7.06	29.61	12.55	10.39
6/22/00 3:07	28.12	1345.12	86.35	1340.79	72.16	63.75	12.83	7.01	29.61	12.55	10.39
6/22/00 3:09	28.15	1345.12	86.35	1340.81	72.15	63.42	12.82	7.06	29.61	12.55	10.39
6/22/00 3:10	28.17	1345.11	86.35	1340.74	72.15	63.06	12.82	7.04	29.61	12.54	10.39
6/22/00 3:11	28.18	1345.12	86.35	1340.68	72.13	62.69	12.83	7.04	29.61	12.54	10.39
6/22/00 3:12	28.20	1345.11	86.34	1340.67	72.12	64.93	12.82	7.06	29.61	12.55	10.39
6/22/00 3:13	28.22	1345.11	86.34	1340.74	72.10	62.88	12.83	7.01	29.61	12.54	10.39
6/22/00 3:15	28.25	1345.11	86.34	1340.78	72.09	62.25	12.82	7.05	29.61	12.54	10.39
6/22/00 3:16	28.27	1345.11	86.34	1340.81	72.08	65.18	12.82	7.03	29.61	12.54	10.39
6/22/00 3:17	28.28	1345.11	86.34	1340.73	72.09	63.80	12.82	7.04	29.61	12.54	10.39
6/22/00 3:18	28.30	1345.10	86.34	1340.73	72.11	65.32	12.83	7.02	29.61	12.54	10.39
6/22/00 3:19	28.32	1345.11	86.34	1340.69	72.13	63.23	12.83	7.06	29.61	12.54	10.39
6/22/00 3:21	28.35	1345.11	86.34	1340.64	72.15	64.95	12.83	7.02	29.61	12.54	10.39
6/22/00 3:22	28.37	1345.10	86.33	1340.75	72.17	62.68	12.83	7.04	29.62	12.54	10.39
6/22/00 3:23	28.38	1345.11	86.33	1340.71	72.18	63.43	12.84	7.03	29.62	12.54	10.39
6/22/00 3:24	28.40	1345.10	86.33	1340.77	72.17	63.08	12.83	7.02	29.62	12.54	10.39
6/22/00 3:25	28.42	1345.11	86.33	1340.73	72.15	62.84	12.83	7.02	29.62	12.54	10.39
6/22/00 3:27	28.45	1345.11	86.33	1340.68	72.13	63.06	12.83	7.06	29.62	12.54	10.39
6/22/00 3:28	28.47	1345.11	86.33	1340.73	72.12	64.15	12.83	7.02	29.62	12.54	10.39
6/22/00 3:29	28.48	1345.10	86.33	1340.71	72.11	62.87	12.83	7.07	29.62	12.54	10.39
6/22/00 3:30	28.50	1345.11	86.33	1340.69	72.11	63.34	12.82	7.06	29.62	12.54	10.39
6/22/00 3:31	28.52	1345.11	86.33	1340.66	72.11	63.14	12.83	7.03	29.62	12.54	10.39
6/22/00 3:33	28.55	1345.11	86.32	1340.74	72.12	62.40	12.83	7.05	29.62	12.54	10.39
6/22/00 3:34	28.57	1345.11	86.32	1340.73	72.12	63.76	12.82	7.04	29.63	12.54	10.39
6/22/00 3:35	28.58	1345.10	86.32	1340.77	72.13	63.31	12.82	7.06	29.63	12.54	10.39
6/22/00 3:36	28.60	1345.10	86.32	1340.74	72.14	62.92	12.82	7.06	29.62	12.54	10.39
6/22/00 3:37	28.62	1345.10	86.32	1340.72	72.14	61.81	12.83	7.06	29.63	12.54	10.39
6/22/00 3:39	28.65	1345.10	86.32	1340.74	72.15	64.11	12.82	7.06	29.63	12.54	10.39
6/22/00 3:40	28.67	1345.10	86.32	1340.70	72.15	62.99	12.82	7.04	29.63	12.54	10.39
6/22/00 3:41	28.68	1345.09	86.32	1340.69	72.15	64.24	12.83	7.04	29.63	12.54	10.39
6/22/00 3:42	28.70	1345.10	86.32	1340.68	72.13	62.76	12.83	7.02	29.63	12.54	10.39
6/22/00 3:43	28.72	1345.10	86.32	1340.62	72.12	63.96	12.82	7.04	29.63	12.54	10.40
6/22/00 3:45	28.75	1345.10	86.32	1340.62	72.10	63.53	12.82	7.07	29.63	12.54	10.40
6/22/00 3:46	28.77	1345.09	86.32	1340.63	72.09	63.10	12.83	7.06	29.63	12.54	10.40
6/22/00 3:47	28.78	1345.10	86.32	1340.75	72.07	63.69	12.83	7.05	29.63	12.54	10.40
6/22/00 3:48	28.80	1345.09	86.32	1340.77	72.07	61.52	12.83	7.03	29.63	12.54	10.40
6/22/00 3:49	28.82	1345.10	86.32	1340.79	72.07	63.74	12.83	7.06	29.65	12.55	10.40
6/22/00 3:51	28.85	1345.11	86.32	1340.79	72.07	63.12	12.83	7.02	29.63	12.54	10.40
6/22/00 3:52	28.87	1345.10	86.32	1340.79	72.07	62.87	12.82	7.07	29.63	12.55	10.40
6/22/00 3:53	28.88	1345.10	86.32	1340.72	72.07	62.92	12.83	7.03	29.65	12.54	10.40
6/22/00 3:54	28.90	1345.11	86.32	1340.66	72.08	63.16	12.83	7.02	29.65	12.55	10.40
6/22/00 3:55	28.92	1345.10	86.32	1340.74	72.09	63.46	12.83	7.02	29.65	12.55	10.40
6/22/00 3:57	28.95	1345.10	86.32	1340.67	72.09	63.39	12.82	7.07	29.65	12.54	10.40
6/22/00 3:58	28.97	1345.10	86.32	1340.66	72.10	63.58	12.83	7.03	29.65	12.55	10.40
6/22/00 3:59	28.98	1345.09	86.32	1340.70	72.10	63.45	12.82	7.05	29.65	12.55	10.40

6/22/00 4:00	29.00	1345.09	86.32	1340.79	72.09	62.81	12.83	7.04	29.65	12.55	10.40
6/22/00 4:01	29.02	1345.08	86.32	1340.68	72.08	63.54	12.83	7.03	29.65	12.55	10.40
6/22/00 4:03	29.05	1345.09	86.32	1340.71	72.07	65.19	12.83	7.03	29.65	12.55	10.40
6/22/00 4:04	29.07	1345.09	86.32	1340.71	72.06	62.51	12.83	7.04	29.65	12.55	10.40
6/22/00 4:05	29.08	1345.09	86.32	1340.76	72.05	63.56	12.82	7.06	29.66	12.55	10.40
6/22/00 4:06	29.10	1345.08	86.32	1340.80	72.05	64.46	12.83	7.03	29.65	12.55	10.40
6/22/00 4:07	29.12	1345.10	86.32	1340.73	72.06	64.55	12.82	7.06	29.65	12.55	10.40
6/22/00 4:09	29.15	1345.09	86.32	1340.64	72.06	63.09	12.83	7.06	29.66	12.55	10.40
6/22/00 4:10	29.17	1345.09	86.32	1340.46	72.06	64.07	12.82	7.07	29.66	12.55	10.40
6/22/00 4:11	29.18	1345.09	86.32	1340.75	72.09	62.51	12.83	7.06	29.66	12.55	10.40
6/22/00 4:12	29.20	1345.09	86.31	1340.73	72.12	63.54	12.82	7.07	29.66	12.55	10.40
6/22/00 4:13	29.22	1345.09	86.31	1340.70	72.15	63.98	12.83	7.03	29.66	12.55	10.41
6/22/00 4:15	29.25	1345.09	86.31	1340.70	72.17	63.68	12.83	7.04	29.66	12.55	10.40
6/22/00 4:16	29.27	1345.09	86.31	1340.62	72.20	63.65	12.82	7.07	29.66	12.55	10.41
6/22/00 4:17	29.28	1345.08	86.31	1340.75	72.21	62.26	12.83	7.08	29.66	12.55	10.40
6/22/00 4:18	29.30	1345.07	86.31	1340.68	72.19	63.06	12.83	7.06	29.66	12.55	10.41
6/22/00 4:19	29.32	1345.08	86.31	1340.66	72.17	62.54	12.83	7.04	29.66	12.55	10.41
6/22/00 4:21	29.35	1345.08	86.31	1340.70	72.16	62.70	12.83	7.05	29.65	12.55	10.41
6/22/00 4:22	29.37	1345.08	86.31	1340.79	72.14	63.74	12.82	7.08	29.65	12.55	10.41
6/22/00 4:23	29.38	1345.08	86.30	1340.66	72.14	64.30	12.83	7.05	29.66	12.55	10.41
6/22/00 4:24	29.40	1345.09	86.30	1340.63	72.15	62.59	12.82	7.08	29.66	12.55	10.41
6/22/00 4:25	29.42	1345.08	86.30	1340.56	72.16	62.61	12.83	7.06	29.66	12.55	10.41
6/22/00 4:27	29.45	1345.08	86.30	1340.62	72.17	63.01	12.83	7.06	29.66	12.55	10.41
6/22/00 4:28	29.47	1345.09	86.30	1340.78	72.19	63.49	12.83	7.03	29.66	12.55	10.41
6/22/00 4:29	29.48	1345.09	86.30	1340.66	72.18	63.86	12.83	7.03	29.66	12.55	10.41
6/22/00 4:30	29.50	1345.08	86.29	1340.68	72.17	64.40	12.82	7.08	29.66	12.55	10.41
6/22/00 4:31	29.52	1345.08	86.29	1340.73	72.15	63.61	12.83	7.08	29.66	12.56	10.41
6/22/00 4:33	29.55	1345.08	86.29	1340.66	72.14	63.42	12.83	7.08	29.66	12.55	10.42
6/22/00 4:34	29.57	1345.08	86.29	1340.63	72.12	63.54	12.83	7.08	29.66	12.56	10.42
6/22/00 4:35	29.58	1345.08	86.29	1340.75	72.11	62.80	12.84	7.05	29.66	12.56	10.42
6/22/00 4:36	29.60	1345.07	86.29	1340.69	72.12	64.11	12.83	7.08	29.66	12.55	10.42
6/22/00 4:37	29.62	1345.07	86.29	1340.71	72.12	60.17	12.83	7.06	29.66	12.55	10.42
6/22/00 4:39	29.65	1345.08	86.29	1340.74	72.12	59.80	12.83	7.06	29.66	12.56	10.42
6/22/00 4:40	29.67	1345.06	86.29	1340.72	72.12	58.12	12.83	7.06	29.66	12.55	10.42
6/22/00 4:41	29.68	1345.07	86.29	1340.74	72.11	56.42	12.83	7.06	29.66	12.55	10.42
6/22/00 4:42	29.70	1345.07	86.29	1340.69	72.10	57.27	12.83	7.06	29.65	12.56	10.42
6/22/00 4:43	29.72	1345.08	86.29	1340.55	72.09	49.38	12.83	7.06	29.62	12.56	10.42
6/22/00 4:45	29.75	1345.08	86.29	1340.65	72.07	46.72	12.83	7.07	29.62	12.55	10.42
6/22/00 4:46	29.77	1345.08	86.29	1340.68	72.06	20.70	12.83	7.06	29.55	12.56	10.42
6/22/00 4:47	29.78	1345.07	86.29	1340.69	72.04	32.65	12.83	7.07	29.55	12.56	10.42
6/22/00 4:48	29.80	1345.07	86.29	1340.68	72.03	32.91	12.83	7.07	29.55	12.56	10.42
6/22/00 4:49	29.82	1345.08	86.28	1340.58	72.03	32.88	12.83	7.07	29.55	12.56	10.42
6/22/00 4:51	29.85	1345.07	86.28	1340.55	72.02	32.86	12.83	7.07	29.55	12.56	10.42
6/22/00 4:52	29.87	1345.07	86.28	1340.67	72.02	32.84	12.83	7.07	29.55	12.56	10.42
6/22/00 4:53	29.88	1345.07	86.28	1340.77	72.02	32.84	12.83	7.07	29.55	12.56	10.42
6/22/00 4:54	29.90	1345.06	86.28	1340.78	72.02	32.84	12.83	7.07	29.59	12.56	10.42
6/22/00 4:55	29.92	1345.07	86.28	1340.78	72.03	32.94	12.83	7.07	29.59	12.56	10.42
6/22/00 4:57	29.95	1345.07	86.28	1340.79	72.04	32.95	12.83	7.07	29.61	12.56	10.42
6/22/00 4:58	29.97	1345.07	86.28	1340.70	72.05	32.95	12.83	7.07	29.61	12.56	10.42
6/22/00 4:59	29.98	1345.06	86.28	1340.68	72.05	32.94	12.83	7.07	29.59	12.56	10.42
6/22/00 5:00	30.00	1345.07	86.28	1340.55	72.05	32.82	12.83	7.07	29.55	12.56	10.42
6/22/00 5:01	30.02	1345.07	86.28	1340.59	72.04	32.82	12.83	7.07	29.55	12.56	10.42
6/22/00 5:03	30.05	1345.06	86.28	1340.61	72.04	32.80	12.83	7.07	29.55	12.56	10.42
6/22/00 5:04	30.07	1345.06	86.27	1340.59	72.04	32.79	12.83	7.07	29.54	12.56	10.42
6/22/00 5:05	30.08	1345.07	86.27	1340.69	72.04	32.79	12.83	7.07	29.54	12.56	10.42
6/22/00 5:06	30.10	1345.07	86.27	1340.74	72.04	32.77	12.83	7.07	29.55	12.56	10.42
6/22/00 5:07	30.12	1345.06	86.27	1340.76	72.04	32.77	12.83	7.07	29.54	12.56	10.42
6/22/00 5:09	30.15	1345.07	86.27	1340.77	72.04	32.77	12.83	7.07	29.55	12.56	10.42
6/22/00 5:10	30.17	1345.07	86.27	1340.74	72.05	32.77	12.83	7.07	29.54	12.56	10.42
6/22/00 5:11	30.18	1345.07	86.27	1340.66	72.06	32.75	12.83	7.08	29.54	12.56	10.42
6/22/00 5:12	30.20	1345.07	86.27	1340.71	72.07	32.76	12.83	7.08	29.54	12.56	10.42
6/22/00 5:13	30.22	1345.07	86.28	1340.73	72.08	32.76	12.83	7.08	29.53	12.56	10.42
6/22/00 5:15	30.25	1345.06	86.28	1340.64	72.10	32.76	12.83	7.08	29.53	12.56	10.42
6/22/00 5:16	30.27	1345.06	86.27	1340.63	72.11	32.76	12.83	7.08	29.53	12.56	10.42
6/22/00 5:17	30.28	1345.06	86.27	1340.60	72.12	32.75	12.83	7.08	29.53	12.56	10.43
6/22/00 5:18	30.30	1345.06	86.27	1340.65	72.12	32.75	12.83	7.08	29.53	12.56	10.42
6/22/00 5:19	30.32	1345.06	86.27	1340.69	72.12	32.73	12.84	7.08	29.53	12.56	10.43
6/22/00 5:21	30.35	1345.06	86.27	1340.69	72.11	32.72	12.84	7.08	29.53	12.57	10.43
6/22/00 5:22	30.37	1345.06	86.27	1340.64	72.11	32.72	12.84	7.08	29.51	12.56	10.43
6/22/00 5:23	30.38	1345.05	86.27	1340.62	72.10	32.72	12.84	7.08	29.53	12.57	10.43
6/22/00 5:24	30.40	1345.06	86.27	1340.66	72.09	32.73	12.84	7.08	29.53	12.57	10.43
6/22/00 5:25	30.42	1345.05	86.26	1340.56	72.09	32.72	12.84	7.08	29.53	12.56	10.43
6/22/00 5:27	30.45	1345.06	86.26	1340.62	72.08	32.72	12.84	7.08	29.53	12.57	10.43
6/22/00 5:28	30.47	1345.06	86.26	1340.66	72.07	32.72	12.84	7.08	29.53	12.57	10.43
6/22/00 5:29	30.48	1345.06	86.26	1340.57	72.08	32.71	12.84	7.08	29.54	12.57	10.43
6/22/00 5:30	30.50	1345.07	86.26	1340.57	72.10	32.71	12.84	7.08	29.54	12.57	10.43
6/22/00 5:31	30.52	1345.06	86.26	1340.66	72.12	32.71	12.84	7.08	29.54	12.57	10.43
6/22/00 5:33	30.55	1345.06	86.26	1340.68	72.14	32.71	12.84	7.08	29.54	12.57	10.43
6/22/00 5:34	30.57	1345.06	86.26	1340.58	72.15	32.69	12.84	7.08	29.54	12.57	10.43
6/22/00 5:35	30.58	1345.06	86.26	1340.71	72.16	32.69	12.84	7.08	29.54	12.57	10.43
6/22/00 5:36	30.60	1345.14	86.26	1340.72	72.14	32.69	12.84	7.08	29.54	12.57	10.43

6/22/00 5:37	30.62	1345.21	86.26	1340.72	72.13	32.68	12.84	7.08	29.54	12.57	10.43
6/22/00 5:39	30.65	1345.21	86.25	1340.75	72.12	32.68	12.84	7.08	29.54	12.57	10.43
6/22/00 5:40	30.67	1345.18	86.25	1340.72	72.10	32.68	12.84	7.08	29.54	12.57	10.43
6/22/00 5:41	30.68	1345.18	86.25	1340.66	72.09	32.66	12.84	7.08	29.53	12.57	10.43
6/22/00 5:42	30.70	1345.17	86.25	1340.66	72.09	32.66	12.84	7.08	29.54	12.57	10.43
6/22/00 5:43	30.72	1345.18	86.25	1340.67	72.10	32.66	12.84	7.08	29.53	12.57	10.43
6/22/00 5:45	30.75	1345.17	86.24	1340.79	72.10	32.66	12.84	7.09	29.53	12.57	10.43
6/22/00 5:46	30.77	1345.16	86.24	1340.71	72.10	32.65	12.84	7.08	29.53	12.57	10.43
6/22/00 5:47	30.78	1345.15	86.24	1340.68	72.10	32.64	12.84	7.08	29.53	12.57	10.43
6/22/00 5:48	30.80	1345.15	86.24	1340.54	72.10	32.65	12.84	7.08	29.53	12.57	10.43
6/22/00 5:49	30.82	1345.14	86.24	1340.61	72.10	32.64	12.84	7.08	29.53	12.57	10.43
6/22/00 5:51	30.85	1345.13	86.24	1340.72	72.11	32.64	12.83	7.08	29.54	12.57	10.43
6/22/00 5:52	30.87	1345.13	86.24	1340.66	72.11	32.64	12.83	7.08	29.53	12.57	10.43
6/22/00 5:53	30.88	1345.13	86.24	1340.63	72.11	32.62	12.83	7.08	29.53	12.57	10.43
6/22/00 5:54	30.90	1345.12	86.23	1340.66	72.11	32.62	12.83	7.08	29.53	12.57	10.43
6/22/00 5:55	30.92	1345.12	86.23	1340.68	72.11	32.62	12.83	7.08	29.53	12.57	10.43
6/22/00 5:57	30.95	1345.13	86.23	1340.69	72.11	32.61	12.83	7.08	29.53	12.57	10.43
6/22/00 5:58	30.97	1345.12	86.23	1340.68	72.11	32.62	12.83	7.08	29.53	12.57	10.43
6/22/00 5:59	30.98	1345.12	86.23	1340.67	72.11	32.61	12.83	7.08	29.53	12.57	10.43
6/22/00 6:00	31.00	1345.12	86.23	1340.66	72.11	32.61	12.83	7.08	29.53	12.57	10.43
6/22/00 6:01	31.02	1345.13	86.23	1340.70	72.11	32.61	12.83	7.08	29.53	12.57	10.43
6/22/00 6:03	31.05	1345.12	86.23	1340.68	72.12	32.60	12.84	7.08	29.53	12.58	10.43
6/22/00 6:04	31.07	1345.12	86.23	1340.48	72.12	32.58	12.84	7.08	29.53	12.58	10.43
6/22/00 6:05	31.08	1345.06	86.23	1340.68	72.13	32.58	12.84	7.09	29.53	12.58	10.43
6/22/00 6:06	31.10	1345.12	86.23	1340.54	72.14	32.58	12.84	7.09	29.53	12.58	10.43
6/22/00 6:07	31.12	1345.12	86.22	1340.74	72.15	32.58	12.84	7.09	29.53	12.58	10.43
6/22/00 6:09	31.15	1345.11	86.22	1340.74	72.15	32.57	12.85	7.09	29.51	12.58	10.43
6/22/00 6:10	31.17	1345.12	86.22	1340.63	72.16	32.57	12.85	7.09	29.51	12.58	10.43
6/22/00 6:11	31.18	1345.10	86.22	1340.66	72.16	32.57	12.86	7.09	29.51	12.58	10.43
6/22/00 6:12	31.20	1345.10	86.22	1340.71	72.15	32.57	12.86	7.09	29.51	12.58	10.43
6/22/00 6:13	31.22	1345.11	86.22	1340.74	72.15	32.55	12.86	7.09	29.50	12.58	10.43
6/22/00 6:15	31.25	1345.11	86.22	1340.73	72.14	32.55	12.85	7.09	29.51	12.58	10.43
6/22/00 6:16	31.27	1345.12	86.22	1340.64	72.13	32.55	12.85	7.09	29.50	12.58	10.43
6/22/00 6:17	31.28	1345.12	86.22	1340.67	72.13	32.54	12.85	7.09	29.51	12.58	10.43
6/22/00 6:18	31.30	1345.11	86.21	1340.54	72.13	32.54	12.85	7.09	29.50	12.58	10.43
6/22/00 6:19	31.32	1345.11	86.21	1340.62	72.14	32.55	12.85	7.09	29.50	12.58	10.43
6/22/00 6:21	31.35	1345.12	86.21	1340.69	72.14	32.54	12.86	7.09	29.50	12.58	10.43
6/22/00 6:22	31.37	1345.12	86.21	1340.68	72.15	32.53	12.86	7.09	29.48	12.58	10.43
6/22/00 6:23	31.38	1345.11	86.21	1340.68	72.15	32.51	12.86	7.09	29.48	12.58	10.43
6/22/00 6:24	31.40	1345.12	86.21	1340.65	72.15	32.51	12.86	7.09	29.47	12.58	10.43
6/22/00 6:25	31.42	1345.12	86.21	1340.66	72.15	32.51	12.86	7.09	29.47	12.58	10.43
6/22/00 6:27	31.45	1345.12	86.21	1340.67	72.15	32.50	12.86	7.09	29.47	12.58	10.43
6/22/00 6:28	31.47	1345.12	86.21	1340.66	72.15	32.51	12.86	7.09	29.46	12.58	10.43
6/22/00 6:29	31.48	1345.11	86.21	1340.69	72.16	32.50	12.86	7.09	29.46	12.58	10.43
6/22/00 6:30	31.50	1345.11	86.21	1340.70	72.17	32.50	12.86	7.09	29.47	12.58	10.43
6/22/00 6:31	31.52	1345.12	86.21	1340.71	72.18	32.47	12.86	7.09	29.46	12.58	10.43
6/22/00 6:33	31.55	1345.12	86.20	1340.71	72.19	32.49	12.86	7.09	29.46	12.58	10.43
6/22/00 6:34	31.57	1345.12	86.20	1340.68	72.20	32.47	12.86	7.09	29.46	12.58	10.43
6/22/00 6:35	31.58	1345.13	86.20	1340.71	72.21	32.47	12.86	7.10	29.44	12.58	10.43
6/22/00 6:36	31.60	1345.13	86.21	1340.69	72.20	32.47	12.86	7.10	29.44	12.58	10.42
6/22/00 6:37	31.62	1345.12	86.21	1340.68	72.19	32.47	12.86	7.10	29.44	12.58	10.42
6/22/00 6:39	31.65	1345.12	86.21	1340.65	72.19	32.46	12.86	7.09	29.44	12.58	10.42
6/22/00 6:40	31.67	1345.12	86.21	1340.55	72.18	32.44	12.85	7.09	29.44	12.58	10.42
6/22/00 6:41	31.68	1345.12	86.21	1340.64	72.17	32.44	12.85	7.09	29.43	12.58	10.42
6/22/00 6:42	31.70	1345.12	86.21	1340.70	72.16	32.44	12.85	7.09	29.43	12.58	10.42
6/22/00 6:43	31.72	1345.13	86.21	1340.77	72.15	32.43	12.85	7.09	29.42	12.58	10.42
6/22/00 6:45	31.75	1345.13	86.21	1340.74	72.14	32.44	12.85	7.09	29.42	12.58	10.42
6/22/00 6:46	31.77	1345.13	86.21	1340.77	72.13	32.43	12.85	7.09	29.42	12.58	10.42
6/22/00 6:47	31.78	1345.13	86.21	1340.50	72.12	32.42	12.85	7.09	29.40	12.58	10.42
6/22/00 6:48	31.80	1345.13	86.21	1340.60	72.12	32.42	12.85	7.09	29.42	12.58	10.42
6/22/00 6:49	31.82	1345.13	86.21	1340.64	72.12	32.42	12.85	7.09	29.42	12.58	10.42
6/22/00 6:51	31.85	1345.14	86.21	1340.66	72.12	32.42	12.85	7.09	29.42	12.58	10.42
6/22/00 6:52	31.87	1345.13	86.21	1340.72	72.12	32.40	12.85	7.09	29.43	12.58	10.42
6/22/00 6:53	31.88	1345.14	86.21	1340.65	72.12	32.40	12.85	7.09	29.42	12.58	10.42
6/22/00 6:54	31.90	1345.14	86.21	1340.69	72.11	32.39	12.85	7.09	29.43	12.58	10.42
6/22/00 6:55	31.92	1345.13	86.21	1340.69	72.11	32.39	12.85	7.09	29.43	12.58	10.42
6/22/00 6:57	31.95	1345.13	86.21	1340.67	72.11	32.38	12.85	7.09	29.43	12.58	10.42
6/22/00 6:58	31.97	1345.13	86.21	1340.71	72.10	32.38	12.85	7.09	29.43	12.58	10.42
6/22/00 6:59	31.98	1345.13	86.21	1340.65	72.10	32.38	12.85	7.09	29.43	12.58	10.42
6/22/00 7:00	32.00	1345.15	86.21	1340.57	72.11	32.38	12.85	7.09	29.43	12.58	10.42
6/22/00 7:01	32.02	1345.15	86.21	1340.58	72.12	32.36	12.85	7.09	29.42	12.58	10.42
6/22/00 7:03	32.05	1345.16	86.21	1340.63	72.12	32.36	12.85	7.09	29.42	12.58	10.42
6/22/00 7:04	32.07	1345.16	86.21	1340.68	72.13	32.35	12.85	7.09	29.40	12.58	10.42
6/22/00 7:05	32.08	1345.16	86.21	1340.71	72.13	32.35	12.85	7.09	29.40	12.58	10.42
6/22/00 7:06	32.10	1345.15	86.21	1340.64	72.13	32.35	12.85	7.09	29.39	12.58	10.42
6/22/00 7:07	32.12	1345.16	86.21	1340.63	72.13	32.33	12.85	7.09	29.39	12.58	10.42
6/22/00 7:09	32.15	1345.17	86.21	1340.58	72.12	32.33	12.85	7.09	29.39	12.58	10.42
6/22/00 7:10	32.17	1345.16	86.21	1340.63	72.12	32.33	12.85	7.09	29.39	12.58	10.41
6/22/00 7:11	32.18	1345.17	86.21	1340.70	72.12	32.32	12.85	7.09	29.39	12.58	10.42
6/22/00 7:12	32.20	1345.16	86.21	1340.77	72.12	32.32	12.85	7.09	29.40	12.58	10.41
6/22/00 7:13	32.22	1345.16	86.21	1340.68	72.12	32.33	12.85	7.09	29.40	12.58	10.41

6/22/00 7:15	32.25	1345.17	86.21	1340.61	72.12	32.32	12.85	7.09	29.40	12.58	10.41
6/22/00 7:16	32.27	1345.16	86.21	1340.60	72.12	32.31	12.85	7.09	29.39	12.58	10.41
6/22/00 7:17	32.28	1345.16	86.21	1340.64	72.14	32.31	12.85	7.08	29.39	12.58	10.41
6/22/00 7:18	32.30	1345.16	86.22	1340.63	72.15	32.29	12.85	7.09	29.37	12.58	10.41
6/22/00 7:19	32.32	1345.16	86.22	1340.59	72.16	32.29	12.85	7.08	29.37	12.58	10.41
6/22/00 7:21	32.35	1345.17	86.22	1340.60	72.17	32.29	12.85	7.08	29.36	12.58	10.41
6/22/00 7:22	32.37	1345.18	86.22	1340.72	72.18	32.29	12.85	7.08	29.36	12.58	10.41
6/22/00 7:23	32.38	1345.16	86.22	1340.70	72.16	32.28	12.85	7.08	29.36	12.58	10.41
6/22/00 7:24	32.40	1345.17	86.22	1340.65	72.13	32.28	12.85	7.08	29.36	12.58	10.41
6/22/00 7:25	32.42	1345.17	86.22	1340.64	72.10	32.27	12.85	7.08	29.35	12.58	10.41
6/22/00 7:27	32.45	1345.17	86.22	1340.64	72.07	32.28	12.85	7.08	29.35	12.58	10.41
6/22/00 7:28	32.47	1345.17	86.22	1340.60	72.04	32.25	12.85	7.08	29.35	12.58	10.41
6/22/00 7:29	32.48	1345.16	86.22	1340.75	72.02	32.25	12.85	7.08	29.35	12.58	10.41
6/22/00 7:30	32.50	1345.17	86.22	1340.71	72.04	32.25	12.85	7.08	29.35	12.58	10.41
6/22/00 7:31	32.52	1345.18	86.22	1340.71	72.05	32.25	12.85	7.08	29.35	12.58	10.40
6/22/00 7:33	32.55	1345.18	86.22	1340.74	72.07	32.24	12.85	7.08	29.36	12.58	10.40
6/22/00 7:34	32.57	1345.18	86.22	1340.72	72.08	32.24	12.85	7.08	29.36	12.58	10.40
6/22/00 7:35	32.58	1345.17	86.22	1340.59	72.11	32.24	12.85	7.08	29.39	12.58	10.40
6/22/00 7:36	32.60	1345.17	86.22	1340.64	72.12	32.22	12.85	7.08	29.40	12.58	10.40
6/22/00 7:37	32.62	1345.18	86.23	1340.61	72.13	32.22	12.84	7.08	29.42	12.58	10.40
6/22/00 7:39	32.65	1345.18	86.23	1340.65	72.14	32.22	12.84	7.08	29.42	12.58	10.40
6/22/00 7:40	32.67	1345.18	86.23	1340.70	72.15	32.21	12.84	7.07	29.43	12.58	10.40
6/22/00 7:41	32.68	1345.18	86.23	1340.70	72.16	32.21	12.83	7.07	29.43	12.58	10.40
6/22/00 7:42	32.70	1345.17	86.23	1340.65	72.15	32.21	12.83	7.07	29.43	12.58	10.40
6/22/00 7:43	32.72	1345.17	86.23	1340.73	72.15	32.20	12.83	7.07	29.43	12.58	10.40
6/22/00 7:45	32.75	1345.18	86.23	1340.78	72.15	32.20	12.83	7.07	29.43	12.58	10.40
6/22/00 7:46	32.77	1345.17	86.23	1340.68	72.15	32.20	12.83	7.07	29.43	12.58	10.40
6/22/00 7:47	32.78	1345.18	86.23	1340.72	72.13	32.17	12.83	7.07	29.43	12.58	10.40
6/22/00 7:48	32.80	1345.17	86.23	1340.71	72.11	32.18	12.83	7.06	29.44	12.58	10.40
6/22/00 7:49	32.82	1345.18	86.23	1340.77	72.09	32.18	12.83	7.06	29.43	12.58	10.40
6/22/00 7:51	32.85	1345.18	86.24	1340.70	72.08	32.17	12.83	7.06	29.43	12.58	10.39
6/22/00 7:52	32.87	1345.19	86.24	1340.62	72.06	32.17	12.83	7.06	29.43	12.58	10.39
6/22/00 7:53	32.88	1345.19	86.24	1340.62	72.07	32.17	12.83	7.06	29.44	12.58	10.39
6/22/00 7:54	32.90	1345.19	86.24	1340.69	72.10	32.16	12.83	7.06	29.44	12.58	10.39
6/22/00 7:55	32.92	1345.19	86.24	1340.70	72.13	32.16	12.83	7.06	29.44	12.58	10.39
6/22/00 7:57	32.95	1345.20	86.24	1340.66	72.16	32.16	12.83	7.06	29.43	12.58	10.39
6/22/00 7:58	32.97	1345.19	86.24	1340.63	72.19	32.14	12.83	7.06	29.43	12.58	10.39
6/22/00 7:59	32.98	1345.19	86.24	1340.73	72.20	32.13	12.83	7.06	29.47	12.57	10.39
6/22/00 8:00	33.00	1345.20	86.24	1340.68	72.17	32.21	12.82	7.06	29.48	12.57	10.39
6/22/00 8:01	33.02	1345.20	86.24	1340.70	72.15	32.24	12.82	7.06	29.48	12.58	10.39
6/22/00 8:03	33.05	1345.21	86.24	1340.79	72.13	32.24	12.82	7.06	29.48	12.58	10.39
6/22/00 8:04	33.07	1345.21	86.24	1340.75	72.11	32.25	12.82	7.06	29.47	12.57	10.39
6/22/00 8:05	33.08	1345.20	86.24	1340.68	72.09	32.25	12.82	7.06	29.48	12.58	10.38
6/22/00 8:06	33.10	1345.20	86.24	1340.62	72.10	32.25	12.82	7.05	29.48	12.58	10.38
6/22/00 8:07	33.12	1345.20	86.25	1340.66	72.11	32.24	12.82	7.05	29.48	12.57	10.38
6/22/00 8:09	33.15	1345.19	86.25	1340.79	72.11	32.24	12.82	7.05	29.48	12.57	10.38
6/22/00 8:10	33.17	1345.19	86.25	1340.72	72.12	32.24	12.82	7.05	29.50	12.57	10.38
6/22/00 8:11	33.18	1345.18	86.25	1340.55	72.13	32.24	12.82	7.05	29.50	12.57	10.38
6/22/00 8:12	33.20	1345.20	86.25	1340.52	72.14	32.24	12.82	7.05	29.50	12.57	10.38
6/22/00 8:13	33.22	1345.20	86.25	1340.67	72.15	32.21	12.82	7.05	29.48	12.57	10.38
6/22/00 8:15	33.25	1345.20	86.25	1340.71	72.15	32.22	12.82	7.05	29.50	12.57	10.38
6/22/00 8:16	33.27	1345.19	86.25	1340.72	72.16	32.22	12.82	7.05	29.50	12.57	10.38
6/22/00 8:17	33.28	1345.21	86.25	1340.73	72.18	32.24	12.82	7.05	29.50	12.57	10.38
6/22/00 8:18	33.30	1345.20	86.25	1340.75	72.19	32.24	12.82	7.05	29.50	12.57	10.38
6/22/00 8:19	33.32	1345.20	86.25	1340.81	72.21	32.22	12.82	7.05	29.50	12.57	10.38
6/22/00 8:21	33.35	1345.20	86.25	1340.74	72.22	32.22	12.83	7.05	29.50	12.57	10.38
6/22/00 8:22	33.37	1345.20	86.25	1340.69	72.23	32.22	12.83	7.05	29.50	12.57	10.38
6/22/00 8:23	33.38	1345.20	86.25	1340.74	72.25	32.22	12.83	7.05	29.50	12.57	10.38
6/22/00 8:24	33.40	1345.20	86.25	1340.64	72.25	32.22	12.83	7.05	29.48	12.57	10.38
6/22/00 8:25	33.42	1345.21	86.25	1340.69	72.25	32.21	12.83	7.05	29.48	12.57	10.38
6/22/00 8:27	33.45	1345.21	86.26	1340.67	72.25	32.21	12.83	7.05	29.48	12.57	10.37
6/22/00 8:28	33.47	1345.20	86.26	1340.69	72.25	32.21	12.83	7.05	29.48	12.57	10.37
6/22/00 8:29	33.48	1345.21	86.26	1340.71	72.25	32.21	12.83	7.05	29.48	12.57	10.37
6/22/00 8:30	33.50	1345.20	86.26	1340.64	72.24	32.21	12.84	7.05	29.48	12.57	10.37
6/22/00 8:31	33.52	1345.20	86.26	1340.68	72.23	32.20	12.84	7.05	29.48	12.57	10.37
6/22/00 8:33	33.55	1345.21	86.27	1340.67	72.23	32.20	12.84	7.05	29.48	12.58	10.37
6/22/00 8:34	33.57	1345.19	86.26	1340.69	72.22	32.20	12.84	7.05	29.48	12.58	10.37
6/22/00 8:35	33.58	1345.21	86.26	1340.69	72.24	32.20	12.85	7.06	29.48	12.58	10.37
6/22/00 8:36	33.60	1345.21	86.26	1340.64	72.25	32.20	12.86	7.06	29.47	12.58	10.38
6/22/00 8:37	33.62	1345.21	86.26	1340.68	72.27	32.18	12.87	7.07	29.47	12.59	10.38
6/22/00 8:39	33.65	1345.22	86.26	1340.71	72.29	32.18	12.89	7.08	29.47	12.60	10.38
6/22/00 8:40	33.67	1345.21	86.27	1340.65	72.31	32.18	12.91	7.09	29.47	12.61	10.38
6/22/00 8:41	33.68	1345.22	86.27	1340.65	72.29	32.18	12.93	7.11	29.46	12.61	10.38
6/22/00 8:42	33.70	1345.21	86.27	1340.64	72.25	32.18	12.95	7.13	29.46	12.60	10.38
6/22/00 8:43	33.72	1345.21	86.27	1340.68	72.22	32.17	12.98	7.15	29.44	12.60	10.38
6/22/00 8:45	33.75	1345.30	86.27	1340.74	72.18	32.17	13.00	7.18	29.44	12.60	10.38
6/22/00 8:46	33.77	1345.32	86.27	1340.80	72.15	32.17	13.03	7.21	29.43	12.60	10.38
6/22/00 8:47	33.78	1345.31	86.27	1340.80	72.11	32.17	13.05	7.15	29.44	12.59	10.38
6/22/00 8:48	33.80	1345.32	86.27	1340.75	72.10	32.18	13.07	7.18	29.44	12.60	10.38
6/22/00 8:49	33.82	1345.32	86.27	1340.64	72.10	32.18	13.10	7.13	29.44	12.60	10.38
6/22/00 8:51	33.85	1345.34	86.27	1340.68	72.09	32.20	13.06	7.16	29.44	12.60	10.38

6/22/00 8:52	33.87	1345.34	86.27	1340.70	72.09	32.20	13.05	7.17	29.44	12.59	10.38
6/22/00 8:53	33.88	1345.33	86.27	1340.70	72.09	32.18	13.05	7.17	29.43	12.58	10.38
6/22/00 8:54	33.90	1345.32	86.27	1340.59	72.10	32.18	13.05	7.19	29.43	12.58	10.38
6/22/00 8:55	33.92	1345.31	86.27	1340.63	72.10	32.18	13.05	7.20	29.43	12.58	10.38
6/22/00 8:57	33.95	1345.32	86.27	1340.71	72.11	32.18	13.06	7.14	29.42	12.58	10.38
6/22/00 8:58	33.97	1345.32	86.28	1340.78	72.12	32.18	13.06	7.15	29.42	12.58	10.38
6/22/00 8:59	33.98	1345.32	86.28	1340.82	72.12	32.17	13.06	7.17	29.40	12.58	10.38
6/22/00 9:00	34.00	1345.32	86.28	1340.78	72.12	32.17	13.05	7.18	29.39	12.58	10.38
6/22/00 9:01	34.02	1345.32	86.28	1340.75	72.12	32.17	13.05	7.20	29.37	12.58	10.38
6/22/00 9:03	34.05	1345.33	86.28	1340.75	72.12	32.17	13.05	7.13	29.36	12.58	10.38
6/22/00 9:04	34.07	1345.32	86.28	1340.75	72.12	32.17	13.05	7.15	29.36	12.58	10.38
6/22/00 9:05	34.08	1345.33	86.28	1340.73	72.12	32.16	13.05	7.15	29.35	12.58	10.38
6/22/00 9:06	34.10	1345.33	86.28	1340.68	72.12	32.17	13.05	7.14	29.33	12.58	10.37
6/22/00 9:07	34.12	1345.33	86.28	1340.65	72.12	32.16	13.05	7.14	29.33	12.58	10.38
6/22/00 9:09	34.15	1345.34	86.28	1340.70	72.12	32.16	13.05	7.16	29.32	12.58	10.38
6/22/00 9:10	34.17	1345.33	86.28	1340.69	72.12	32.16	13.06	7.17	29.32	12.57	10.37
6/22/00 9:11	34.18	1345.33	86.28	1340.71	72.12	32.14	13.05	7.18	29.32	12.57	10.38
6/22/00 9:12	34.20	1345.34	86.28	1340.79	72.12	32.14	13.05	7.18	29.31	12.57	10.38
6/22/00 9:13	34.22	1345.33	86.29	1340.78	72.12	32.14	13.05	7.18	29.31	12.57	10.38
6/22/00 9:15	34.25	1345.33	86.29	1340.71	72.12	32.14	13.05	7.13	29.29	12.57	10.38
6/22/00 9:16	34.27	1345.33	86.29	1340.72	72.12	32.10	13.04	7.13	29.29	12.57	10.38
6/22/00 9:17	34.28	1345.33	86.29	1340.75	72.11	32.13	13.05	7.14	29.29	12.58	10.38
6/22/00 9:18	34.30	1345.33	86.29	1340.78	72.09	32.13	13.05	7.16	29.29	12.57	10.38
6/22/00 9:19	34.32	1345.33	86.30	1340.70	72.08	32.13	13.04	7.17	29.31	12.57	10.38
6/22/00 9:21	34.35	1345.34	86.30	1340.66	72.06	32.13	13.05	7.19	29.31	12.57	10.39
6/22/00 9:22	34.37	1345.35	86.30	1340.75	72.05	32.13	13.04	7.18	29.31	12.57	10.39
6/22/00 9:23	34.38	1345.34	86.30	1340.71	72.03	32.11	13.04	7.17	29.31	12.57	10.39
6/22/00 9:24	34.40	1345.33	86.30	1340.68	72.03	32.11	13.04	7.16	29.31	12.57	10.39
6/22/00 9:25	34.42	1345.34	86.30	1340.71	72.03	32.11	13.05	7.17	29.29	12.57	10.39
6/22/00 9:27	34.45	1345.35	86.30	1340.72	72.03	32.11	13.05	7.16	29.29	12.57	10.39
6/22/00 9:28	34.47	1345.34	86.30	1340.75	72.03	32.11	13.04	7.15	29.28	12.56	10.39
6/22/00 9:29	34.48	1345.33	86.31	1340.71	72.05	32.11	13.04	7.16	29.29	12.56	10.39
6/22/00 9:30	34.50	1345.34	86.31	1340.70	72.06	32.10	13.05	7.19	29.29	12.57	10.39
6/22/00 9:31	34.52	1345.34	86.31	1340.76	72.08	32.10	13.05	7.15	29.29	12.57	10.38
6/22/00 9:33	34.55	1345.33	86.31	1340.81	72.09	32.10	13.05	7.17	29.29	12.57	10.38
6/22/00 9:34	34.57	1345.34	86.31	1340.83	72.11	32.10	13.05	7.18	29.29	12.57	10.38
6/22/00 9:35	34.58	1345.35	86.32	1340.61	72.12	32.09	13.05	7.17	29.29	12.57	10.38
6/22/00 9:36	34.60	1345.35	86.32	1340.73	72.11	32.09	13.04	7.16	29.29	12.56	10.38
6/22/00 9:37	34.62	1345.34	86.32	1340.80	72.11	32.09	13.03	7.14	29.29	12.56	10.38
6/22/00 9:39	34.65	1345.35	86.32	1340.78	72.10	32.09	13.04	7.15	29.31	12.56	10.38
6/22/00 9:40	34.67	1345.34	86.32	1340.79	72.09	32.09	13.05	7.15	29.31	12.56	10.38
6/22/00 9:41	34.68	1345.34	86.32	1340.83	72.09	32.07	13.05	7.16	29.29	12.56	10.38
6/22/00 9:42	34.70	1345.35	86.32	1340.91	72.10	32.07	13.04	7.16	29.29	12.56	10.38
6/22/00 9:43	34.72	1345.35	86.32	1340.83	72.11	32.07	13.05	7.14	29.29	12.56	10.38
6/22/00 9:45	34.75	1345.35	86.32	1340.70	72.11	32.07	13.05	7.14	29.29	12.56	10.38
6/22/00 9:46	34.77	1345.34	86.32	1340.80	72.12	32.07	13.05	7.15	29.29	12.56	10.38
6/22/00 9:47	34.78	1345.34	86.33	1340.78	72.14	32.07	13.04	7.14	29.29	12.56	10.38
6/22/00 9:48	34.80	1345.35	86.33	1340.73	72.16	32.06	13.03	7.12	29.31	12.56	10.38
6/22/00 9:49	34.82	1345.35	86.33	1340.72	72.18	32.06	13.05	7.14	29.31	12.56	10.38
6/22/00 9:51	34.85	1345.36	86.33	1340.67	72.20	32.06	13.05	7.13	29.31	12.56	10.38
6/22/00 9:52	34.87	1345.36	86.34	1340.68	72.22	32.05	13.05	7.16	29.31	12.56	10.38
6/22/00 9:53	34.88	1345.36	86.34	1340.74	72.20	32.06	13.05	7.14	29.32	12.56	10.38
6/22/00 9:54	34.90	1345.36	86.34	1340.71	72.17	32.06	13.05	7.12	29.32	12.56	10.38
6/22/00 9:55	34.92	1345.35	86.34	1340.78	72.13	32.05	13.04	7.11	29.32	12.56	10.38
6/22/00 9:57	34.95	1345.37	86.35	1340.76	72.10	32.05	13.04	7.13	29.32	12.56	10.38
6/22/00 9:58	34.97	1345.35	86.35	1340.69	72.06	32.05	13.04	7.11	29.35	12.55	10.38
6/22/00 9:59	34.98	1345.36	86.35	1340.82	72.06	32.05	13.04	7.12	29.36	12.56	10.38
6/22/00 10:00	35.00	1345.37	86.35	1340.82	72.09	32.05	13.05	7.18	29.36	12.55	10.38
6/22/00 10:01	35.02	1345.37	86.35	1340.85	72.11	32.03	13.05	7.14	29.37	12.55	10.38
6/22/00 10:03	35.05	1345.36	86.35	1340.82	72.14	32.03	13.05	7.13	29.42	12.55	10.38
6/22/00 10:04	35.07	1345.36	86.35	1340.77	72.17	32.02	13.04	7.13	29.43	12.55	10.38
6/22/00 10:05	35.08	1345.36	86.35	1340.70	72.19	32.02	13.03	7.11	29.42	12.55	10.38
6/22/00 10:06	35.10	1345.37	86.36	1340.75	72.18	32.02	13.03	7.11	29.39	12.55	10.38
6/22/00 10:07	35.12	1345.37	86.36	1340.76	72.17	32.03	13.02	7.10	29.37	12.56	10.38
6/22/00 10:09	35.15	1345.37	86.36	1340.85	72.15	32.03	13.02	7.10	29.36	12.55	10.38
6/22/00 10:10	35.17	1345.37	86.36	1340.74	72.14	32.03	13.03	7.11	29.35	12.55	10.38
6/22/00 10:11	35.18	1345.37	86.36	1340.76	72.11	32.03	13.05	7.14	29.32	12.56	10.38
6/22/00 10:12	35.20	1345.37	86.37	1340.73	72.10	32.03	13.05	7.16	29.32	12.56	10.39
6/22/00 10:13	35.22	1345.37	86.37	1340.73	72.09	32.03	13.05	7.14	29.33	12.56	10.38
6/22/00 10:15	35.25	1345.37	86.37	1340.65	72.08	32.03	13.03	7.12	29.33	12.55	10.38
6/22/00 10:16	35.27	1345.37	86.37	1340.74	72.06	32.02	13.03	7.12	29.32	12.55	10.38
6/22/00 10:17	35.28	1345.36	86.38	1340.71	72.07	32.02	13.03	7.14	29.32	12.55	10.39
6/22/00 10:18	35.30	1345.37	86.38	1340.70	72.09	32.01	13.04	7.17	29.33	12.55	10.39
6/22/00 10:19	35.32	1345.37	86.38	1340.74	72.10	32.01	13.05	7.15	29.35	12.55	10.39
6/22/00 10:21	35.35	1345.37	86.39	1340.82	72.12	32.01	13.05	7.12	29.35	12.55	10.39
6/22/00 10:22	35.37	1345.37	86.39	1340.83	72.14	31.99	13.05	7.10	29.35	12.54	10.39
6/22/00 10:23	35.38	1345.37	86.39	1340.86	72.13	32.01	13.05	7.07	29.42	12.54	10.38
6/22/00 10:24	35.40	1345.37	86.39	1340.79	72.10	32.01	13.04	7.08	29.43	12.54	10.39
6/22/00 10:25	35.42	1345.37	86.39	1340.79	72.08	32.01	13.05	7.10	29.44	12.55	10.39
6/22/00 10:27	35.45	1345.38	86.39	1340.78	72.05	32.01	13.05	7.12	29.43	12.55	10.40
6/22/00 10:28	35.47	1345.38	86.40	1340.76	72.03	32.01	13.03	7.06	29.47	12.54	10.39

6/22/00 10:29	35.48	1345.38	86.40	1340.68	72.03	32.01	13.00	7.03	29.48	12.54	10.39
6/22/00 10:30	35.50	1345.38	86.40	1340.75	72.06	31.98	12.96	7.02	29.51	12.54	10.38
6/22/00 10:31	35.52	1345.38	86.40	1340.73	72.10	31.99	12.96	7.02	29.51	12.54	10.38
6/22/00 10:33	35.55	1345.38	86.40	1340.80	72.13	31.99	12.98	7.03	29.48	12.54	10.39
6/22/00 10:34	35.57	1345.39	86.41	1340.84	72.16	31.98	13.01	7.06	29.48	12.55	10.40
6/22/00 10:35	35.58	1345.38	86.41	1340.84	72.20	31.98	13.03	7.08	29.51	12.54	10.39
6/22/00 10:36	35.60	1345.39	86.41	1340.87	72.21	31.98	13.03	7.08	29.53	12.55	10.39
6/22/00 10:37	35.62	1345.38	86.42	1340.65	72.22	31.98	13.04	7.08	29.53	12.55	10.39
6/22/00 10:39	35.65	1345.38	86.42	1340.73	72.23	31.96	13.06	7.07	29.53	12.55	10.39
6/22/00 10:40	35.67	1345.38	86.42	1340.60	72.24	31.96	13.02	7.03	29.53	12.54	10.39
6/22/00 10:41	35.68	1345.38	86.42	1340.75	72.21	31.96	13.00	7.03	29.53	12.54	10.38
6/22/00 10:42	35.70	1345.38	86.42	1340.83	72.17	31.95	12.97	7.03	29.47	12.54	10.39
6/22/00 10:43	35.72	1345.38	86.42	1340.81	72.14	31.95	12.97	7.02	29.43	12.54	10.40
6/22/00 10:45	35.75	1345.39	86.43	1340.81	72.10	31.95	12.98	7.05	29.43	12.55	10.40
6/22/00 10:46	35.77	1345.39	86.43	1340.84	72.06	31.95	13.01	7.05	29.43	12.55	10.40
6/22/00 10:47	35.78	1345.40	86.43	1340.81	72.05	31.95	13.02	7.07	29.43	12.55	10.40
6/22/00 10:48	35.80	1345.39	86.43	1340.82	72.07	31.95	13.08	7.11	29.42	12.56	10.40
6/22/00 10:49	35.82	1345.40	86.44	1340.75	72.08	31.95	13.05	7.12	29.42	12.56	10.40
6/22/00 10:51	35.85	1345.39	86.44	1340.78	72.10	31.95	13.05	7.11	29.42	12.56	10.40
6/22/00 10:52	35.87	1345.38	86.44	1340.76	72.12	31.94	13.06	7.13	29.46	12.56	10.40
6/22/00 10:53	35.88	1345.40	86.44	1340.77	72.10	31.94	13.06	7.12	29.46	12.56	10.40
6/22/00 10:54	35.90	1345.39	86.45	1340.76	72.06	31.94	13.06	7.12	29.48	12.55	10.40
6/22/00 10:55	35.92	1345.40	86.45	1340.74	72.02	31.94	13.01	7.07	29.51	12.54	10.39
6/22/00 10:57	35.95	1345.40	86.45	1340.72	71.97	31.94	13.00	7.05	29.47	12.54	10.39
6/22/00 10:58	35.97	1345.39	86.45	1340.71	71.93	31.94	13.05	7.06	29.46	12.54	10.40
6/22/00 10:59	35.98	1345.40	86.46	1340.73	71.92	31.94	13.05	7.07	29.42	12.54	10.40
6/22/00 11:00	36.00	1345.39	86.46	1340.76	71.96	31.94	13.06	7.08	29.39	12.54	10.40
6/22/00 11:01	36.02	1345.40	86.46	1340.86	71.99	31.94	13.05	7.07	29.35	12.55	10.41
6/22/00 11:03	36.05	1345.40	86.46	1340.76	72.02	31.92	13.07	7.09	29.36	12.56	10.41
6/22/00 11:04	36.07	1345.39	86.47	1340.82	72.05	31.92	13.07	7.13	29.36	12.56	10.40
6/22/00 11:05	36.08	1345.39	86.47	1340.70	72.10	31.94	13.06	7.09	29.37	12.56	10.41
6/22/00 11:06	36.10	1345.39	86.47	1340.74	72.11	31.94	13.01	7.07	29.46	12.55	10.40
6/22/00 11:07	36.12	1345.39	86.47	1340.75	72.13	31.92	12.92	7.05	29.53	12.54	10.40
6/22/00 11:09	36.15	1345.39	86.48	1340.78	72.15	31.92	12.86	7.03	29.50	12.54	10.40
6/22/00 11:10	36.17	1345.40	86.49	1340.80	72.16	31.92	12.96	7.06	29.53	12.55	10.41
6/22/00 11:11	36.18	1345.40	86.49	1340.81	72.18	31.92	13.00	7.06	29.51	12.54	10.40
6/22/00 11:12	36.20	1345.40	86.49	1340.80	72.18	31.92	13.04	7.08	29.50	12.55	10.41
6/22/00 11:13	36.22	1345.40	86.50	1340.87	72.18	31.91	13.11	7.10	29.47	12.55	10.40
6/22/00 11:15	36.25	1345.40	86.51	1340.81	72.18	31.92	13.07	7.12	29.43	12.55	10.41
6/22/00 11:16	36.27	1345.39	86.51	1340.84	72.19	31.95	13.07	7.16	29.43	12.56	10.41
6/22/00 11:17	36.28	1345.39	86.52	1340.86	72.18	31.95	13.05	7.15	29.42	12.55	10.40
6/22/00 11:18	36.30	1345.39	86.52	1340.82	72.17	31.94	13.05	7.13	29.44	12.55	10.41
6/22/00 11:19	36.32	1345.40	86.53	1340.78	72.16	31.95	12.94	7.08	29.46	12.54	10.40
6/22/00 11:21	36.35	1345.41	86.54	1340.68	72.15	31.95	12.85	7.05	29.47	12.54	10.40
6/22/00 11:22	36.37	1345.40	86.54	1340.76	72.14	31.94	12.87	7.06	29.47	12.54	10.41
6/22/00 11:23	36.38	1345.39	86.55	1340.80	72.13	31.91	12.91	7.08	29.51	12.56	10.41
6/22/00 11:24	36.40	1345.40	86.55	1340.75	72.13	31.91	12.85	7.05	29.55	12.55	10.41
6/22/00 11:25	36.42	1345.40	86.56	1340.82	72.13	31.91	12.82	7.04	29.55	12.54	10.40
6/22/00 11:27	36.45	1345.40	86.57	1340.78	72.13	31.91	12.82	7.04	29.54	12.54	10.40
6/22/00 11:28	36.47	1345.40	86.57	1340.74	72.13	31.91	12.82	7.03	29.50	12.54	10.40
6/22/00 11:29	36.48	1345.40	86.58	1340.80	72.13	31.91	12.84	7.06	29.46	12.55	10.42
6/22/00 11:30	36.50	1345.40	86.58	1340.85	72.13	31.91	12.93	7.08	29.46	12.56	10.42
6/22/00 11:31	36.52	1345.40	86.59	1340.81	72.13	31.90	13.02	7.10	29.46	12.56	10.42
6/22/00 11:33	36.55	1345.40	86.60	1340.74	72.12	31.91	12.98	7.08	29.46	12.56	10.42
6/22/00 11:34	36.57	1345.40	86.60	1340.73	72.12	31.90	12.90	7.06	29.50	12.56	10.41
6/22/00 11:35	36.58	1345.41	86.61	1340.76	72.12	31.91	12.83	7.05	29.51	12.55	10.41
6/22/00 11:36	36.60	1345.40	86.62	1340.71	72.12	31.91	12.82	7.04	29.51	12.54	10.41
6/22/00 11:37	36.62	1345.41	86.62	1340.78	72.12	31.90	12.82	7.04	29.44	12.55	10.42
6/22/00 11:39	36.65	1345.41	86.64	1340.84	72.11	31.90	12.88	7.07	29.44	12.57	10.42
6/22/00 11:40	36.67	1345.42	86.64	1340.92	72.11	31.90	12.86	7.06	29.46	12.56	10.42
6/22/00 11:41	36.68	1345.41	86.65	1340.75	72.11	31.90	12.85	7.05	29.47	12.56	10.42
6/22/00 11:42	36.70	1345.41	86.65	1340.82	72.11	31.90	12.84	7.05	29.46	12.54	10.41
6/22/00 11:43	36.72	1345.41	86.66	1340.86	72.12	31.88	12.83	7.05	29.44	12.54	10.41
6/22/00 11:45	36.75	1345.41	86.67	1340.81	72.12	31.90	12.82	7.05	29.43	12.54	10.42
6/22/00 11:46	36.77	1345.40	86.67	1340.81	72.13	31.90	12.82	7.04	29.40	12.54	10.41
6/22/00 11:47	36.78	1345.40	86.68	1340.80	72.12	31.90	12.81	7.04	29.40	12.55	10.42
6/22/00 11:48	36.80	1345.41	86.68	1340.73	72.10	31.88	12.82	7.05	29.40	12.56	10.42
6/22/00 11:49	36.82	1345.41	86.69	1340.74	72.09	31.88	12.82	7.04	29.39	12.56	10.42
6/22/00 11:51	36.85	1345.41	86.70	1340.79	72.07	31.90	12.85	7.04	29.39	12.57	10.43
6/22/00 11:52	36.87	1345.41	86.70	1340.78	72.06	31.88	12.89	7.06	29.44	12.57	10.42
6/22/00 11:53	36.88	1345.41	86.70	1340.71	72.06	31.88	12.84	7.05	29.42	12.56	10.42
6/22/00 11:54	36.90	1345.41	86.70	1340.81	72.07	31.88	12.84	7.04	29.39	12.56	10.42
6/22/00 11:55	36.92	1345.42	86.71	1340.83	72.09	31.92	12.89	7.06	29.44	12.57	10.43
6/22/00 11:57	36.95	1345.41	86.71	1340.77	72.10						
6/22/00 11:58	36.97	1345.41	86.71	1340.87	72.11						
6/22/00 11:59	36.98	1345.40	86.71	1340.83	72.10						
6/22/00 12:00	37.00	1345.41	86.71	1340.84	72.07						
6/22/00 12:01	37.02	1345.40	86.71	1340.86	72.04						
6/22/00 12:03	37.05	1345.43	86.72	1340.80	72.01						
6/22/00 12:04	37.07	1345.42	86.72	1340.71	71.99						
6/22/00 12:05	37.08	1345.41	86.73	1340.75	71.97						

6/22/00 12:06	37.10	1345.41	86.73	1340.82	71.98
6/22/00 12:07	37.12	1345.43	86.74	1340.73	71.99
6/22/00 12:09	37.15	1345.42	86.75	1340.76	72.00
6/22/00 12:10	37.17	1345.41	86.75	1340.78	72.01
6/22/00 12:11	37.18	1345.42	86.76	1340.80	72.03
6/22/00 12:12	37.20	1345.41	86.76	1340.88	72.05
6/22/00 12:13	37.22	1345.41	86.76	1340.78	72.06
6/22/00 12:15	37.25	1345.41	86.77	1340.85	72.08
6/22/00 12:16	37.27	1345.42	86.77	1340.84	72.09
6/22/00 12:17	37.28	1345.41	86.78	1340.82	72.11
6/22/00 12:18	37.30	1345.40	86.78	1340.83	72.11
6/22/00 12:19	37.32	1345.41	86.78	1340.83	72.11
6/22/00 12:21	37.35	1345.41	86.79	1340.83	72.12
6/22/00 12:22	37.37	1345.42	86.79	1340.80	72.12
6/22/00 12:23	37.38	1345.42	86.79	1340.81	72.10
6/22/00 12:24	37.40	1345.42	86.80	1340.81	72.08
6/22/00 12:25	37.42	1345.41	86.80	1340.78	72.06
6/22/00 12:27	37.45	1345.42	86.81	1340.78	72.03
6/22/00 12:28	37.47	1345.42	86.81	1340.80	72.01
6/22/00 12:29	37.48	1345.42	86.81	1340.87	71.99
6/22/00 12:30	37.50	1345.42	86.82	1340.82	71.99
6/22/00 12:31	37.52	1345.42	86.82	1340.83	71.99
6/22/00 12:33	37.55	1345.43	86.83	1340.82	71.99
6/22/00 12:34	37.57	1345.43	86.83	1340.82	71.99
6/22/00 12:35	37.58	1345.42	86.84	1340.80	71.99
6/22/00 12:36	37.60	1345.41	86.84	1340.81	71.99
6/22/00 12:37	37.62	1345.42	86.84	1340.82	71.99
6/22/00 12:39	37.65	1345.42	86.85	1340.77	71.99
6/22/00 12:40	37.67	1345.43	86.85	1340.81	71.99
6/22/00 12:41	37.68	1345.43	86.86	1340.79	71.99
6/22/00 12:42	37.70	1345.41	86.86	1340.78	72.00
6/22/00 12:43	37.72	1345.41	86.87	1340.76	72.00
6/22/00 12:45	37.75	1345.43	86.87	1340.87	72.01
6/22/00 12:46	37.77	1345.43	86.88	1340.88	72.02
6/22/00 12:47	37.78	1345.41	86.88	1340.86	72.01
6/22/00 12:48	37.80	1345.42	86.88	1340.85	71.99
6/22/00 12:49	37.82	1345.42	86.89	1340.75	71.98
6/22/00 12:51	37.85	1345.42	86.89	1340.68	71.97
6/22/00 12:52	37.87	1345.41	86.90	1340.65	71.95
6/22/00 12:53	37.88	1345.42	86.90	1340.82	71.97
6/22/00 12:54	37.90	1345.41	86.90	1340.84	71.99
6/22/00 12:55	37.92	1345.42	86.91	1340.87	72.02
6/22/00 12:57	37.95	1345.41	86.91	1340.88	72.05
6/22/00 12:58	37.97	1345.41	86.91	1340.89	72.08
6/22/00 12:59	37.98	1345.41	86.91	1340.88	72.11
6/22/00 13:00	38.00	1345.42	86.91	1340.82	72.11
6/22/00 13:01	38.02	1345.42	86.92	1340.90	72.12
6/22/00 13:03	38.05	1345.42	86.92	1340.88	72.12
6/22/00 13:04	38.07	1345.41	86.92	1340.77	72.12
6/22/00 13:05	38.08	1345.42	86.92	1340.76	72.12
6/22/00 13:06	38.10	1345.41	86.92	1340.79	72.12
6/22/00 13:07	38.12	1345.42	86.92	1340.78	72.12
6/22/00 13:09	38.15	1345.42	86.92	1340.83	72.12
6/22/00 13:10	38.17	1345.41	86.92	1340.86	72.12
6/22/00 13:11	38.18	1345.42	86.92	1340.74	72.11
6/22/00 13:12	38.20	1345.42	86.92	1340.83	72.11
6/22/00 13:13	38.22	1345.42	86.93	1340.86	72.11
6/22/00 13:15	38.25	1345.41	86.93	1340.75	72.11
6/22/00 13:16	38.27	1345.42	86.93	1340.76	72.11
6/22/00 13:17	38.28	1345.43	86.93	1340.78	72.10
6/22/00 13:18	38.30	1345.41	86.93	1340.73	72.09
6/22/00 13:19	38.32	1345.42	86.93	1340.68	72.09
6/22/00 13:21	38.35	1345.42	86.93	1340.70	72.08
6/22/00 13:22	38.37	1345.41	86.93	1340.79	72.08
6/22/00 13:23	38.38	1345.41	86.93	1340.85	72.08
6/22/00 13:24	38.40	1345.40	86.93	1340.84	72.09
6/22/00 13:25	38.42	1345.41	86.94	1340.85	72.10
6/22/00 13:27	38.45	1345.41	86.94	1340.85	72.10
6/22/00 13:28	38.47	1345.40	86.94	1340.84	72.11
6/22/00 13:29	38.48	1345.41	86.94	1340.84	72.11
6/22/00 13:30	38.50	1345.40	86.94	1340.80	72.10
6/22/00 13:31	38.52	1345.42	86.94	1340.71	72.09
6/22/00 13:33	38.55	1345.41	86.94	1340.75	72.08
6/22/00 13:34	38.57	1345.41	86.94	1340.81	72.07
6/22/00 13:35	38.58	1345.41	86.94	1340.80	72.04
6/22/00 13:36	38.60	1345.41	86.94	1340.73	72.03
6/22/00 13:37	38.62	1345.41	86.94	1340.79	72.02
6/22/00 13:39	38.65	1345.41	86.94	1340.78	72.01
6/22/00 13:40	38.67	1345.40	86.94	1340.82	72.00
6/22/00 13:41	38.68	1345.41	86.94	1340.75	72.01
6/22/00 13:42	38.70	1345.40	86.94	1340.79	72.03

6/22/00 13:43	38.72	1345.41	86.94	1340.68	72.06
6/22/00 13:45	38.75	1345.41	86.94	1340.82	72.08
6/22/00 13:46	38.77	1345.41	86.94	1340.79	72.10
6/22/00 13:47	38.78	1345.39	86.94	1340.84	72.13
6/22/00 13:48	38.80	1345.40	86.94	1340.81	72.13
6/22/00 13:49	38.82	1345.41	86.94	1340.79	72.13
6/22/00 13:51	38.85	1345.41	86.95	1340.78	72.13
6/22/00 13:52	38.87	1345.41	86.95	1340.79	72.13
6/22/00 13:53	38.88	1345.41	86.96	1340.71	72.10
6/22/00 13:54	38.90	1345.41	86.96	1340.74	72.06
6/22/00 13:55	38.92	1345.40	86.97	1340.72	72.03
6/22/00 13:57	38.95	1345.40	86.98	1340.77	72.00
6/22/00 13:58	38.97	1345.40	86.99	1340.83	71.97
6/22/00 13:59	38.98	1345.40	86.99	1340.77	71.97
6/22/00 14:00	39.00	1345.41	87.00	1340.77	72.00
6/22/00 14:01	39.02	1345.40	87.00	1340.87	72.02
6/22/00 14:03	39.05	1345.41	87.01	1340.87	72.05
6/22/00 14:04	39.07	1345.40	87.01	1340.81	72.08
6/22/00 14:05	39.08	1345.40	87.02	1340.69	72.11
6/22/00 14:06	39.10	1345.41	87.02	1340.82	72.12
6/22/00 14:07	39.12	1345.40	87.02	1340.86	72.12
6/22/00 14:09	39.15	1345.41	87.03	1340.83	72.13
6/22/00 14:10	39.17	1345.41	87.04	1340.74	72.14
6/22/00 14:11	39.18	1345.41	87.04	1340.83	72.14
6/22/00 14:12	39.20	1345.41	87.04	1340.83	72.14
6/22/00 14:13	39.22	1345.40	87.05	1340.85	72.13
6/22/00 14:15	39.25	1345.40	87.06	1340.80	72.13
6/22/00 14:16	39.27	1345.39	87.06	1340.72	72.13
6/22/00 14:17	39.28	1345.40	87.06	1340.75	72.10
6/22/00 14:18	39.30	1345.40	87.07	1340.77	72.08
6/22/00 14:19	39.32	1345.40	87.07	1340.81	72.06
6/22/00 14:21	39.35	1345.40	87.08	1340.79	72.04
6/22/00 14:22	39.37	1345.40	87.08	1340.77	72.02
6/22/00 14:23	39.38	1345.40	87.09	1340.78	72.00
6/22/00 14:24	39.40	1345.40	87.09	1340.77	72.01
6/22/00 14:25	39.42	1345.39	87.09	1340.75	72.02
6/22/00 14:27	39.45	1345.40	87.10	1340.82	72.02
6/22/00 14:28	39.47	1345.40	87.10	1340.83	72.03
6/22/00 14:29	39.48	1345.40	87.10	1340.80	72.05
6/22/00 14:30	39.50	1345.39	87.10	1340.74	72.06
6/22/00 14:31	39.52	1345.39	87.10	1340.74	72.08
6/22/00 14:33	39.55	1345.40	87.10	1340.82	72.09
6/22/00 14:34	39.57	1345.40	87.11	1340.84	72.10
6/22/00 14:35	39.58	1345.40	87.11	1340.82	72.10
6/22/00 14:36	39.60	1345.39	87.12	1340.82	72.08
6/22/00 14:37	39.62	1345.39	87.12	1340.82	72.06
6/22/00 14:39	39.65	1345.39	87.13	1340.79	72.05
6/22/00 14:40	39.67	1345.39	87.13	1340.70	72.03
6/22/00 14:41	39.68	1345.39	87.13	1340.79	72.00
6/22/00 14:42	39.70	1345.39	87.13	1340.77	71.99
6/22/00 14:43	39.72	1345.39	87.13	1340.78	71.98
6/22/00 14:45	39.75	1345.41	87.14	1340.82	71.97
6/22/00 14:46	39.77	1345.39	87.14	1340.90	71.96
6/22/00 14:47	39.78	1345.38	87.14	1340.86	71.95
6/22/00 14:48	39.80	1345.38	87.15	1340.81	71.96
6/22/00 14:49	39.82	1345.38	87.15	1340.78	71.96
6/22/00 14:51	39.85	1345.39	87.15	1340.76	71.97
6/22/00 14:52	39.87	1345.38	87.16	1340.74	71.98
6/22/00 14:53	39.88	1345.39	87.16	1340.71	71.99
6/22/00 14:54	39.90	1345.38	87.16	1340.77	72.00
6/22/00 14:55	39.92	1345.38	87.16	1340.80	72.01
6/22/00 14:57	39.95	1345.39	87.17	1340.82	72.02
6/22/00 14:58	39.97	1345.38	87.17	1340.80	72.03
6/22/00 14:59	39.98	1345.38	87.17	1340.83	72.03
6/22/00 15:00	40.00	1345.39	87.17	1340.84	72.03
6/22/00 15:01	40.02	1345.38	87.18	1340.81	72.03
6/22/00 15:03	40.05	1345.39	87.18	1340.82	72.03
6/22/00 15:04	40.07	1345.38	87.18	1340.86	72.02
6/22/00 15:05	40.08	1345.37	87.18	1340.82	72.02
6/22/00 15:06	40.10	1345.37	87.19	1340.84	72.02
6/22/00 15:07	40.12	1345.37	87.19	1340.77	72.02
6/22/00 15:09	40.15	1345.38	87.19	1340.78	72.01
6/22/00 15:10	40.17	1345.38	87.19	1340.69	72.01
6/22/00 15:11	40.18	1345.38	87.19	1340.74	72.02
6/22/00 15:12	40.20	1345.37	87.19	1340.72	72.02
6/22/00 15:13	40.22	1345.38	87.19	1340.73	72.03
6/22/00 15:15	40.25	1345.37	87.20	1340.72	72.03
6/22/00 15:16	40.27	1345.36	87.20	1340.73	72.04
6/22/00 15:17	40.28	1345.38	87.20	1340.76	72.05
6/22/00 15:18	40.30	1345.37	87.20	1340.74	72.05
6/22/00 15:19	40.32	1345.37	87.21	1340.77	72.05



6/22/00 15:21	40.35	1345.37	87.21	1340.76	72.05
6/22/00 15:22	40.37	1345.36	87.21	1340.80	72.05
6/22/00 15:23	40.38	1345.37	87.21	1340.72	72.06
6/22/00 15:24	40.40	1345.37	87.21	1340.60	72.06
6/22/00 15:25	40.42	1345.37	87.21	1340.67	72.07
6/22/00 15:27	40.45	1345.37	87.21	1340.73	72.07
6/22/00 15:28	40.47	1345.37	87.22	1340.81	72.08
6/22/00 15:29	40.48	1345.37	87.22	1340.81	72.08
6/22/00 15:30	40.50	1345.38	87.22	1340.79	72.09
6/22/00 15:31	40.52	1345.37	87.23	1340.80	72.09
6/22/00 15:33	40.55	1345.36	87.23	1340.78	72.09
6/22/00 15:34	40.57	1345.36	87.23	1340.79	72.09
6/22/00 15:35	40.58	1345.36	87.23	1340.70	72.09
6/22/00 15:36	40.60	1345.37	87.23	1340.68	72.09
6/22/00 15:37	40.62	1345.36	87.23	1340.73	72.08
6/22/00 15:39	40.65	1345.37	87.23	1340.70	72.08
6/22/00 15:40	40.67	1345.36	87.23	1340.82	72.07
6/22/00 15:41	40.68	1345.36	87.23	1340.83	72.08
6/22/00 15:42	40.70	1345.36	87.24	1340.81	72.09
6/22/00 15:43	40.72	1345.36	87.24	1340.79	72.10
6/22/00 15:45	40.75	1345.35	87.24	1340.76	72.11
6/22/00 15:46	40.77	1345.37	87.24	1340.75	72.11
6/22/00 15:47	40.78	1345.35	87.24	1340.75	72.12
6/22/00 15:48	40.80	1345.36	87.24	1340.78	72.11
6/22/00 15:49	40.82	1345.37	87.24	1340.79	72.11
6/22/00 15:51	40.85	1345.36	87.25	1340.83	72.10
6/22/00 15:52	40.87	1345.37	87.25	1340.88	72.10
6/22/00 15:53	40.88	1345.36	87.25	1340.77	72.09
6/22/00 15:54	40.90	1345.36	87.25	1340.75	72.08
6/22/00 15:55	40.92	1345.35	87.25	1340.76	72.08
6/22/00 15:57	40.95	1345.36	87.25	1340.76	72.08
6/22/00 15:58	40.97	1345.36	87.25	1340.76	72.08
6/22/00 15:59	40.98	1345.34	87.25	1340.77	72.05
6/22/00 16:00	41.00	1345.35	87.25	1340.83	72.04
6/22/00 16:01	41.02	1345.35	87.25	1340.69	72.02
6/22/00 16:03	41.05	1345.36	87.25	1340.71	72.00
6/22/00 16:04	41.07	1345.36	87.25	1340.71	71.98
6/22/00 16:05	41.08	1345.36	87.25	1340.72	71.98
6/22/00 16:06	41.10	1345.35	87.25	1340.70	72.00
6/22/00 16:07	41.12	1345.36	87.25	1340.83	72.01
6/22/00 16:09	41.15	1345.35	87.25	1340.78	72.03
6/22/00 16:10	41.17	1345.35	87.25	1340.75	72.05
6/22/00 16:11	41.18	1345.36	87.25	1340.71	72.06
6/22/00 16:12	41.20	1345.35	87.25	1340.76	72.05
6/22/00 16:13	41.22	1345.34	87.25	1340.75	72.05
6/22/00 16:15	41.25	1345.34	87.26	1340.75	72.04
6/22/00 16:16	41.27	1345.35	87.26	1340.71	72.03
6/22/00 16:17	41.28	1345.35	87.26	1340.64	72.03
6/22/00 16:18	41.30	1345.35	87.26	1340.70	72.04
6/22/00 16:19	41.32	1345.35	87.26	1340.81	72.04
6/22/00 16:21	41.35	1345.35	87.26	1340.90	72.05
6/22/00 16:22	41.37	1345.35	87.26	1340.83	72.05
6/22/00 16:23	41.38	1345.35	87.26	1340.78	72.04
6/22/00 16:24	41.40	1345.34	87.26	1340.76	72.03
6/22/00 16:25	41.42	1345.34	87.26	1340.63	72.01
6/22/00 16:27	41.45	1345.34	87.26	1340.56	71.99
6/22/00 16:28	41.47	1345.35	87.26	1340.71	71.98
6/22/00 16:29	41.48	1345.35	87.26	1340.74	71.99
6/22/00 16:30	41.50	1345.35	87.26	1340.75	72.01
6/22/00 16:31	41.52	1345.35	87.26	1340.78	72.04
6/22/00 16:33	41.55	1345.34	87.26	1340.76	72.07
6/22/00 16:34	41.57	1345.34	87.26	1340.77	72.10
6/22/00 16:35	41.58	1345.34	87.26	1340.78	72.09
6/22/00 16:36	41.60	1345.34	87.26	1340.73	72.06
6/22/00 16:37	41.62	1345.33	87.26	1340.76	72.03
6/22/00 16:39	41.65	1345.34	87.26	1340.70	72.00
6/22/00 16:40	41.67	1345.33	87.26	1340.75	71.97
6/22/00 16:41	41.68	1345.34	87.26	1340.72	71.96
6/22/00 16:42	41.70	1345.35	87.26	1340.72	71.97
6/22/00 16:43	41.72	1345.34	87.26	1340.65	71.99
6/22/00 16:45	41.75	1345.33	87.26	1340.68	72.00
6/22/00 16:46	41.77	1345.33	87.26	1340.67	72.02
6/22/00 16:47	41.78	1345.34	87.26	1340.74	72.04
6/22/00 16:48	41.80	1345.33	87.26	1340.82	72.05
6/22/00 16:49	41.82	1345.34	87.26	1340.81	72.06
6/22/00 16:51	41.85	1345.35	87.26	1340.79	72.07
6/22/00 16:52	41.87	1345.33	87.27	1340.84	72.08
6/22/00 16:53	41.88	1345.34	87.27	1340.78	72.09
6/22/00 16:54	41.90	1345.34	87.27	1340.67	72.10
6/22/00 16:55	41.92	1345.34	87.28	1340.70	72.10
6/22/00 16:57	41.95	1345.34	87.28	1340.71	72.11

6/22/00 16:58	41.97	1345.34	87.27	1340.77	72.12
6/22/00 16:59	41.98	1345.33	87.27	1340.77	72.12
6/22/00 17:00	42.00	1345.33	87.27	1340.79	72.12
6/22/00 17:01	42.02	1345.34	87.27	1340.78	72.12
6/22/00 17:03	42.05	1345.34	87.27	1340.75	72.12
6/22/00 17:04	42.07	1345.33	87.26	1340.71	72.12
6/22/00 17:05	42.08	1345.34	87.26	1340.72	72.12
6/22/00 17:06	42.10	1345.33	87.26	1340.73	72.12
6/22/00 17:07	42.12	1345.33	87.26	1340.72	72.12
6/22/00 17:09	42.15	1345.33	87.25	1340.61	72.12
6/22/00 17:10	42.17	1345.32	87.25	1340.70	72.12
6/22/00 17:11	42.18	1345.33	87.25	1340.76	72.11
6/22/00 17:12	42.20	1345.33	87.25	1340.82	72.10
6/22/00 17:13	42.22	1345.34	87.25	1340.75	72.08
6/22/00 17:15	42.25	1345.34	87.24	1340.75	72.07
6/22/00 17:16	42.27	1345.33	87.24	1340.72	72.06
6/22/00 17:17	42.28	1345.33	87.24	1340.78	72.06
6/22/00 17:18	42.30	1345.33	87.24	1340.70	72.08
6/22/00 17:19	42.32	1345.32	87.24	1340.65	72.10
6/22/00 17:21	42.35	1345.32	87.24	1340.68	72.13
6/22/00 17:22	42.37	1345.33	87.24	1340.65	72.15
6/22/00 17:23	42.38	1345.34	87.24	1340.69	72.16
6/22/00 17:24	42.40	1345.34	87.24	1340.63	72.15
6/22/00 17:25	42.42	1345.33	87.24	1340.73	72.15
6/22/00 17:27	42.45	1345.32	87.24	1340.74	72.14
6/22/00 17:28	42.47	1345.32	87.24	1340.70	72.13
6/22/00 17:29	42.48	1345.33	87.24	1340.69	72.12
6/22/00 17:30	42.50	1345.33	87.24	1340.68	72.12
6/22/00 17:31	42.52	1345.32	87.24	1340.69	72.12
6/22/00 17:33	42.55	1345.32	87.24	1340.74	72.12
6/22/00 17:34	42.57	1345.33	87.24	1340.74	72.12
6/22/00 17:35	42.58	1345.32	87.24	1340.76	72.11
6/22/00 17:36	42.60	1345.31	87.24	1340.66	72.09
6/22/00 17:37	42.62	1345.32	87.24	1340.71	72.08
6/22/00 17:39	42.65	1345.33	87.24	1340.75	72.06
6/22/00 17:40	42.67	1345.32	87.23	1340.71	72.04
6/22/00 17:41	42.68	1345.33	87.23	1340.79	72.03
6/22/00 17:42	42.70	1345.33	87.23	1340.85	72.02
6/22/00 17:43	42.72	1345.32	87.23	1340.80	72.02
6/22/00 17:45	42.75	1345.33	87.23	1340.69	72.02
6/22/00 17:46	42.77	1345.32	87.23	1340.69	72.02
6/22/00 17:47	42.78	1345.32	87.23	1340.78	72.02
6/22/00 17:48	42.80	1345.32	87.23	1340.72	72.02
6/22/00 17:49	42.82	1345.32	87.23	1340.62	72.01
6/22/00 17:51	42.85	1345.32	87.22	1340.68	72.01
6/22/00 17:52	42.87	1345.33	87.22	1340.67	72.01
6/22/00 17:53	42.88	1345.33	87.22	1340.63	72.02
6/22/00 17:54	42.90	1345.33	87.22	1340.66	72.03
6/22/00 17:55	42.92	1345.32	87.22	1340.68	72.04
6/22/00 17:57	42.95	1345.33	87.21	1340.67	72.05
6/22/00 17:58	42.97	1345.33	87.21	1340.70	72.06
6/22/00 17:59	42.98	1345.32	87.21	1340.75	72.05
6/22/00 18:00	43.00	1345.32	87.21	1340.72	72.04
6/22/00 18:01	43.02	1345.31	87.22	1340.68	72.02
6/22/00 18:03	43.05	1345.32	87.22	1340.64	72.01
6/22/00 18:04	43.07	1345.34	87.22	1340.59	72.00
6/22/00 18:05	43.08	1345.32	87.22	1340.92	72.01
6/22/00 18:06	43.10	1345.33	87.22	1340.70	72.03
6/22/00 18:07	43.12	1345.32	87.22	1340.63	72.05
6/22/00 18:09	43.15	1345.33	87.22	1340.69	72.08
6/22/00 18:10	43.17	1345.33	87.22	1340.75	72.10
6/22/00 18:11	43.18	1345.31	87.22	1340.71	72.09
6/22/00 18:12	43.20	1345.31	87.23	1340.67	72.07
6/22/00 18:13	43.22	1345.33	87.23	1340.73	72.04
6/22/00 18:15	43.25	1345.34	87.23	1340.70	72.01
6/22/00 18:16	43.27	1345.31	87.23	1340.70	71.98
6/22/00 18:17	43.28	1345.32	87.23	1340.68	71.97
6/22/00 18:18	43.30	1345.32	87.23	1340.69	71.98
6/22/00 18:19	43.32	1345.32	87.23	1340.76	71.99
6/22/00 18:21	43.35	1345.33	87.23	1340.71	72.00
6/22/00 18:22	43.37	1345.32	87.23	1340.69	72.02
6/22/00 18:23	43.38	1345.32	87.23	1340.74	72.03
6/22/00 18:24	43.40	1345.32	87.23	1340.75	72.02
6/22/00 18:25	43.42	1345.32	87.22	1340.73	72.02
6/22/00 18:27	43.45	1345.33	87.22	1340.65	72.02
6/22/00 18:28	43.47	1345.33	87.22	1340.66	72.02
6/22/00 18:29	43.48	1345.32	87.22	1340.66	72.01
6/22/00 18:30	43.50	1345.32	87.22	1340.56	72.01
6/22/00 18:31	43.52	1345.33	87.22	1340.60	72.00
6/22/00 18:33	43.55	1345.33	87.22	1340.66	71.99
6/22/00 18:34	43.57	1345.32	87.22	1340.68	71.99

6/22/00 18:35	43.58	1345.32	87.22	1340.74	71.96
6/22/00 18:36	43.60	1345.32	87.22	1340.85	71.95
6/22/00 18:37	43.62	1345.33	87.22	1340.70	71.93
6/22/00 18:39	43.65	1345.33	87.22	1340.63	71.91
6/22/00 18:40	43.67	1345.33	87.22	1340.53	71.89
6/22/00 18:41	43.68	1345.34	87.21	1340.69	71.89
6/22/00 18:42	43.70	1345.34	87.21	1340.76	71.90
6/22/00 18:43	43.72	1345.35	87.21	1340.80	71.91
6/22/00 18:45	43.75	1345.34	87.21	1340.82	71.92
6/22/00 18:46	43.77	1345.33	87.21	1340.79	71.93
6/22/00 18:47	43.78	1345.32	87.20	1340.73	71.94
6/22/00 18:48	43.80	1345.33	87.20	1340.71	71.94
6/22/00 18:49	43.82	1345.33	87.20	1340.66	71.94
6/22/00 18:51	43.85	1345.33	87.20	1340.67	71.94
6/22/00 18:52	43.87	1345.33	87.20	1340.71	71.94
6/22/00 18:53	43.88	1345.33	87.19	1340.63	71.95
6/22/00 18:54	43.90	1345.33	87.19	1340.56	71.96
6/22/00 18:55	43.92	1345.32	87.19	1340.66	71.98
6/22/00 18:57	43.95	1345.32	87.19	1340.83	71.99
6/22/00 18:58	43.97	1345.33	87.19	1340.77	72.00
6/22/00 18:59	43.98	1345.32	87.19	1340.72	72.03
6/22/00 19:00	44.00	1345.33	87.19	1340.71	72.03
6/22/00 19:01	44.02	1345.33	87.19	1340.75	72.04
6/22/00 19:03	44.05	1345.33	87.18	1340.72	72.05
6/22/00 19:04	44.07	1345.33	87.18	1340.71	72.06
6/22/00 19:05	44.08	1345.34	87.18	1340.79	72.05
6/22/00 19:06	44.10	1345.32	87.17	1340.66	72.03
6/22/00 19:07	44.12	1345.34	87.17	1340.63	72.02
6/22/00 19:09	44.15	1345.34	87.17	1340.66	72.00
6/22/00 19:10	44.17	1345.33	87.17	1340.71	71.98
6/22/00 19:11	44.18	1345.34	87.17	1340.69	71.97
6/22/00 19:12	44.20	1345.35	87.16	1340.67	71.98
6/22/00 19:13	44.22	1345.34	87.16	1340.62	71.99
6/22/00 19:15	44.25	1345.34	87.16	1340.64	71.99
6/22/00 19:16	44.27	1345.34	87.16	1340.58	72.00
6/22/00 19:17	44.28	1345.34	87.16	1340.71	71.98
6/22/00 19:18	44.30	1345.35	87.16	1340.75	71.96
6/22/00 19:19	44.32	1345.34	87.15	1340.75	71.94
6/22/00 19:21	44.35	1345.34	87.15	1340.78	71.92
6/22/00 19:22	44.37	1345.34	87.15	1340.67	71.90
6/22/00 19:23	44.38	1345.34	87.15	1340.77	71.89
6/22/00 19:24	44.40	1345.34	87.15	1340.85	71.90
6/22/00 19:25	44.42	1345.35	87.15	1340.75	71.91
6/22/00 19:27	44.45	1345.34	87.14	1340.70	71.92
6/22/00 19:28	44.47	1345.34	87.14	1340.70	71.93
6/22/00 19:29	44.48	1345.34	87.14	1340.74	71.93
6/22/00 19:30	44.50	1345.35	87.14	1340.66	71.91
6/22/00 19:31	44.52	1345.35	87.13	1340.67	71.90
6/22/00 19:33	44.55	1345.34	87.13	1340.68	71.88
6/22/00 19:34	44.57	1345.34	87.12	1340.57	71.86
6/22/00 19:35	44.58	1345.34	87.12	1340.61	71.85
6/22/00 19:36	44.60	1345.35	87.12	1340.73	71.85
6/22/00 19:37	44.62	1345.36	87.12	1340.79	71.85
6/22/00 19:39	44.65	1345.35	87.11	1340.83	71.85
6/22/00 19:40	44.67	1345.36	87.11	1340.94	71.85
6/22/00 19:41	44.68	1345.35	87.11	1340.75	71.88
6/22/00 19:42	44.70	1345.36	87.11	1340.72	71.92
6/22/00 19:43	44.72	1345.36	87.10	1340.63	71.95
6/22/00 19:45	44.75	1345.35	87.10	1340.69	71.98
6/22/00 19:46	44.77	1345.35	87.10	1340.71	72.01
6/22/00 19:47	44.78	1345.36	87.09	1340.68	72.05
6/22/00 19:48	44.80	1345.36	87.09	1340.64	72.05
6/22/00 19:49	44.82	1345.36	87.09	1340.73	72.05
6/22/00 19:51	44.85	1345.36	87.08	1340.81	72.05
6/22/00 19:52	44.87	1345.37	87.08	1340.61	72.05
6/22/00 19:53	44.88	1345.36	87.08	1340.73	72.03
6/22/00 19:54	44.90	1345.36	87.08	1340.75	72.01
6/22/00 19:55	44.92	1345.37	87.07	1340.77	72.00
6/22/00 19:57	44.95	1345.37	87.07	1340.76	71.98
6/22/00 19:58	44.97	1345.37	87.07	1340.74	71.96
6/22/00 19:59	44.98	1345.36	87.07	1340.73	71.97
6/22/00 20:00	45.00	1345.37	87.06	1340.71	71.99
6/22/00 20:01	45.02	1345.37	87.06	1340.71	72.02
6/22/00 20:03	45.05	1345.37	87.06	1340.77	72.04
6/22/00 20:04	45.07	1345.37	87.06	1340.71	72.06
6/22/00 20:05	45.08	1345.37	87.05	1340.82	72.08
6/22/00 20:06	45.10	1345.37	87.05	1340.85	72.08
6/22/00 20:07	45.12	1345.37	87.05	1340.83	72.07
6/22/00 20:09	45.15	1345.38	87.05	1340.73	72.06
6/22/00 20:10	45.17	1345.37	87.04	1340.72	72.06
6/22/00 20:11	45.18	1345.37	87.04	1340.73	72.04

6/22/00 20:12	45.20	1345.37	87.04	1340.74	72.03
6/22/00 20:13	45.22	1345.37	87.04	1340.74	72.02
6/22/00 20:15	45.25	1345.38	87.03	1340.75	72.00
6/22/00 20:16	45.27	1345.38	87.03	1340.74	71.99
6/22/00 20:17	45.28	1345.38	87.03	1340.69	71.98
6/22/00 20:18	45.30	1345.38	87.02	1340.73	71.99
6/22/00 20:19	45.32	1345.37	87.02	1340.76	71.99
6/22/00 20:21	45.35	1345.39	87.01	1340.69	72.00
6/22/00 20:22	45.37	1345.38	87.01	1340.72	72.00
6/22/00 20:23	45.38	1345.39	87.01	1340.68	72.00
6/22/00 20:24	45.40	1345.38	87.01	1340.68	72.01
6/22/00 20:25	45.42	1345.38	87.01	1340.77	72.01
6/22/00 20:27	45.45	1345.39	87.00	1340.78	72.01
6/22/00 20:28	45.47	1345.39	87.00	1340.84	72.01
6/22/00 20:29	45.48	1345.39	87.00	1340.77	72.01
6/22/00 20:30	45.50	1345.39	87.00	1340.81	72.00
6/22/00 20:31	45.52	1345.39	86.99	1340.76	71.99
6/22/00 20:33	45.55	1345.39	86.99	1340.76	71.98
6/22/00 20:34	45.57	1345.40	86.99	1340.81	71.97
6/22/00 20:35	45.58	1345.39	86.99	1340.72	71.96
6/22/00 20:36	45.60	1345.40	86.98	1340.66	71.96
6/22/00 20:37	45.62	1345.40	86.98	1340.70	71.96
6/22/00 20:39	45.65	1345.39	86.98	1340.77	71.95
6/22/00 20:40	45.67	1345.39	86.98	1340.76	71.95
6/22/00 20:41	45.68	1345.40	86.98	1340.78	71.94
6/22/00 20:42	45.70	1345.39	86.97	1340.82	71.93
6/22/00 20:43	45.72	1345.40	86.97	1340.84	71.93
6/22/00 20:45	45.75	1345.40	86.97	1340.85	71.92
6/22/00 20:46	45.77	1345.40	86.97	1340.84	71.92
6/22/00 20:47	45.78	1345.39	86.96	1340.80	71.92
6/22/00 20:48	45.80	1345.40	86.96	1340.72	71.92
6/22/00 20:49	45.82	1345.40	86.96	1340.71	71.93
6/22/00 20:51	45.85	1345.41	86.96	1340.74	71.93
6/22/00 20:52	45.87	1345.41	86.95	1340.79	71.94
6/22/00 20:53	45.88	1345.41	86.95	1340.77	71.97
6/22/00 20:54	45.90	1345.42	86.95	1340.66	71.99
6/22/00 20:55	45.92	1345.41	86.95	1340.70	72.01
6/22/00 20:57	45.95	1345.41	86.95	1340.74	72.03
6/22/00 20:58	45.97	1345.42	86.94	1340.73	72.05
6/22/00 20:59	45.98	1345.41	86.94	1340.72	72.05
6/22/00 21:00	46.00	1345.42	86.94	1340.82	72.03
6/22/00 21:01	46.02	1345.41	86.94	1340.74	72.01
6/22/00 21:03	46.05	1345.42	86.94	1340.74	71.99
6/22/00 21:04	46.07	1345.42	86.93	1340.94	71.97
6/22/00 21:05	46.08	1345.42	86.93	1340.79	71.94
6/22/00 21:06	46.10	1345.43	86.93	1340.80	71.93
6/22/00 21:07	46.12	1345.43	86.93	1340.80	71.92
6/22/00 21:09	46.15	1345.44	86.93	1340.78	71.91
6/22/00 21:10	46.17	1345.42	86.93	1340.76	71.90
6/22/00 21:11	46.18	1345.42	86.93	1340.80	71.89
6/22/00 21:12	46.20	1345.43	86.93	1340.78	71.89
6/22/00 21:13	46.22	1345.42	86.93	1340.77	71.89
6/22/00 21:15	46.25	1345.43	86.92	1340.75	71.89
6/22/00 21:16	46.27	1345.43	86.92	1340.78	71.89
6/22/00 21:17	46.28	1345.44	86.92	1340.67	71.90
6/22/00 21:18	46.30	1345.43	86.92	1340.73	71.91
6/22/00 21:19	46.32	1345.43	86.91	1340.77	71.92
6/22/00 21:21	46.35	1345.43	86.91	1340.77	71.93
6/22/00 21:22	46.37	1345.43	86.91	1340.78	71.94
6/22/00 21:23	46.38	1345.43	86.91	1340.81	71.96
6/22/00 21:24	46.40	1345.44	86.90	1340.84	71.96
6/22/00 21:25	46.42	1345.43	86.90	1340.86	71.96
6/22/00 21:27	46.45	1345.44	86.90	1340.75	71.96
6/22/00 21:28	46.47	1345.45	86.89	1340.80	71.96
6/22/00 21:29	46.48	1345.45	86.89	1340.81	71.97
6/22/00 21:30	46.50	1345.44	86.88	1340.79	71.99
6/22/00 21:31	46.52	1345.44	86.88	1340.74	72.00
6/22/00 21:33	46.55	1345.44	86.88	1340.82	72.01
6/22/00 21:34	46.57	1345.44	86.87	1340.86	72.03
6/22/00 21:35	46.58	1345.45	86.87	1340.83	72.03
6/22/00 21:36	46.60	1345.45	86.87	1340.78	72.02
6/22/00 21:37	46.62	1345.45	86.87	1340.80	72.01
6/22/00 21:39	46.65	1345.45	86.86	1340.84	72.00
6/22/00 21:40	46.67	1345.45	86.86	1340.77	71.98
6/22/00 21:41	46.68	1345.45	86.86	1340.84	71.96
6/22/00 21:42	46.70	1345.44	86.86	1340.85	71.95
6/22/00 21:43	46.72	1345.45	86.86	1340.86	71.94
6/22/00 21:45	46.75	1345.45	86.85	1340.89	71.93
6/22/00 21:46	46.77	1345.45	86.85	1340.89	71.92
6/22/00 21:47	46.78	1345.45	86.85	1340.79	71.91
6/22/00 21:48	46.80	1345.45	86.84	1340.69	71.91

6/22/00 21:49	46.82	1345.45	86.84	1340.75	71.91
6/22/00 21:51	46.85	1345.47	86.84	1340.75	71.91
6/22/00 21:52	46.87	1345.46	86.83	1340.84	71.91
6/22/00 21:53	46.88	1345.45	86.83	1340.81	71.95
6/22/00 21:54	46.90	1345.46	86.83	1340.78	71.98
6/22/00 21:55	46.92	1345.46	86.83	1340.78	72.01
6/22/00 21:57	46.95	1345.46	86.83	1340.79	72.04
6/22/00 21:58	46.97	1345.46	86.82	1340.71	72.08
6/22/00 21:59	46.98	1345.46	86.82	1340.89	72.09
6/22/00 22:00	47.00	1345.46	86.82	1340.84	72.06
6/22/00 22:01	47.02	1345.46	86.82	1340.88	72.04
6/22/00 22:03	47.05	1345.46	86.82	1340.85	72.02
6/22/00 22:04	47.07	1345.47	86.81	1340.87	72.00
6/22/00 22:05	47.08	1345.46	86.81	1340.94	71.96
6/22/00 22:06	47.10	1345.47	86.81	1340.92	71.95
6/22/00 22:07	47.12	1345.46	86.81	1340.88	71.94
6/22/00 22:09	47.15	1345.47	86.81	1340.83	71.92
6/22/00 22:10	47.17	1345.46	86.80	1340.77	71.91
6/22/00 22:11	47.18	1345.46	86.80	1340.79	71.92
6/22/00 22:12	47.20	1345.46	86.80	1340.81	71.94
6/22/00 22:13	47.22	1345.47	86.80	1340.80	71.96
6/22/00 22:15	47.25	1345.48	86.79	1340.77	71.98
6/22/00 22:16	47.27	1345.47	86.79	1340.83	72.00
6/22/00 22:17	47.28	1345.47	86.79	1340.84	72.01
6/22/00 22:18	47.30	1345.47	86.79	1340.82	72.00
6/22/00 22:19	47.32	1345.47	86.79	1340.83	72.00
6/22/00 22:21	47.35	1345.48	86.78	1340.84	71.99
6/22/00 22:22	47.37	1345.47	86.78	1340.87	71.98
6/22/00 22:23	47.38	1345.48	86.78	1340.85	71.99
6/22/00 22:24	47.40	1345.48	86.78	1340.83	72.00
6/22/00 22:25	47.42	1345.47	86.78	1340.90	72.01
6/22/00 22:27	47.45	1345.48	86.77	1340.87	72.03
6/22/00 22:28	47.47	1345.48	86.77	1340.82	72.04
6/22/00 22:29	47.48	1345.48	86.77	1340.83	72.07
6/22/00 22:30	47.50	1345.48	86.77	1340.88	72.08
6/22/00 22:31	47.52	1345.49	86.76	1340.83	72.09
6/22/00 22:33	47.55	1345.49	86.76	1340.80	72.10
6/22/00 22:34	47.57	1345.50	86.76	1340.83	72.11
6/22/00 22:35	47.58	1345.48	86.75	1340.84	72.10
6/22/00 22:36	47.60	1345.50	86.75	1340.80	72.08
6/22/00 22:37	47.62	1345.48	86.75	1340.83	72.05
6/22/00 22:39	47.65	1345.49	86.74	1340.79	72.03
6/22/00 22:40	47.67	1345.49	86.74	1340.69	72.00
6/22/00 22:41	47.68	1345.49	86.74	1340.94	71.99
6/22/00 22:42	47.70	1345.49	86.74	1340.87	72.01
6/22/00 22:43	47.72	1345.48	86.74	1340.87	72.03
6/22/00 22:45	47.75	1345.50	86.73	1340.86	72.05
6/22/00 22:46	47.77	1345.48	86.73	1340.85	72.07
6/22/00 22:47	47.78	1345.49	86.73	1340.81	72.07
6/22/00 22:48	47.80	1345.49	86.73	1340.85	72.04
6/22/00 22:49	47.82	1345.49	86.73	1340.84	72.02
6/22/00 22:51	47.85	1345.50	86.72	1340.82	72.00
6/22/00 22:52	47.87	1345.50	86.72	1340.80	71.98
6/22/00 22:53	47.88	1345.49	86.72	1340.87	71.97
6/22/00 22:54	47.90	1345.51	86.72	1340.92	71.99
6/22/00 22:55	47.92	1345.49	86.72	1340.89	72.01
6/22/00 22:57	47.95	1345.50	86.71	1340.90	72.03
6/22/00 22:58	47.97	1345.50	86.71	1340.87	72.05
6/22/00 22:59	47.98	1345.50	86.71	1340.86	72.04
6/22/00 23:00	48.00	1345.50	86.71	1340.85	72.02
6/22/00 23:01	48.02	1345.50	86.71	1340.71	71.99
6/22/00 23:03	48.05	1345.51	86.71	1340.80	71.97
6/22/00 23:04	48.07	1345.51	86.70	1340.89	71.94
6/22/00 23:05	48.08	1345.50	86.70	1340.96	71.90
6/22/00 23:06	48.10	1345.50	86.70	1340.96	71.89
6/22/00 23:07	48.12	1345.50	86.70	1340.92	71.88
6/22/00 23:09	48.15	1345.50	86.69	1340.83	71.87
6/22/00 23:10	48.17	1345.51	86.69	1340.90	71.86
6/22/00 23:11	48.18	1345.50	86.69	1340.85	71.86
6/22/00 23:12	48.20	1345.52	86.69	1340.86	71.87
6/22/00 23:13	48.22	1345.50	86.68	1340.88	71.89
6/22/00 23:15	48.25	1345.51	86.68	1340.94	71.90
6/22/00 23:16	48.27	1345.50	86.68	1340.89	71.92
6/22/00 23:17	48.28	1345.51	86.68	1340.88	71.95
6/22/00 23:18	48.30	1345.51	86.68	1340.90	71.96
6/22/00 23:19	48.32	1345.51	86.68	1340.92	71.98
6/22/00 23:21	48.35	1345.51	86.68	1340.89	71.99
6/22/00 23:22	48.37	1345.52	86.68	1340.87	72.01
6/22/00 23:23	48.38	1345.52	86.68	1340.88	72.01
6/22/00 23:24	48.40	1345.52	86.68	1340.92	71.99
6/22/00 23:25	48.42	1345.51	86.68	1340.90	71.98

6/22/00 23:27	48.45	1345.52	86.67	1340.85	71.96
6/22/00 23:28	48.47	1345.52	86.67	1340.82	71.94
6/22/00 23:29	48.48	1345.52	86.67	1340.88	71.93
6/22/00 23:30	48.50	1345.52	86.67	1340.94	71.94
6/22/00 23:31	48.52	1345.52	86.67	1340.96	71.94
6/22/00 23:33	48.55	1345.51	86.66	1340.91	71.95
6/22/00 23:34	48.57	1345.52	86.66	1340.91	71.95
6/22/00 23:35	48.58	1345.51	86.66	1340.89	71.95
6/22/00 23:36	48.60	1345.52	86.66	1340.92	71.94
6/22/00 23:37	48.62	1345.52	86.66	1340.92	71.94
6/22/00 23:39	48.65	1345.53	86.65	1340.88	71.93
6/22/00 23:40	48.67	1345.51	86.65	1340.86	71.92
6/22/00 23:41	48.68	1345.53	86.65	1340.87	71.94
6/22/00 23:42	48.70	1345.53	86.65	1340.88	71.96
6/22/00 23:43	48.72	1345.53	86.65	1340.89	71.98
6/22/00 23:45	48.75	1345.52	86.65	1340.91	72.00
6/22/00 23:46	48.77	1345.53	86.64	1340.84	72.02
6/22/00 23:47	48.78	1345.53	86.64	1340.74	72.03
6/22/00 23:48	48.80	1345.53	86.64	1340.85	72.03
6/22/00 23:49	48.82	1345.53	86.64	1340.91	72.02
6/22/00 23:51	48.85	1345.54	86.64	1340.87	72.01
6/22/00 23:52	48.87	1345.53	86.64	1340.93	72.01
6/22/00 23:53	48.88	1345.53	86.64	1340.89	72.01
6/22/00 23:54	48.90	1345.53	86.64	1340.90	72.02
6/22/00 23:55	48.92	1345.52	86.64	1340.90	72.02
6/22/00 23:57	48.95	1345.52	86.63	1340.92	72.03
6/22/00 23:58	48.97	1345.52	86.63	1340.91	72.04
6/22/00 23:59	48.98	1345.53	86.63	1340.84	72.04
6/23/00 0:00	49.00	1345.53	86.62	1340.70	72.02
6/23/00 0:01	49.02	1345.54	86.62	1340.82	72.01
6/23/00 0:03	49.05	1345.53	86.62	1340.96	72.00
6/23/00 0:04	49.07	1345.53	86.62	1340.90	71.99
6/23/00 0:05	49.08	1345.52	86.62	1340.85	71.99
6/23/00 0:06	49.10	1345.53	86.62	1340.85	72.01
6/23/00 0:07	49.12	1345.54	86.62	1340.89	72.02
6/23/00 0:09	49.15	1345.53	86.61	1340.82	72.04
6/23/00 0:10	49.17	1345.54	86.61	1340.84	72.05
6/23/00 0:11	49.18	1345.53	86.61	1340.92	72.05
6/23/00 0:12	49.20	1345.53	86.61	1340.92	72.03
6/23/00 0:13	49.22	1345.53	86.61	1340.84	72.02
6/23/00 0:15	49.25	1345.54	86.61	1340.83	72.00
6/23/00 0:16	49.27	1345.53	86.61	1340.89	71.98
6/23/00 0:17	49.28	1345.54	86.60	1340.93	71.96
6/23/00 0:18	49.30	1345.53	86.60	1340.99	71.95
6/23/00 0:19	49.32	1345.53	86.60	1341.00	71.94
6/23/00 0:21	49.35	1345.02	86.59	1340.93	71.93
6/23/00 0:22	49.37	1345.02	86.58	1340.86	71.92
6/23/00 0:23	49.38	1345.00	86.58	1340.88	71.92
6/23/00 0:24	49.40	1345.00	86.57	1340.88	71.93
6/23/00 0:25	49.42	1344.80	86.57	1340.82	71.94
6/23/00 0:27	49.45	1344.79	86.56	1340.81	71.95
6/23/00 0:28	49.47	1344.80	86.55	1340.87	71.96
6/23/00 0:29	49.48	1344.29	86.55	1340.84	71.99
6/23/00 0:30	49.50	1343.88	86.54	1340.89	72.01
6/23/00 0:31	49.52	1343.66	86.54	1340.92	72.02
6/23/00 0:33	49.55	1343.56	86.53	1340.83	72.04
6/23/00 0:34	49.57	1342.14	86.53	1340.88	72.06
6/23/00 0:35	49.58	1341.79	86.53	1340.94	72.07
6/23/00 0:36	49.60	1341.71	86.53	1340.89	72.06
6/23/00 0:37	49.62	1341.69	86.53	1340.81	72.06
6/23/00 0:39	49.65	1341.67	86.53	1340.76	72.05
6/23/00 0:40	49.67	1341.66	86.54	1340.68	72.04
6/23/00 0:41	49.68	1341.65	86.54	1340.81	72.03
6/23/00 0:42	49.70	1341.65	86.54	1340.82	72.03
6/23/00 0:43	49.72	1341.64	86.55	1340.81	72.03
6/23/00 0:45	49.75	1341.63	86.55	1340.79	72.03
6/23/00 0:46	49.77	1341.62	86.55	1340.85	72.03
6/23/00 0:47	49.78	1341.61	86.55	1340.68	72.03
6/23/00 0:48	49.80	1341.64	86.55	1340.63	72.02
6/23/00 0:49	49.82	1341.71	86.55	1340.75	72.01
6/23/00 0:51	49.85	1341.72	86.54	1340.81	72.00
6/23/00 0:52	49.87	1341.73	86.54	1340.90	72.00
6/23/00 0:53	49.88	1341.73	86.54	1340.91	71.99
6/23/00 0:54	49.90	1341.72	86.54	1340.80	72.00
6/23/00 0:55	49.92	1341.72	86.54	1340.83	72.00
6/23/00 0:57	49.95	1341.72	86.53	1340.87	72.00
6/23/00 0:58	49.97	1341.67	86.53	1340.80	72.01
6/23/00 0:59	49.98	1341.62	86.52	1340.89	72.01
6/23/00 1:00	50.00	1341.60	86.52	1340.86	72.01
6/23/00 1:01	50.02	1341.59	86.52	1340.78	72.01
6/23/00 1:03	50.05	1341.59	86.51	1340.80	72.01

6/23/00 1:04	50.07	1341.58	86.51	1340.77	72.01
6/23/00 1:05	50.08	1341.58	86.51	1340.76	72.02
6/23/00 1:06	50.10	1341.58	86.51	1340.77	72.03
6/23/00 1:07	50.12	1341.58	86.50	1340.75	72.03
6/23/00 1:09	50.15	1341.57	86.50	1340.76	72.04
6/23/00 1:10	50.17	1341.57	86.50	1340.72	72.05
6/23/00 1:11	50.18	1341.57	86.50	1340.81	72.04
6/23/00 1:12	50.20	1341.57	86.49	1340.69	72.03
6/23/00 1:13	50.22	1341.57	86.49	1340.73	72.03
6/23/00 1:15	50.25	1341.56	86.49	1340.78	72.02
6/23/00 1:16	50.27	1341.56	86.49	1340.77	72.01
6/23/00 1:17	50.28	1341.56	86.49	1340.74	72.01
6/23/00 1:18	50.30	1341.56	86.48	1340.77	72.03
6/23/00 1:19	50.32	1341.56	86.48	1340.79	72.05
6/23/00 1:21	50.35	1341.56	86.48	1340.87	72.07
6/23/00 1:22	50.37	1341.55	86.48	1340.82	72.08
6/23/00 1:23	50.38	1341.55	86.47	1340.85	72.05
6/23/00 1:24	50.40	1341.55	86.47	1340.80	72.00
6/23/00 1:25	50.42	1341.55	86.47	1340.72	71.96
6/23/00 1:27	50.45	1341.55	86.46	1340.76	71.91
6/23/00 1:28	50.47	1341.55	86.46	1340.88	71.86
6/23/00 1:29	50.48	1341.55	86.46	1340.74	71.83
6/23/00 1:30	50.50	1341.55	86.46	1340.69	71.85
6/23/00 1:31	50.52	1341.55	86.46	1340.70	71.87
6/23/00 1:33	50.55	1341.54	86.46	1340.71	71.88
6/23/00 1:34	50.57	1341.54	86.45	1340.68	71.90
6/23/00 1:35	50.58	1341.54	86.45	1340.77	71.93
6/23/00 1:36	50.60	1341.54	86.45	1340.79	71.94
6/23/00 1:37	50.62	1341.53	86.45	1340.70	71.95
6/23/00 1:39	50.65	1341.54	86.44	1340.68	71.96
6/23/00 1:40	50.67	1341.53	86.44	1340.71	71.97
6/23/00 1:41	50.68	1341.53	86.44	1340.85	71.99
6/23/00 1:42	50.70	1341.53	86.44	1340.85	72.00
6/23/00 1:43	50.72	1341.53	86.43	1340.86	72.00
6/23/00 1:45	50.75	1341.53	86.43	1340.79	72.01
6/23/00 1:46	50.77	1341.53	86.43	1340.73	72.02
6/23/00 1:47	50.78	1341.52	86.43	1340.72	72.02
6/23/00 1:48	50.80	1341.52	86.42	1340.80	72.02
6/23/00 1:49	50.82	1341.52	86.42	1340.77	72.01
6/23/00 1:51	50.85	1341.52	86.42	1340.74	72.00
6/23/00 1:52	50.87	1341.52	86.42	1340.80	71.99
6/23/00 1:53	50.88	1341.52	86.42	1340.73	71.99
6/23/00 1:54	50.90	1341.52	86.42	1340.57	71.99
6/23/00 1:55	50.92	1341.52	86.41	1340.70	71.98
6/23/00 1:57	50.95	1341.52	86.41	1340.78	71.98
6/23/00 1:58	50.97	1341.51	86.41	1340.84	71.98
6/23/00 1:59	50.98	1341.51	86.41	1340.75	71.97
6/23/00 2:00	51.00	1341.50	86.40	1340.78	71.96
6/23/00 2:01	51.02	1341.51	86.40	1340.66	71.94
6/23/00 2:03	51.05	1341.51	86.40	1340.75	71.93
6/23/00 2:04	51.07	1341.50	86.39	1340.81	71.91
6/23/00 2:05	51.08	1341.51	86.39	1340.80	71.91
6/23/00 2:06	51.10	1341.50	86.39	1340.76	71.91
6/23/00 2:07	51.12	1341.50	86.39	1340.75	71.92
6/23/00 2:09	51.15	1341.50	86.39	1340.72	71.93
6/23/00 2:10	51.17	1341.50	86.38	1340.81	71.94
6/23/00 2:11	51.18	1341.49	86.38	1340.71	71.96
6/23/00 2:12	51.20	1341.49	86.38	1340.68	71.97
6/23/00 2:13	51.22	1341.49	86.38	1340.77	71.98
6/23/00 2:15	51.25	1341.49	86.38	1340.75	71.99
6/23/00 2:16	51.27	1341.49	86.37	1340.73	72.00
6/23/00 2:17	51.28	1341.49	86.37	1340.62	72.01
6/23/00 2:18	51.30	1341.49	86.37	1340.66	72.01
6/23/00 2:19	51.32	1341.48	86.37	1340.72	72.00
6/23/00 2:21	51.35	1341.49	86.37	1340.77	72.00
6/23/00 2:22	51.37	1341.49	86.37	1340.76	72.00
6/23/00 2:23	51.38	1341.48	86.37	1340.76	71.98
6/23/00 2:24	51.40	1341.48	86.37	1340.80	71.97
6/23/00 2:25	51.42	1341.48	86.37	1340.77	71.96
6/23/00 2:27	51.45	1341.47	86.37	1340.75	71.94
6/23/00 2:28	51.47	1341.47	86.36	1340.73	71.93
6/23/00 2:29	51.48	1341.47	86.35	1340.73	71.93
6/23/00 2:30	51.50	1341.47	86.35	1340.68	71.94
6/23/00 2:31	51.52	1341.46	86.34	1340.72	71.96
6/23/00 2:33	51.55	1341.47	86.33	1340.70	71.97
6/23/00 2:34	51.57	1341.46	86.33	1340.68	71.98
6/23/00 2:35	51.58	1341.46	86.32	1340.77	71.98
6/23/00 2:36	51.60	1341.46	86.32	1340.73	71.97
6/23/00 2:37	51.62	1341.46	86.32	1340.76	71.96
6/23/00 2:39	51.65	1341.45	86.32	1340.76	71.94
6/23/00 2:40	51.67	1341.45	86.32	1340.64	71.93

6/23/00 2:41	51.68	1341.46	86.32	1340.81	71.92
6/23/00 2:42	51.70	1341.46	86.32	1340.81	71.93
6/23/00 2:43	51.72	1341.46	86.32	1340.86	71.94
6/23/00 2:45	51.75	1341.45	86.32	1340.73	71.95
6/23/00 2:46	51.77	1341.45	86.32	1340.71	71.96
6/23/00 2:47	51.78	1341.44	86.32	1340.77	71.96
6/23/00 2:48	51.80	1341.44	86.32	1340.76	71.95
6/23/00 2:49	51.82	1341.45	86.32	1340.69	71.94
6/23/00 2:51	51.85	1341.44	86.31	1340.78	71.93
6/23/00 2:52	51.87	1341.44	86.31	1340.71	71.92
6/23/00 2:53	51.88	1341.44	86.31	1340.69	71.90
6/23/00 2:54	51.90	1341.43	86.31	1340.73	71.90
6/23/00 2:55	51.92	1341.43	86.30	1340.74	71.89
6/23/00 2:57	51.95	1341.43	86.30	1340.85	71.88
6/23/00 2:58	51.97	1341.43	86.31	1340.76	71.87
6/23/00 2:59	51.98	1341.43	86.31	1340.80	71.89
6/23/00 3:00	52.00	1341.43	86.31	1340.78	71.91
6/23/00 3:01	52.02	1341.43	86.31	1340.74	71.93
6/23/00 3:03	52.05	1341.43	86.31	1340.71	71.95
6/23/00 3:04	52.07	1341.42	86.30	1340.67	71.97
6/23/00 3:05	52.08	1341.41	86.30	1340.68	71.99
6/23/00 3:06	52.10	1341.41	86.29	1340.67	72.00
6/23/00 3:07	52.12	1341.41	86.29	1340.66	72.00
6/23/00 3:09	52.15	1341.41	86.28	1340.79	72.00
6/23/00 3:10	52.17	1341.41	86.29	1340.79	72.01
6/23/00 3:11	52.18	1341.41	86.29	1340.78	72.00
6/23/00 3:12	52.20	1341.41	86.29	1340.69	71.99
6/23/00 3:13	52.22	1341.41	86.29	1340.67	71.98
6/23/00 3:15	52.25	1341.40	86.28	1340.71	71.97
6/23/00 3:16	52.27	1341.40	86.27	1340.69	71.96
6/23/00 3:17	52.28	1341.39	86.27	1340.71	71.95
6/23/00 3:18	52.30	1341.39	86.26	1340.73	71.95
6/23/00 3:19	52.32	1341.39	86.25	1340.77	71.96
6/23/00 3:21	52.35	1341.39	86.25	1340.76	71.96
6/23/00 3:22	52.37	1341.39	86.25	1340.70	71.96
6/23/00 3:23	52.38	1341.39	86.25	1340.85	71.98
6/23/00 3:24	52.40	1341.39	86.25	1340.80	71.99
6/23/00 3:25	52.42	1341.39	86.25	1340.80	72.01
6/23/00 3:27	52.45	1341.39	86.25	1340.73	72.02
6/23/00 3:28	52.47	1341.38	86.25	1340.58	72.04
6/23/00 3:29	52.48	1341.38	86.25	1340.74	72.04
6/23/00 3:30	52.50	1341.38	86.25	1340.76	72.03
6/23/00 3:31	52.52	1341.38	86.25	1340.72	72.01
6/23/00 3:33	52.55	1341.37	86.25	1340.65	72.00
6/23/00 3:34	52.57	1341.37	86.25	1340.64	71.99
6/23/00 3:35	52.58	1341.37	86.25	1340.72	71.99
6/23/00 3:36	52.60	1341.37	86.25	1340.70	72.00
6/23/00 3:37	52.62	1341.37	86.24	1340.70	72.02
6/23/00 3:39	52.65	1341.37	86.24	1340.71	72.03
6/23/00 3:40	52.67	1341.37	86.24	1340.63	72.04
6/23/00 3:41	52.68	1341.36	86.24	1340.74	72.02
6/23/00 3:42	52.70	1341.34	86.23	1340.72	71.99
6/23/00 3:43	52.72	1341.34	86.23	1340.74	71.96
6/23/00 3:45	52.75	1341.35	86.23	1340.74	71.93
6/23/00 3:46	52.77	1341.35	86.23	1340.74	71.89
6/23/00 3:47	52.78	1341.35	86.23	1340.73	71.88
6/23/00 3:48	52.80	1341.35	86.23	1340.73	71.91
6/23/00 3:49	52.82	1341.35	86.23	1340.73	71.93
6/23/00 3:51	52.85	1341.34	86.23	1340.74	71.95
6/23/00 3:52	52.87	1341.34	86.22	1340.84	71.97
6/23/00 3:53	52.88	1341.34	86.22	1340.62	71.98
6/23/00 3:54	52.90	1341.34	86.22	1340.61	71.96
6/23/00 3:55	52.92	1341.34	86.22	1340.55	71.95
6/23/00 3:57	52.95	1341.33	86.22	1340.57	71.94
6/23/00 3:58	52.97	1341.34	86.22	1340.65	71.92
6/23/00 3:59	52.98	1341.33	86.21	1340.73	71.91
6/23/00 4:00	53.00	1341.33	86.21	1340.74	71.91
6/23/00 4:01	53.02	1341.33	86.21	1340.74	71.91
6/23/00 4:03	53.05	1341.33	86.21	1340.73	71.91
6/23/00 4:04	53.07	1341.33	86.21	1340.76	71.91
6/23/00 4:05	53.08	1341.32	86.21	1340.71	71.91
6/23/00 4:06	53.10	1341.32	86.22	1340.72	71.92
6/23/00 4:07	53.12	1341.31	86.22	1340.81	71.93
6/23/00 4:09	53.15	1341.31	86.21	1340.74	71.94
6/23/00 4:10	53.17	1341.30	86.20	1340.61	71.95
6/23/00 4:11	53.18	1341.31	86.20	1340.61	71.95
6/23/00 4:12	53.20	1341.31	86.19	1340.63	71.94
6/23/00 4:13	53.22	1341.31	86.18	1340.70	71.94
6/23/00 4:15	53.25	1341.30	86.17	1340.71	71.93
6/23/00 4:16	53.27	1341.30	86.17	1340.71	71.93
6/23/00 4:17	53.28	1341.29	86.16	1340.71	71.93



6/23/00 4:18	53.30	1341.29	86.16	1340.68	71.95
6/23/00 4:19	53.32	1341.29	86.15	1340.65	71.96
6/23/00 4:21	53.35	1341.30	86.15	1340.66	71.97
6/23/00 4:22	53.37	1341.29	86.15	1340.67	71.99
6/23/00 4:23	53.38	1341.28	86.15	1340.65	71.97
6/23/00 4:24	53.40	1341.28	86.16	1340.61	71.95
6/23/00 4:25	53.42	1341.29	86.16	1340.60	71.93
6/23/00 4:27	53.45	1341.29	86.16	1340.61	71.90
6/23/00 4:28	53.47	1341.28	86.16	1340.57	71.88
6/23/00 4:29	53.48	1341.28	86.16	1340.74	71.85
6/23/00 4:30	53.50	1341.28	86.16	1340.74	71.85
6/23/00 4:31	53.52	1341.28	86.16	1340.56	71.85
6/23/00 4:33	53.55	1341.27	86.16	1340.54	71.85
6/23/00 4:34	53.57	1341.27	86.15	1340.62	71.85
6/23/00 4:35	53.58	1341.26	86.14	1340.63	71.85
6/23/00 4:36	53.60	1341.26	86.13	1340.64	71.86
6/23/00 4:37	53.62	1341.25	86.13	1340.67	71.87
6/23/00 4:39	53.65	1341.25	86.12	1340.68	71.87
6/23/00 4:40	53.67	1341.25	86.12	1340.61	71.88
6/23/00 4:41	53.68	1341.26	86.12	1340.62	71.89
6/23/00 4:42	53.70	1341.26	86.12	1340.64	71.89
6/23/00 4:43	53.72	1341.26	86.12	1340.69	71.90
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6/23/00 4:54	53.90	1341.24	86.10	1340.58	71.81
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6/23/00 5:00	54.00	1341.22	86.08	1340.69	71.92
6/23/00 5:01	54.02	1341.22	86.07	1340.64	71.90
6/23/00 5:03	54.05	1341.22	86.07	1340.63	71.89
6/23/00 5:04	54.07	1341.22	86.07	1340.61	71.87
6/23/00 5:05	54.08	1341.23	86.07	1340.68	71.88
6/23/00 5:06	54.10	1341.23	86.08	1340.67	71.91
6/23/00 5:07	54.12	1341.23	86.08	1340.68	71.94
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6/23/00 5:11	54.18	1341.21	86.09	1340.69	72.03
6/23/00 5:12	54.20	1341.21	86.09	1340.70	72.05
6/23/00 5:13	54.22	1341.20	86.09	1340.66	72.07
6/23/00 5:15	54.25	1341.21	86.08	1340.63	72.08
6/23/00 5:16	54.27	1341.19	86.07	1340.69	72.10
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6/23/00 5:19	54.32	1341.18	86.04	1340.64	72.10
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6/23/00 5:22	54.37	1341.20	86.03	1340.56	72.09
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6/23/00 5:24	54.40	1341.19	86.03	1340.76	72.04
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6/23/00 5:28	54.47	1341.19	86.03	1340.68	71.97
6/23/00 5:29	54.48	1341.18	86.03	1340.70	71.91
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6/23/00 5:31	54.52	1341.17	86.03	1340.65	71.85
6/23/00 5:33	54.55	1341.18	86.03	1340.58	71.82
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6/23/00 5:35	54.58	1341.17	86.04	1340.59	71.77
6/23/00 5:36	54.60	1341.17	86.04	1340.61	71.79
6/23/00 5:37	54.62	1341.17	86.04	1340.62	71.80
6/23/00 5:39	54.65	1341.17	86.04	1340.72	71.82
6/23/00 5:40	54.67	1341.17	86.04	1340.75	71.83
6/23/00 5:41	54.68	1341.15	86.03	1340.73	71.86
6/23/00 5:42	54.70	1341.16	86.03	1340.75	71.87
6/23/00 5:43	54.72	1341.16	86.03	1340.68	71.89
6/23/00 5:45	54.75	1341.16	86.03	1340.65	71.90
6/23/00 5:46	54.77	1341.16	86.04	1340.67	71.91
6/23/00 5:47	54.78	1341.16	86.04	1340.70	71.91
6/23/00 5:48	54.80	1341.15	86.05	1340.64	71.89
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6/23/00 5:58	54.97	1341.22	86.01	1340.68	71.86
6/23/00 5:59	54.98	1341.23	86.01	1340.69	71.84
6/23/00 6:00	55.00	1341.24	86.00	1340.62	71.82
6/23/00 6:01	55.02	1341.24	85.99	1340.69	71.79
6/23/00 6:03	55.05	1341.25	85.98	1340.71	71.77
6/23/00 6:04	55.07	1341.25	85.98	1340.62	71.75
6/23/00 6:05	55.08	1341.25	85.98	1340.62	71.75
6/23/00 6:06	55.10	1341.26	85.99	1340.60	71.77
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6/23/00 6:09	55.15	1341.26	85.98	1340.66	71.81
6/23/00 6:10	55.17	1341.25	85.98	1340.66	71.83
6/23/00 6:11	55.18	1341.26	85.97	1340.73	71.87
6/23/00 6:12	55.20	1341.25	85.97	1340.75	71.88
6/23/00 6:13	55.22	1341.23	85.96	1340.74	71.90
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6/23/00 6:16	55.27	1341.24	85.95	1340.69	71.93
6/23/00 6:17	55.28	1341.24	85.94	1340.69	71.93
6/23/00 6:18	55.30	1341.25	85.94	1340.77	71.91
6/23/00 6:19	55.32	1341.26	85.93	1340.78	71.89
6/23/00 6:21	55.35	1341.26	85.93	1340.71	71.87
6/23/00 6:22	55.37	1341.26	85.94	1340.59	71.86
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6/23/00 6:31	55.52	1341.27	85.97	1340.58	71.84
6/23/00 6:33	55.55	1341.25	85.98	1340.57	71.85
6/23/00 6:34	55.57	1341.25	85.98	1340.61	71.86
6/23/00 6:35	55.58	1341.26	85.98	1340.74	71.88
6/23/00 6:36	55.60	1341.27	85.98	1340.70	71.89
6/23/00 6:37	55.62	1341.27	85.98	1340.73	71.90
6/23/00 6:39	55.65	1341.26	85.97	1340.75	71.91
6/23/00 6:40	55.67	1341.25	85.96	1340.66	71.92
6/23/00 6:41	55.68	1341.25	85.95	1340.69	71.95
6/23/00 6:42	55.70	1341.25	85.94	1340.67	71.97
6/23/00 6:43	55.72	1341.25	85.94	1340.69	71.99
6/23/00 6:45	55.75	1341.24	85.93	1340.72	72.01
6/23/00 6:46	55.77	1341.25	85.93	1340.79	72.02
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6/23/00 6:48	55.80	1341.27	85.94	1340.57	72.00
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6/23/00 7:00	56.00	1341.24	85.90	1340.67	71.97
6/23/00 7:01	56.02	1341.24	85.89	1340.75	71.96
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6/23/00 7:05	56.08	1341.25	85.89	1340.72	71.91
6/23/00 7:06	56.10	1341.25	85.89	1340.71	71.89
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6/23/00 7:11	56.18	1341.21	85.86	1340.73	71.84
6/23/00 7:12	56.20	1341.22	85.86	1340.76	71.86
6/23/00 7:13	56.22	1341.22	85.85	1340.76	71.87
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6/23/00 7:16	56.27	1341.22	85.83	1340.72	71.90
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6/23/00 7:18	56.30	1341.26	85.83	1340.68	71.89
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6/23/00 7:21	56.35	1341.27	85.84	1340.67	71.87
6/23/00 7:22	56.37	1341.27	85.85	1340.69	71.85
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6/23/00 7:24	56.40	1341.27	85.86	1340.73	71.83
6/23/00 7:25	56.42	1341.27	85.87	1340.75	71.83
6/23/00 7:27	56.45	1341.27	85.87	1340.73	71.82
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6/23/00 7:29	56.48	1341.25	85.85	1340.70	71.85
6/23/00 7:30	56.50	1341.25	85.84	1340.71	71.88
6/23/00 7:31	56.52	1341.25	85.83	1340.78	71.92

6/23/00 7:33	56.55	1341.27	85.82	1340.68	71.95
6/23/00 7:34	56.57	1341.28	85.83	1340.70	71.98
6/23/00 7:35	56.58	1341.26	85.83	1340.76	71.99
6/23/00 7:36	56.60	1341.27	85.84	1340.73	71.96
6/23/00 7:37	56.62	1341.27	85.84	1340.66	71.94
6/23/00 7:39	56.65	1341.27	85.85	1340.69	71.91
6/23/00 7:40	56.67	1341.26	85.85	1340.74	71.88
6/23/00 7:41	56.68	1341.25	85.85	1340.71	71.86
6/23/00 7:42	56.70	1341.26	85.85	1340.74	71.87
6/23/00 7:43	56.72	1341.27	85.85	1340.74	71.88
6/23/00 7:45	56.75	1341.26	85.85	1340.73	71.89
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6/23/00 8:11	57.18	1341.25	85.78	1340.78	71.86
6/23/00 8:12	57.20	1341.26	85.78	1340.76	71.84
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6/23/00 8:29	57.48	1341.24	85.74	1340.77	71.90
6/23/00 8:30	57.50	1341.24	85.74	1340.70	71.91
6/23/00 8:31	57.52	1341.23	85.74	1340.81	71.92
6/23/00 8:33	57.55	1341.24	85.74	1340.77	71.93
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6/23/00 8:40	57.67	1341.23	85.71	1340.73	71.86
6/23/00 8:41	57.68	1341.22	85.70	1340.72	71.84
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6/23/00 8:51	57.85	1341.24	85.72	1340.84	71.85
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6/23/00 8:53	57.88	1341.25	85.73	1340.81	71.86
6/23/00 8:54	57.90	1341.25	85.73	1340.73	71.83
6/23/00 8:55	57.92	1341.25	85.73	1340.71	71.81
6/23/00 8:57	57.95	1341.25	85.72	1340.73	71.78
6/23/00 8:58	57.97	1341.24	85.71	1340.70	71.76
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6/23/00 9:00	58.00	1341.23	85.69	1340.80	71.79
6/23/00 9:01	58.02	1341.22	85.67	1340.78	71.81
6/23/00 9:03	58.05	1341.24	85.67	1340.78	71.84
6/23/00 9:04	58.07	1341.24	85.67	1340.78	71.87
6/23/00 9:05	58.08	1341.24	85.67	1340.78	71.88
6/23/00 9:06	58.10	1341.23	85.67	1340.70	71.86
6/23/00 9:07	58.12	1341.25	85.68	1340.83	71.85
6/23/00 9:09	58.15	1341.24	85.68	1340.77	71.83

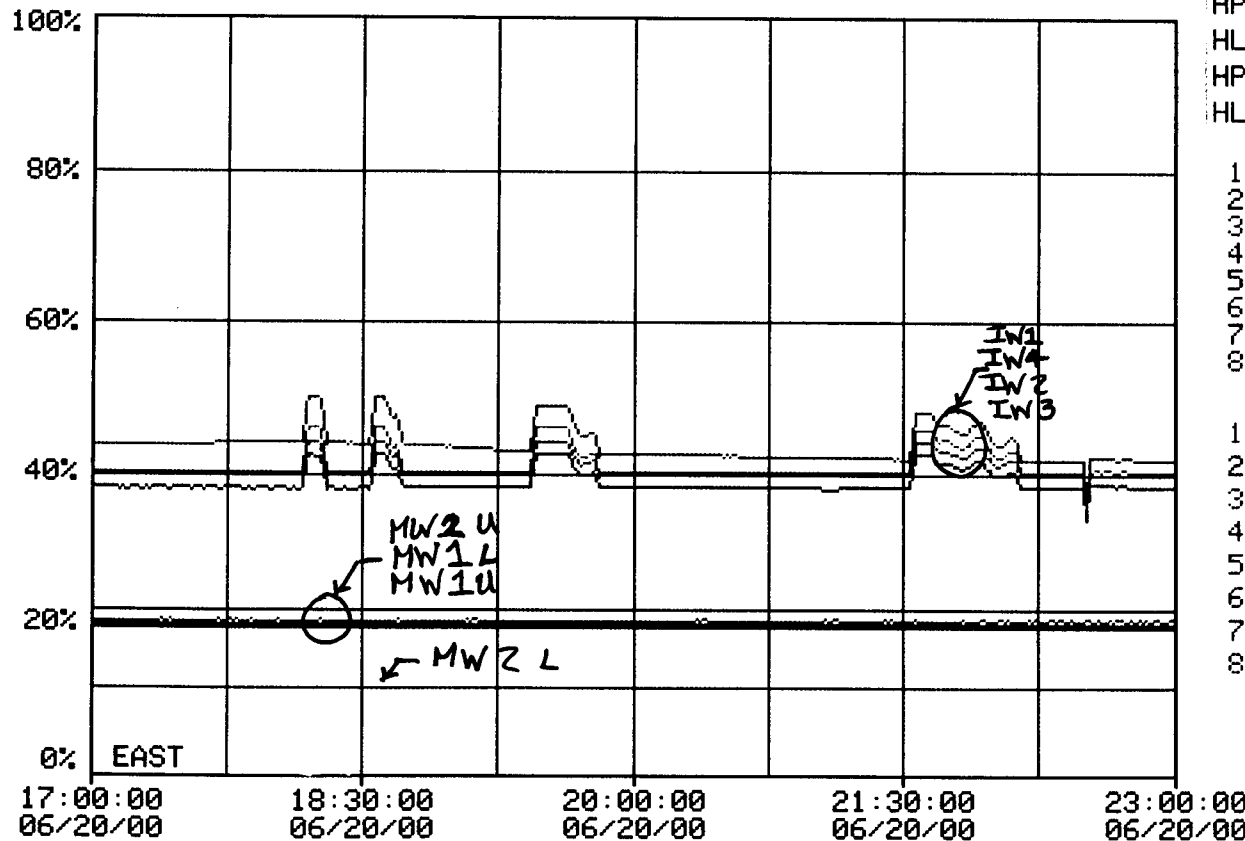
6/23/00 9:10	58.17	1341.24	85.68	1340.78	71.82
6/23/00 9:11	58.18	1341.25	85.69	1340.74	71.81
6/23/00 9:12	58.20	1341.25	85.69	1340.73	71.82
6/23/00 9:13	58.22	1341.25	85.70	1340.73	71.83
6/23/00 9:15	58.25	1341.25	85.70	1340.79	71.84
6/23/00 9:16	58.27	1341.24	85.70	1340.78	71.85
6/23/00 9:17	58.28	1341.23	85.71	1340.72	71.86
6/23/00 9:18	58.30	1341.23	85.71	1340.68	71.86
6/23/00 9:19	58.32	1341.23	85.71	1340.74	71.86
6/23/00 9:21	58.35	1341.23	85.71	1340.77	71.86
6/23/00 9:22	58.37	1341.22	85.70	1340.76	71.86
6/23/00 9:23	58.38	1341.23	85.70	1340.76	71.86
6/23/00 9:24	58.40	1341.22	85.69	1340.77	71.85
6/23/00 9:25	58.42	1341.20	85.68	1340.80	71.85
6/23/00 9:27	58.45	1341.21	85.66	1340.79	71.85
6/23/00 9:28	58.47	1341.20	85.65	1340.80	71.84
6/23/00 9:29	58.48	1341.21	85.64	1340.73	71.84
6/23/00 9:30	58.50	1341.22	85.62	1340.76	71.84
6/23/00 9:31	58.52	1341.21	85.61	1340.77	71.84
6/23/00 9:33	58.55	1341.23	85.60	1340.75	71.84
6/23/00 9:34	58.57	1341.24	85.61	1340.80	71.85
6/23/00 9:35	58.58	1341.24	85.61	1340.74	71.82
6/23/00 9:36	58.60	1341.25	85.62	1340.69	71.79
6/23/00 9:37	58.62	1341.24	85.63	1340.75	71.77
6/23/00 9:39	58.65	1341.24	85.64	1340.80	71.74
6/23/00 9:40	58.67	1341.24	85.64	1340.79	71.71
6/23/00 9:41	58.68	1341.24	85.64	1340.81	71.72
6/23/00 9:42	58.70	1341.24	85.64	1340.78	71.76
6/23/00 9:43	58.72	1341.23	85.64	1340.79	71.79
6/23/00 9:45	58.75	1341.23	85.64	1340.78	71.83
6/23/00 9:46	58.77	1341.23	85.64	1340.80	71.86
6/23/00 9:47	58.78	1341.23	85.64	1340.82	71.89
6/23/00 9:48	58.80	1341.23	85.64	1340.78	71.88
6/23/00 9:49	58.82	1341.23	85.64	1340.77	71.87
6/23/00 9:51	58.85	1341.23	85.64	1340.84	71.87
6/23/00 9:52	58.87	1341.23	85.64	1340.82	71.86
6/23/00 9:53	58.88	1341.22	85.64	1340.80	71.84
6/23/00 9:54	58.90	1341.20	85.64	1340.82	71.83
6/23/00 9:55	58.92	1341.22	85.64	1340.81	71.82
6/23/00 9:57	58.95	1341.21	85.63	1340.78	71.81
6/23/00 9:58	58.97	1341.21	85.63	1340.73	71.79
6/23/00 9:59	58.98	1341.22	85.62	1340.78	71.81
6/23/00 10:00	59.00	1341.24	85.62	1340.83	71.84
6/23/00 10:01	59.02	1341.24	85.61	1340.78	71.87
6/23/00 10:03	59.05	1341.22	85.60	1340.84	71.89
6/23/00 10:04	59.07	1341.23	85.60	1340.85	71.92
6/23/00 10:05	59.08	1341.23	85.59	1340.68	71.94
6/23/00 10:06	59.10	1341.22	85.59	1340.63	71.93
6/23/00 10:07	59.12	1341.22	85.58	1340.70	71.93
6/23/00 10:09	59.15	1341.21	85.57	1340.77	71.92
6/23/00 10:10	59.17	1341.21	85.57	1340.82	71.91
6/23/00 10:11	59.18	1341.23	85.57	1340.82	71.89
6/23/00 10:12	59.20	1341.23	85.57	1340.82	71.87
6/23/00 10:13	59.22	1341.23	85.57	1340.82	71.86
6/23/00 10:15	59.25	1341.22	85.57	1340.76	71.84
6/23/00 10:16	59.27	1341.22	85.57	1340.78	71.83
6/23/00 10:17	59.28	1341.22	85.57	1340.91	71.81
6/23/00 10:18	59.30	1341.21	85.58	1340.90	71.81
6/23/00 10:19	59.32	1341.21	85.58	1340.78	71.81
6/23/00 10:21	59.35	1341.21	85.58	1340.75	71.81
6/23/00 10:22	59.37	1341.21	85.58	1340.78	71.81
6/23/00 10:23	59.38	1341.20	85.58	1340.77	71.83
6/23/00 10:24	59.40	1341.19	85.58	1340.75	71.85
6/23/00 10:25	59.42	1341.20	85.58	1340.63	71.87
6/23/00 10:27	59.45	1341.20	85.58	1340.79	71.88
6/23/00 10:28	59.47	1341.20	85.58	1340.82	71.90
6/23/00 10:29	59.48	1341.19	85.58	1340.82	71.91
6/23/00 10:30	59.50	1341.19	85.58	1340.86	71.89
6/23/00 10:31	59.52	1341.20	85.58	1340.81	71.88
6/23/00 10:33	59.55	1341.18	85.57	1340.75	71.87
6/23/00 10:34	59.57	1341.18	85.56	1340.82	71.86
6/23/00 10:35	59.58	1341.19	85.55	1340.77	71.83
6/23/00 10:36	59.60	1341.19	85.54	1340.74	71.81
6/23/00 10:37	59.62	1341.19	85.53	1340.74	71.80
6/23/00 10:39	59.65	1341.20	85.52	1340.76	71.78
6/23/00 10:40	59.67	1341.20	85.53	1340.78	71.76
6/23/00 10:41	59.68	1341.19	85.53	1340.75	71.76
6/23/00 10:42	59.70	1341.19	85.53	1340.81	71.77
6/23/00 10:43	59.72	1341.19	85.53	1340.79	71.79
6/23/00 10:45	59.75	1341.20	85.54	1340.76	71.80
6/23/00 10:46	59.77	1341.20	85.54	1340.75	71.81

6/23/00 10:47	59.78	1341.20	85.55	1340.79	71.84
6/23/00 10:48	59.80	1341.20	85.55	1340.82	71.86
6/23/00 10:49	59.82	1341.20	85.56	1340.73	71.88
6/23/00 10:51	59.85	1341.19	85.56	1340.93	71.90
6/23/00 10:52	59.87	1341.19	85.55	1340.82	71.91
6/23/00 10:53	59.88	1341.18	85.54	1340.72	71.92
6/23/00 10:54	59.90	1341.18	85.53	1340.78	71.91
6/23/00 10:55	59.92	1341.18	85.53	1340.82	71.90
6/23/00 10:57	59.95	1341.18	85.51	1340.82	71.89
6/23/00 10:58	59.97	1341.18	85.50	1340.81	71.88
6/23/00 10:59	59.98	1341.18	85.49	1340.80	71.87
6/23/00 11:00	60.00	1341.18	85.48	1340.80	71.88
6/23/00 11:01	60.02	1341.18	85.47	1340.78	71.88
6/23/00 11:03	60.05	1341.19	85.46	1340.81	71.88
6/23/00 11:04	60.07	1341.20	85.46	1340.82	71.88
6/23/00 11:05	60.08	1341.20	85.47	1340.80	71.87
6/23/00 11:06	60.10	1341.20	85.47	1340.76	71.86
6/23/00 11:07	60.12	1341.20	85.48	1340.79	71.84
6/23/00 11:09	60.15	1341.20	85.48	1340.75	71.83
6/23/00 11:10	60.17	1341.19	85.48	1340.78	71.82
6/23/00 11:11	60.18	1341.20	85.48	1340.80	71.82
6/23/00 11:12	60.20	1341.20	85.48	1340.79	71.83
6/23/00 11:13	60.22	1341.19	85.48	1340.79	71.85
6/23/00 11:15	60.25	1341.20	85.49	1340.82	71.86
6/23/00 11:16	60.27	1341.20	85.49	1340.87	71.87
6/23/00 11:17	60.28	1341.19	85.50	1340.86	71.90
6/23/00 11:18	60.30	1341.19	85.50	1340.87	71.91
6/23/00 11:19	60.32	1341.19	85.51	1340.83	71.92
6/23/00 11:21	60.35	1341.19	85.50	1340.82	71.93
6/23/00 11:22	60.37	1341.19	85.50	1340.83	71.94
6/23/00 11:23	60.38	1341.21	85.49	1340.86	71.94
6/23/00 11:24	60.40	1341.21	85.48	1340.80	71.93
6/23/00 11:25	60.42	1341.22	85.47	1340.86	71.92
6/23/00 11:27	60.45	1341.23	85.47	1340.91	71.91
6/23/00 11:28	60.47	1341.22	85.48	1340.89	71.90
6/23/00 11:29	60.48	1341.22	85.48	1340.75	71.89
6/23/00 11:30	60.50	1341.22	85.49	1340.79	71.88
6/23/00 11:31	60.52	1341.23	85.49	1340.85	71.88
6/23/00 11:33	60.55	1341.23	85.49	1340.87	71.88
6/23/00 11:34	60.57	1341.21	85.48	1340.77	71.87
6/23/00 11:35	60.58	1341.19	85.47	1340.82	71.87
6/23/00 11:36	60.60	1341.19	85.46	1340.87	71.88
6/23/00 11:37	60.62	1341.19	85.45	1340.79	71.88
6/23/00 11:39	60.65	1341.20	85.43	1340.78	71.89
6/23/00 11:40	60.67	1341.19	85.43	1340.84	71.89
6/23/00 11:41	60.68	1341.19	85.43	1340.86	71.91
6/23/00 11:42	60.70	1341.20	85.42	1340.84	71.92
6/23/00 11:43	60.72	1341.18	85.42	1340.87	71.93
6/23/00 11:45	60.75	1341.19	85.42	1340.84	71.94
6/23/00 11:46	60.77	1341.19	85.42	1340.81	71.95
6/23/00 11:47	60.78	1341.19	85.43	1340.85	71.95
6/23/00 11:48	60.80	1341.19	85.43	1340.81	71.95
6/23/00 11:49	60.82	1341.20	85.43	1340.68	71.95
6/23/00 11:51	60.85	1341.20	85.44	1340.84	71.94
6/23/00 11:52	60.87	1341.19	85.43	1340.83	71.94
6/23/00 11:53	60.88	1341.18	85.43	1340.83	71.92
6/23/00 11:54	60.90	1341.18	85.43	1340.87	71.91
6/23/00 11:55	60.92	1341.19	85.43	1340.90	71.89
6/23/00 11:57	60.95	1341.18	85.43	1340.83	71.88
6/23/00 11:58	60.97	1341.18	85.42	1340.85	71.86
6/23/00 11:59	60.98	1341.18	85.41	1340.83	71.86
6/23/00 12:00	61.00	1341.18	85.40	1340.81	71.87
6/23/00 12:01	61.02	1341.19	85.40	1340.84	71.87
6/23/00 12:03	61.05	1341.20	85.39	1340.89	71.88
6/23/00 12:04	61.07	1341.19	85.39	1340.87	71.89
6/23/00 12:05	61.08	1341.19	85.39	1340.83	71.88
6/23/00 12:06	61.10	1341.18	85.40	1340.86	71.85
6/23/00 12:07	61.12	1341.19	85.40	1340.80	71.83
6/23/00 12:09	61.15	1341.19	85.40	1340.80	71.80
6/23/00 12:10	61.17	1341.18	85.39	1340.75	71.78
6/23/00 12:11	61.18	1341.18	85.39	1340.69	71.77
6/23/00 12:12	61.20	1341.18	85.39	1340.76	71.79
6/23/00 12:13	61.22	1341.20	85.38	1340.85	71.81
6/23/00 12:15	61.25	1341.19	85.39	1340.90	71.83
6/23/00 12:16	61.27	1341.19	85.40	1340.92	71.84
6/23/00 12:17	61.28	1341.19	85.40	1340.87	71.87
6/23/00 12:18	61.30	1341.19	85.41	1340.84	71.87
6/23/00 12:19	61.32	1341.19	85.42	1340.82	71.88
6/23/00 12:21	61.35	1341.18	85.42	1340.83	71.88
6/23/00 12:22	61.37	1341.17	85.40	1340.81	71.89
6/23/00 12:23	61.38	1341.17	85.39	1340.86	71.89

6/23/00 12:24	61.40	1341.17	85.38	1340.79	71.87
6/23/00 12:25	61.42	1341.17	85.36	1340.81	71.86
6/23/00 12:27	61.45	1341.17	85.35	1340.84	71.85
6/23/00 12:28	61.47	1341.17	85.35	1340.82	71.84
6/23/00 12:29	61.48	1341.20	85.35	1340.84	71.83
6/23/00 12:30	61.50	1341.21	85.35	1340.85	71.84
6/23/00 12:31	61.52	1341.21	85.35	1340.81	71.84

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.3317G		PSI
2	38.3394G		PSI
3	39.8128G		PSI
4	41.9007G		PSI
5	7.81648G		PSI
6	8.17363G		PSI
7	8.76923G		PSI
8	4.61538G		PSI

23:00:00  
06/20/00



ENTER SELECTION

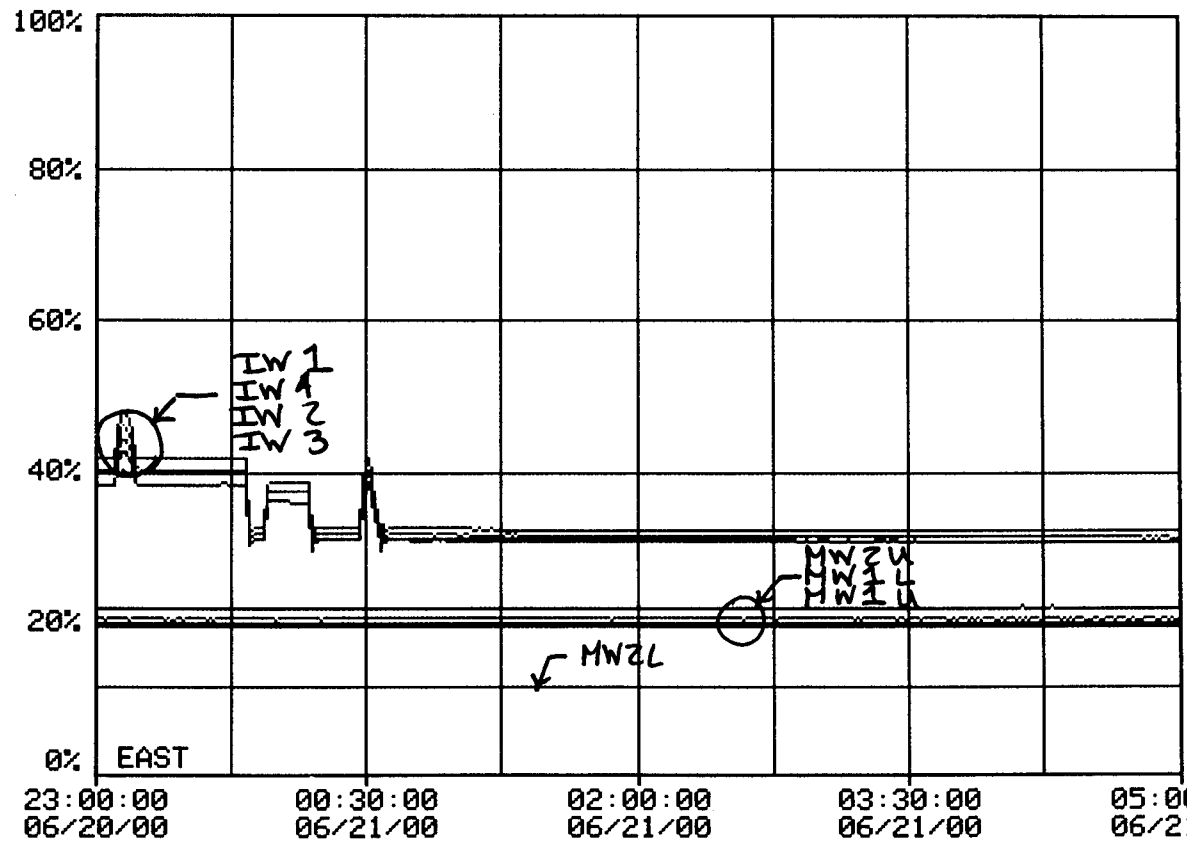
23:04:32  
06/20/00

PCC1(11)  
PCC1CRT1(1)

# NEW POINT

WELLPRES                      SPAN 6h      REFRESH TIME 00:01:00

- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2



	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.4701G		PSI
2	30.5983G		PSI
3	32.0147G		PSI
4	31.1844G		PSI
5	7.83132G		PSI
6	8.15989G		PSI
7	8.78407G		PSI
8	4.61538G		PSI

05:00:00  
06/21/00

ENTER SELECTION

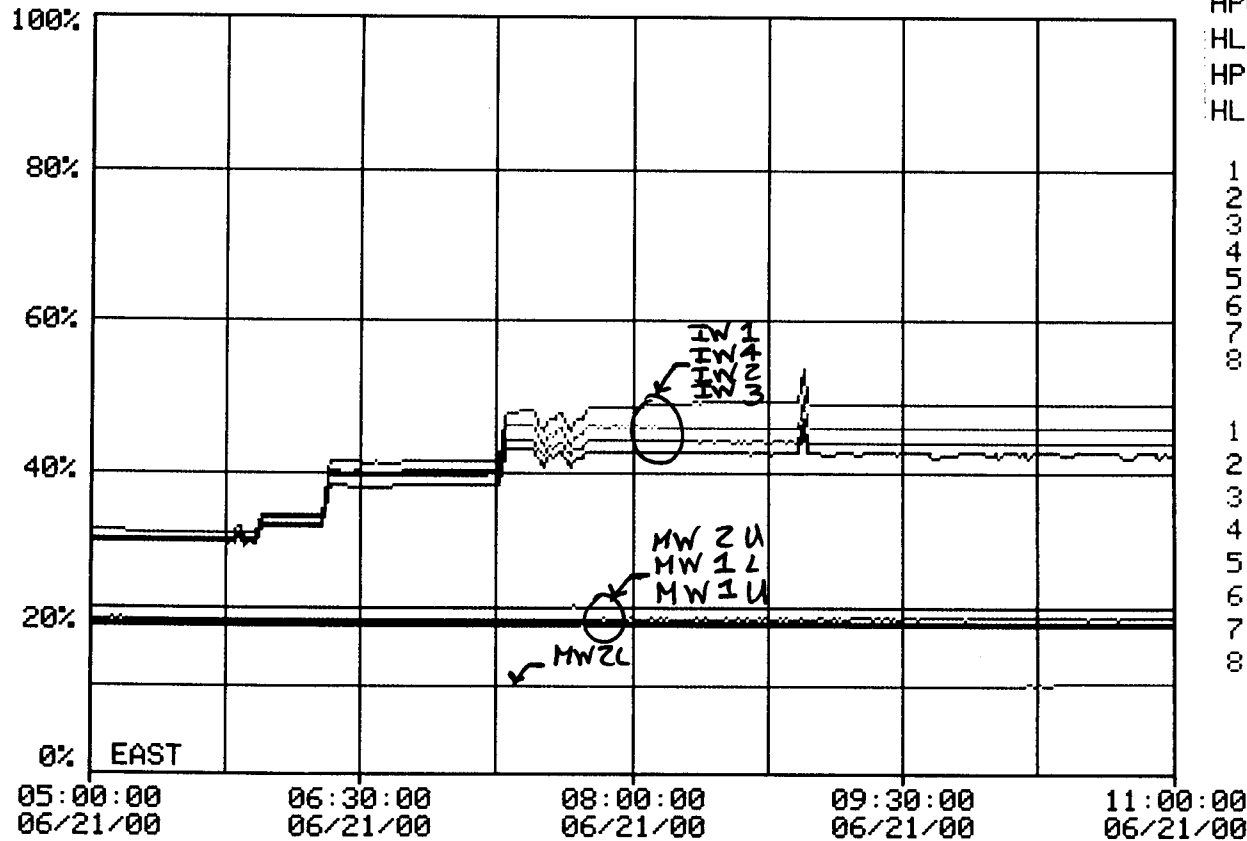


05:01:12                      PCC1(11)  
06/21/00                      PCC1CRT1(1)



# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	45.7733G		PSI
2	42.2283G		PSI
3	43.9214G		PSI
4	49.1250G		PSI
5	7.81209G		PSI
6	8.18572G		PSI
7	8.77308G		PSI
8	4.66154G		PSI

11:00:00  
06/21/00

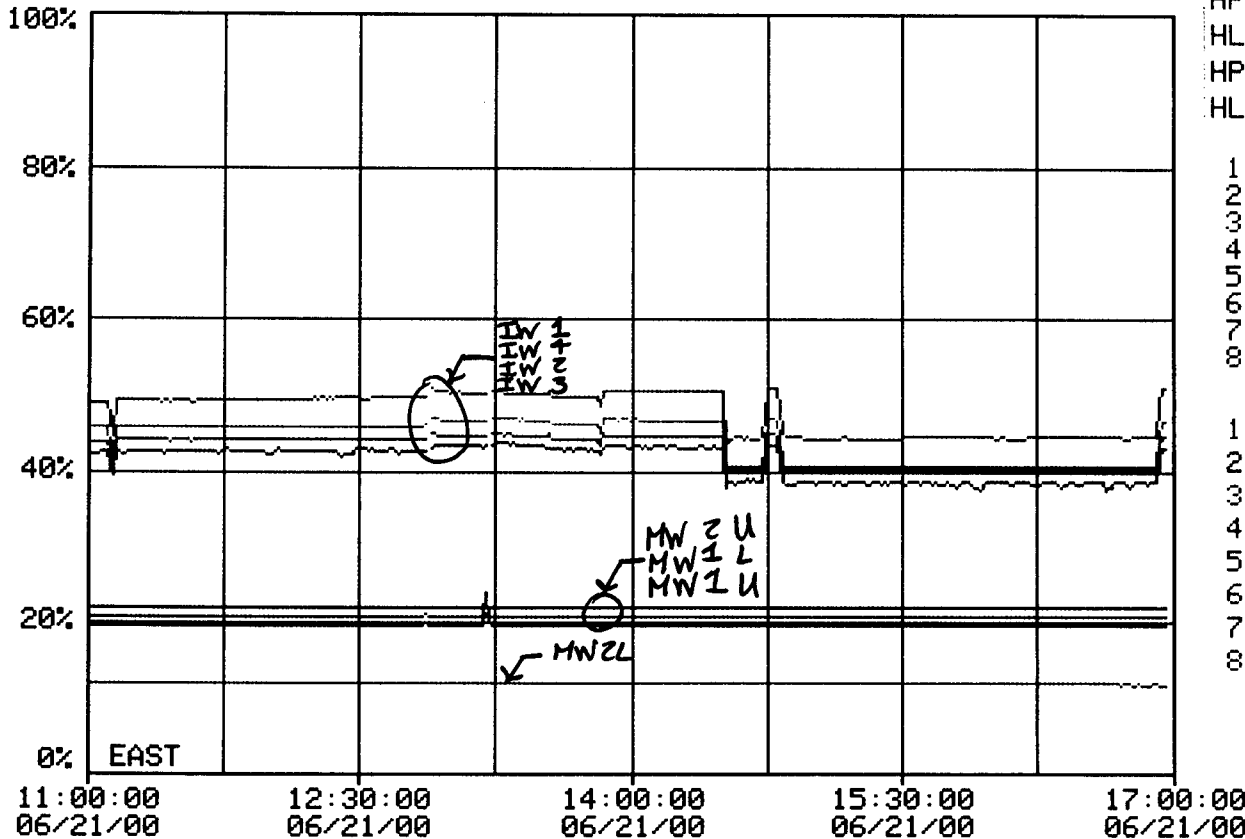
ENTER SELECTION

13:28:22  
06/21/00

PCC1(11)  
PCC1CRT1(1)

# NEW POINT

WELLPRES                      SPAN 6h      REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	46.6545G		PSI
2	42.8897G		PSI
3	44.6988G		PSI
4	50.9890G		PSI
5	7.81538G		PSI
6	8.16703G		PSI
7	8.78407G		PSI
8	4.63956G		PSI

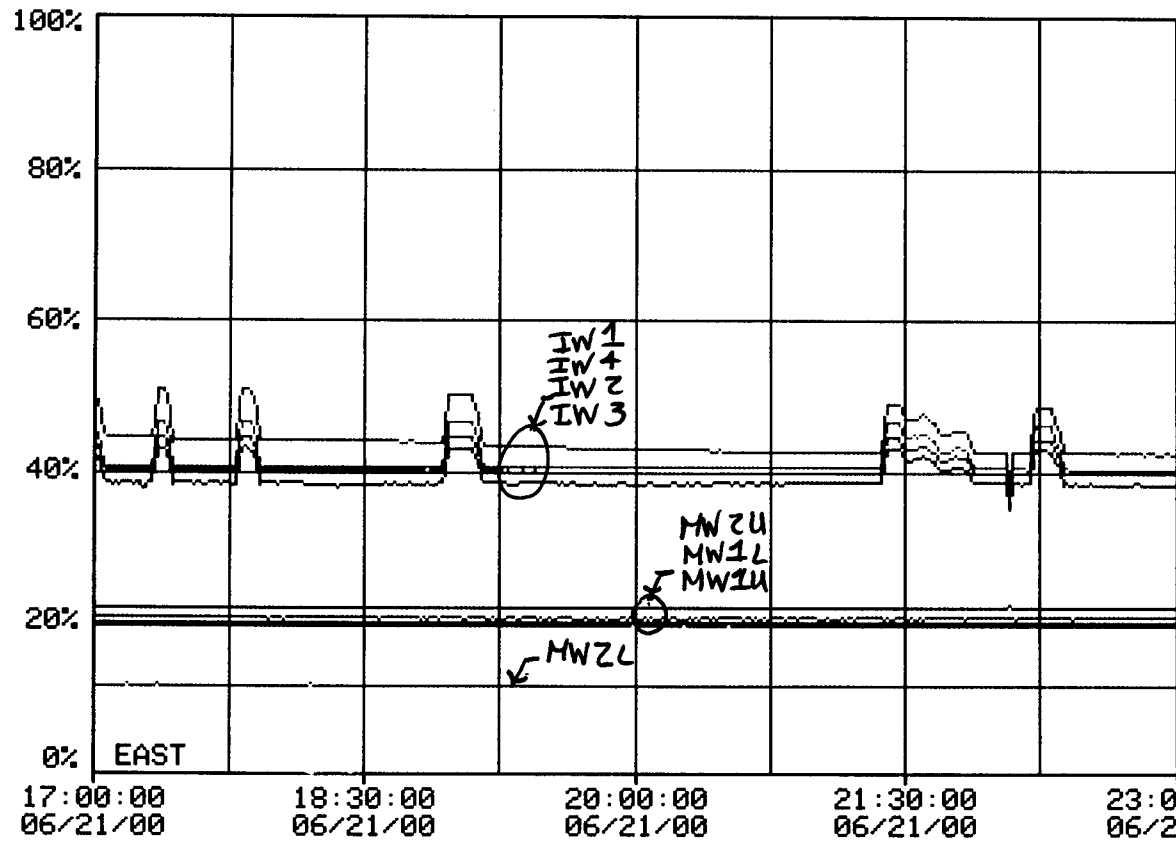
16:59:00  
06/21/00

ENTER SELECTION

17:00:00                      PCC1(11)  
06/21/00                      PCC1CRT1(1)

# NEW POINT

WELLPRES                      SPAN 6h      REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.2849G		PSI
2	38.3150G		PSI
3	39.7802G		PSI
4	42.4033G		PSI
5	7.82253G		PSI
6	8.19231G		PSI
7	8.77967G		PSI
8	4.62198G		PSI

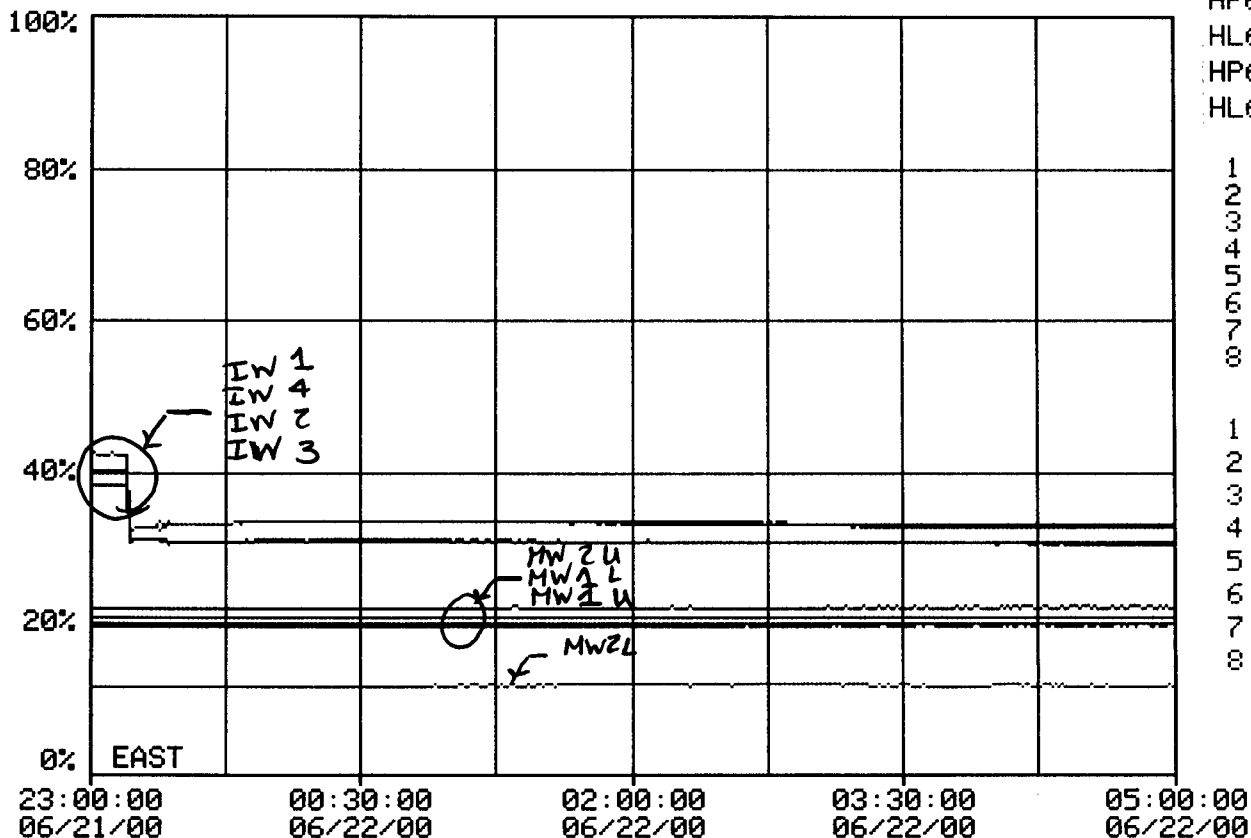
23:00:00  
06/21/00

ENTER SELECTION

23:01:52                      PCC1(11)  
06/21/00                      PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.3521G		PSI
2	30.5108G		PSI
3	33.0566G		PSI
4	32.5438G		PSI
5	7.83846G		PSI
6	8.19286G		PSI
7	8.80989G		PSI
8	4.62418G		PSI

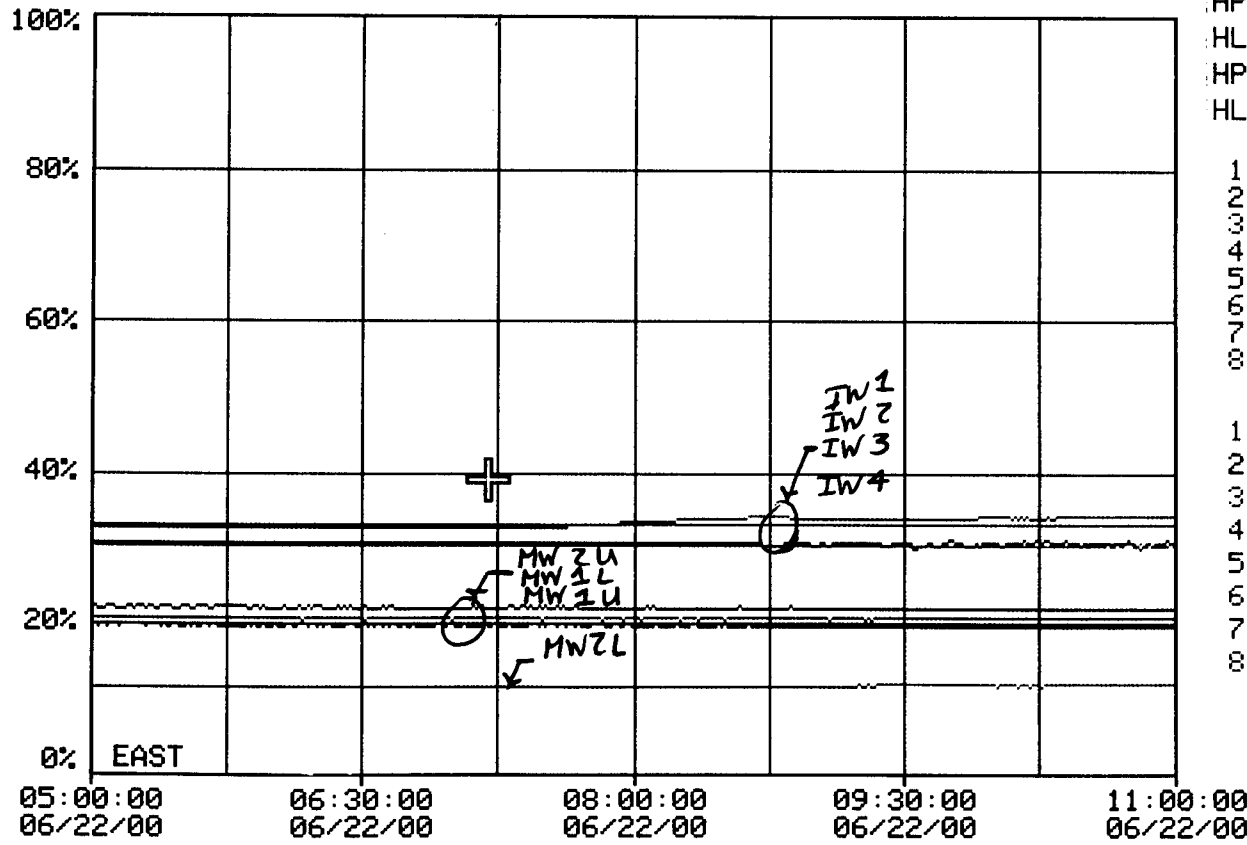
05:00:00  
06/22/00

ENTER SELECTION

05:01:15 PCC1(11)  
06/22/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.3948G		PSI
2	30.5291G		PSI
3	33.0830G		PSI
4	34.2959G		PSI
5	7.81978G		PSI
6	8.16868G		PSI
7	8.78242G		PSI
8	4.64835G		PSI

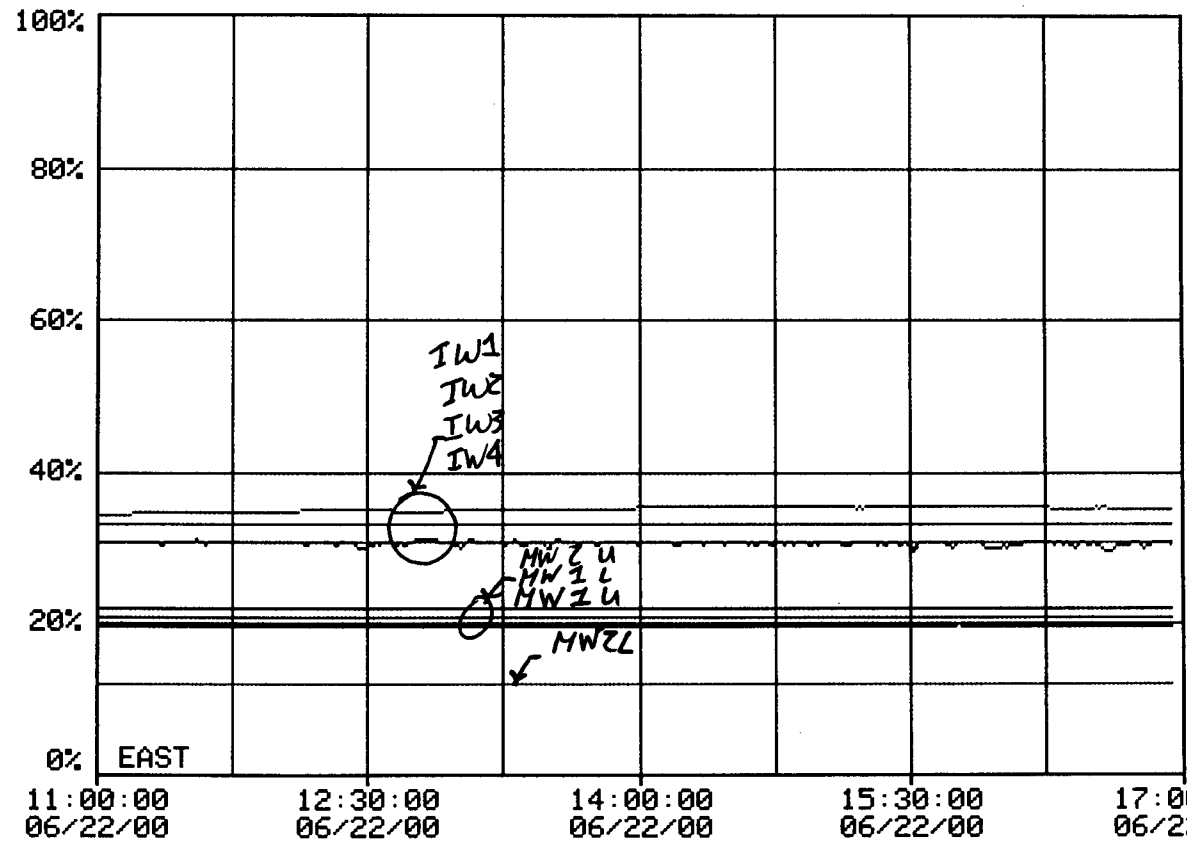
11:00:00  
06/22/00

ENTER SELECTION

11:15:56 PCC1(11)  
06/22/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00

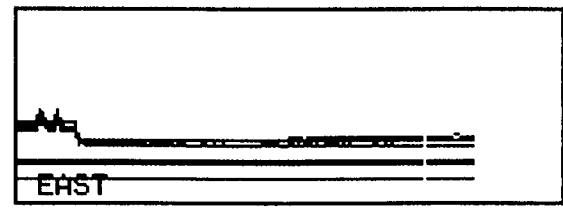


- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.4009G		PSI
2	30.5128G		PSI
3	33.0708G		PSI
4	35.0936G		PSI
5	7.82637G		PSI
6	8.20220G		PSI
7	8.78242G		PSI
8	4.64176G		PSI

16:59:00  
06/22/00



WELLPRES	Value	Unit	WELLPRES	Value	Unit
FP63414	30.429G	PSI	HP68561	7.8222G	PSI
FP63413	30.404G	PSI	HL68551	8.2019G	PSI
FP63412	33.081G	PSI	HP68562	8.7829G	PSI
FP63411	35.076G	PSI	HL68552	4.6417G	PSI

ENTER SELECTION

17:00:38 PCC1(11)  
06/22/00 PCC1CRT1(1)

# NEW POINT

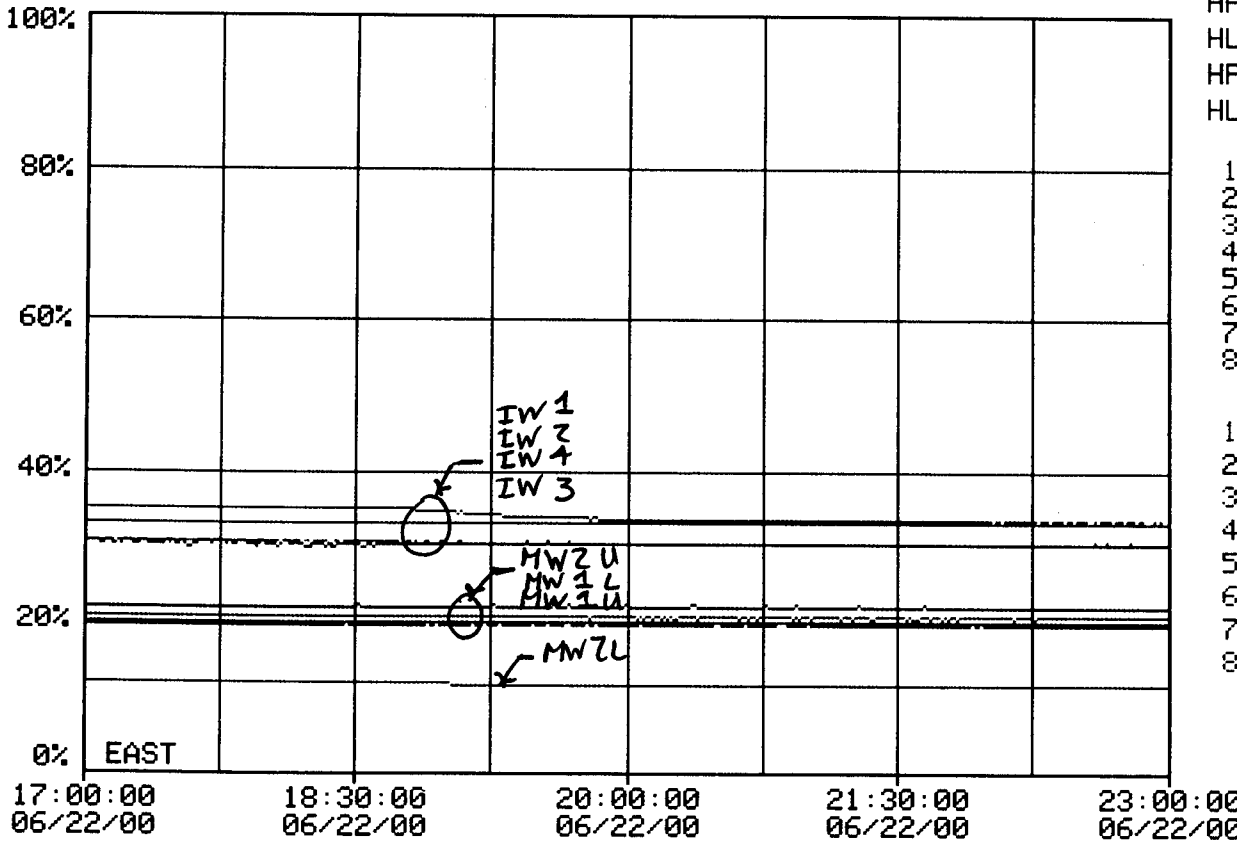
WELLPRES SPAN 6h REFRESH TIME 00:01:00

- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.3907G		PSI
2	30.3622G		PSI
3	32.9324G		PSI
4	33.1909G		PSI
5	7.82418G		PSI
6	8.19121G		PSI
7	8.78681G		PSI
8	4.61538G		PSI

23:00:00  
06/22/00



EAST

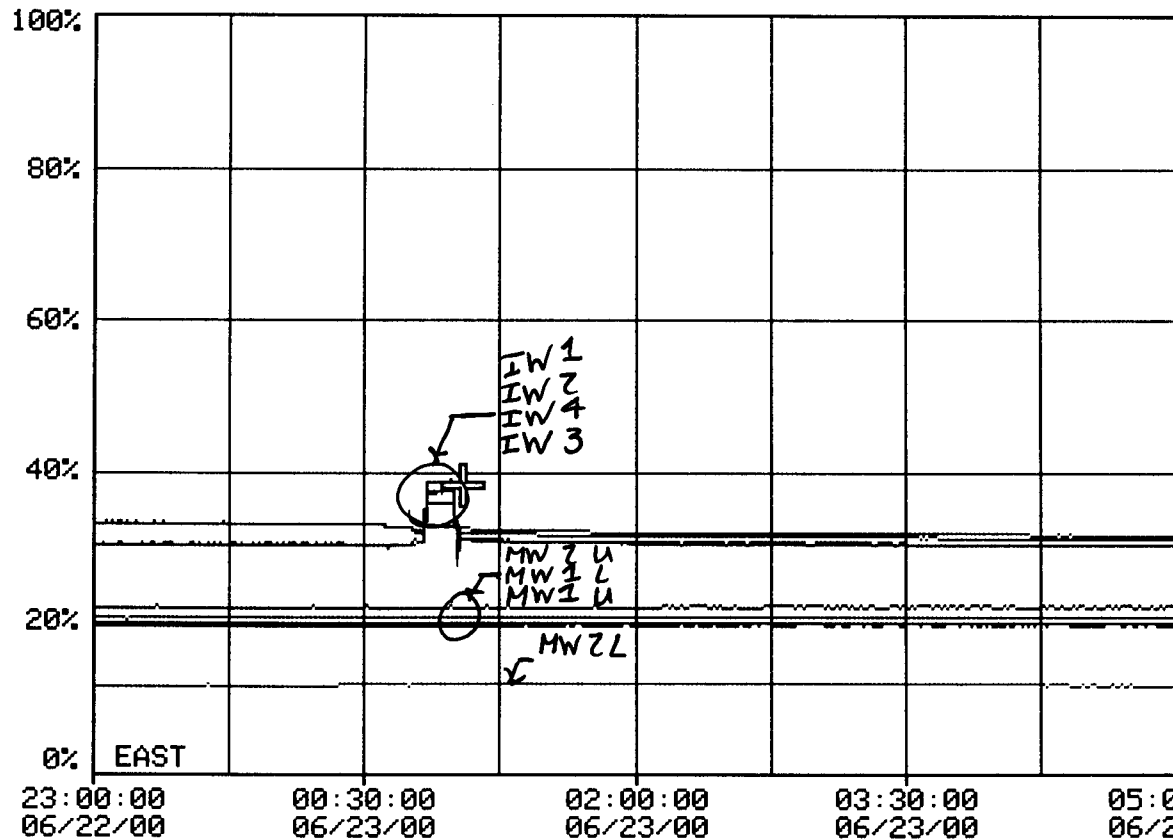
WELLPRES	FP63414	30.380G	PSI	HP68561	7.8292G	PSI
SPAN 1d	FP63413	30.336G	PSI	HL68551	8.1787G	PSI
REFRESH TIME	FP63412	32.931G	PSI	HP68562	8.7836G	PSI
	FP63411	33.217G	PSI	HL68552	4.6153G	PSI

ENTER SELECTION

23:01:12 PCC1(11)  
06/22/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00

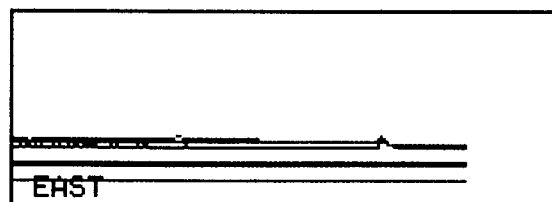


- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.0203G		PSI
2	30.1872G		PSI
3	31.5324G		PSI
4	31.0155G		PSI
5	7.83956G		PSI
6	8.20549G		PSI
7	8.80549G		PSI
8	4.62198G		PSI

05:00:00  
06/23/00



WELLPRES	FP63414	30.060G	PSI	HP68561	7.8445G	PSI	
SPAN	1d	FP63413	30.235G	PSI	HL68551	8.2177G	PSI
REFRESH TIME	FP63412	31.562G	PSI	HP68562	8.8015G	PSI	
	FP63411	31.069G	PSI	HL68552	4.6309G	PSI	

ENTER SELECTION

05:01:52 PCC1(11)  
06/23/00 PCC1CRT1(1)



# NEW POINT

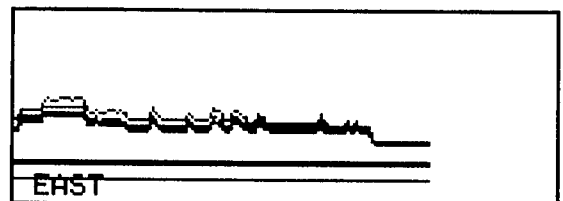
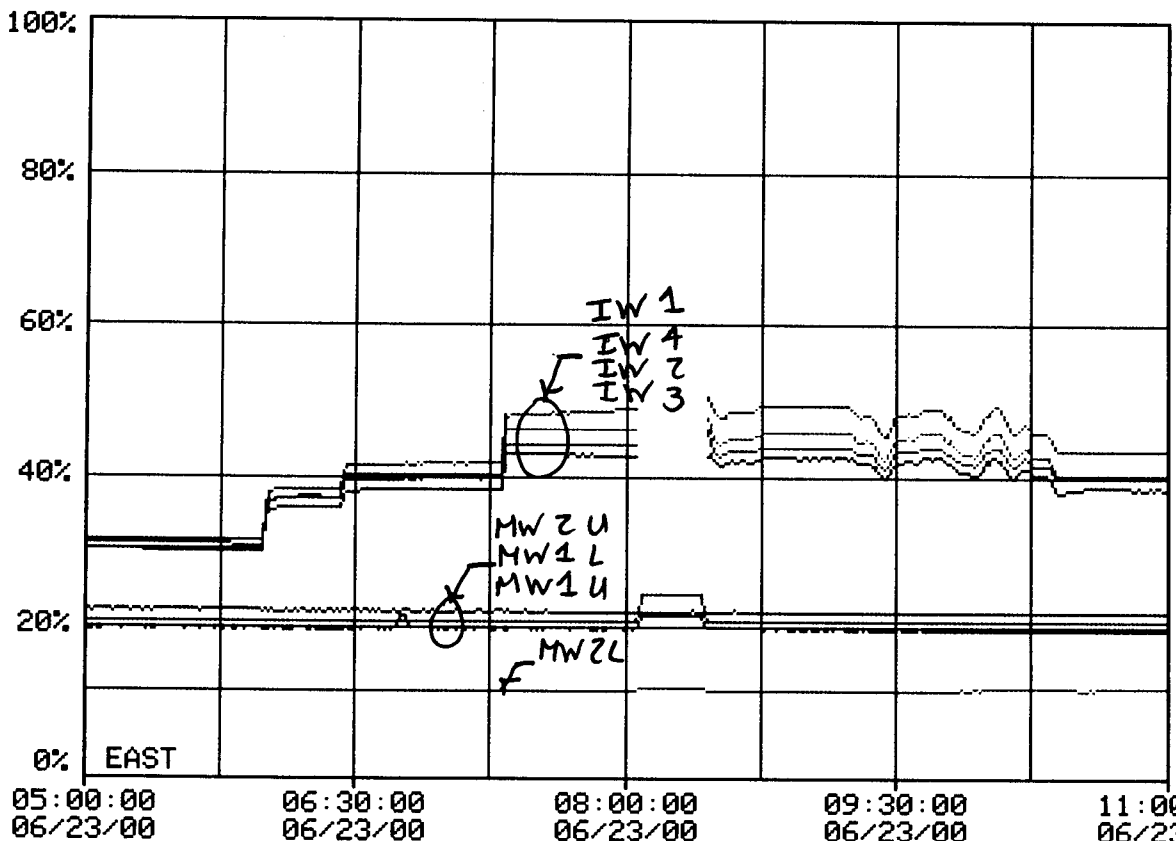
WELLPRES SPAN 6h REFRESH TIME 00:01:00

- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.3617G		PSI
2	38.4944G		PSI
3	39.8025G		PSI
4	43.5077G		PSI
5	7.82835G		PSI
6	8.20126G		PSI
7	8.78531G		PSI
8	4.65494G		PSI

11:00:00  
06/23/00



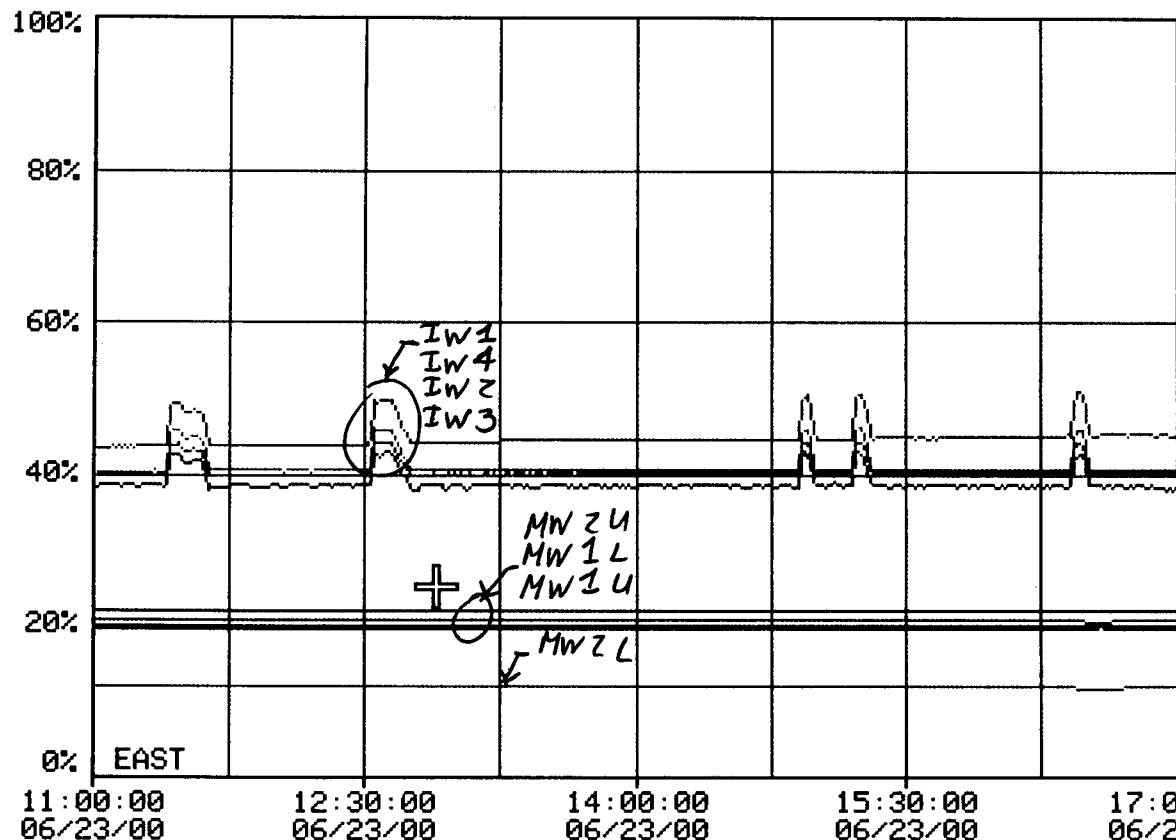
WELLPRES	FP63414	30.777G	PSI	HP68561	7.8379G	PSI	
SPAN	1d	FP63413	30.942G	PSI	HL68551	8.2370G	PSI
REFRESH TIME	FP63412	32.340G	PSI	HP68562	8.7932G	PSI	
	FP63411	31.855G	PSI	HL68552	4.6218G	PSI	

ENTER SELECTION

03:19:45 PCC1(11)  
06/25/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00

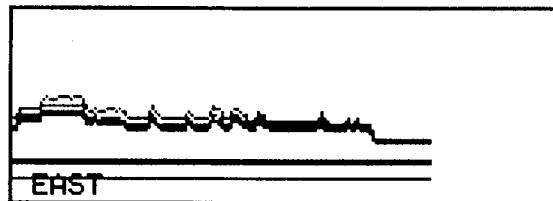


- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.5666G		PSI
2	38.5426G		PSI
3	40.0972G		PSI
4	45.1073G		PSI
5	7.83207G		PSI
6	8.21339G		PSI
7	8.77379G		PSI
8	4.65494G		PSI

17:00:00  
06/23/00



WELLPRES	FP63414	30.764G	PSI	HP68561	7.8329G	PSI
SPAN 1d	FP63413	31.009G	PSI	HL68551	8.2469G	PSI
REFRESH TIME	FP63412	32.330G	PSI	HP68562	8.7912G	PSI
00:08:00	FP63411	31.864G	PSI	HL68552	4.6219G	PSI

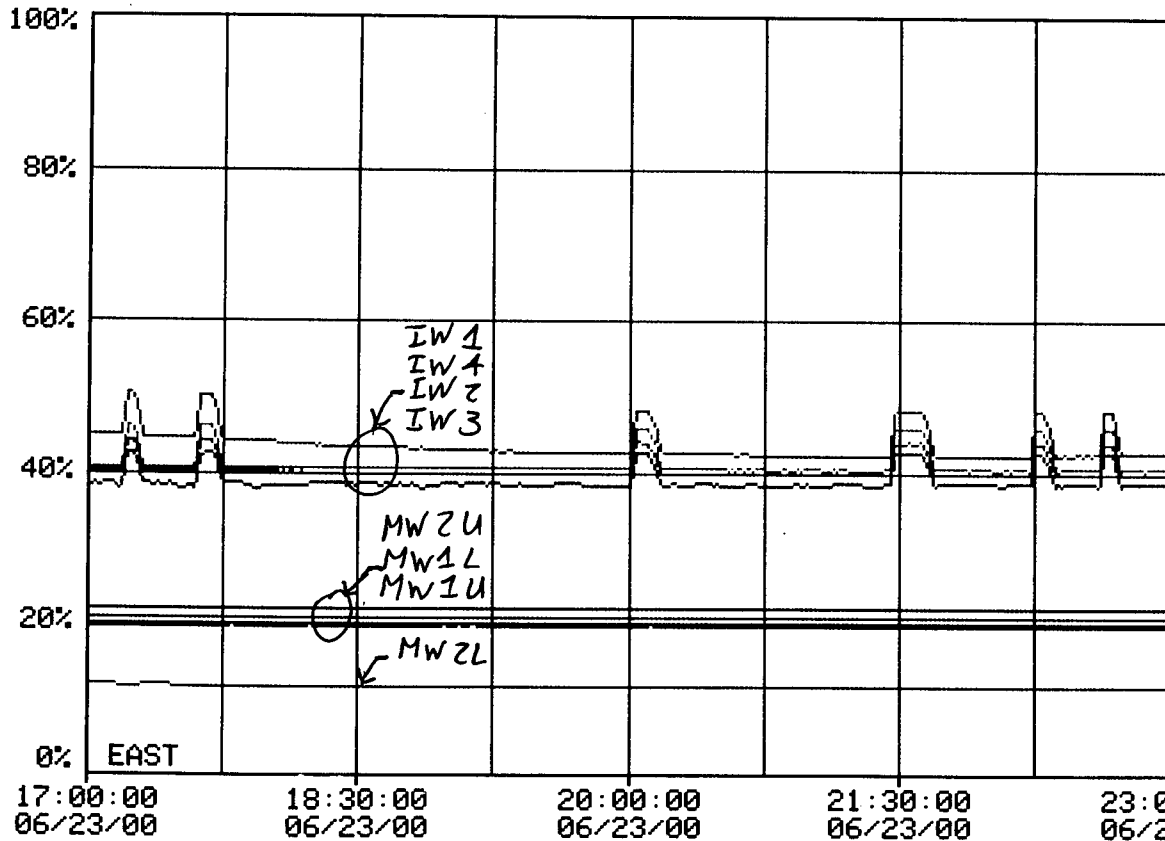
ENTER SELECTION

03:27:02 PCC1(11)  
06/25/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00

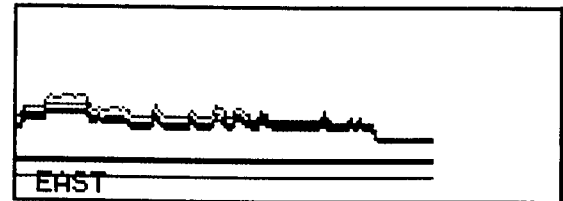
- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2



	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.4106G		PSI
2	38.4360G		PSI
3	39.8599G		PSI
4	42.4322G		PSI
5	7.83821G		PSI
6	8.18400G		PSI
7	8.78695G		PSI
8	4.60879G		PSI

23:00:00  
06/23/00



WELLPRES	FP63414	30.764G	PSI	HP68561	7.8329G	PSI	
SPAN	1d	FP63413	31.009G	PSI	HL68551	8.2469G	PSI
REFRESH TIME	FP63412	32.330G	PSI	HP68562	8.7912G	PSI	
	FP63411	31.864G	PSI	HL68552	4.6219G	PSI	

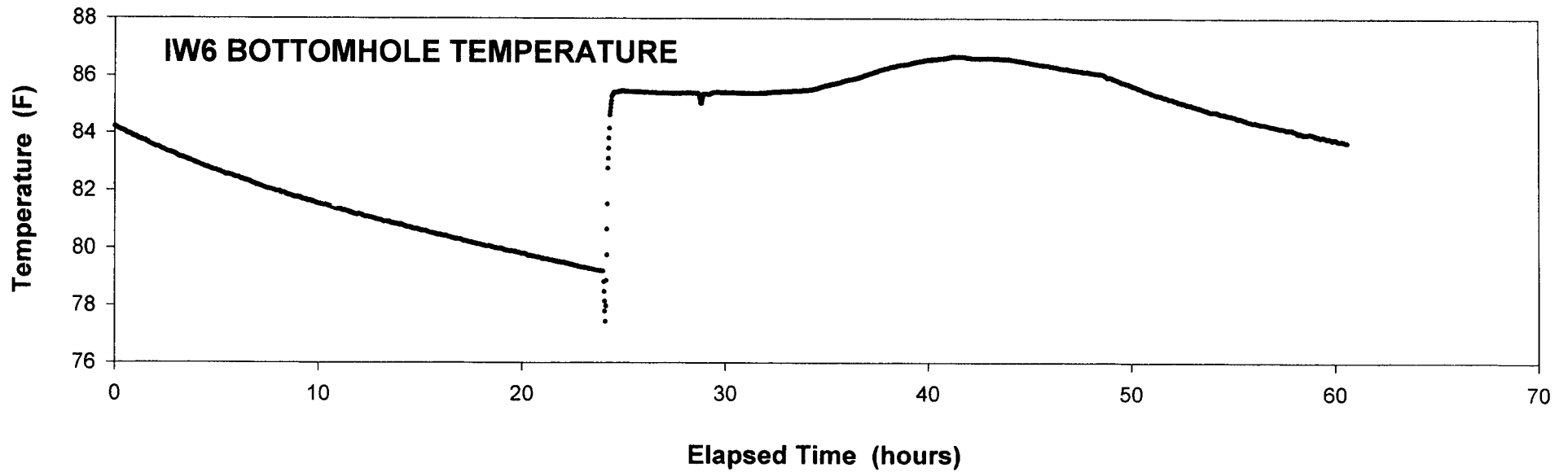
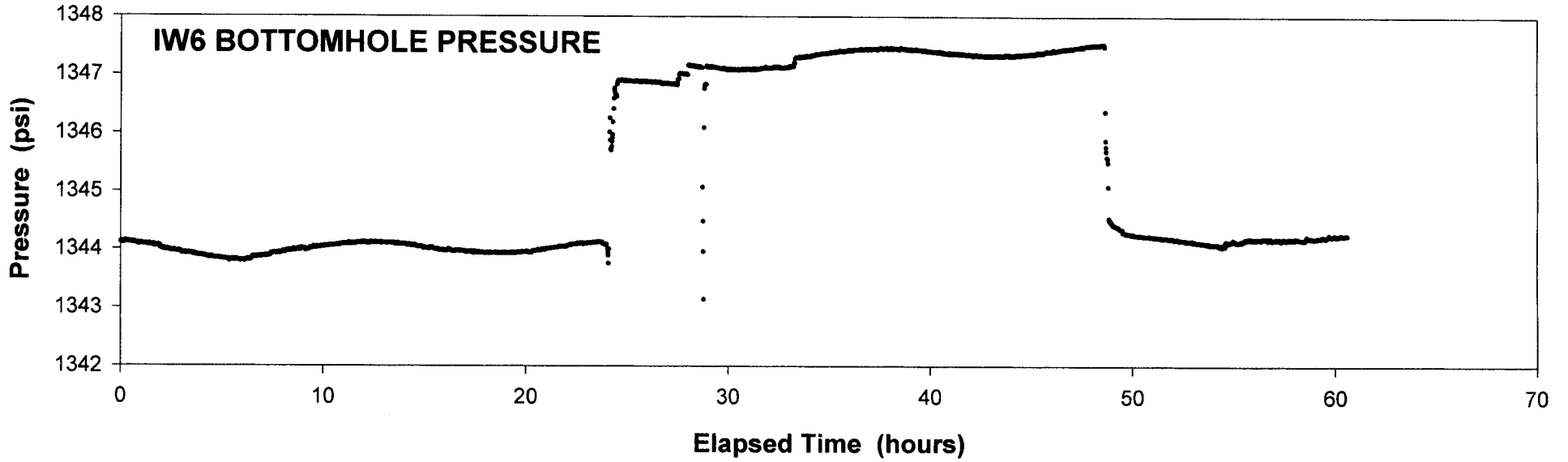
ENTER SELECTION



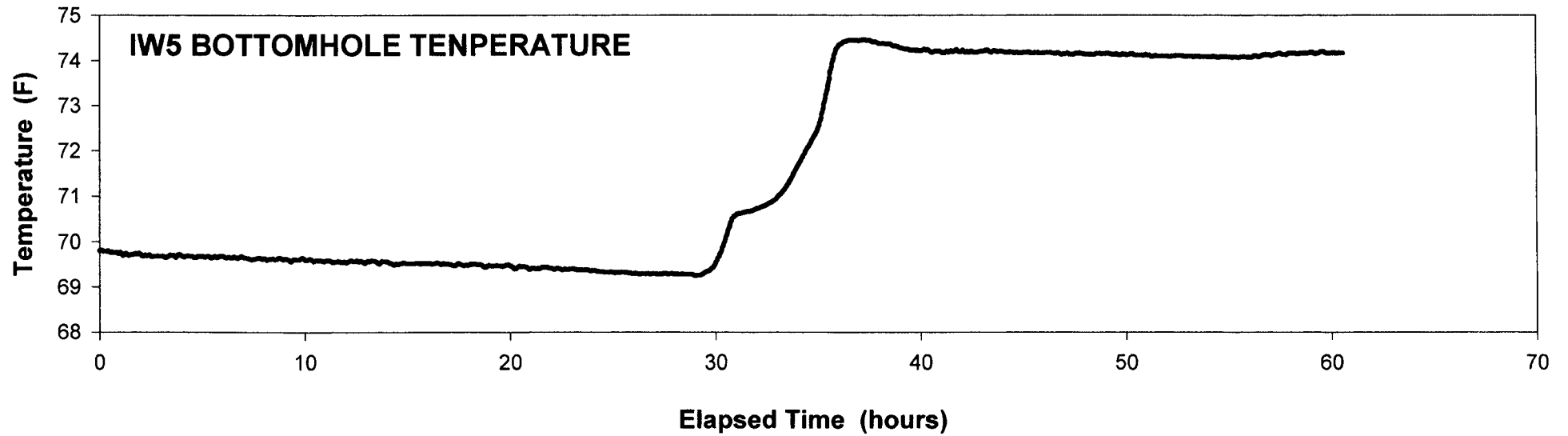
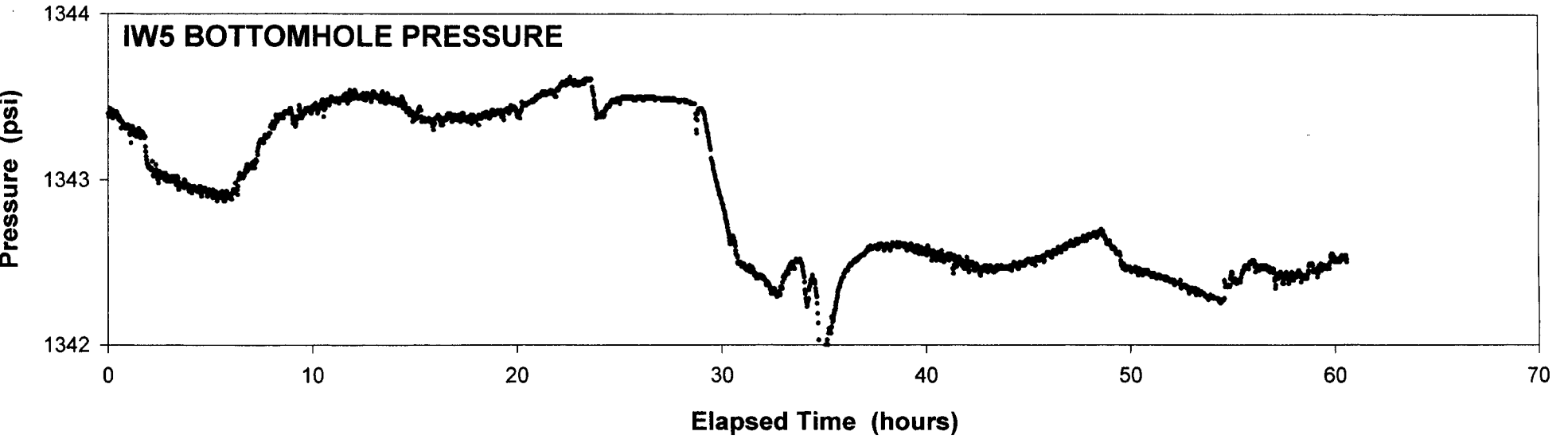
03:29:12 PCC1(11)  
06/25/00 PCC1CRT1(1)

# IW6 Injection Test

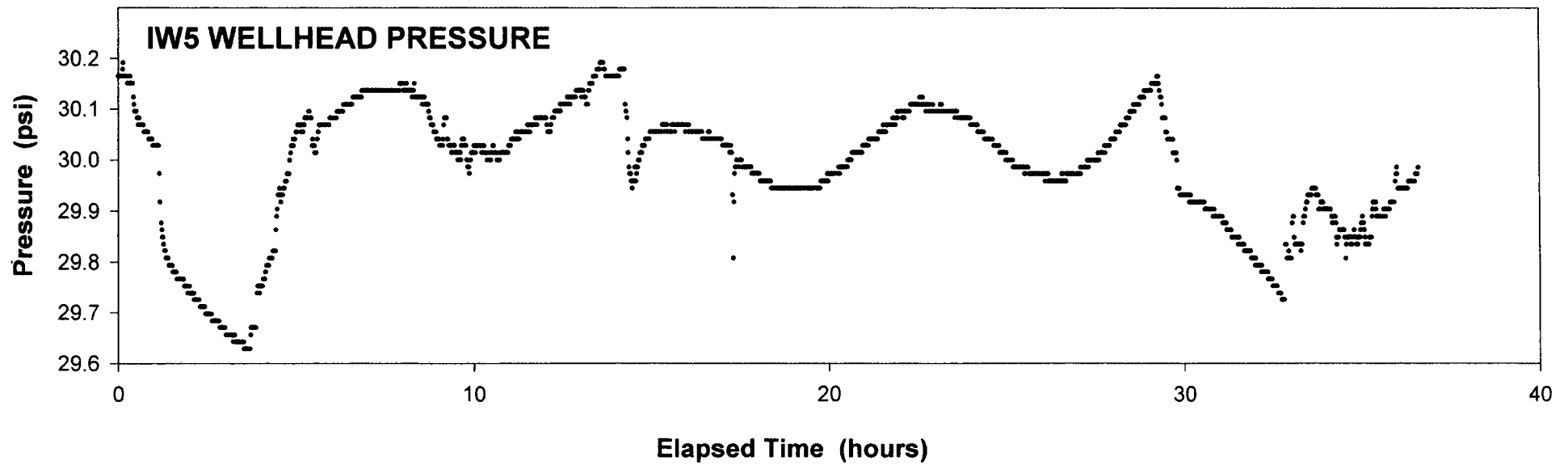
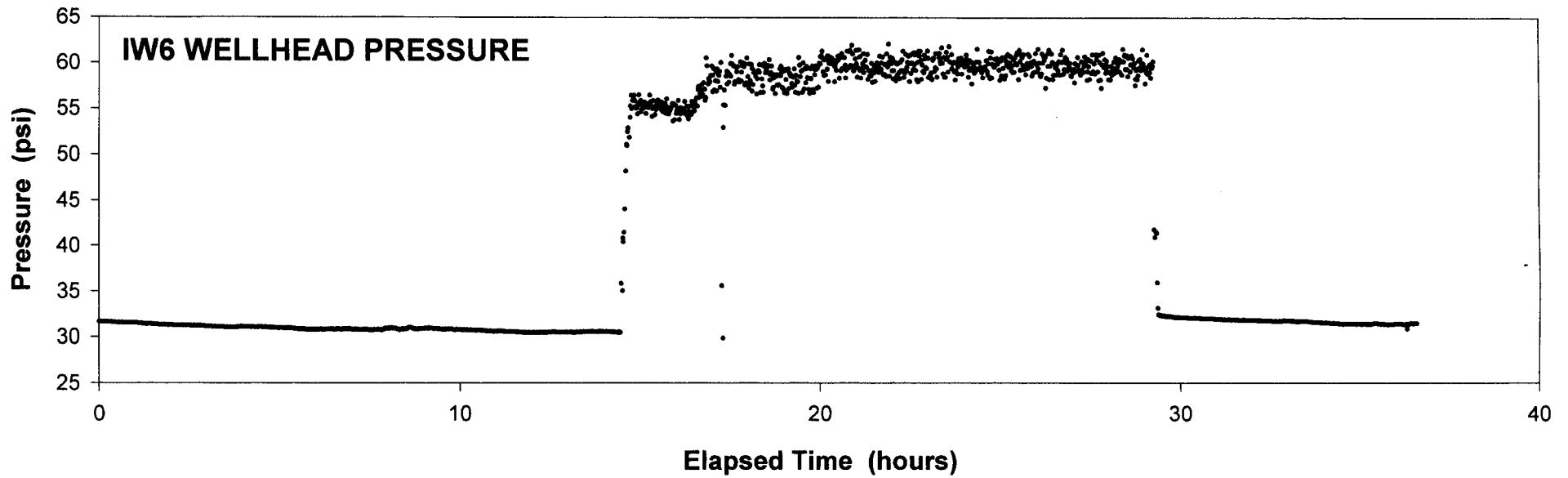
**BCNRWWTP  
IW6 INJECTION TEST**



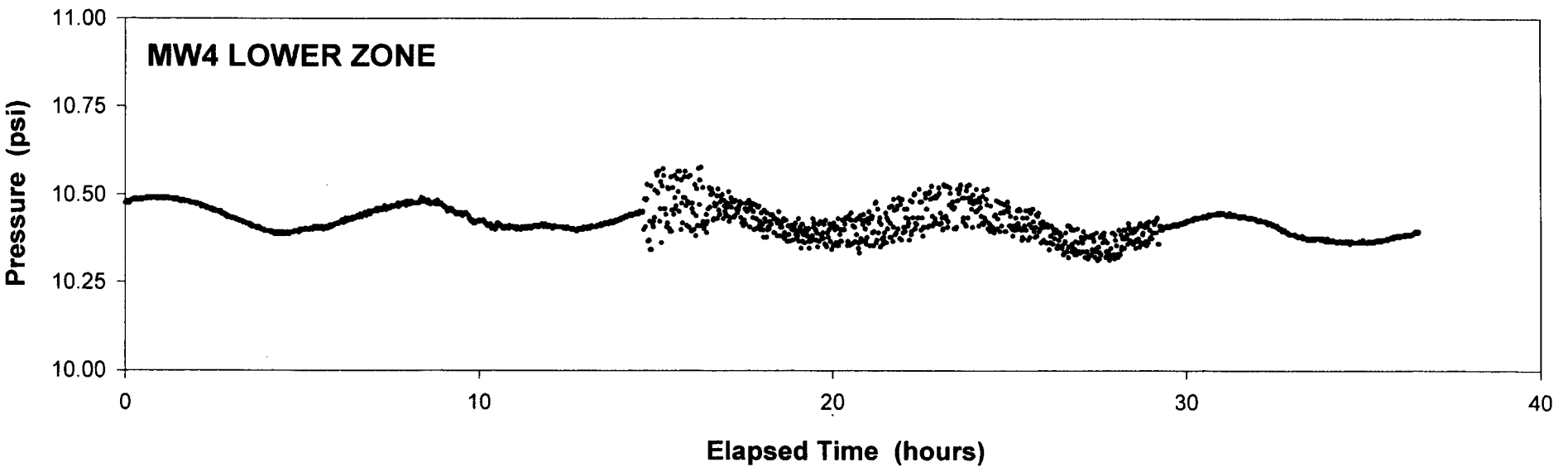
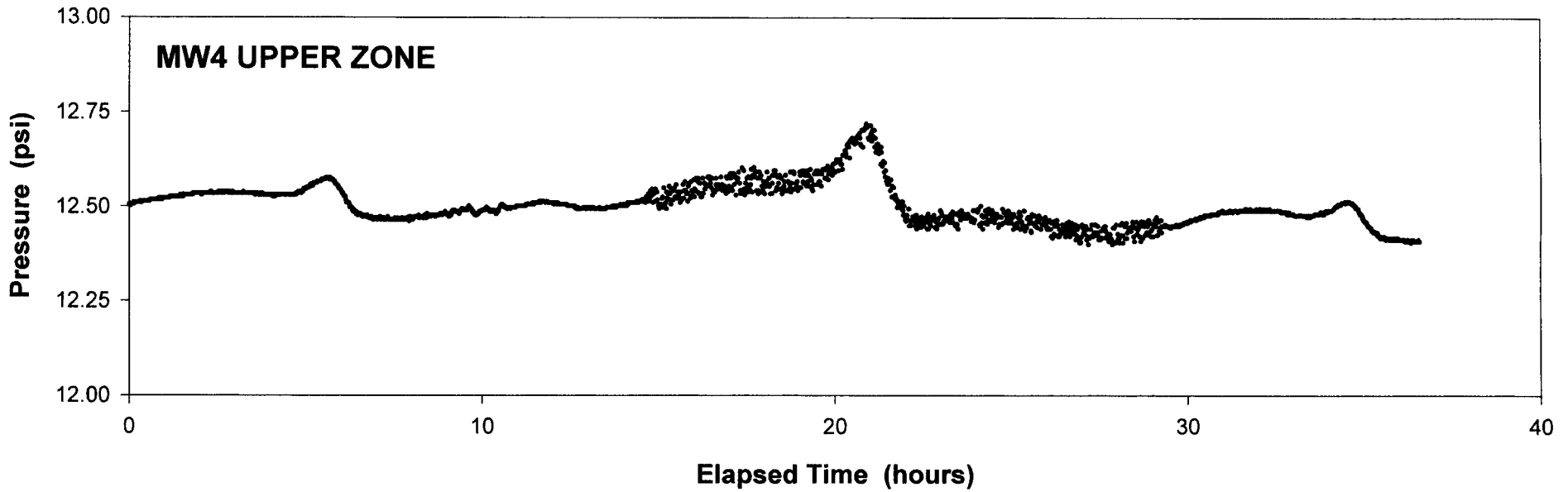
**BCNRWWTP  
IW6 INJECTION TEST**



**BCNRWWTP  
IW6 INJECTION TEST**

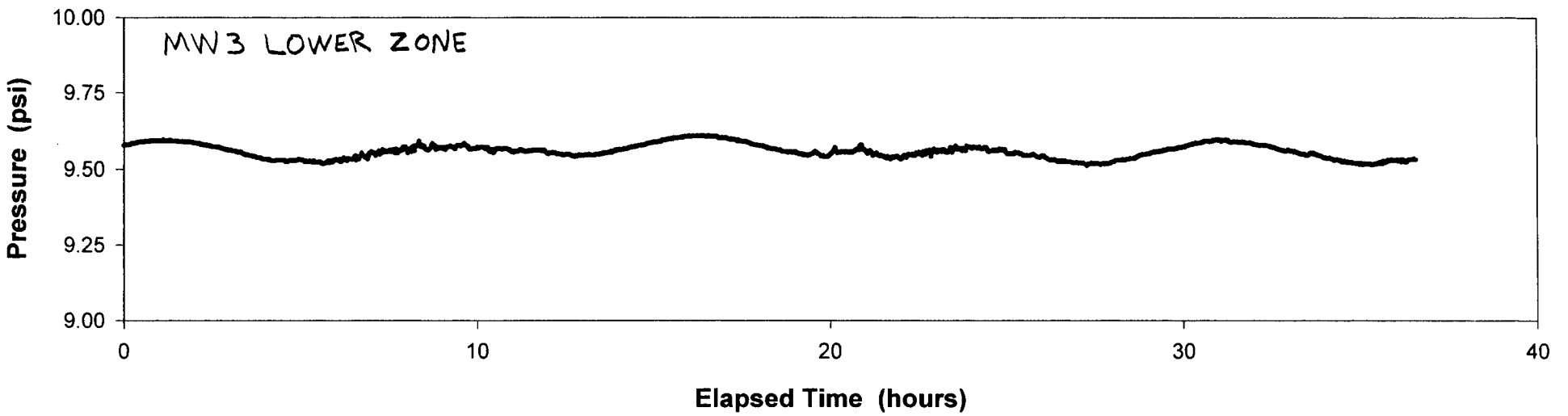
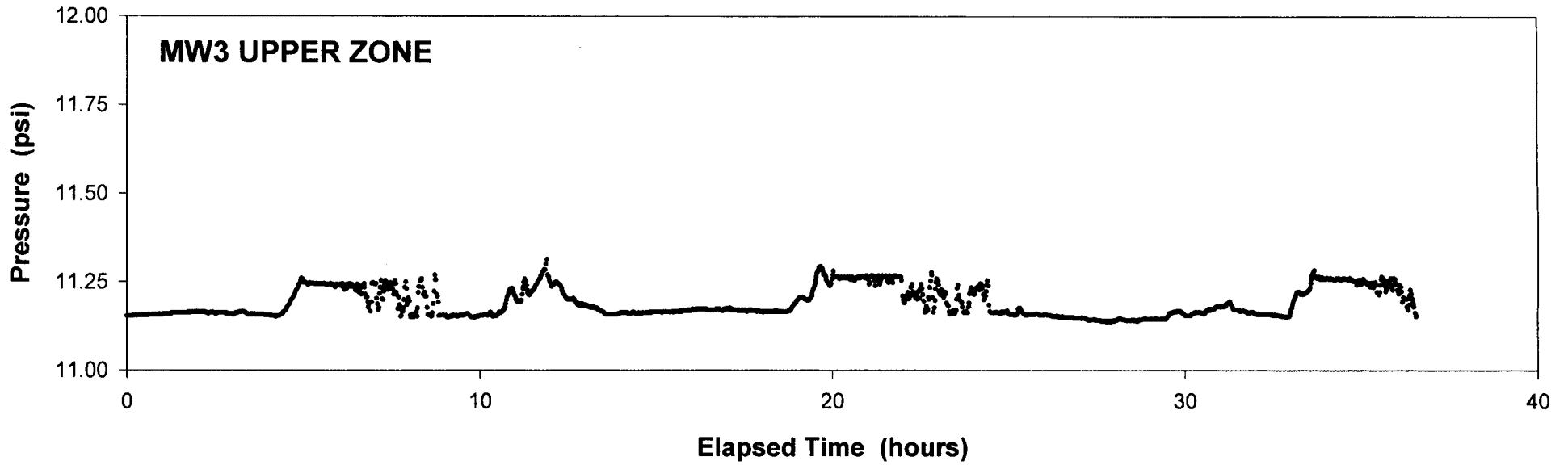


**BCNRWWTP  
IW6 INJECTION TEST**





**BCNRWWTP  
IW6 INJECTION TEST**



## Appendix Q - Short Term Injection Test Injection Well IW6

Real Date and Time	Total Elapsed Time (hrs)	IW6	IW6	IW5	IW5	IW6	MW4	MW4	IW5	MW3	MW3
		Bottomhole Pres. (psi)	Bottomhole Temp. (Deg F)	Bottomhole Pres. (psi)	Bottomhole Temp. (Deg F)	Wellhead Pres.(psi)	Upper MZ Pres.(psi)	Lower MZ Pres.(psi)	Wellhead Pres.(psi)	Upper MZ Pres.(psi)	Lower MZ Pres.(psi)
6/5/00 23:40	0.00	1344.12	84.22	1343.40	69.80	31.69	12.51	10.48	30.17	11.15	9.58
6/5/00 23:41	0.02	1344.12	84.21	1343.39	69.80	31.69	12.51	10.48	30.17	11.15	9.58
6/5/00 23:42	0.03	1344.13	84.20	1343.38	69.80	31.69	12.50	10.48	30.17	11.15	9.58
6/5/00 23:43	0.05	1344.12	84.20	1343.40	69.81	31.69	12.51	10.48	30.17	11.15	9.58
6/5/00 23:44	0.07	1344.11	84.19	1343.43	69.81	31.68	12.51	10.48	30.17	11.15	9.58
6/5/00 23:46	0.10	1344.11	84.17	1343.43	69.81	31.68	12.51	10.48	30.17	11.15	9.58
6/5/00 23:47	0.12	1344.12	84.16	1343.42	69.81	31.69	12.51	10.48	30.18	11.15	9.58
6/5/00 23:48	0.13	1344.13	84.16	1343.41	69.81	31.68	12.51	10.48	30.19	11.15	9.58
6/5/00 23:49	0.15	1344.11	84.15	1343.41	69.80	31.68	12.51	10.48	30.17	11.15	9.58
6/5/00 23:50	0.17	1344.11	84.14	1343.40	69.80	31.66	12.51	10.48	30.17	11.16	9.58
6/5/00 23:52	0.20	1344.13	84.13	1343.41	69.79	31.66	12.51	10.48	30.17	11.16	9.58
6/5/00 23:53	0.22	1344.13	84.12	1343.42	69.79	31.66	12.51	10.48	30.17	11.16	9.58
6/5/00 23:54	0.23	1344.14	84.12	1343.37	69.79	31.66	12.51	10.48	30.17	11.16	9.58
6/5/00 23:55	0.25	1344.14	84.11	1343.40	69.79	31.65	12.51	10.49	30.15	11.16	9.58
6/5/00 23:56	0.27	1344.13	84.10	1343.41	69.79	31.65	12.51	10.48	30.15	11.16	9.58
6/5/00 23:58	0.30	1344.13	84.09	1343.40	69.79	31.65	12.51	10.48	30.15	11.16	9.58
6/5/00 23:59	0.32	1344.13	84.09	1343.40	69.79	31.65	12.51	10.49	30.17	11.16	9.59
6/6/00 0:00	0.33	1344.12	84.09	1343.40	69.79	31.65	12.51	10.48	30.15	11.16	9.59
6/6/00 0:01	0.35	1344.13	84.08	1343.39	69.79	31.65	12.51	10.48	30.15	11.16	9.59
6/6/00 0:02	0.37	1344.12	84.08	1343.40	69.80	31.65	12.51	10.48	30.15	11.16	9.59
6/6/00 0:04	0.40	1344.13	84.07	1343.41	69.80	31.64	12.51	10.49	30.15	11.16	9.59
6/6/00 0:05	0.42	1344.12	84.07	1343.41	69.80	31.62	12.51	10.49	30.12	11.16	9.59
6/6/00 0:06	0.43	1344.12	84.06	1343.38	69.79	31.61	12.51	10.49	30.11	11.16	9.59
6/6/00 0:07	0.45	1344.12	84.06	1343.39	69.79	31.61	12.51	10.49	30.10	11.16	9.59
6/6/00 0:08	0.47	1344.12	84.05	1343.39	69.78	31.61	12.51	10.48	30.10	11.16	9.59
6/6/00 0:10	0.50	1344.12	84.04	1343.37	69.78	31.61	12.51	10.49	30.10	11.16	9.59
6/6/00 0:11	0.52	1344.12	84.03	1343.36	69.77	31.60	12.51	10.49	30.08	11.16	9.59
6/6/00 0:12	0.53	1344.11	84.02	1343.38	69.77	31.60	12.51	10.49	30.08	11.16	9.59
6/6/00 0:13	0.55	1344.12	84.01	1343.38	69.77	31.60	12.51	10.49	30.07	11.16	9.59
6/6/00 0:14	0.57	1344.11	84.00	1343.37	69.77	31.60	12.51	10.49	30.08	11.16	9.59
6/6/00 0:16	0.60	1344.12	83.98	1343.36	69.78	31.58	12.52	10.49	30.07	11.16	9.59
6/6/00 0:17	0.62	1344.11	83.98	1343.35	69.78	31.58	12.52	10.49	30.07	11.16	9.59
6/6/00 0:18	0.63	1344.12	83.97	1343.31	69.77	31.58	12.52	10.49	30.07	11.16	9.59
6/6/00 0:19	0.65	1344.12	83.97	1343.35	69.77	31.57	12.52	10.49	30.07	11.16	9.59
6/6/00 0:20	0.67	1344.12	83.96	1343.35	69.77	31.57	12.52	10.49	30.07	11.16	9.59
6/6/00 0:22	0.70	1344.11	83.96	1343.35	69.76	31.57	12.52	10.49	30.07	11.16	9.59
6/6/00 0:23	0.72	1344.11	83.95	1343.34	69.76	31.57	12.52	10.49	30.06	11.16	9.59
6/6/00 0:24	0.73	1344.10	83.95	1343.33	69.76	31.57	12.52	10.49	30.06	11.16	9.59
6/6/00 0:25	0.75	1344.10	83.95	1343.33	69.76	31.55	12.52	10.49	30.06	11.16	9.59
6/6/00 0:26	0.77	1344.10	83.94	1343.32	69.76	31.55	12.52	10.49	30.06	11.16	9.59
6/6/00 0:28	0.80	1344.10	83.93	1343.32	69.76	31.55	12.52	10.49	30.06	11.16	9.59
6/6/00 0:29	0.82	1344.09	83.92	1343.33	69.77	31.55	12.52	10.49	30.06	11.16	9.59
6/6/00 0:30	0.83	1344.09	83.91	1343.32	69.76	31.55	12.52	10.49	30.06	11.16	9.59
6/6/00 0:31	0.85	1344.08	83.90	1343.31	69.76	31.55	12.52	10.49	30.04	11.16	9.59
6/6/00 0:32	0.87	1344.09	83.90	1343.32	69.75	31.54	12.52	10.49	30.04	11.16	9.59
6/6/00 0:34	0.90	1344.10	83.88	1343.32	69.75	31.54	12.52	10.49	30.04	11.16	9.59
6/6/00 0:35	0.92	1344.09	83.88	1343.31	69.74	31.54	12.52	10.49	30.04	11.16	9.59
6/6/00 0:36	0.93	1344.08	83.87	1343.33	69.74	31.54	12.52	10.49	30.04	11.16	9.59
6/6/00 0:37	0.95	1344.09	83.87	1343.33	69.75	31.53	12.52	10.49	30.04	11.16	9.59
6/6/00 0:38	0.97	1344.08	83.86	1343.33	69.76	31.53	12.52	10.49	30.03	11.16	9.59
6/6/00 0:40	1.00	1344.09	83.85	1343.32	69.76	31.53	12.52	10.49	30.03	11.16	9.59
6/6/00 0:41	1.02	1344.10	83.85	1343.32	69.77	31.53	12.52	10.49	30.03	11.16	9.59
6/6/00 0:42	1.03	1344.09	83.85	1343.31	69.76	31.53	12.52	10.49	30.03	11.16	9.59
6/6/00 0:43	1.05	1344.09	83.85	1343.28	69.74	31.53	12.52	10.49	30.03	11.16	9.59
6/6/00 0:44	1.07	1344.09	83.85	1343.27	69.73	31.51	12.52	10.49	30.03	11.16	9.59
6/6/00 0:46	1.10	1344.08	83.83	1343.28	69.72	31.51	12.52	10.49	30.03	11.16	9.59
6/6/00 0:47	1.12	1344.08	83.82	1343.22	69.70	31.51	12.52	10.49	30.03	11.16	9.60
6/6/00 0:48	1.13	1344.08	83.81	1343.32	69.70	31.50	12.52	10.49	30.03	11.16	9.59
6/6/00 0:49	1.15	1344.08	83.80	1343.32	69.70	31.46	12.53	10.49	29.97	11.16	9.59
6/6/00 0:50	1.17	1344.08	83.78	1343.31	69.71	31.46	12.53	10.49	29.92	11.16	9.59
6/6/00 0:52	1.20	1344.09	83.77	1343.32	69.72	31.46	12.53	10.49	29.88	11.16	9.59
6/6/00 0:53	1.22	1344.08	83.77	1343.30	69.73	31.44	12.53	10.49	29.86	11.16	9.59
6/6/00 0:54	1.23	1344.09	83.77	1343.30	69.74	31.44	12.53	10.49	29.85	11.16	9.59
6/6/00 0:55	1.25	1344.08	83.77	1343.29	69.74	31.44	12.53	10.49	29.85	11.16	9.59
6/6/00 0:56	1.27	1344.08	83.77	1343.27	69.74	31.43	12.53	10.49	29.84	11.16	9.59
6/6/00 0:58	1.30	1344.09	83.76	1343.29	69.74	31.43	12.53	10.49	29.82	11.16	9.60
6/6/00 0:59	1.32	1344.08	83.75	1343.30	69.74	31.43	12.53	10.49	29.82	11.16	9.59
6/6/00 1:00	1.33	1344.07	83.75	1343.27	69.73	31.42	12.53	10.49	29.81	11.16	9.59
6/6/00 1:01	1.35	1344.07	83.74	1343.29	69.73	31.42	12.53	10.49	29.81	11.16	9.59
6/6/00 1:02	1.37	1344.08	83.74	1343.30	69.72	31.42	12.53	10.48	29.81	11.16	9.59
6/6/00 1:04	1.40	1344.08	83.74	1343.26	69.71	31.40	12.53	10.49	29.81	11.16	9.59

6/6/00 1:05	1.42	1344.09	83.73	1343.27	69.70	31.40	12.53	10.49	29.79	11.16	9.59
6/6/00 1:06	1.43	1344.09	83.73	1343.29	69.70	31.40	12.53	10.48	29.79	11.16	9.59
6/6/00 1:07	1.45	1344.08	83.73	1343.28	69.71	31.39	12.53	10.48	29.79	11.16	9.59
6/6/00 1:08	1.47	1344.07	83.73	1343.30	69.71	31.39	12.53	10.49	29.79	11.16	9.59
6/6/00 1:10	1.50	1344.07	83.72	1343.31	69.71	31.39	12.53	10.48	29.79	11.16	9.59
6/6/00 1:11	1.52	1344.07	83.71	1343.30	69.72	31.39	12.53	10.48	29.79	11.16	9.59
6/6/00 1:12	1.53	1344.07	83.70	1343.28	69.72	31.39	12.53	10.48	29.78	11.16	9.59
6/6/00 1:13	1.55	1344.07	83.69	1343.29	69.72	31.38	12.53	10.48	29.78	11.16	9.59
6/6/00 1:14	1.57	1344.07	83.68	1343.29	69.72	31.38	12.53	10.48	29.78	11.16	9.59
6/6/00 1:16	1.60	1344.08	83.67	1343.25	69.72	31.38	12.53	10.48	29.78	11.16	9.59
6/6/00 1:17	1.62	1344.07	83.66	1343.26	69.72	31.36	12.53	10.48	29.78	11.16	9.59
6/6/00 1:18	1.63	1344.07	83.66	1343.27	69.73	31.36	12.53	10.48	29.78	11.16	9.59
6/6/00 1:19	1.65	1344.06	83.65	1343.26	69.73	31.35	12.53	10.48	29.77	11.16	9.59
6/6/00 1:20	1.67	1344.05	83.64	1343.29	69.73	31.35	12.53	10.48	29.77	11.16	9.59
6/6/00 1:22	1.70	1344.07	83.63	1343.28	69.74	31.35	12.53	10.48	29.77	11.16	9.59
6/6/00 1:23	1.72	1344.06	83.62	1343.28	69.74	31.35	12.53	10.48	29.77	11.16	9.59
6/6/00 1:24	1.73	1344.06	83.61	1343.26	69.74	31.35	12.53	10.48	29.77	11.16	9.59
6/6/00 1:25	1.75	1344.06	83.60	1343.26	69.74	31.33	12.53	10.48	29.77	11.16	9.59
6/6/00 1:26	1.77	1344.06	83.59	1343.25	69.74	31.33	12.53	10.48	29.77	11.16	9.59
6/6/00 1:28	1.80	1344.06	83.58	1343.26	69.73	31.33	12.53	10.48	29.77	11.16	9.59
6/6/00 1:29	1.82	1344.06	83.58	1343.26	69.73	31.33	12.54	10.48	29.77	11.16	9.59
6/6/00 1:30	1.83	1344.07	83.58	1343.20	69.74	31.32	12.54	10.48	29.77	11.16	9.59
6/6/00 1:31	1.85	1344.07	83.57	1343.17	69.74	31.32	12.54	10.48	29.75	11.16	9.59
6/6/00 1:32	1.87	1344.06	83.57	1343.14	69.74	31.32	12.54	10.48	29.75	11.16	9.59
6/6/00 1:34	1.90	1344.06	83.56	1343.12	69.75	31.31	12.54	10.48	29.75	11.16	9.59
6/6/00 1:35	1.92	1344.06	83.55	1343.10	69.75	31.31	12.54	10.48	29.75	11.16	9.59
6/6/00 1:36	1.93	1344.02	83.55	1343.09	69.75	31.31	12.54	10.48	29.75	11.16	9.59
6/6/00 1:37	1.95	1344.02	83.54	1343.08	69.74	31.31	12.54	10.48	29.74	11.16	9.59
6/6/00 1:38	1.97	1344.02	83.54	1343.09	69.73	31.29	12.54	10.48	29.74	11.17	9.59
6/6/00 1:40	2.00	1344.02	83.52	1343.07	69.73	31.29	12.54	10.47	29.75	11.16	9.59
6/6/00 1:41	2.02	1344.02	83.52	1343.07	69.72	31.29	12.54	10.48	29.74	11.16	9.59
6/6/00 1:42	2.03	1344.02	83.51	1343.08	69.71	31.29	12.54	10.47	29.74	11.16	9.59
6/6/00 1:43	2.05	1344.00	83.51	1343.07	69.70	31.28	12.53	10.47	29.74	11.16	9.59
6/6/00 1:44	2.07	1344.00	83.50	1343.07	69.69	31.28	12.54	10.47	29.74	11.16	9.58
6/6/00 1:46	2.10	1344.01	83.50	1343.06	69.69	31.28	12.54	10.47	29.74	11.16	9.58
6/6/00 1:47	2.12	1344.01	83.50	1343.06	69.68	31.28	12.54	10.47	29.74	11.16	9.58
6/6/00 1:48	2.13	1344.00	83.50	1343.07	69.68	31.27	12.54	10.47	29.73	11.16	9.58
6/6/00 1:49	2.15	1344.01	83.50	1343.06	69.69	31.27	12.54	10.46	29.73	11.16	9.58
6/6/00 1:50	2.17	1344.00	83.50	1343.11	69.70	31.27	12.54	10.47	29.73	11.16	9.58
6/6/00 1:52	2.20	1343.99	83.49	1343.06	69.70	31.27	12.54	10.47	29.73	11.16	9.58
6/6/00 1:53	2.22	1343.99	83.48	1343.03	69.71	31.27	12.54	10.47	29.73	11.16	9.58
6/6/00 1:54	2.23	1344.00	83.47	1343.02	69.71	31.27	12.54	10.47	29.73	11.16	9.58
6/6/00 1:55	2.25	1343.99	83.46	1343.03	69.70	31.27	12.54	10.46	29.73	11.16	9.58
6/6/00 1:56	2.27	1343.99	83.45	1343.04	69.70	31.27	12.54	10.46	29.73	11.16	9.58
6/6/00 1:58	2.30	1343.99	83.44	1343.04	69.69	31.27	12.54	10.46	29.71	11.16	9.58
6/6/00 1:59	2.32	1344.00	83.43	1343.03	69.69	31.25	12.54	10.46	29.71	11.16	9.58
6/6/00 2:00	2.33	1343.99	83.43	1343.05	69.69	31.25	12.54	10.46	29.71	11.16	9.58
6/6/00 2:01	2.35	1343.99	83.43	1343.09	69.70	31.25	12.54	10.46	29.71	11.16	9.58
6/6/00 2:02	2.37	1343.99	83.42	1343.06	69.71	31.25	12.54	10.46	29.71	11.16	9.58
6/6/00 2:04	2.40	1343.98	83.41	1343.03	69.72	31.24	12.54	10.46	29.71	11.16	9.58
6/6/00 2:05	2.42	1343.99	83.40	1343.02	69.72	31.25	12.54	10.46	29.71	11.16	9.58
6/6/00 2:06	2.43	1343.98	83.40	1343.01	69.72	31.24	12.54	10.46	29.71	11.16	9.58
6/6/00 2:07	2.45	1343.98	83.39	1343.00	69.71	31.25	12.54	10.46	29.70	11.16	9.58
6/6/00 2:08	2.47	1343.97	83.38	1342.98	69.70	31.24	12.54	10.46	29.70	11.16	9.58
6/6/00 2:10	2.50	1343.98	83.37	1343.05	69.69	31.24	12.54	10.45	29.70	11.16	9.57
6/6/00 2:11	2.52	1343.98	83.36	1343.05	69.68	31.24	12.54	10.46	29.70	11.16	9.57
6/6/00 2:12	2.53	1343.98	83.36	1343.01	69.67	31.24	12.54	10.46	29.70	11.16	9.57
6/6/00 2:13	2.55	1343.98	83.35	1343.02	69.67	31.22	12.54	10.45	29.70	11.16	9.57
6/6/00 2:14	2.57	1343.97	83.35	1343.02	69.67	31.22	12.54	10.45	29.70	11.16	9.57
6/6/00 2:16	2.60	1343.98	83.34	1343.04	69.67	31.22	12.54	10.45	29.70	11.16	9.57
6/6/00 2:17	2.62	1343.97	83.34	1343.03	69.68	31.22	12.54	10.45	29.70	11.16	9.57
6/6/00 2:18	2.63	1343.97	83.34	1343.04	69.68	31.22	12.54	10.45	29.68	11.16	9.57
6/6/00 2:19	2.65	1343.97	83.33	1343.03	69.68	31.22	12.54	10.45	29.68	11.16	9.57
6/6/00 2:20	2.67	1343.98	83.33	1343.02	69.68	31.21	12.54	10.45	29.68	11.16	9.57
6/6/00 2:22	2.70	1343.97	83.33	1343.03	69.68	31.21	12.54	10.45	29.68	11.16	9.57
6/6/00 2:23	2.72	1343.97	83.32	1343.04	69.68	31.21	12.54	10.45	29.68	11.16	9.57
6/6/00 2:24	2.73	1343.97	83.32	1343.03	69.68	31.21	12.54	10.44	29.68	11.16	9.57
6/6/00 2:25	2.75	1343.97	83.31	1343.01	69.68	31.21	12.54	10.44	29.68	11.16	9.57
6/6/00 2:26	2.77	1343.96	83.31	1343.00	69.68	31.20	12.54	10.44	29.68	11.16	9.57
6/6/00 2:28	2.80	1343.96	83.30	1343.03	69.69	31.20	12.54	10.44	29.68	11.16	9.57
6/6/00 2:29	2.82	1343.96	83.30	1343.04	69.69	31.21	12.54	10.44	29.68	11.16	9.57
6/6/00 2:30	2.83	1343.96	83.29	1343.02	69.69	31.20	12.54	10.44	29.68	11.16	9.57
6/6/00 2:31	2.85	1343.97	83.29	1343.01	69.68	31.20	12.54	10.44	29.67	11.16	9.57
6/6/00 2:32	2.87	1343.97	83.29	1343.01	69.68	31.20	12.54	10.44	29.67	11.16	9.56
6/6/00 2:34	2.90	1343.96	83.28	1342.99	69.68	31.20	12.54	10.44	29.67	11.16	9.56
6/6/00 2:35	2.92	1343.96	83.27	1343.00	69.68	31.18	12.54	10.44	29.67	11.16	9.56
6/6/00 2:36	2.93	1343.96	83.27	1343.02	69.68	31.18	12.54	10.44	29.67	11.16	9.56
6/6/00 2:37	2.95	1343.95	83.26	1343.02	69.68	31.18	12.54	10.44	29.67	11.16	9.56
6/6/00 2:38	2.97	1343.95	83.25	1343.01	69.68	31.17	12.54	10.44	29.67	11.16	9.56
6/6/00 2:40	3.00	1343.95	83.24	1343.00	69.68	31.17	12.54	10.43	29.67	11.16	9.56

6/6/00 2:44	3.07	1343.94	83.20	1343.00	69.68	31.14	12.54	10.43	29.66	11.16	9.56
6/6/00 2:46	3.10	1343.94	83.18	1343.01	69.68	31.14	12.54	10.43	29.66	11.16	9.56
6/6/00 2:47	3.12	1343.94	83.18	1343.02	69.68	31.14	12.54	10.43	29.66	11.16	9.56
6/6/00 2:48	3.13	1343.94	83.17	1342.99	69.67	31.13	12.54	10.43	29.66	11.16	9.56
6/6/00 2:49	3.15	1343.94	83.17	1343.00	69.67	31.13	12.54	10.43	29.66	11.16	9.56
6/6/00 2:50	3.17	1343.93	83.16	1343.01	69.66	31.13	12.54	10.43	29.66	11.16	9.56
6/6/00 2:52	3.20	1343.94	83.15	1343.01	69.66	31.12	12.54	10.43	29.66	11.16	9.56
6/6/00 2:53	3.22	1343.94	83.15	1343.01	69.65	31.12	12.54	10.43	29.66	11.16	9.56
6/6/00 2:54	3.23	1343.94	83.15	1343.01	69.65	31.12	12.54	10.42	29.64	11.16	9.56
6/6/00 2:55	3.25	1343.93	83.14	1343.02	69.66	31.10	12.54	10.42	29.66	11.17	9.56
6/6/00 2:56	3.27	1343.93	83.14	1343.02	69.66	31.10	12.54	10.42	29.66	11.17	9.56
6/6/00 2:58	3.30	1343.93	83.14	1343.01	69.66	31.10	12.54	10.42	29.64	11.16	9.56
6/6/00 2:59	3.32	1343.93	83.14	1342.99	69.67	31.10	12.54	10.42	29.64	11.16	9.56
6/6/00 3:00	3.33	1343.93	83.13	1342.97	69.68	31.10	12.54	10.42	29.64	11.16	9.55
6/6/00 3:01	3.35	1343.93	83.13	1342.98	69.68	31.10	12.54	10.42	29.64	11.16	9.55
6/6/00 3:02	3.37	1343.94	83.13	1343.01	69.69	31.10	12.54	10.42	29.64	11.16	9.55
6/6/00 3:04	3.40	1343.93	83.12	1343.02	69.70	31.10	12.54	10.42	29.64	11.16	9.55
6/6/00 3:05	3.42	1343.93	83.12	1343.01	69.70	31.10	12.54	10.42	29.64	11.16	9.55
6/6/00 3:06	3.43	1343.93	83.11	1342.96	69.71	31.10	12.54	10.42	29.64	11.16	9.55
6/6/00 3:07	3.45	1343.93	83.10	1342.94	69.71	31.10	12.54	10.42	29.64	11.16	9.55
6/6/00 3:08	3.47	1343.93	83.10	1342.94	69.70	31.09	12.54	10.42	29.64	11.16	9.55
6/6/00 3:10	3.50	1343.92	83.09	1342.98	69.70	31.09	12.54	10.42	29.64	11.16	9.55
6/6/00 3:11	3.52	1343.92	83.08	1342.98	69.70	31.09	12.54	10.41	29.64	11.16	9.55
6/6/00 3:12	3.53	1343.93	83.08	1342.98	69.70	31.09	12.54	10.42	29.63	11.16	9.55
6/6/00 3:13	3.55	1343.92	83.08	1342.97	69.70	31.09	12.54	10.41	29.63	11.16	9.54
6/6/00 3:14	3.57	1343.91	83.07	1342.97	69.70	31.09	12.53	10.41	29.63	11.16	9.54
6/6/00 3:16	3.60	1343.91	83.06	1342.96	69.70	31.07	12.54	10.41	29.63	11.16	9.54
6/6/00 3:17	3.62	1343.91	83.06	1342.96	69.70	31.07	12.54	10.41	29.63	11.16	9.54
6/6/00 3:18	3.63	1343.91	83.05	1342.97	69.69	31.07	12.54	10.41	29.63	11.16	9.54
6/6/00 3:19	3.65	1343.91	83.04	1342.96	69.68	31.07	12.53	10.41	29.63	11.16	9.54
6/6/00 3:20	3.67	1343.92	83.04	1342.97	69.67	31.07	12.53	10.41	29.63	11.16	9.54
6/6/00 3:22	3.70	1343.91	83.03	1342.98	69.66	31.07	12.54	10.41	29.63	11.16	9.54
6/6/00 3:23	3.72	1343.90	83.03	1342.95	69.65	31.09	12.53	10.40	29.66	11.16	9.54
6/6/00 3:24	3.73	1343.90	83.03	1343.00	69.66	31.09	12.53	10.40	29.67	11.16	9.54
6/6/00 3:25	3.75	1343.91	83.02	1342.99	69.67	31.09	12.53	10.40	29.67	11.16	9.54
6/6/00 3:26	3.77	1343.91	83.02	1342.98	69.68	31.09	12.54	10.41	29.67	11.16	9.54
6/6/00 3:28	3.80	1343.90	83.01	1342.97	69.69	31.07	12.53	10.40	29.67	11.16	9.54
6/6/00 3:29	3.82	1343.90	83.00	1342.96	69.71	31.07	12.53	10.40	29.67	11.16	9.54
6/6/00 3:30	3.83	1343.90	83.00	1342.96	69.72	31.07	12.53	10.40	29.67	11.16	9.54
6/6/00 3:31	3.85	1343.89	82.99	1342.96	69.72	31.07	12.53	10.40	29.67	11.16	9.54
6/6/00 3:32	3.87	1343.89	82.98	1342.97	69.72	31.07	12.53	10.40	29.67	11.16	9.54
6/6/00 3:34	3.90	1343.89	82.97	1342.97	69.72	31.10	12.53	10.40	29.74	11.16	9.54
6/6/00 3:35	3.92	1343.89	82.97	1342.97	69.72	31.12	12.53	10.40	29.75	11.16	9.53
6/6/00 3:36	3.93	1343.89	82.96	1342.95	69.72	31.10	12.53	10.40	29.75	11.16	9.53
6/6/00 3:37	3.95	1343.89	82.96	1342.94	69.71	31.12	12.53	10.40	29.75	11.16	9.53
6/6/00 3:38	3.97	1343.90	82.96	1342.93	69.70	31.12	12.53	10.40	29.74	11.16	9.53
6/6/00 3:40	4.00	1343.89	82.95	1342.94	69.70	31.10	12.53	10.40	29.75	11.16	9.53
6/6/00 3:41	4.02	1343.90	82.94	1342.95	69.69	31.10	12.53	10.40	29.75	11.16	9.53
6/6/00 3:42	4.03	1343.90	82.94	1342.94	69.68	31.10	12.53	10.40	29.75	11.16	9.53
6/6/00 3:43	4.05	1343.89	82.93	1342.96	69.67	31.10	12.53	10.40	29.75	11.15	9.53
6/6/00 3:44	4.07	1343.88	82.93	1342.96	69.67	31.10	12.53	10.40	29.77	11.16	9.53
6/6/00 3:46	4.10	1343.88	82.92	1342.92	69.67	31.10	12.53	10.40	29.77	11.16	9.53
6/6/00 3:47	4.12	1343.89	82.91	1342.94	69.66	31.10	12.53	10.39	29.77	11.15	9.53
6/6/00 3:48	4.13	1343.89	82.91	1342.96	69.66	31.10	12.53	10.40	29.78	11.15	9.53
6/6/00 3:49	4.15	1343.89	82.91	1342.95	69.67	31.10	12.53	10.39	29.78	11.15	9.53
6/6/00 3:50	4.17	1343.88	82.90	1342.94	69.67	31.10	12.53	10.39	29.79	11.15	9.53
6/6/00 3:52	4.20	1343.88	82.89	1342.94	69.68	31.09	12.53	10.39	29.79	11.15	9.53
6/6/00 3:53	4.22	1343.88	82.88	1342.96	69.68	31.09	12.53	10.39	29.79	11.15	9.53
6/6/00 3:54	4.23	1343.88	82.88	1342.95	69.69	31.09	12.53	10.39	29.79	11.15	9.53
6/6/00 3:55	4.25	1343.87	82.87	1342.94	69.69	31.09	12.53	10.39	29.81	11.15	9.53
6/6/00 3:56	4.27	1343.87	82.87	1342.95	69.69	31.09	12.53	10.39	29.81	11.15	9.53
6/6/00 3:58	4.30	1343.87	82.86	1342.94	69.69	31.09	12.53	10.39	29.81	11.15	9.53
6/6/00 3:59	4.32	1343.86	82.85	1342.94	69.69	31.07	12.53	10.39	29.81	11.16	9.53
6/6/00 4:00	4.33	1343.87	82.85	1342.94	69.69	31.09	12.53	10.39	29.81	11.16	9.53
6/6/00 4:01	4.35	1343.87	82.85	1342.93	69.69	31.07	12.53	10.39	29.82	11.16	9.53
6/6/00 4:02	4.37	1343.87	82.84	1342.94	69.69	31.07	12.53	10.39	29.82	11.16	9.53
6/6/00 4:04	4.40	1343.87	82.83	1342.95	69.68	31.07	12.53	10.39	29.82	11.16	9.53
6/6/00 4:05	4.42	1343.86	82.83	1342.93	69.68	31.07	12.53	10.39	29.82	11.16	9.53
6/6/00 4:06	4.43	1343.86	82.82	1342.95	69.68	31.09	12.53	10.39	29.86	11.16	9.53
6/6/00 4:07	4.45	1343.86	82.82	1342.95	69.68	31.10	12.53	10.39	29.89	11.17	9.53
6/6/00 4:08	4.47	1343.87	82.81	1342.96	69.68	31.10	12.53	10.39	29.90	11.17	9.53
6/6/00 4:10	4.50	1343.87	82.81	1342.96	69.68	31.10	12.53	10.39	29.93	11.17	9.53
6/6/00 4:11	4.52	1343.87	82.80	1342.96	69.68	31.09	12.53	10.39	29.93	11.18	9.53
6/6/00 4:12	4.53	1343.86	82.80	1342.95	69.67	31.09	12.53	10.39	29.95	11.18	9.53
6/6/00 4:13	4.55	1343.86	82.80	1342.91	69.67	31.07	12.53	10.39	29.93	11.18	9.53
6/6/00 4:14	4.57	1343.86	82.80	1342.90	69.66	31.06	12.53	10.39	29.92	11.18	9.52
6/6/00 4:16	4.60	1343.86	82.79	1342.95	69.65	31.06	12.53	10.39	29.93	11.19	9.52
6/6/00 4:17	4.62	1343.86	82.79	1342.95	69.65	31.06	12.53	10.39	29.93	11.19	9.52
6/6/00 4:18	4.63	1343.85	82.78	1342.93	69.65	31.06	12.53	10.39	29.95	11.20	9.52
6/6/00 4:19	4.65	1343.85	82.77	1342.94	69.65	31.05	12.53	10.39	29.95	11.20	9.53
6/6/00 4:20	4.67	1343.85	82.76	1342.94	69.65	31.05	12.53	10.39	29.95	11.20	9.53

6/6/00 4:22	4.70	1343.85	82.75	1342.94	69.66	31.05	12.53	10.39	29.96	11.21	9.53
6/6/00 4:23	4.72	1343.85	82.75	1342.95	69.66	31.03	12.53	10.39	29.96	11.21	9.53
6/6/00 4:24	4.73	1343.85	82.74	1342.95	69.67	31.03	12.54	10.39	29.96	11.21	9.53
6/6/00 4:25	4.75	1343.85	82.74	1342.94	69.67	31.02	12.54	10.39	29.97	11.22	9.53
6/6/00 4:26	4.77	1343.85	82.73	1342.94	69.68	31.02	12.54	10.40	29.97	11.22	9.53
6/6/00 4:28	4.80	1343.86	82.73	1342.93	69.68	31.02	12.54	10.40	29.97	11.23	9.53
6/6/00 4:29	4.82	1343.85	82.72	1342.93	69.69	31.02	12.54	10.40	30.00	11.23	9.53
6/6/00 4:30	4.83	1343.85	82.72	1342.92	69.69	31.02	12.54	10.40	30.00	11.23	9.53
6/6/00 4:31	4.85	1343.85	82.72	1342.90	69.68	31.02	12.54	10.40	30.01	11.24	9.53
6/6/00 4:32	4.87	1343.85	82.72	1342.90	69.68	31.01	12.54	10.40	30.03	11.24	9.53
6/6/00 4:34	4.90	1343.84	82.71	1342.92	69.68	31.01	12.54	10.39	30.03	11.25	9.53
6/6/00 4:35	4.92	1343.84	82.71	1342.94	69.67	31.01	12.54	10.40	30.04	11.25	9.53
6/6/00 4:36	4.93	1343.85	82.71	1342.94	69.67	30.99	12.54	10.40	30.03	11.26	9.53
6/6/00 4:37	4.95	1343.85	82.70	1342.92	69.67	30.99	12.55	10.40	30.04	11.26	9.53
6/6/00 4:38	4.97	1343.85	82.70	1342.91	69.68	30.99	12.55	10.40	30.04	11.26	9.53
6/6/00 4:40	5.00	1343.84	82.69	1342.92	69.68	30.99	12.55	10.40	30.06	11.25	9.53
6/6/00 4:41	5.02	1343.84	82.69	1342.91	69.68	30.99	12.55	10.40	30.06	11.25	9.53
6/6/00 4:42	5.03	1343.84	82.68	1342.92	69.68	30.99	12.55	10.40	30.06	11.25	9.53
6/6/00 4:43	5.05	1343.84	82.68	1342.93	69.68	30.98	12.55	10.40	30.07	11.25	9.53
6/6/00 4:44	5.07	1343.83	82.67	1342.92	69.67	30.98	12.55	10.40	30.07	11.25	9.53
6/6/00 4:46	5.10	1343.84	82.67	1342.90	69.67	30.96	12.55	10.40	30.07	11.24	9.53
6/6/00 4:47	5.12	1343.84	82.66	1342.89	69.66	30.96	12.56	10.40	30.07	11.24	9.52
6/6/00 4:48	5.13	1343.84	82.66	1342.94	69.66	30.96	12.56	10.40	30.07	11.25	9.53
6/6/00 4:49	5.15	1343.83	82.66	1342.92	69.67	30.95	12.56	10.40	30.06	11.25	9.53
6/6/00 4:50	5.17	1343.84	82.65	1342.93	69.67	30.95	12.56	10.40	30.07	11.25	9.52
6/6/00 4:52	5.20	1343.83	82.64	1342.92	69.68	30.94	12.56	10.40	30.06	11.25	9.52
6/6/00 4:53	5.22	1343.83	82.63	1342.92	69.68	30.94	12.56	10.40	30.07	11.25	9.52
6/6/00 4:54	5.23	1343.83	82.63	1342.91	69.69	30.94	12.56	10.40	30.07	11.25	9.52
6/6/00 4:55	5.25	1343.83	82.62	1342.93	69.69	30.94	12.56	10.40	30.08	11.25	9.53
6/6/00 4:56	5.27	1343.83	82.61	1342.91	69.69	30.94	12.56	10.40	30.08	11.25	9.52
6/6/00 4:58	5.30	1343.83	82.60	1342.89	69.69	30.94	12.56	10.40	30.08	11.25	9.52
6/6/00 4:59	5.32	1343.83	82.59	1342.89	69.69	30.94	12.56	10.40	30.08	11.24	9.52
6/6/00 5:00	5.33	1343.82	82.59	1342.87	69.69	30.94	12.57	10.41	30.08	11.24	9.52
6/6/00 5:01	5.35	1343.82	82.59	1342.89	69.67	30.92	12.57	10.40	30.10	11.25	9.52
6/6/00 5:02	5.37	1343.80	82.58	1342.89	69.66	30.92	12.57	10.41	30.10	11.24	9.53
6/6/00 5:04	5.40	1343.82	82.57	1342.90	69.65	30.91	12.57	10.40	30.08	11.24	9.52
6/6/00 5:05	5.42	1343.82	82.56	1342.90	69.64	30.91	12.57	10.41	30.08	11.24	9.52
6/6/00 5:06	5.43	1343.82	82.55	1342.92	69.64	30.91	12.57	10.40	30.08	11.24	9.52
6/6/00 5:07	5.45	1343.82	82.55	1342.90	69.64	30.91	12.57	10.41	30.03	11.25	9.52
6/6/00 5:08	5.47	1343.82	82.54	1342.90	69.65	30.87	12.57	10.40	30.04	11.24	9.52
6/6/00 5:10	5.50	1343.83	82.54	1342.91	69.65	30.85	12.57	10.40	30.03	11.25	9.52
6/6/00 5:11	5.52	1343.83	82.54	1342.91	69.66	30.85	12.57	10.41	30.03	11.24	9.52
6/6/00 5:12	5.53	1343.82	82.55	1342.89	69.67	30.84	12.57	10.40	30.01	11.25	9.52
6/6/00 5:13	5.55	1343.82	82.55	1342.90	69.67	30.84	12.57	10.40	30.01	11.24	9.52
6/6/00 5:14	5.57	1343.83	82.55	1342.93	69.68	30.83	12.58	10.41	30.01	11.25	9.52
6/6/00 5:16	5.60	1343.82	82.55	1342.91	69.68	30.85	12.58	10.40	30.04	11.25	9.52
6/6/00 5:17	5.62	1343.82	82.54	1342.90	69.68	30.85	12.58	10.40	30.06	11.24	9.52
6/6/00 5:18	5.63	1343.82	82.54	1342.89	69.68	30.84	12.58	10.40	30.06	11.24	9.52
6/6/00 5:19	5.65	1343.81	82.53	1342.88	69.67	30.83	12.58	10.40	30.07	11.24	9.52
6/6/00 5:20	5.67	1343.82	82.52	1342.87	69.66	30.83	12.57	10.41	30.07	11.24	9.52
6/6/00 5:22	5.70	1343.81	82.52	1342.87	69.66	30.81	12.58	10.40	30.07	11.24	9.52
6/6/00 5:23	5.72	1343.82	82.51	1342.87	69.65	30.80	12.57	10.41	30.07	11.24	9.52
6/6/00 5:24	5.73	1343.83	82.51	1342.91	69.65	30.79	12.57	10.40	30.07	11.24	9.52
6/6/00 5:25	5.75	1343.82	82.51	1342.92	69.66	30.76	12.57	10.41	30.07	11.24	9.52
6/6/00 5:26	5.77	1343.82	82.51	1342.93	69.66	30.79	12.57	10.41	30.07	11.25	9.53
6/6/00 5:28	5.80	1343.82	82.50	1342.92	69.67	30.77	12.57	10.41	30.07	11.24	9.52
6/6/00 5:29	5.82	1343.81	82.50	1342.93	69.68	30.76	12.57	10.41	30.07	11.24	9.52
6/6/00 5:30	5.83	1343.81	82.49	1342.91	69.68	30.77	12.56	10.41	30.07	11.24	9.52
6/6/00 5:31	5.85	1343.81	82.48	1342.89	69.68	30.79	12.56	10.41	30.07	11.24	9.53
6/6/00 5:32	5.87	1343.81	82.48	1342.89	69.68	30.77	12.56	10.41	30.07	11.24	9.52
6/6/00 5:34	5.90	1343.80	82.47	1342.90	69.68	30.79	12.56	10.41	30.07	11.23	9.52
6/6/00 5:35	5.92	1343.81	82.46	1342.90	69.68	30.79	12.56	10.42	30.07	11.24	9.52
6/6/00 5:36	5.93	1343.81	82.46	1342.90	69.68	30.79	12.55	10.42	30.07	11.24	9.53
6/6/00 5:37	5.95	1343.81	82.46	1342.90	69.68	30.79	12.55	10.42	30.08	11.24	9.53
6/6/00 5:38	5.97	1343.81	82.45	1342.91	69.68	30.77	12.55	10.42	30.08	11.24	9.53
6/6/00 5:40	6.00	1343.81	82.45	1342.90	69.68	30.79	12.54	10.42	30.08	11.24	9.53
6/6/00 5:41	6.02	1343.81	82.45	1342.89	69.68	30.79	12.54	10.42	30.08	11.24	9.53
6/6/00 5:42	6.03	1343.81	82.45	1342.88	69.68	30.79	12.54	10.42	30.08	11.24	9.53
6/6/00 5:43	6.05	1343.81	82.45	1342.88	69.67	30.79	12.54	10.42	30.08	11.24	9.53
6/6/00 5:44	6.07	1343.81	82.45	1342.92	69.67	30.80	12.53	10.42	30.08	11.24	9.53
6/6/00 5:46	6.10	1343.80	82.44	1342.92	69.66	30.77	12.53	10.42	30.08	11.25	9.53
6/6/00 5:47	6.12	1343.80	82.43	1342.94	69.65	30.80	12.53	10.43	30.08	11.24	9.53
6/6/00 5:48	6.13	1343.80	82.42	1342.94	69.65	30.83	12.52	10.42	30.08	11.23	9.52
6/6/00 5:49	6.15	1343.81	82.41	1342.92	69.65	30.84	12.51	10.42	30.10	11.23	9.52
6/6/00 5:50	6.17	1343.81	82.41	1342.94	69.65	30.81	12.51	10.42	30.10	11.24	9.53
6/6/00 5:52	6.20	1343.82	82.40	1342.94	69.65	30.79	12.51	10.42	30.10	11.24	9.53
6/6/00 5:53	6.22	1343.82	82.39	1342.98	69.65	30.79	12.51	10.43	30.10	11.24	9.54
6/6/00 5:54	6.23	1343.82	82.39	1342.94	69.66	30.83	12.51	10.43	30.10	11.23	9.53
6/6/00 5:55	6.25	1343.83	82.39	1342.92	69.66	30.80	12.50	10.42	30.10	11.24	9.53
6/6/00 5:56	6.27	1343.83	82.39	1342.94	69.66	30.77	12.50	10.43	30.10	11.24	9.53
6/6/00 5:58	6.30	1343.82	82.38	1342.94	69.66	30.80	12.50	10.43	30.10	11.25	9.54

6/6/00 5:59	6.32	1343.82	82.37	1342.94	69.66	30.83	12.49	10.43	30.10	11.24	9.53
6/6/00 6:00	6.33	1343.82	82.36	1342.91	69.66	30.80	12.49	10.43	30.11	11.24	9.53
6/6/00 6:01	6.35	1343.82	82.36	1342.96	69.65	30.81	12.49	10.43	30.11	11.24	9.53
6/6/00 6:02	6.37	1343.82	82.35	1343.00	69.65	30.83	12.49	10.43	30.11	11.24	9.54
6/6/00 6:04	6.40	1343.83	82.34	1343.01	69.64	30.84	12.49	10.43	30.11	11.24	9.53
6/6/00 6:05	6.42	1343.83	82.34	1343.03	69.64	30.84	12.48	10.43	30.11	11.24	9.53
6/6/00 6:06	6.43	1343.82	82.34	1343.04	69.64	30.83	12.49	10.44	30.11	11.23	9.53
6/6/00 6:07	6.45	1343.84	82.34	1343.03	69.64	30.81	12.48	10.44	30.11	11.24	9.53
6/6/00 6:08	6.47	1343.84	82.34	1343.01	69.65	30.84	12.48	10.43	30.11	11.23	9.53
6/6/00 6:10	6.50	1343.86	82.34	1343.02	69.66	30.80	12.48	10.43	30.11	11.23	9.54
6/6/00 6:11	6.52	1343.87	82.33	1343.02	69.67	30.77	12.48	10.44	30.11	11.24	9.54
6/6/00 6:12	6.53	1343.87	82.33	1343.02	69.67	30.77	12.48	10.44	30.11	11.24	9.54
6/6/00 6:13	6.55	1343.87	82.33	1343.02	69.67	30.80	12.48	10.44	30.11	11.24	9.54
6/6/00 6:14	6.57	1343.87	82.32	1343.03	69.67	30.83	12.48	10.44	30.11	11.22	9.53
6/6/00 6:16	6.60	1343.87	82.31	1343.01	69.66	30.81	12.47	10.44	30.12	11.23	9.54
6/6/00 6:17	6.62	1343.86	82.31	1343.02	69.66	30.81	12.47	10.44	30.12	11.23	9.54
6/6/00 6:18	6.63	1343.87	82.30	1343.02	69.65	30.85	12.48	10.44	30.12	11.21	9.53
6/6/00 6:19	6.65	1343.87	82.29	1343.03	69.65	30.83	12.47	10.44	30.12	11.22	9.53
6/6/00 6:20	6.67	1343.86	82.29	1343.04	69.64	30.80	12.47	10.44	30.12	11.24	9.54
6/6/00 6:22	6.70	1343.87	82.28	1343.04	69.64	30.79	12.47	10.44	30.12	11.24	9.54
6/6/00 6:23	6.72	1343.86	82.27	1343.06	69.63	30.77	12.47	10.44	30.12	11.25	9.55
6/6/00 6:24	6.73	1343.87	82.27	1343.06	69.64	30.80	12.48	10.44	30.12	11.23	9.55
6/6/00 6:25	6.75	1343.87	82.26	1343.08	69.64	30.84	12.47	10.44	30.12	11.21	9.54
6/6/00 6:26	6.77	1343.87	82.26	1343.09	69.65	30.85	12.47	10.45	30.12	11.21	9.54
6/6/00 6:28	6.80	1343.88	82.25	1343.05	69.66	30.83	12.47	10.44	30.12	11.21	9.54
6/6/00 6:29	6.82	1343.88	82.24	1343.06	69.66	30.84	12.47	10.45	30.12	11.19	9.54
6/6/00 6:30	6.83	1343.88	82.24	1343.06	69.67	30.85	12.47	10.45	30.12	11.18	9.54
6/6/00 6:31	6.85	1343.87	82.23	1343.09	69.67	30.83	12.47	10.45	30.14	11.19	9.54
6/6/00 6:32	6.87	1343.87	82.23	1343.08	69.68	30.85	12.47	10.45	30.14	11.19	9.54
6/6/00 6:34	6.90	1343.88	82.22	1343.07	69.68	30.88	12.47	10.44	30.14	11.17	9.53
6/6/00 6:35	6.92	1343.87	82.21	1343.07	69.68	30.85	12.47	10.44	30.14	11.19	9.54
6/6/00 6:36	6.93	1343.87	82.21	1343.07	69.68	30.83	12.47	10.45	30.14	11.25	9.55
6/6/00 6:37	6.95	1343.87	82.20	1343.07	69.67	30.81	12.47	10.45	30.14	11.25	9.55
6/6/00 6:38	6.97	1343.88	82.20	1343.07	69.67	30.80	12.47	10.45	30.14	11.25	9.56
6/6/00 6:40	7.00	1343.88	82.19	1343.07	69.66	30.80	12.47	10.45	30.14	11.25	9.56
6/6/00 6:41	7.02	1343.88	82.18	1343.08	69.66	30.77	12.47	10.45	30.14	11.24	9.56
6/6/00 6:42	7.03	1343.88	82.18	1343.10	69.65	30.76	12.47	10.45	30.14	11.24	9.55
6/6/00 6:43	7.05	1343.88	82.18	1343.09	69.65	30.76	12.47	10.46	30.14	11.25	9.56
6/6/00 6:44	7.07	1343.88	82.18	1343.09	69.65	30.77	12.47	10.45	30.14	11.20	9.55
6/6/00 6:46	7.10	1343.89	82.17	1343.10	69.64	30.81	12.47	10.46	30.14	11.19	9.55
6/6/00 6:47	7.12	1343.89	82.17	1343.07	69.64	30.84	12.47	10.45	30.14	11.17	9.54
6/6/00 6:48	7.13	1343.89	82.16	1343.11	69.64	30.81	12.47	10.45	30.14	11.18	9.55
6/6/00 6:49	7.15	1343.89	82.16	1343.09	69.64	30.79	12.47	10.46	30.14	11.22	9.55
6/6/00 6:50	7.17	1343.88	82.16	1343.07	69.64	30.79	12.47	10.46	30.14	11.23	9.56
6/6/00 6:52	7.20	1343.89	82.15	1343.10	69.64	30.79	12.47	10.46	30.14	11.25	9.56
6/6/00 6:53	7.22	1343.89	82.14	1343.12	69.64	30.77	12.47	10.46	30.14	11.23	9.56
6/6/00 6:54	7.23	1343.88	82.14	1343.11	69.64	30.79	12.47	10.46	30.14	11.20	9.55
6/6/00 6:55	7.25	1343.88	82.13	1343.11	69.63	30.77	12.47	10.46	30.14	11.20	9.55
6/6/00 6:56	7.27	1343.89	82.13	1343.11	69.63	30.76	12.47	10.46	30.14	11.22	9.56
6/6/00 6:58	7.30	1343.89	82.12	1343.17	69.63	30.76	12.47	10.46	30.14	11.24	9.56
6/6/00 6:59	7.32	1343.89	82.11	1343.15	69.62	30.77	12.47	10.47	30.14	11.25	9.56
6/6/00 7:00	7.33	1343.89	82.11	1343.19	69.62	30.83	12.47	10.46	30.14	11.24	9.56
6/6/00 7:01	7.35	1343.90	82.11	1343.20	69.62	30.79	12.47	10.46	30.14	11.24	9.56
6/6/00 7:02	7.37	1343.89	82.10	1343.22	69.61	30.77	12.47	10.46	30.14	11.25	9.56
6/6/00 7:04	7.40	1343.92	82.09	1343.22	69.61	30.80	12.47	10.46	30.14	11.23	9.56
6/6/00 7:05	7.42	1343.92	82.09	1343.22	69.61	30.79	12.47	10.46	30.14	11.24	9.56
6/6/00 7:06	7.43	1343.93	82.08	1343.23	69.61	30.79	12.47	10.46	30.14	11.23	9.56
6/6/00 7:07	7.45	1343.93	82.07	1343.24	69.61	30.77	12.47	10.46	30.14	11.25	9.56
6/6/00 7:08	7.47	1343.92	82.07	1343.24	69.62	30.75	12.47	10.46	30.14	11.25	9.56
6/6/00 7:10	7.50	1343.93	82.06	1343.23	69.62	30.73	12.47	10.46	30.14	11.25	9.56
6/6/00 7:11	7.52	1343.93	82.06	1343.23	69.62	30.75	12.47	10.47	30.14	11.24	9.56
6/6/00 7:12	7.53	1343.93	82.06	1343.24	69.62	30.77	12.47	10.46	30.14	11.23	9.56
6/6/00 7:13	7.55	1343.94	82.06	1343.24	69.62	30.75	12.47	10.46	30.14	11.21	9.56
6/6/00 7:14	7.57	1343.94	82.06	1343.22	69.63	30.75	12.47	10.46	30.14	11.25	9.56
6/6/00 7:16	7.60	1343.93	82.05	1343.23	69.63	30.73	12.47	10.47	30.14	11.25	9.56
6/6/00 7:17	7.62	1343.93	82.05	1343.22	69.63	30.76	12.47	10.47	30.14	11.25	9.56
6/6/00 7:18	7.63	1343.93	82.05	1343.25	69.63	30.77	12.47	10.47	30.14	11.22	9.56
6/6/00 7:19	7.65	1343.93	82.05	1343.27	69.64	30.76	12.47	10.47	30.14	11.21	9.56
6/6/00 7:20	7.67	1343.94	82.04	1343.26	69.64	30.76	12.47	10.47	30.14	11.17	9.55
6/6/00 7:22	7.70	1343.94	82.04	1343.26	69.64	30.76	12.47	10.48	30.14	11.21	9.57
6/6/00 7:23	7.72	1343.94	82.03	1343.26	69.65	30.80	12.47	10.46	30.14	11.18	9.56
6/6/00 7:24	7.73	1343.94	82.03	1343.25	69.65	30.77	12.47	10.47	30.14	11.17	9.56
6/6/00 7:25	7.75	1343.93	82.02	1343.26	69.65	30.79	12.47	10.47	30.14	11.15	9.55
6/6/00 7:26	7.77	1343.94	82.02	1343.26	69.65	30.77	12.47	10.47	30.14	11.15	9.56
6/6/00 7:28	7.80	1343.94	82.01	1343.26	69.65	30.76	12.47	10.47	30.14	11.17	9.56
6/6/00 7:29	7.82	1343.95	82.00	1343.26	69.64	30.79	12.47	10.48	30.14	11.17	9.56
6/6/00 7:30	7.83	1343.94	82.00	1343.26	69.64	30.76	12.47	10.48	30.14	11.18	9.56
6/6/00 7:31	7.85	1343.94	82.00	1343.27	69.63	30.75	12.47	10.47	30.14	11.20	9.56
6/6/00 7:32	7.87	1343.93	81.99	1343.28	69.63	30.77	12.47	10.47	30.14	11.23	9.57
6/6/00 7:34	7.90	1343.94	81.99	1343.28	69.63	30.80	12.47	10.47	30.14	11.25	9.57
6/6/00 7:35	7.92	1343.94	81.98	1343.28	69.62	30.91	12.47	10.48	30.15	11.23	9.57

6/6/00 7:36	7.93	1343.95	81.98	1343.32	69.62	30.94	12.46	10.47	30.15	11.18	9.56
6/6/00 7:37	7.95	1343.95	81.98	1343.33	69.63	30.90	12.47	10.48	30.15	11.19	9.57
6/6/00 7:38	7.97	1343.95	81.98	1343.33	69.63	30.91	12.47	10.48	30.15	11.20	9.57
6/6/00 7:40	8.00	1343.95	81.98	1343.33	69.63	30.91	12.47	10.48	30.15	11.20	9.57
6/6/00 7:41	8.02	1343.95	81.98	1343.31	69.64	30.94	12.47	10.48	30.14	11.16	9.56
6/6/00 7:42	8.03	1343.96	81.98	1343.32	69.64	30.94	12.47	10.47	30.14	11.15	9.55
6/6/00 7:43	8.05	1343.97	81.98	1343.35	69.63	30.88	12.47	10.47	30.14	11.15	9.56
6/6/00 7:44	8.07	1343.97	81.98	1343.34	69.62	30.94	12.47	10.48	30.14	11.16	9.57
6/6/00 7:46	8.10	1343.96	81.97	1343.31	69.62	30.96	12.47	10.48	30.15	11.15	9.56
6/6/00 7:47	8.12	1343.96	81.96	1343.32	69.61	30.96	12.47	10.48	30.14	11.15	9.56
6/6/00 7:48	8.13	1343.95	81.94	1343.32	69.60	30.96	12.47	10.48	30.14	11.15	9.56
6/6/00 7:49	8.15	1343.96	81.93	1343.33	69.61	30.90	12.47	10.48	30.14	11.16	9.57
6/6/00 7:50	8.17	1343.96	81.91	1343.34	69.61	30.92	12.47	10.48	30.14	11.16	9.57
6/6/00 7:52	8.20	1343.98	81.90	1343.39	69.61	30.91	12.48	10.48	30.14	11.16	9.58
6/6/00 7:53	8.22	1343.97	81.91	1343.38	69.61	30.92	12.47	10.48	30.14	11.15	9.56
6/6/00 7:54	8.23	1343.98	81.91	1343.37	69.62	30.88	12.47	10.48	30.14	11.18	9.57
6/6/00 7:55	8.25	1343.98	81.92	1343.37	69.62	30.84	12.47	10.48	30.14	11.22	9.57
6/6/00 7:56	8.27	1343.97	81.92	1343.35	69.62	30.83	12.47	10.48	30.12	11.24	9.58
6/6/00 7:58	8.30	1343.98	81.92	1343.36	69.62	30.80	12.47	10.48	30.14	11.25	9.58
6/6/00 7:59	8.32	1343.97	81.91	1343.37	69.62	30.77	12.47	10.48	30.15	11.26	9.58
6/6/00 8:00	8.33	1343.97	81.91	1343.38	69.62	30.73	12.47	10.48	30.12	11.25	9.59
6/6/00 8:01	8.35	1343.98	81.90	1343.38	69.62	30.77	12.47	10.48	30.12	11.26	9.59
6/6/00 8:02	8.37	1343.98	81.89	1343.39	69.63	30.80	12.48	10.49	30.12	11.23	9.58
6/6/00 8:04	8.40	1343.98	81.88	1343.37	69.63	30.84	12.47	10.48	30.12	11.21	9.57
6/6/00 8:05	8.42	1343.98	81.87	1343.37	69.63	30.80	12.47	10.48	30.12	11.22	9.58
6/6/00 8:06	8.43	1343.98	81.86	1343.39	69.63	30.79	12.48	10.49	30.12	11.22	9.58
6/6/00 8:07	8.45	1343.97	81.85	1343.39	69.63	30.83	12.48	10.48	30.12	11.21	9.58
6/6/00 8:08	8.47	1343.98	81.84	1343.38	69.62	30.81	12.47	10.48	30.12	11.21	9.57
6/6/00 8:10	8.50	1343.99	81.83	1343.38	69.62	30.83	12.48	10.48	30.12	11.18	9.58
6/6/00 8:11	8.52	1343.98	81.83	1343.37	69.61	30.84	12.48	10.48	30.12	11.16	9.57
6/6/00 8:12	8.53	1343.99	81.83	1343.38	69.61	30.88	12.47	10.48	30.12	11.16	9.57
6/6/00 8:13	8.55	1344.00	81.83	1343.38	69.61	30.95	12.48	10.48	30.11	11.16	9.56
6/6/00 8:14	8.57	1343.99	81.83	1343.37	69.61	30.99	12.48	10.48	30.12	11.16	9.56
6/6/00 8:16	8.60	1343.99	81.82	1343.40	69.62	31.02	12.48	10.48	30.12	11.16	9.56
6/6/00 8:17	8.62	1343.99	81.82	1343.41	69.62	31.01	12.48	10.47	30.11	11.15	9.56
6/6/00 8:18	8.63	1343.98	81.82	1343.41	69.62	30.99	12.48	10.48	30.11	11.15	9.56
6/6/00 8:19	8.65	1343.99	81.81	1343.40	69.63	30.98	12.48	10.48	30.11	11.16	9.57
6/6/00 8:20	8.67	1343.99	81.81	1343.41	69.64	30.94	12.47	10.48	30.11	11.19	9.57
6/6/00 8:22	8.70	1343.99	81.80	1343.40	69.64	30.92	12.48	10.48	30.11	11.22	9.58
6/6/00 8:23	8.72	1343.99	81.79	1343.41	69.65	30.88	12.48	10.48	30.11	11.27	9.58
6/6/00 8:24	8.73	1343.99	81.79	1343.41	69.65	30.84	12.48	10.48	30.10	11.26	9.58
6/6/00 8:25	8.75	1344.00	81.78	1343.41	69.65	30.83	12.48	10.48	30.08	11.26	9.58
6/6/00 8:26	8.77	1344.00	81.78	1343.41	69.65	30.84	12.48	10.47	30.08	11.21	9.58
6/6/00 8:28	8.80	1344.01	81.77	1343.41	69.64	30.80	12.48	10.48	30.07	11.21	9.57
6/6/00 8:29	8.82	1344.01	81.77	1343.41	69.64	30.81	12.48	10.48	30.07	11.19	9.58
6/6/00 8:30	8.83	1344.01	81.76	1343.40	69.63	30.81	12.48	10.47	30.07	11.15	9.56
6/6/00 8:31	8.85	1343.99	81.76	1343.41	69.63	30.85	12.48	10.48	30.07	11.16	9.57
6/6/00 8:32	8.87	1343.99	81.76	1343.42	69.62	30.85	12.48	10.47	30.06	11.16	9.57
6/6/00 8:34	8.90	1344.01	81.75	1343.43	69.62	30.87	12.48	10.47	30.06	11.16	9.57
6/6/00 8:35	8.92	1344.01	81.76	1343.43	69.61	30.87	12.48	10.47	30.06	11.16	9.57
6/6/00 8:36	8.93	1344.02	81.76	1343.43	69.61	30.88	12.48	10.48	30.06	11.16	9.57
6/6/00 8:37	8.95	1344.01	81.76	1343.42	69.61	30.88	12.49	10.47	30.04	11.16	9.57
6/6/00 8:38	8.97	1344.01	81.76	1343.40	69.62	30.88	12.48	10.47	30.04	11.16	9.57
6/6/00 8:40	9.00	1344.01	81.76	1343.39	69.62	30.88	12.48	10.47	30.04	11.16	9.57
6/6/00 8:41	9.02	1344.01	81.76	1343.37	69.63	30.88	12.48	10.46	30.04	11.15	9.57
6/6/00 8:42	9.03	1344.01	81.75	1343.36	69.63	30.90	12.48	10.46	30.03	11.16	9.57
6/6/00 8:43	9.05	1344.01	81.75	1343.34	69.63	30.91	12.48	10.46	30.03	11.15	9.57
6/6/00 8:44	9.07	1344.01	81.75	1343.36	69.63	30.94	12.47	10.46	30.03	11.15	9.57
6/6/00 8:46	9.10	1343.99	81.74	1343.37	69.62	30.92	12.48	10.45	30.03	11.15	9.56
6/6/00 8:47	9.12	1343.98	81.74	1343.36	69.62	30.91	12.48	10.45	30.03	11.15	9.57
6/6/00 8:48	9.13	1343.99	81.73	1343.34	69.62	30.95	12.48	10.46	30.04	11.15	9.57
6/6/00 8:49	9.15	1343.99	81.72	1343.32	69.62	30.91	12.49	10.46	30.07	11.15	9.57
6/6/00 8:50	9.17	1343.99	81.72	1343.35	69.61	30.94	12.49	10.46	30.08	11.15	9.57
6/6/00 8:52	9.20	1343.99	81.71	1343.34	69.61	30.94	12.49	10.46	30.08	11.15	9.57
6/6/00 8:53	9.22	1343.99	81.70	1343.36	69.61	30.92	12.49	10.46	30.08	11.16	9.58
6/6/00 8:54	9.23	1343.99	81.69	1343.38	69.60	30.92	12.49	10.46	30.08	11.15	9.57
6/6/00 8:55	9.25	1343.99	81.69	1343.38	69.59	30.90	12.49	10.45	30.04	11.16	9.58
6/6/00 8:56	9.27	1343.99	81.68	1343.38	69.58	30.88	12.49	10.45	30.04	11.15	9.57
6/6/00 8:58	9.30	1343.99	81.68	1343.37	69.57	30.88	12.49	10.45	30.03	11.15	9.57
6/6/00 8:59	9.32	1344.00	81.68	1343.38	69.56	30.88	12.49	10.45	30.03	11.15	9.57
6/6/00 9:00	9.33	1344.01	81.68	1343.42	69.57	30.87	12.49	10.45	30.03	11.16	9.57
6/6/00 9:01	9.35	1344.02	81.68	1343.45	69.58	30.87	12.48	10.44	30.03	11.15	9.57
6/6/00 9:02	9.37	1344.02	81.68	1343.43	69.59	30.85	12.49	10.44	30.01	11.15	9.57
6/6/00 9:04	9.40	1344.02	81.68	1343.41	69.60	30.88	12.49	10.44	30.01	11.15	9.57
6/6/00 9:05	9.42	1344.01	81.67	1343.40	69.61	30.83	12.49	10.45	30.03	11.15	9.58
6/6/00 9:06	9.43	1344.01	81.66	1343.39	69.62	30.84	12.49	10.45	30.03	11.16	9.58
6/6/00 9:07	9.45	1344.01	81.65	1343.39	69.62	30.83	12.49	10.45	30.03	11.16	9.58
6/6/00 9:08	9.47	1344.01	81.64	1343.37	69.62	30.81	12.49	10.45	30.01	11.16	9.58
6/6/00 9:10	9.50	1344.03	81.64	1343.38	69.62	30.80	12.49	10.45	30.01	11.16	9.58
6/6/00 9:11	9.52	1344.04	81.64	1343.39	69.62	30.79	12.49	10.44	30.01	11.16	9.58
6/6/00 9:12	9.53	1344.03	81.65	1343.39	69.62	30.79	12.49	10.44	30.01	11.16	9.58

6/6/00 9:13	9.55	1344.03	81.65	1343.40	69.62	30.79	12.49	10.44	30.00	11.16	9.58
6/6/00 9:14	9.57	1344.03	81.65	1343.41	69.61	30.79	12.49	10.44	30.00	11.16	9.58
6/6/00 9:16	9.60	1344.02	81.65	1343.41	69.61	30.80	12.49	10.45	30.01	11.16	9.58
6/6/00 9:17	9.62	1344.02	81.64	1343.41	69.61	30.79	12.50	10.45	30.01	11.16	9.58
6/6/00 9:18	9.63	1344.03	81.64	1343.40	69.61	30.80	12.50	10.45	30.00	11.16	9.58
6/6/00 9:19	9.65	1344.03	81.63	1343.42	69.61	30.81	12.49	10.44	30.03	11.16	9.58
6/6/00 9:20	9.67	1344.02	81.62	1343.43	69.61	30.81	12.49	10.44	30.04	11.16	9.58
6/6/00 9:22	9.70	1344.04	81.61	1343.42	69.61	30.81	12.49	10.44	30.04	11.16	9.58
6/6/00 9:23	9.72	1344.03	81.61	1343.42	69.61	30.83	12.49	10.43	30.04	11.15	9.57
6/6/00 9:24	9.73	1344.03	81.61	1343.43	69.61	30.83	12.49	10.44	30.03	11.15	9.57
6/6/00 9:25	9.75	1344.03	81.61	1343.43	69.62	30.80	12.49	10.43	30.03	11.15	9.57
6/6/00 9:26	9.77	1344.03	81.61	1343.43	69.63	30.80	12.48	10.42	30.03	11.15	9.57
6/6/00 9:28	9.80	1344.03	81.60	1343.43	69.63	30.77	12.48	10.42	30.00	11.15	9.56
6/6/00 9:29	9.82	1344.03	81.59	1343.43	69.64	30.75	12.48	10.43	29.99	11.15	9.57
6/6/00 9:30	9.83	1344.03	81.58	1343.42	69.65	30.75	12.48	10.42	29.99	11.15	9.56
6/6/00 9:31	9.85	1344.03	81.57	1343.42	69.65	30.73	12.48	10.42	29.99	11.15	9.57
6/6/00 9:32	9.87	1344.04	81.56	1343.41	69.65	30.75	12.48	10.42	29.97	11.15	9.57
6/6/00 9:34	9.90	1344.05	81.55	1343.41	69.65	30.77	12.48	10.42	30.00	11.15	9.57
6/6/00 9:35	9.92	1344.05	81.55	1343.41	69.65	30.79	12.49	10.42	30.01	11.15	9.57
6/6/00 9:36	9.93	1344.04	81.55	1343.40	69.64	30.79	12.49	10.42	30.01	11.15	9.57
6/6/00 9:37	9.95	1344.04	81.55	1343.40	69.63	30.79	12.49	10.42	30.01	11.15	9.57
6/6/00 9:38	9.97	1344.04	81.55	1343.44	69.62	30.79	12.49	10.42	30.01	11.15	9.57
6/6/00 9:40	10.00	1344.04	81.54	1343.43	69.61	30.77	12.49	10.43	30.03	11.16	9.57
6/6/00 9:41	10.02	1344.05	81.54	1343.42	69.60	30.77	12.49	10.42	30.01	11.16	9.57
6/6/00 9:42	10.03	1344.05	81.53	1343.44	69.60	30.76	12.49	10.42	30.01	11.16	9.57
6/6/00 9:43	10.05	1344.04	81.53	1343.45	69.60	30.76	12.49	10.42	30.03	11.16	9.57
6/6/00 9:44	10.07	1344.04	81.52	1343.45	69.60	30.73	12.49	10.42	30.03	11.16	9.57
6/6/00 9:46	10.10	1344.05	81.52	1343.44	69.60	30.76	12.49	10.43	30.03	11.16	9.57
6/6/00 9:47	10.12	1344.06	81.52	1343.45	69.61	30.77	12.50	10.43	30.03	11.16	9.57
6/6/00 9:48	10.13	1344.05	81.51	1343.44	69.61	30.77	12.50	10.43	30.03	11.16	9.57
6/6/00 9:49	10.15	1344.05	81.51	1343.46	69.61	30.76	12.49	10.42	30.03	11.16	9.57
6/6/00 9:50	10.17	1344.05	81.51	1343.45	69.62	30.76	12.49	10.42	30.03	11.16	9.57
6/6/00 9:52	10.20	1344.05	81.51	1343.45	69.62	30.75	12.49	10.42	30.03	11.16	9.57
6/6/00 9:53	10.22	1344.05	81.50	1343.43	69.63	30.75	12.49	10.42	30.01	11.16	9.57
6/6/00 9:54	10.23	1344.05	81.50	1343.42	69.63	30.73	12.49	10.41	30.01	11.16	9.57
6/6/00 9:55	10.25	1344.06	81.49	1343.40	69.62	30.73	12.49	10.41	30.01	11.16	9.57
6/6/00 9:56	10.27	1344.05	81.49	1343.41	69.62	30.75	12.49	10.41	30.03	11.16	9.57
6/6/00 9:58	10.30	1344.06	81.49	1343.44	69.62	30.72	12.49	10.41	30.01	11.16	9.57
6/6/00 9:59	10.32	1344.06	81.49	1343.45	69.62	30.73	12.49	10.42	30.01	11.16	9.57
6/6/00 10:00	10.33	1344.07	81.49	1343.43	69.61	30.73	12.49	10.41	30.01	11.16	9.56
6/6/00 10:01	10.35	1344.07	81.50	1343.43	69.60	30.73	12.49	10.40	30.01	11.15	9.56
6/6/00 10:02	10.37	1344.07	81.50	1343.43	69.59	30.72	12.49	10.41	30.00	11.15	9.56
6/6/00 10:04	10.40	1344.06	81.49	1343.44	69.58	30.70	12.48	10.40	30.00	11.16	9.56
6/6/00 10:05	10.42	1344.06	81.49	1343.46	69.57	30.69	12.49	10.41	30.01	11.16	9.56
6/6/00 10:06	10.43	1344.06	81.48	1343.46	69.57	30.68	12.49	10.41	30.00	11.16	9.56
6/6/00 10:07	10.45	1344.06	81.47	1343.47	69.58	30.70	12.49	10.40	30.00	11.15	9.55
6/6/00 10:08	10.47	1344.06	81.46	1343.48	69.58	30.70	12.49	10.40	30.00	11.15	9.56
6/6/00 10:10	10.50	1344.07	81.45	1343.46	69.59	30.72	12.50	10.42	30.01	11.16	9.56
6/6/00 10:11	10.52	1344.06	81.45	1343.48	69.60	30.72	12.50	10.42	30.01	11.16	9.56
6/6/00 10:12	10.53	1344.07	81.45	1343.43	69.60	30.72	12.50	10.42	30.03	11.16	9.57
6/6/00 10:13	10.55	1344.07	81.45	1343.38	69.60	30.72	12.51	10.42	30.03	11.16	9.57
6/6/00 10:14	10.57	1344.07	81.45	1343.42	69.60	30.70	12.51	10.41	30.01	11.16	9.57
6/6/00 10:16	10.60	1344.07	81.44	1343.46	69.60	30.69	12.50	10.41	30.01	11.16	9.57
6/6/00 10:17	10.62	1344.07	81.43	1343.47	69.59	30.69	12.50	10.41	30.01	11.16	9.57
6/6/00 10:18	10.63	1344.07	81.43	1343.43	69.59	30.68	12.50	10.41	30.01	11.17	9.57
6/6/00 10:19	10.65	1344.07	81.42	1343.45	69.59	30.66	12.50	10.41	30.00	11.17	9.57
6/6/00 10:20	10.67	1344.07	81.42	1343.46	69.59	30.66	12.50	10.40	30.00	11.17	9.57
6/6/00 10:22	10.70	1344.07	81.41	1343.47	69.59	30.65	12.49	10.40	30.00	11.17	9.56
6/6/00 10:23	10.72	1344.07	81.40	1343.48	69.60	30.64	12.50	10.41	30.00	11.18	9.57
6/6/00 10:24	10.73	1344.07	81.40	1343.48	69.59	30.64	12.49	10.40	30.01	11.19	9.57
6/6/00 10:25	10.75	1344.07	81.40	1343.47	69.59	30.64	12.50	10.41	30.01	11.20	9.57
6/6/00 10:26	10.77	1344.07	81.39	1343.47	69.59	30.62	12.50	10.41	30.01	11.21	9.57
6/6/00 10:28	10.80	1344.08	81.38	1343.46	69.59	30.62	12.49	10.41	30.01	11.21	9.57
6/6/00 10:29	10.82	1344.07	81.38	1343.45	69.59	30.61	12.50	10.41	30.01	11.22	9.57
6/6/00 10:30	10.83	1344.07	81.37	1343.48	69.58	30.59	12.50	10.40	30.01	11.22	9.57
6/6/00 10:31	10.85	1344.08	81.36	1343.48	69.58	30.59	12.50	10.41	30.01	11.23	9.57
6/6/00 10:32	10.87	1344.08	81.36	1343.47	69.58	30.59	12.50	10.41	30.01	11.23	9.56
6/6/00 10:34	10.90	1344.08	81.35	1343.48	69.58	30.58	12.50	10.41	30.01	11.23	9.56
6/6/00 10:35	10.92	1344.09	81.35	1343.50	69.57	30.58	12.50	10.41	30.01	11.23	9.56
6/6/00 10:36	10.93	1344.08	81.35	1343.48	69.57	30.58	12.50	10.41	30.01	11.23	9.56
6/6/00 10:37	10.95	1344.08	81.34	1343.48	69.58	30.58	12.50	10.41	30.01	11.22	9.56
6/6/00 10:38	10.97	1344.08	81.34	1343.49	69.58	30.58	12.50	10.41	30.03	11.21	9.56
6/6/00 10:40	11.00	1344.09	81.34	1343.49	69.59	30.58	12.50	10.40	30.03	11.21	9.56
6/6/00 10:41	11.02	1344.09	81.34	1343.49	69.59	30.58	12.50	10.41	30.03	11.20	9.56
6/6/00 10:42	11.03	1344.09	81.34	1343.48	69.60	30.59	12.50	10.41	30.03	11.20	9.56
6/6/00 10:43	11.05	1344.09	81.34	1343.48	69.59	30.59	12.50	10.40	30.04	11.20	9.56
6/6/00 10:44	11.07	1344.09	81.34	1343.48	69.59	30.59	12.50	10.41	30.04	11.19	9.56
6/6/00 10:46	11.10	1344.09	81.33	1343.47	69.59	30.59	12.50	10.40	30.04	11.19	9.56
6/6/00 10:47	11.12	1344.09	81.33	1343.47	69.59	30.59	12.50	10.40	30.04	11.20	9.56
6/6/00 10:48	11.13	1344.09	81.32	1343.48	69.59	30.59	12.50	10.40	30.04	11.20	9.56
6/6/00 10:49	11.15	1344.09	81.32	1343.48	69.59	30.59	12.50	10.40	30.04	11.19	9.56



6/6/00 10:50	11.17	1344.09	81.31	1343.49	69.59	30.59	12.50	10.40	30.06	11.20	9.56
6/6/00 10:52	11.20	1344.09	81.30	1343.48	69.59	30.58	12.50	10.41	30.04	11.21	9.56
6/6/00 10:53	11.22	1344.09	81.30	1343.47	69.59	30.58	12.50	10.40	30.04	11.23	9.56
6/6/00 10:54	11.23	1344.09	81.30	1343.47	69.58	30.57	12.50	10.40	30.06	11.24	9.56
6/6/00 10:55	11.25	1344.10	81.30	1343.48	69.58	30.57	12.51	10.40	30.04	11.25	9.56
6/6/00 10:56	11.27	1344.11	81.30	1343.47	69.57	30.55	12.51	10.41	30.04	11.26	9.56
6/6/00 10:58	11.30	1344.10	81.30	1343.46	69.57	30.57	12.51	10.41	30.06	11.25	9.56
6/6/00 10:59	11.32	1344.10	81.30	1343.49	69.56	30.55	12.51	10.41	30.06	11.24	9.56
6/6/00 11:00	11.33	1344.09	81.29	1343.49	69.55	30.57	12.51	10.40	30.06	11.23	9.56
6/6/00 11:01	11.35	1344.10	81.29	1343.49	69.55	30.55	12.51	10.41	30.06	11.22	9.56
6/6/00 11:02	11.37	1344.10	81.29	1343.48	69.55	30.55	12.51	10.40	30.06	11.21	9.56
6/6/00 11:04	11.40	1344.10	81.28	1343.48	69.55	30.55	12.51	10.41	30.06	11.21	9.56
6/6/00 11:05	11.42	1344.09	81.27	1343.49	69.55	30.55	12.51	10.41	30.06	11.21	9.56
6/6/00 11:06	11.43	1344.09	81.27	1343.49	69.55	30.55	12.51	10.41	30.06	11.22	9.56
6/6/00 11:07	11.45	1344.10	81.27	1343.49	69.56	30.55	12.51	10.41	30.06	11.22	9.56
6/6/00 11:08	11.47	1344.10	81.26	1343.48	69.56	30.55	12.51	10.40	30.06	11.22	9.56
6/6/00 11:10	11.50	1344.10	81.25	1343.50	69.56	30.55	12.51	10.41	30.07	11.23	9.56
6/6/00 11:11	11.52	1344.10	81.25	1343.48	69.56	30.54	12.51	10.41	30.06	11.23	9.56
6/6/00 11:12	11.53	1344.10	81.24	1343.51	69.57	30.54	12.51	10.41	30.07	11.23	9.56
6/6/00 11:13	11.55	1344.10	81.24	1343.51	69.57	30.54	12.51	10.41	30.06	11.23	9.56
6/6/00 11:14	11.57	1344.09	81.23	1343.50	69.57	30.53	12.51	10.41	30.06	11.24	9.56
6/6/00 11:16	11.60	1344.10	81.22	1343.50	69.58	30.53	12.51	10.41	30.07	11.24	9.56
6/6/00 11:17	11.62	1344.10	81.22	1343.52	69.58	30.53	12.51	10.41	30.07	11.25	9.56
6/6/00 11:18	11.63	1344.10	81.21	1343.50	69.58	30.51	12.51	10.41	30.07	11.25	9.56
6/6/00 11:19	11.65	1344.10	81.21	1343.48	69.57	30.51	12.51	10.41	30.07	11.25	9.56
6/6/00 11:20	11.67	1344.10	81.20	1343.50	69.57	30.50	12.51	10.41	30.07	11.26	9.56
6/6/00 11:22	11.70	1344.11	81.19	1343.47	69.56	30.50	12.51	10.41	30.07	11.26	9.56
6/6/00 11:23	11.72	1344.10	81.19	1343.46	69.56	30.50	12.51	10.41	30.08	11.27	9.56
6/6/00 11:24	11.73	1344.10	81.19	1343.51	69.55	30.50	12.51	10.41	30.07	11.27	9.56
6/6/00 11:25	11.75	1344.10	81.19	1343.48	69.55	30.48	12.51	10.41	30.08	11.27	9.56
6/6/00 11:26	11.77	1344.10	81.18	1343.50	69.55	30.48	12.51	10.42	30.07	11.28	9.56
6/6/00 11:28	11.80	1344.11	81.17	1343.51	69.55	30.48	12.51	10.41	30.08	11.28	9.56
6/6/00 11:29	11.82	1344.10	81.17	1343.54	69.55	30.48	12.51	10.41	30.08	11.28	9.56
6/6/00 11:30	11.83	1344.10	81.16	1343.48	69.55	30.48	12.51	10.41	30.08	11.28	9.56
6/6/00 11:31	11.85	1344.10	81.15	1343.49	69.55	30.47	12.51	10.41	30.08	11.28	9.56
6/6/00 11:32	11.87	1344.10	81.15	1343.51	69.56	30.47	12.51	10.42	30.08	11.30	9.56
6/6/00 11:34	11.90	1344.12	81.15	1343.53	69.56	30.47	12.51	10.41	30.08	11.31	9.56
6/6/00 11:35	11.92	1344.12	81.15	1343.51	69.56	30.47	12.51	10.41	30.08	11.27	9.56
6/6/00 11:36	11.93	1344.12	81.16	1343.50	69.56	30.47	12.51	10.41	30.08	11.27	9.56
6/6/00 11:37	11.95	1344.11	81.16	1343.49	69.56	30.47	12.51	10.41	30.08	11.26	9.56
6/6/00 11:38	11.97	1344.11	81.17	1343.50	69.55	30.47	12.51	10.41	30.08	11.25	9.55
6/6/00 11:40	12.00	1344.12	81.17	1343.49	69.55	30.47	12.51	10.41	30.08	11.25	9.55
6/6/00 11:41	12.02	1344.11	81.17	1343.50	69.54	30.47	12.51	10.41	30.08	11.24	9.55
6/6/00 11:42	12.03	1344.11	81.17	1343.50	69.55	30.47	12.51	10.41	30.08	11.24	9.55
6/6/00 11:43	12.05	1344.11	81.16	1343.50	69.55	30.47	12.51	10.41	30.07	11.24	9.55
6/6/00 11:44	12.07	1344.12	81.16	1343.54	69.56	30.47	12.51	10.40	30.06	11.24	9.55
6/6/00 11:46	12.10	1344.11	81.15	1343.53	69.56	30.46	12.51	10.41	30.06	11.24	9.55
6/6/00 11:47	12.12	1344.11	81.15	1343.51	69.57	30.46	12.51	10.41	30.06	11.25	9.55
6/6/00 11:48	12.13	1344.10	81.14	1343.52	69.57	30.44	12.51	10.41	30.06	11.25	9.56
6/6/00 11:49	12.15	1344.11	81.13	1343.51	69.58	30.44	12.51	10.41	30.06	11.25	9.55
6/6/00 11:50	12.17	1344.11	81.13	1343.51	69.58	30.46	12.51	10.41	30.07	11.25	9.55
6/6/00 11:52	12.20	1344.11	81.11	1343.50	69.59	30.46	12.51	10.41	30.08	11.25	9.55
6/6/00 11:53	12.22	1344.11	81.10	1343.49	69.59	30.47	12.51	10.41	30.08	11.25	9.55
6/6/00 11:54	12.23	1344.10	81.10	1343.50	69.59	30.47	12.51	10.41	30.08	11.24	9.55
6/6/00 11:55	12.25	1344.10	81.09	1343.49	69.59	30.47	12.51	10.41	30.08	11.24	9.55
6/6/00 11:56	12.27	1344.10	81.08	1343.50	69.59	30.47	12.51	10.41	30.10	11.24	9.55
6/6/00 11:58	12.30	1344.11	81.07	1343.50	69.58	30.47	12.51	10.41	30.10	11.24	9.55
6/6/00 11:59	12.32	1344.12	81.07	1343.50	69.58	30.47	12.51	10.41	30.10	11.23	9.55
6/6/00 12:00	12.33	1344.12	81.08	1343.50	69.58	30.48	12.51	10.41	30.10	11.23	9.55
6/6/00 12:01	12.35	1344.12	81.08	1343.50	69.57	30.47	12.51	10.41	30.10	11.22	9.55
6/6/00 12:02	12.37	1344.12	81.08	1343.51	69.57	30.47	12.51	10.41	30.10	11.22	9.55
6/6/00 12:04	12.40	1344.12	81.08	1343.49	69.57	30.48	12.51	10.40	30.10	11.21	9.55
6/6/00 12:05	12.42	1344.12	81.08	1343.50	69.57	30.48	12.50	10.40	30.11	11.21	9.55
6/6/00 12:06	12.43	1344.11	81.07	1343.49	69.57	30.50	12.50	10.40	30.10	11.21	9.55
6/6/00 12:07	12.45	1344.11	81.07	1343.50	69.58	30.50	12.50	10.40	30.11	11.20	9.55
6/6/00 12:08	12.47	1344.11	81.07	1343.52	69.58	30.50	12.50	10.41	30.11	11.20	9.55
6/6/00 12:10	12.50	1344.12	81.06	1343.51	69.59	30.50	12.50	10.41	30.11	11.20	9.55
6/6/00 12:11	12.52	1344.12	81.06	1343.51	69.60	30.50	12.50	10.40	30.11	11.20	9.55
6/6/00 12:12	12.53	1344.11	81.06	1343.49	69.60	30.50	12.50	10.40	30.11	11.20	9.55
6/6/00 12:13	12.55	1344.11	81.06	1343.48	69.59	30.51	12.50	10.40	30.11	11.20	9.55
6/6/00 12:14	12.57	1344.12	81.06	1343.48	69.58	30.51	12.50	10.40	30.11	11.20	9.55
6/6/00 12:16	12.60	1344.12	81.05	1343.48	69.57	30.51	12.50	10.40	30.11	11.20	9.55
6/6/00 12:17	12.62	1344.12	81.05	1343.50	69.56	30.51	12.50	10.40	30.11	11.20	9.55
6/6/00 12:18	12.63	1344.11	81.04	1343.52	69.56	30.51	12.50	10.40	30.12	11.20	9.55
6/6/00 12:19	12.65	1344.11	81.04	1343.51	69.57	30.50	12.50	10.40	30.12	11.20	9.55
6/6/00 12:20	12.67	1344.11	81.04	1343.51	69.57	30.50	12.49	10.40	30.11	11.20	9.54
6/6/00 12:22	12.70	1344.11	81.03	1343.52	69.58	30.50	12.49	10.40	30.11	11.19	9.54
6/6/00 12:23	12.72	1344.11	81.02	1343.50	69.58	30.50	12.50	10.40	30.12	11.19	9.54
6/6/00 12:24	12.73	1344.11	81.02	1343.50	69.58	30.50	12.49	10.40	30.12	11.19	9.54
6/6/00 12:25	12.75	1344.11	81.01	1343.51	69.58	30.50	12.49	10.40	30.12	11.19	9.54
6/6/00 12:26	12.77	1344.11	81.01	1343.51	69.57	30.50	12.49	10.40	30.12	11.18	9.54

6/6/00 12:28	12.80	1344.12	81.00	1343.50	69.57	30.50	12.49	10.40	30.12	11.19	9.54
6/6/00 12:29	12.82	1344.12	81.00	1343.51	69.56	30.50	12.49	10.40	30.12	11.19	9.54
6/6/00 12:30	12.83	1344.11	80.99	1343.50	69.55	30.50	12.49	10.40	30.12	11.18	9.54
6/6/00 12:31	12.85	1344.10	80.99	1343.49	69.54	30.50	12.49	10.40	30.12	11.18	9.54
6/6/00 12:32	12.87	1344.10	80.99	1343.47	69.54	30.50	12.50	10.40	30.14	11.19	9.55
6/6/00 12:34	12.90	1344.11	80.98	1343.49	69.53	30.50	12.50	10.40	30.14	11.19	9.55
6/6/00 12:35	12.92	1344.11	80.98	1343.50	69.53	30.50	12.49	10.40	30.14	11.18	9.54
6/6/00 12:36	12.93	1344.11	80.97	1343.51	69.53	30.51	12.49	10.40	30.14	11.18	9.54
6/6/00 12:37	12.95	1344.11	80.97	1343.53	69.54	30.50	12.50	10.40	30.14	11.18	9.55
6/6/00 12:38	12.97	1344.11	80.97	1343.52	69.55	30.50	12.49	10.40	30.14	11.18	9.55
6/6/00 12:40	13.00	1344.11	80.96	1343.53	69.56	30.50	12.49	10.40	30.14	11.18	9.54
6/6/00 12:41	13.02	1344.11	80.96	1343.52	69.57	30.50	12.50	10.40	30.12	11.18	9.55
6/6/00 12:42	13.03	1344.11	80.96	1343.50	69.58	30.50	12.50	10.40	30.14	11.18	9.55
6/6/00 12:43	13.05	1344.11	80.96	1343.50	69.58	30.51	12.50	10.41	30.14	11.18	9.55
6/6/00 12:44	13.07	1344.11	80.96	1343.50	69.57	30.51	12.49	10.40	30.14	11.18	9.55
6/6/00 12:46	13.10	1344.10	80.95	1343.51	69.57	30.50	12.49	10.41	30.12	11.18	9.55
6/6/00 12:47	13.12	1344.10	80.94	1343.50	69.56	30.50	12.49	10.40	30.12	11.18	9.55
6/6/00 12:48	13.13	1344.10	80.93	1343.51	69.56	30.50	12.50	10.41	30.12	11.18	9.55
6/6/00 12:49	13.15	1344.10	80.93	1343.51	69.57	30.50	12.50	10.41	30.11	11.18	9.55
6/6/00 12:50	13.17	1344.10	80.92	1343.49	69.58	30.48	12.49	10.41	30.11	11.18	9.55
6/6/00 12:52	13.20	1344.11	80.91	1343.49	69.58	30.48	12.49	10.41	30.11	11.18	9.55
6/6/00 12:53	13.22	1344.11	80.91	1343.50	69.59	30.50	12.49	10.41	30.14	11.18	9.55
6/6/00 12:54	13.23	1344.11	80.91	1343.49	69.59	30.51	12.49	10.41	30.14	11.18	9.55
6/6/00 12:55	13.25	1344.11	80.91	1343.49	69.59	30.51	12.49	10.41	30.15	11.18	9.55
6/6/00 12:56	13.27	1344.11	80.91	1343.50	69.59	30.51	12.49	10.41	30.15	11.18	9.55
6/6/00 12:58	13.30	1344.11	80.91	1343.49	69.58	30.51	12.49	10.41	30.15	11.18	9.55
6/6/00 12:59	13.32	1344.11	80.91	1343.47	69.58	30.51	12.50	10.41	30.15	11.18	9.55
6/6/00 13:00	13.33	1344.11	80.90	1343.50	69.58	30.51	12.49	10.41	30.15	11.17	9.55
6/6/00 13:01	13.35	1344.10	80.90	1343.49	69.58	30.53	12.49	10.41	30.17	11.17	9.55
6/6/00 13:02	13.37	1344.10	80.90	1343.50	69.58	30.53	12.49	10.41	30.17	11.17	9.55
6/6/00 13:04	13.40	1344.10	80.89	1343.52	69.58	30.54	12.49	10.41	30.17	11.17	9.55
6/6/00 13:05	13.42	1344.10	80.89	1343.53	69.58	30.54	12.49	10.41	30.17	11.17	9.55
6/6/00 13:06	13.43	1344.11	80.90	1343.49	69.57	30.54	12.49	10.42	30.17	11.17	9.55
6/6/00 13:07	13.45	1344.11	80.90	1343.47	69.57	30.54	12.49	10.41	30.18	11.17	9.55
6/6/00 13:08	13.47	1344.10	80.90	1343.48	69.56	30.54	12.49	10.41	30.18	11.17	9.55
6/6/00 13:10	13.50	1344.10	80.89	1343.49	69.55	30.54	12.49	10.41	30.18	11.16	9.55
6/6/00 13:11	13.52	1344.10	80.88	1343.49	69.55	30.54	12.50	10.42	30.18	11.16	9.55
6/6/00 13:12	13.53	1344.09	80.88	1343.48	69.54	30.54	12.50	10.42	30.18	11.16	9.55
6/6/00 13:13	13.55	1344.09	80.87	1343.47	69.53	30.55	12.50	10.42	30.19	11.16	9.55
6/6/00 13:14	13.57	1344.09	80.86	1343.46	69.52	30.55	12.50	10.42	30.19	11.16	9.55
6/6/00 13:16	13.60	1344.09	80.85	1343.51	69.52	30.55	12.50	10.42	30.19	11.16	9.55
6/6/00 13:17	13.62	1344.09	80.85	1343.49	69.51	30.55	12.50	10.42	30.19	11.16	9.55
6/6/00 13:18	13.63	1344.10	80.85	1343.49	69.52	30.54	12.50	10.42	30.19	11.16	9.55
6/6/00 13:19	13.65	1344.09	80.85	1343.50	69.53	30.55	12.50	10.42	30.18	11.16	9.55
6/6/00 13:20	13.67	1344.09	80.84	1343.52	69.54	30.55	12.50	10.42	30.18	11.16	9.55
6/6/00 13:22	13.70	1344.10	80.84	1343.50	69.55	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:23	13.72	1344.09	80.84	1343.47	69.57	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:24	13.73	1344.09	80.83	1343.49	69.58	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:25	13.75	1344.09	80.83	1343.48	69.57	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:26	13.77	1344.09	80.83	1343.48	69.57	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:28	13.80	1344.09	80.82	1343.47	69.57	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:29	13.82	1344.09	80.82	1343.49	69.57	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:30	13.83	1344.09	80.82	1343.49	69.57	30.55	12.50	10.42	30.17	11.16	9.56
6/6/00 13:31	13.85	1344.09	80.82	1343.49	69.57	30.54	12.50	10.43	30.17	11.16	9.56
6/6/00 13:32	13.87	1344.09	80.82	1343.49	69.57	30.55	12.50	10.42	30.17	11.16	9.56
6/6/00 13:34	13.90	1344.09	80.81	1343.49	69.57	30.54	12.50	10.42	30.17	11.16	9.56
6/6/00 13:35	13.92	1344.09	80.81	1343.48	69.57	30.54	12.51	10.43	30.17	11.16	9.56
6/6/00 13:36	13.93	1344.08	80.81	1343.46	69.57	30.54	12.50	10.43	30.17	11.16	9.56
6/6/00 13:37	13.95	1344.09	80.81	1343.48	69.56	30.54	12.50	10.43	30.17	11.16	9.56
6/6/00 13:38	13.97	1344.09	80.80	1343.49	69.56	30.54	12.50	10.43	30.17	11.16	9.56
6/6/00 13:40	14.00	1344.09	80.80	1343.48	69.56	30.54	12.51	10.43	30.17	11.16	9.56
6/6/00 13:41	14.02	1344.09	80.80	1343.48	69.56	30.54	12.50	10.43	30.17	11.16	9.56
6/6/00 13:42	14.03	1344.09	80.81	1343.47	69.56	30.55	12.50	10.43	30.17	11.16	9.56
6/6/00 13:43	14.05	1344.08	80.81	1343.46	69.55	30.54	12.51	10.44	30.17	11.16	9.56
6/6/00 13:44	14.07	1344.08	80.81	1343.47	69.55	30.55	12.51	10.43	30.17	11.16	9.56
6/6/00 13:46	14.10	1344.08	80.80	1343.47	69.54	30.55	12.50	10.44	30.18	11.16	9.56
6/6/00 13:47	14.12	1344.08	80.80	1343.48	69.54	30.55	12.51	10.44	30.18	11.16	9.57
6/6/00 13:48	14.13	1344.07	80.79	1343.46	69.53	30.55	12.51	10.44	30.18	11.16	9.57
6/6/00 13:49	14.15	1344.07	80.78	1343.48	69.53	30.55	12.51	10.44	30.18	11.16	9.57
6/6/00 13:50	14.17	1344.07	80.77	1343.48	69.53	30.55	12.51	10.44	30.18	11.16	9.57
6/6/00 13:52	14.20	1344.07	80.76	1343.48	69.53	30.55	12.51	10.44	30.18	11.16	9.57
6/6/00 13:53	14.22	1344.07	80.75	1343.48	69.53	30.55	12.51	10.44	30.18	11.16	9.57
6/6/00 13:54	14.23	1344.08	80.75	1343.45	69.52	30.55	12.51	10.44	30.18	11.16	9.57
6/6/00 13:55	14.25	1344.08	80.75	1343.46	69.51	30.51	12.51	10.44	30.11	11.16	9.57
6/6/00 13:56	14.27	1344.07	80.74	1343.46	69.51	30.51	12.51	10.44	30.10	11.16	9.57
6/6/00 13:58	14.30	1344.07	80.74	1343.46	69.50	30.51	12.51	10.44	30.08	11.16	9.57
6/6/00 13:59	14.32	1344.07	80.73	1343.45	69.49	30.50	12.51	10.44	30.04	11.16	9.57
6/6/00 14:00	14.33	1344.06	80.72	1343.45	69.49	30.50	12.51	10.44	30.01	11.16	9.57
6/6/00 14:01	14.35	1344.06	80.72	1343.49	69.50	30.50	12.51	10.44	29.99	11.16	9.57
6/6/00 14:02	14.37	1344.06	80.71	1343.50	69.51	30.46	12.51	10.44	29.97	11.16	9.57
6/6/00 14:04	14.40	1344.06	80.71	1343.49	69.51	30.51	12.51	10.44	29.97	11.16	9.57

6/6/00 14:05	14.42	1344.06	80.71	1343.48	69.52	30.53	12.51	10.44	29.96	11.16	9.57
6/6/00 14:06	14.43	1344.07	80.71	1343.44	69.52	30.42	12.51	10.45	29.96	11.16	9.57
6/6/00 14:07	14.45	1344.07	80.71	1343.43	69.52	30.50	12.51	10.45	29.95	11.16	9.57
6/6/00 14:08	14.47	1344.07	80.71	1343.43	69.51	35.83	12.51	10.45	29.96	11.16	9.58
6/6/00 14:10	14.50	1344.07	80.70	1343.44	69.51	35.04	12.51	10.44	29.96	11.16	9.58
6/6/00 14:11	14.52	1344.07	80.70	1343.45	69.50	40.84	12.52	10.45	29.99	11.16	9.58
6/6/00 14:12	14.53	1344.06	80.70	1343.46	69.50	40.40	12.51	10.45	29.99	11.16	9.58
6/6/00 14:13	14.55	1344.06	80.69	1343.44	69.51	41.48	12.51	10.45	29.96	11.16	9.58
6/6/00 14:14	14.57	1344.05	80.69	1343.43	69.51	44.06	12.52	10.45	29.97	11.16	9.58
6/6/00 14:16	14.60	1344.05	80.68	1343.41	69.51	48.19	12.51	10.45	29.99	11.16	9.58
6/6/00 14:17	14.62	1344.04	80.68	1343.42	69.52	51.09	12.52	10.45	30.00	11.16	9.58
6/6/00 14:18	14.63	1344.04	80.67	1343.43	69.52	50.98	12.51	10.45	30.00	11.16	9.58
6/6/00 14:19	14.65	1344.04	80.66	1343.42	69.52	52.49	12.53	10.40	30.00	11.16	9.58
6/6/00 14:20	14.67	1344.04	80.66	1343.42	69.53	52.90	12.52	10.49	30.01	11.16	9.58
6/6/00 14:22	14.70	1344.04	80.65	1343.43	69.53	51.90	12.53	10.41	30.01	11.16	9.58
6/6/00 14:23	14.72	1344.04	80.66	1343.43	69.53	54.04	12.54	10.48	30.01	11.16	9.58
6/6/00 14:24	14.73	1344.04	80.66	1343.42	69.53	55.29	12.51	10.49	30.03	11.16	9.58
6/6/00 14:25	14.75	1344.04	80.66	1343.39	69.54	56.47	12.52	10.53	30.03	11.16	9.58
6/6/00 14:26	14.77	1344.04	80.66	1343.39	69.54	54.99	12.54	10.37	30.03	11.16	9.58
6/6/00 14:28	14.80	1344.04	80.66	1343.39	69.54	55.89	12.54	10.37	30.03	11.16	9.58
6/6/00 14:29	14.82	1344.04	80.66	1343.39	69.54	56.15	12.53	10.42	30.04	11.16	9.58
6/6/00 14:30	14.83	1344.04	80.66	1343.39	69.54	56.47	12.55	10.34	30.04	11.16	9.58
6/6/00 14:31	14.85	1344.04	80.66	1343.41	69.54	55.85	12.51	10.53	30.04	11.16	9.58
6/6/00 14:32	14.87	1344.04	80.65	1343.41	69.53	55.21	12.54	10.34	30.04	11.16	9.59
6/6/00 14:34	14.90	1344.03	80.64	1343.35	69.53	55.04	12.51	10.42	30.04	11.16	9.59
6/6/00 14:35	14.92	1344.02	80.64	1343.39	69.52	55.10	12.55	10.41	30.04	11.16	9.59
6/6/00 14:36	14.93	1344.02	80.63	1343.38	69.52	54.42	12.51	10.42	30.04	11.16	9.59
6/6/00 14:37	14.95	1344.02	80.62	1343.37	69.52	55.60	12.54	10.44	30.06	11.16	9.59
6/6/00 14:38	14.97	1344.03	80.62	1343.36	69.52	56.50	12.52	10.51	30.06	11.16	9.59
6/6/00 14:40	15.00	1344.02	80.61	1343.36	69.52	55.49	12.50	10.56	30.06	11.16	9.59
6/6/00 14:41	15.02	1344.02	80.60	1343.37	69.52	55.85	12.49	10.51	30.06	11.16	9.59
6/6/00 14:42	15.03	1344.02	80.60	1343.39	69.52	54.66	12.49	10.55	30.06	11.16	9.59
6/6/00 14:43	15.05	1344.02	80.60	1343.38	69.52	54.85	12.51	10.51	30.06	11.16	9.59
6/6/00 14:44	15.07	1344.02	80.60	1343.40	69.52	55.26	12.51	10.57	30.06	11.16	9.59
6/6/00 14:46	15.10	1344.02	80.59	1343.39	69.52	55.07	12.52	10.42	30.06	11.16	9.59
6/6/00 14:47	15.12	1344.02	80.59	1343.37	69.52	55.49	12.53	10.46	30.06	11.16	9.59
6/6/00 14:48	15.13	1344.02	80.59	1343.41	69.52	55.70	12.50	10.54	30.06	11.16	9.59
6/6/00 14:49	15.15	1344.02	80.59	1343.41	69.52	55.32	12.55	10.36	30.06	11.16	9.59
6/6/00 14:50	15.17	1344.01	80.59	1343.42	69.52	54.45	12.50	10.53	30.06	11.16	9.59
6/6/00 14:52	15.20	1344.02	80.59	1343.43	69.52	55.27	12.51	10.57	30.06	11.16	9.59
6/6/00 14:53	15.22	1344.01	80.59	1343.42	69.52	55.52	12.49	10.55	30.06	11.16	9.59
6/6/00 14:54	15.23	1344.02	80.59	1343.44	69.52	55.10	12.54	10.46	30.06	11.16	9.60
6/6/00 14:55	15.25	1344.03	80.59	1343.42	69.52	55.49	12.52	10.46	30.06	11.16	9.60
6/6/00 14:56	15.27	1344.03	80.59	1343.42	69.52	56.48	12.54	10.44	30.06	11.16	9.60
6/6/00 14:58	15.30	1344.03	80.58	1343.42	69.52	55.75	12.56	10.41	30.07	11.16	9.60
6/6/00 14:59	15.32	1344.03	80.57	1343.38	69.52	55.25	12.54	10.42	30.07	11.16	9.60
6/6/00 15:00	15.33	1344.02	80.57	1343.37	69.52	54.15	12.52	10.52	30.07	11.16	9.60
6/6/00 15:01	15.35	1344.02	80.57	1343.35	69.52	55.00	12.51	10.52	30.07	11.16	9.60
6/6/00 15:02	15.37	1344.03	80.56	1343.36	69.53	55.86	12.55	10.40	30.06	11.16	9.60
6/6/00 15:04	15.40	1344.02	80.55	1343.36	69.53	55.12	12.55	10.40	30.07	11.16	9.60
6/6/00 15:05	15.42	1344.01	80.55	1343.36	69.53	54.34	12.52	10.55	30.06	11.16	9.60
6/6/00 15:06	15.43	1344.01	80.54	1343.37	69.53	55.26	12.54	10.40	30.07	11.16	9.60
6/6/00 15:07	15.45	1344.01	80.54	1343.37	69.53	54.89	12.55	10.46	30.06	11.17	9.60
6/6/00 15:08	15.47	1344.00	80.53	1343.37	69.53	55.75	12.53	10.52	30.06	11.17	9.60
6/6/00 15:10	15.50	1344.00	80.52	1343.36	69.53	55.92	12.56	10.44	30.06	11.16	9.60
6/6/00 15:11	15.52	1344.00	80.52	1343.35	69.53	55.12	12.53	10.55	30.06	11.17	9.60
6/6/00 15:12	15.53	1344.00	80.52	1343.36	69.52	55.43	12.52	10.49	30.06	11.17	9.60
6/6/00 15:13	15.55	1344.00	80.52	1343.36	69.52	55.48	12.54	10.46	30.06	11.17	9.60
6/6/00 15:14	15.57	1344.00	80.51	1343.36	69.52	54.97	12.53	10.47	30.07	11.17	9.60
6/6/00 15:16	15.60	1344.00	80.51	1343.36	69.52	55.74	12.52	10.55	30.07	11.17	9.60
6/6/00 15:17	15.62	1343.99	80.51	1343.36	69.52	54.79	12.51	10.57	30.07	11.17	9.60
6/6/00 15:18	15.63	1344.00	80.50	1343.36	69.51	55.21	12.54	10.51	30.07	11.17	9.60
6/6/00 15:19	15.65	1344.00	80.50	1343.36	69.52	54.64	12.52	10.45	30.06	11.17	9.60
6/6/00 15:20	15.67	1343.99	80.50	1343.36	69.52	55.03	12.52	10.57	30.07	11.17	9.60
6/6/00 15:22	15.70	1343.99	80.50	1343.37	69.52	55.55	12.56	10.40	30.07	11.17	9.60
6/6/00 15:23	15.72	1343.99	80.49	1343.35	69.52	54.52	12.52	10.54	30.07	11.17	9.60
6/6/00 15:24	15.73	1343.99	80.49	1343.35	69.52	55.30	12.54	10.48	30.07	11.17	9.60
6/6/00 15:25	15.75	1343.98	80.49	1343.35	69.52	56.06	12.57	10.42	30.07	11.17	9.60
6/6/00 15:26	15.77	1343.98	80.48	1343.36	69.52	55.08	12.54	10.49	30.07	11.17	9.60
6/6/00 15:28	15.80	1343.98	80.47	1343.36	69.52	54.42	12.54	10.55	30.07	11.17	9.60
6/6/00 15:29	15.82	1343.98	80.47	1343.36	69.52	54.71	12.54	10.49	30.07	11.17	9.60
6/6/00 15:30	15.83	1343.98	80.47	1343.34	69.52	54.75	12.51	10.57	30.07	11.17	9.61
6/6/00 15:31	15.85	1343.98	80.46	1343.34	69.52	54.97	12.56	10.47	30.07	11.17	9.61
6/6/00 15:32	15.87	1343.99	80.46	1343.32	69.52	55.16	12.56	10.41	30.07	11.17	9.61
6/6/00 15:34	15.90	1343.99	80.45	1343.30	69.52	55.56	12.52	10.48	30.07	11.17	9.61
6/6/00 15:35	15.92	1343.99	80.45	1343.33	69.52	53.64	12.53	10.55	30.07	11.17	9.61
6/6/00 15:36	15.93	1343.98	80.46	1343.34	69.52	55.56	12.57	10.41	30.07	11.17	9.61
6/6/00 15:37	15.95	1343.98	80.46	1343.34	69.52	55.51	12.54	10.48	30.06	11.17	9.61
6/6/00 15:38	15.97	1343.98	80.46	1343.34	69.52	53.78	12.53	10.55	30.07	11.17	9.61
6/6/00 15:40	16.00	1343.97	80.45	1343.37	69.53	55.37	12.57	10.40	30.07	11.17	9.61
6/6/00 15:41	16.02	1343.97	80.45	1343.37	69.53	54.48	12.53	10.46	30.07	11.17	9.61

6/6/00 15:42	16.03	1343.97	80.44	1343.37	69.53	54.77	12.55	10.48	30.06	11.17	9.61
6/6/00 15:43	16.05	1343.97	80.44	1343.37	69.52	54.99	12.54	10.45	30.07	11.17	9.61
6/6/00 15:44	16.07	1343.98	80.43	1343.38	69.52	55.89	12.58	10.40	30.06	11.17	9.61
6/6/00 15:46	16.10	1343.98	80.43	1343.37	69.52	53.82	12.54	10.53	30.06	11.17	9.61
6/6/00 15:47	16.12	1343.99	80.43	1343.38	69.52	55.10	12.57	10.38	30.06	11.17	9.61
6/6/00 15:48	16.13	1343.99	80.43	1343.39	69.51	54.45	12.58	10.44	30.06	11.17	9.61
6/6/00 15:49	16.15	1344.00	80.42	1343.39	69.51	55.10	12.54	10.52	30.06	11.17	9.61
6/6/00 15:50	16.17	1344.00	80.42	1343.38	69.51	54.92	12.56	10.41	30.06	11.17	9.61
6/6/00 15:52	16.20	1343.99	80.42	1343.37	69.51	54.97	12.53	10.57	30.06	11.17	9.61
6/6/00 15:53	16.22	1343.99	80.42	1343.38	69.51	54.82	12.54	10.47	30.06	11.17	9.61
6/6/00 15:54	16.23	1343.99	80.42	1343.37	69.51	54.53	12.53	10.54	30.06	11.17	9.61
6/6/00 15:55	16.25	1343.99	80.42	1343.35	69.52	55.77	12.58	10.41	30.06	11.17	9.61
6/6/00 15:56	16.27	1343.99	80.42	1343.33	69.52	54.64	12.54	10.58	30.06	11.17	9.61
6/6/00 15:58	16.30	1343.98	80.41	1343.34	69.52	55.23	12.56	10.41	30.06	11.17	9.61
6/6/00 15:59	16.32	1343.98	80.41	1343.34	69.52	54.23	12.55	10.52	30.06	11.17	9.61
6/6/00 16:00	16.33	1343.97	80.40	1343.34	69.53	55.23	12.56	10.42	30.06	11.17	9.61
6/6/00 16:01	16.35	1343.97	80.39	1343.33	69.53	53.89	12.56	10.40	30.06	11.17	9.61
6/6/00 16:02	16.37	1343.96	80.38	1343.35	69.54	54.70	12.56	10.42	30.06	11.17	9.61
6/6/00 16:04	16.40	1343.96	80.37	1343.37	69.54	55.26	12.58	10.42	30.06	11.17	9.61
6/6/00 16:05	16.42	1343.96	80.37	1343.37	69.54	54.52	12.56	10.44	30.06	11.17	9.61
6/6/00 16:06	16.43	1343.96	80.37	1343.37	69.54	54.35	12.58	10.39	30.04	11.17	9.61
6/6/00 16:07	16.45	1343.96	80.37	1343.36	69.54	55.78	12.58	10.42	30.04	11.17	9.61
6/6/00 16:08	16.47	1343.96	80.37	1343.37	69.53	54.67	12.56	10.46	30.04	11.17	9.61
6/6/00 16:10	16.50	1343.97	80.36	1343.37	69.53	55.19	12.55	10.52	30.04	11.17	9.61
6/6/00 16:11	16.52	1343.98	80.36	1343.36	69.52	54.78	12.58	10.46	30.04	11.17	9.61
6/6/00 16:12	16.53	1343.98	80.35	1343.36	69.52	55.75	12.53	10.52	30.04	11.17	9.61
6/6/00 16:13	16.55	1343.98	80.35	1343.38	69.51	55.49	12.54	10.50	30.04	11.17	9.61
6/6/00 16:14	16.57	1343.97	80.35	1343.39	69.51	56.15	12.54	10.52	30.04	11.17	9.61
6/6/00 16:16	16.60	1343.98	80.34	1343.39	69.51	55.30	12.54	10.51	30.06	11.17	9.61
6/6/00 16:17	16.62	1343.98	80.34	1343.39	69.50	57.06	12.58	10.43	30.06	11.17	9.61
6/6/00 16:18	16.63	1343.97	80.33	1343.40	69.50	57.39	12.56	10.43	30.06	11.17	9.61
6/6/00 16:19	16.65	1343.97	80.33	1343.38	69.51	56.21	12.55	10.48	30.04	11.17	9.61
6/6/00 16:20	16.67	1343.97	80.33	1343.38	69.51	56.63	12.56	10.47	30.04	11.17	9.61
6/6/00 16:22	16.70	1343.97	80.32	1343.39	69.51	57.05	12.56	10.47	30.04	11.17	9.61
6/6/00 16:23	16.72	1343.97	80.32	1343.40	69.52	56.32	12.55	10.50	30.04	11.17	9.61
6/6/00 16:24	16.73	1343.97	80.32	1343.39	69.52	57.62	12.56	10.43	30.04	11.17	9.61
6/6/00 16:25	16.75	1343.98	80.31	1343.38	69.52	56.52	12.55	10.52	30.04	11.17	9.61
6/6/00 16:26	16.77	1343.97	80.31	1343.37	69.51	57.83	12.58	10.46	30.04	11.17	9.61
6/6/00 16:28	16.80	1343.97	80.31	1343.35	69.51	57.10	12.56	10.44	30.04	11.17	9.61
6/6/00 16:29	16.82	1343.97	80.31	1343.35	69.51	55.91	12.54	10.48	30.04	11.17	9.60
6/6/00 16:30	16.83	1343.97	80.30	1343.38	69.51	56.21	12.55	10.50	30.04	11.17	9.60
6/6/00 16:31	16.85	1343.97	80.30	1343.39	69.51	60.59	12.55	10.48	30.04	11.17	9.60
6/6/00 16:32	16.87	1343.97	80.30	1343.39	69.51	59.71	12.56	10.50	30.04	11.17	9.60
6/6/00 16:34	16.90	1343.97	80.30	1343.37	69.52	57.68	12.55	10.43	30.04	11.17	9.60
6/6/00 16:35	16.92	1343.97	80.30	1343.36	69.52	58.31	12.54	10.48	30.04	11.17	9.60
6/6/00 16:36	16.93	1343.97	80.30	1343.37	69.52	58.16	12.58	10.47	30.04	11.17	9.60
6/6/00 16:37	16.95	1343.96	80.30	1343.39	69.51	57.94	12.58	10.45	30.04	11.17	9.60
6/6/00 16:38	16.97	1343.96	80.30	1343.38	69.51	58.67	12.54	10.44	30.04	11.17	9.60
6/6/00 16:40	17.00	1343.96	80.29	1343.38	69.51	59.67	12.56	10.46	30.03	11.17	9.60
6/6/00 16:41	17.02	1343.96	80.28	1343.38	69.51	58.67	12.55	10.44	30.03	11.17	9.60
6/6/00 16:42	17.03	1343.96	80.28	1343.37	69.50	56.84	12.59	10.48	30.03	11.18	9.60
6/6/00 16:43	17.05	1343.95	80.27	1343.38	69.50	59.42	12.58	10.51	30.03	11.18	9.60
6/6/00 16:44	17.07	1343.95	80.26	1343.36	69.50	57.03	12.55	10.42	30.03	11.18	9.60
6/6/00 16:46	17.10	1343.96	80.25	1343.37	69.50	58.06	12.54	10.44	30.03	11.18	9.60
6/6/00 16:47	17.12	1343.96	80.25	1343.39	69.50	59.04	12.59	10.49	30.03	11.17	9.60
6/6/00 16:48	17.13	1343.96	80.25	1343.38	69.49	56.91	12.59	10.46	30.03	11.17	9.60
6/6/00 16:49	17.15	1343.96	80.25	1343.38	69.49	59.35	12.56	10.48	30.03	11.17	9.60
6/6/00 16:50	17.17	1343.96	80.24	1343.36	69.49	57.99	12.58	10.48	30.03	11.17	9.60
6/6/00 16:52	17.20	1343.96	80.24	1343.36	69.48	58.65	12.53	10.44	30.01	11.17	9.60
6/6/00 16:53	17.22	1343.96	80.24	1343.36	69.48	59.09	12.58	10.48	30.01	11.17	9.60
6/6/00 16:54	17.23	1343.96	80.24	1343.35	69.48	57.35	12.57	10.44	30.03	11.17	9.60
6/6/00 16:55	17.25	1343.96	80.23	1343.37	69.48	60.08	12.58	10.48	30.01	11.17	9.60
6/6/00 16:56	17.27	1343.95	80.23	1343.38	69.48	35.60	12.59	10.46	29.93	11.17	9.60
6/6/00 16:58	17.30	1343.96	80.22	1343.40	69.48	29.87	12.56	10.45	29.81	11.17	9.60
6/6/00 16:59	17.32	1343.95	80.22	1343.40	69.48	52.95	12.54	10.46	29.92	11.17	9.60
6/6/00 17:00	17.33	1343.94	80.21	1343.38	69.49	55.41	12.54	10.46	29.97	11.17	9.60
6/6/00 17:01	17.35	1343.95	80.20	1343.40	69.50	57.02	12.54	10.47	29.99	11.17	9.60
6/6/00 17:02	17.37	1343.95	80.19	1343.40	69.50	55.34	12.60	10.48	29.99	11.17	9.59
6/6/00 17:04	17.40	1343.93	80.19	1343.36	69.51	58.60	12.54	10.44	30.00	11.17	9.60
6/6/00 17:05	17.42	1343.95	80.19	1343.38	69.52	59.09	12.60	10.48	30.00	11.17	9.59
6/6/00 17:06	17.43	1343.96	80.19	1343.36	69.52	57.69	12.55	10.42	30.00	11.17	9.59
6/6/00 17:07	17.45	1343.96	80.19	1343.37	69.52	58.98	12.53	10.42	29.99	11.17	9.59
6/6/00 17:08	17.47	1343.96	80.19	1343.37	69.52	57.88	12.56	10.41	30.00	11.17	9.59
6/6/00 17:10	17.50	1343.95	80.19	1343.36	69.52	58.75	12.58	10.43	30.00	11.17	9.59
6/6/00 17:11	17.52	1343.95	80.18	1343.36	69.52	59.97	12.55	10.46	30.00	11.17	9.59
6/6/00 17:12	17.53	1343.95	80.18	1343.36	69.51	58.56	12.54	10.42	30.00	11.17	9.59
6/6/00 17:13	17.55	1343.95	80.17	1343.36	69.51	60.85	12.58	10.48	29.99	11.17	9.59
6/6/00 17:14	17.57	1343.94	80.17	1343.35	69.50	59.93	12.55	10.45	29.99	11.17	9.59
6/6/00 17:16	17.60	1343.95	80.16	1343.36	69.50	59.70	12.56	10.48	29.99	11.17	9.59
6/6/00 17:17	17.62	1343.95	80.16	1343.38	69.49	59.72	12.58	10.48	29.99	11.17	9.59
6/6/00 17:18	17.63	1343.94	80.15	1343.36	69.49	57.65	12.60	10.46	29.99	11.17	9.59

6/6/00 17:19	17.65	1343.94	80.15	1343.36	69.49	57.95	12.54	10.41	29.99	11.17	9.59
6/6/00 17:20	17.67	1343.94	80.15	1343.37	69.48	59.60	12.58	10.46	29.99	11.17	9.59
6/6/00 17:22	17.70	1343.95	80.15	1343.37	69.48	59.06	12.60	10.47	29.99	11.17	9.59
6/6/00 17:23	17.72	1343.95	80.14	1343.36	69.48	59.63	12.58	10.48	29.99	11.17	9.59
6/6/00 17:24	17.73	1343.94	80.14	1343.39	69.48	57.99	12.58	10.44	29.99	11.17	9.58
6/6/00 17:25	17.75	1343.94	80.14	1343.39	69.48	58.17	12.59	10.45	29.99	11.17	9.58
6/6/00 17:26	17.77	1343.94	80.14	1343.34	69.48	57.88	12.54	10.40	29.99	11.17	9.58
6/6/00 17:28	17.80	1343.94	80.13	1343.38	69.49	60.14	12.58	10.47	29.99	11.17	9.58
6/6/00 17:29	17.82	1343.94	80.13	1343.38	69.49	58.02	12.54	10.40	29.97	11.17	9.58
6/6/00 17:30	17.83	1343.94	80.13	1343.38	69.49	59.01	12.54	10.43	29.97	11.17	9.58
6/6/00 17:31	17.85	1343.94	80.13	1343.39	69.49	59.74	12.59	10.47	29.97	11.17	9.58
6/6/00 17:32	17.87	1343.94	80.13	1343.37	69.48	60.01	12.58	10.46	29.97	11.17	9.58
6/6/00 17:34	17.90	1343.94	80.13	1343.35	69.48	59.63	12.58	10.47	29.97	11.17	9.58
6/6/00 17:35	17.92	1343.93	80.12	1343.37	69.48	57.57	12.54	10.41	29.97	11.17	9.58
6/6/00 17:36	17.93	1343.94	80.12	1343.37	69.48	59.90	12.56	10.42	29.97	11.17	9.58
6/6/00 17:37	17.95	1343.94	80.11	1343.37	69.49	57.79	12.54	10.40	29.97	11.17	9.58
6/6/00 17:38	17.97	1343.94	80.11	1343.35	69.49	60.56	12.57	10.45	29.97	11.17	9.58
6/6/00 17:40	18.00	1343.93	80.10	1343.36	69.50	58.53	12.54	10.42	29.97	11.17	9.58
6/6/00 17:41	18.02	1343.93	80.10	1343.36	69.50	57.66	12.56	10.40	29.97	11.16	9.58
6/6/00 17:42	18.03	1343.94	80.09	1343.37	69.51	57.27	12.56	10.38	29.97	11.16	9.58
6/6/00 17:43	18.05	1343.94	80.09	1343.37	69.51	59.90	12.57	10.46	29.96	11.17	9.58
6/6/00 17:44	18.07	1343.94	80.09	1343.38	69.50	58.09	12.59	10.43	29.96	11.17	9.58
6/6/00 17:46	18.10	1343.94	80.08	1343.37	69.50	59.85	12.56	10.42	29.96	11.17	9.58
6/6/00 17:47	18.12	1343.93	80.08	1343.33	69.50	56.89	12.56	10.38	29.96	11.17	9.58
6/6/00 17:48	18.13	1343.93	80.07	1343.39	69.51	59.42	12.58	10.45	29.96	11.17	9.57
6/6/00 17:49	18.15	1343.93	80.07	1343.37	69.51	57.62	12.56	10.40	29.96	11.17	9.57
6/6/00 17:50	18.17	1343.94	80.07	1343.37	69.51	59.00	12.54	10.41	29.96	11.17	9.57
6/6/00 17:52	18.20	1343.94	80.06	1343.37	69.51	59.11	12.54	10.40	29.96	11.17	9.57
6/6/00 17:53	18.22	1343.94	80.06	1343.37	69.51	58.56	12.56	10.42	29.96	11.17	9.57
6/6/00 17:54	18.23	1343.94	80.06	1343.38	69.51	58.91	12.58	10.44	29.96	11.17	9.57
6/6/00 17:55	18.25	1343.93	80.06	1343.38	69.51	56.58	12.58	10.42	29.96	11.17	9.57
6/6/00 17:56	18.27	1343.93	80.06	1343.37	69.51	58.28	12.60	10.44	29.96	11.17	9.57
6/6/00 17:58	18.30	1343.94	80.06	1343.38	69.51	59.20	12.60	10.44	29.96	11.17	9.57
6/6/00 17:59	18.32	1343.93	80.06	1343.39	69.50	59.02	12.54	10.39	29.96	11.17	9.57
6/6/00 18:00	18.33	1343.93	80.06	1343.40	69.50	59.83	12.58	10.43	29.96	11.17	9.57
6/6/00 18:01	18.35	1343.93	80.05	1343.40	69.50	56.76	12.55	10.39	29.96	11.17	9.57
6/6/00 18:02	18.37	1343.94	80.05	1343.40	69.50	59.82	12.58	10.43	29.95	11.17	9.57
6/6/00 18:04	18.40	1343.94	80.05	1343.39	69.49	58.25	12.56	10.43	29.95	11.17	9.57
6/6/00 18:05	18.42	1343.94	80.05	1343.39	69.49	57.48	12.55	10.38	29.95	11.17	9.57
6/6/00 18:06	18.43	1343.94	80.04	1343.40	69.49	56.80	12.58	10.42	29.95	11.17	9.57
6/6/00 18:07	18.45	1343.94	80.04	1343.38	69.50	59.71	12.55	10.43	29.95	11.17	9.57
6/6/00 18:08	18.47	1343.94	80.04	1343.40	69.50	59.98	12.58	10.45	29.95	11.17	9.56
6/6/00 18:10	18.50	1343.94	80.03	1343.41	69.50	58.95	12.54	10.38	29.95	11.17	9.56
6/6/00 18:11	18.52	1343.93	80.03	1343.40	69.50	59.19	12.54	10.41	29.95	11.17	9.56
6/6/00 18:12	18.53	1343.93	80.02	1343.39	69.50	59.37	12.55	10.41	29.95	11.17	9.56
6/6/00 18:13	18.55	1343.93	80.02	1343.39	69.50	59.65	12.56	10.41	29.95	11.17	9.56
6/6/00 18:14	18.57	1343.93	80.02	1343.39	69.50	59.75	12.57	10.42	29.95	11.17	9.56
6/6/00 18:16	18.60	1343.94	80.01	1343.38	69.49	60.41	12.58	10.43	29.95	11.17	9.56
6/6/00 18:17	18.62	1343.94	80.01	1343.39	69.49	58.14	12.54	10.37	29.95	11.17	9.56
6/6/00 18:18	18.63	1343.93	80.00	1343.38	69.48	58.78	12.54	10.39	29.95	11.17	9.56
6/6/00 18:19	18.65	1343.93	80.00	1343.37	69.47	59.00	12.54	10.38	29.95	11.17	9.56
6/6/00 18:20	18.67	1343.93	79.99	1343.39	69.46	59.72	12.57	10.43	29.95	11.17	9.56
6/6/00 18:22	18.70	1343.93	79.99	1343.38	69.46	57.14	12.56	10.37	29.95	11.17	9.56
6/6/00 18:23	18.72	1343.93	79.99	1343.39	69.45	57.33	12.55	10.37	29.95	11.17	9.56
6/6/00 18:24	18.73	1343.93	79.98	1343.41	69.44	58.36	12.59	10.41	29.95	11.17	9.56
6/6/00 18:25	18.75	1343.93	79.98	1343.42	69.45	58.75	12.54	10.39	29.95	11.17	9.56
6/6/00 18:26	18.77	1343.94	79.98	1343.40	69.45	56.65	12.56	10.37	29.95	11.17	9.56
6/6/00 18:28	18.80	1343.93	79.98	1343.39	69.45	58.60	12.59	10.41	29.95	11.17	9.56
6/6/00 18:29	18.82	1343.93	79.97	1343.42	69.45	58.76	12.55	10.40	29.95	11.17	9.56
6/6/00 18:30	18.83	1343.93	79.97	1343.41	69.46	57.58	12.59	10.41	29.95	11.17	9.56
6/6/00 18:31	18.85	1343.94	79.97	1343.42	69.47	57.54	12.59	10.40	29.95	11.18	9.56
6/6/00 18:32	18.87	1343.94	79.97	1343.40	69.47	57.58	12.55	10.37	29.95	11.18	9.56
6/6/00 18:34	18.90	1343.94	79.97	1343.39	69.48	59.42	12.56	10.41	29.95	11.18	9.56
6/6/00 18:35	18.92	1343.93	79.97	1343.39	69.48	58.62	12.56	10.40	29.95	11.19	9.56
6/6/00 18:36	18.93	1343.93	79.97	1343.41	69.49	59.65	12.57	10.42	29.95	11.19	9.56
6/6/00 18:37	18.95	1343.94	79.97	1343.40	69.48	58.97	12.54	10.39	29.95	11.19	9.56
6/6/00 18:38	18.97	1343.94	79.97	1343.40	69.48	57.31	12.55	10.37	29.95	11.19	9.56
6/6/00 18:40	19.00	1343.94	79.96	1343.41	69.48	57.11	12.59	10.38	29.95	11.20	9.56
6/6/00 18:41	19.02	1343.93	79.96	1343.41	69.48	59.16	12.58	10.43	29.95	11.20	9.56
6/6/00 18:42	19.03	1343.93	79.95	1343.40	69.48	56.73	12.55	10.37	29.95	11.20	9.56
6/6/00 18:43	19.05	1343.93	79.94	1343.41	69.48	59.34	12.59	10.40	29.95	11.20	9.55
6/6/00 18:44	19.07	1343.93	79.94	1343.42	69.47	58.20	12.60	10.41	29.95	11.21	9.55
6/6/00 18:46	19.10	1343.93	79.93	1343.41	69.47	56.67	12.57	10.35	29.95	11.21	9.55
6/6/00 18:47	19.12	1343.93	79.93	1343.40	69.47	59.26	12.56	10.40	29.95	11.21	9.55
6/6/00 18:48	19.13	1343.93	79.92	1343.41	69.47	59.39	12.60	10.42	29.95	11.21	9.55
6/6/00 18:49	19.15	1343.93	79.92	1343.40	69.47	57.16	12.58	10.37	29.95	11.21	9.55
6/6/00 18:50	19.17	1343.94	79.91	1343.41	69.47	58.90	12.59	10.39	29.95	11.21	9.55
6/6/00 18:52	19.20	1343.93	79.91	1343.42	69.47	58.61	12.56	10.36	29.95	11.20	9.55
6/6/00 18:53	19.22	1343.93	79.90	1343.41	69.48	58.64	12.60	10.39	29.95	11.20	9.55
6/6/00 18:54	19.23	1343.93	79.90	1343.41	69.48	57.75	12.57	10.40	29.95	11.20	9.55
6/6/00 18:55	19.25	1343.93	79.90	1343.38	69.48	57.33	12.58	10.40	29.95	11.20	9.55

6/6/00 18:56	19.27	1343.94	79.89	1343.40	69.48	58.45	12.56	10.38	29.95	11.20	9.55
6/6/00 18:58	19.30	1343.94	79.89	1343.38	69.48	59.39	12.60	10.40	29.95	11.20	9.55
6/6/00 18:59	19.32	1343.94	79.89	1343.40	69.49	57.53	12.58	10.37	29.95	11.20	9.55
6/6/00 19:00	19.33	1343.93	79.89	1343.38	69.49	56.80	12.57	10.35	29.95	11.20	9.55
6/6/00 19:01	19.35	1343.93	79.89	1343.36	69.48	58.65	12.55	10.37	29.95	11.20	9.55
6/6/00 19:02	19.37	1343.94	79.89	1343.41	69.48	58.03	12.54	10.37	29.95	11.20	9.54
6/6/00 19:04	19.40	1343.94	79.88	1343.42	69.48	57.92	12.56	10.38	29.95	11.21	9.55
6/6/00 19:05	19.42	1343.94	79.88	1343.42	69.48	56.66	12.59	10.38	29.95	11.21	9.55
6/6/00 19:06	19.43	1343.94	79.88	1343.42	69.48	60.63	12.59	10.43	29.95	11.22	9.55
6/6/00 19:07	19.45	1343.94	79.88	1343.42	69.47	59.81	12.59	10.41	29.95	11.23	9.55
6/6/00 19:08	19.47	1343.93	79.87	1343.42	69.47	58.53	12.60	10.42	29.95	11.23	9.55
6/6/00 19:10	19.50	1343.94	79.87	1343.43	69.47	59.12	12.56	10.37	29.95	11.24	9.55
6/6/00 19:11	19.52	1343.94	79.87	1343.43	69.47	59.22	12.60	10.40	29.95	11.25	9.55
6/6/00 19:12	19.53	1343.94	79.87	1343.43	69.47	56.78	12.59	10.37	29.95	11.25	9.55
6/6/00 19:13	19.55	1343.94	79.87	1343.43	69.47	60.05	12.57	10.39	29.95	11.26	9.56
6/6/00 19:14	19.57	1343.94	79.87	1343.41	69.47	57.14	12.57	10.35	29.95	11.27	9.56
6/6/00 19:16	19.60	1343.94	79.87	1343.41	69.46	59.41	12.59	10.42	29.95	11.28	9.56
6/6/00 19:17	19.62	1343.95	79.87	1343.40	69.46	57.83	12.56	10.37	29.95	11.29	9.56
6/6/00 19:18	19.63	1343.94	79.86	1343.42	69.46	59.38	12.59	10.42	29.95	11.29	9.55
6/6/00 19:19	19.65	1343.94	79.86	1343.43	69.47	59.64	12.60	10.42	29.95	11.29	9.55
6/6/00 19:20	19.67	1343.94	79.86	1343.43	69.47	58.40	12.60	10.39	29.95	11.29	9.55
6/6/00 19:22	19.70	1343.94	79.86	1343.45	69.47	57.10	12.60	10.37	29.95	11.29	9.55
6/6/00 19:23	19.72	1343.94	79.85	1343.44	69.48	58.32	12.58	10.39	29.95	11.29	9.55
6/6/00 19:24	19.73	1343.94	79.85	1343.42	69.48	56.69	12.60	10.37	29.95	11.28	9.55
6/6/00 19:25	19.75	1343.95	79.84	1343.42	69.49	59.42	12.60	10.42	29.95	11.27	9.54
6/6/00 19:26	19.77	1343.94	79.84	1343.43	69.49	58.28	12.58	10.36	29.96	11.27	9.54
6/6/00 19:28	19.80	1343.95	79.83	1343.43	69.49	59.67	12.61	10.43	29.96	11.27	9.54
6/6/00 19:29	19.82	1343.95	79.83	1343.43	69.50	57.07	12.57	10.35	29.96	11.27	9.54
6/6/00 19:30	19.83	1343.95	79.83	1343.44	69.50	56.77	12.59	10.35	29.96	11.26	9.54
6/6/00 19:31	19.85	1343.95	79.82	1343.44	69.50	59.35	12.60	10.39	29.96	11.25	9.54
6/6/00 19:32	19.87	1343.95	79.82	1343.44	69.50	58.76	12.59	10.38	29.96	11.25	9.54
6/6/00 19:34	19.90	1343.95	79.82	1343.43	69.50	59.70	12.60	10.40	29.96	11.25	9.54
6/6/00 19:35	19.92	1343.95	79.81	1343.43	69.50	59.37	12.60	10.42	29.96	11.24	9.54
6/6/00 19:36	19.93	1343.95	79.81	1343.43	69.49	57.22	12.58	10.37	29.96	11.24	9.54
6/6/00 19:37	19.95	1343.95	79.81	1343.42	69.49	59.54	12.61	10.42	29.97	11.24	9.54
6/6/00 19:38	19.97	1343.95	79.80	1343.41	69.48	57.33	12.60	10.34	29.96	11.25	9.54
6/6/00 19:40	20.00	1343.95	79.80	1343.39	69.48	60.01	12.59	10.41	29.97	11.26	9.55
6/6/00 19:41	20.02	1343.96	79.80	1343.38	69.48	59.93	12.59	10.35	29.97	11.27	9.55
6/6/00 19:42	20.03	1343.96	79.80	1343.40	69.47	60.74	12.62	10.42	29.97	11.28	9.55
6/6/00 19:43	20.05	1343.96	79.80	1343.40	69.46	60.84	12.63	10.41	29.97	11.27	9.55
6/6/00 19:44	20.07	1343.96	79.80	1343.41	69.46	61.34	12.62	10.40	29.97	11.27	9.56
6/6/00 19:46	20.10	1343.95	79.80	1343.41	69.45	59.05	12.60	10.36	29.97	11.26	9.56
6/6/00 19:47	20.12	1343.95	79.80	1343.40	69.44	60.41	12.63	10.41	29.97	11.26	9.56
6/6/00 19:48	20.13	1343.94	79.79	1343.40	69.43	58.65	12.62	10.35	29.97	11.27	9.57
6/6/00 19:49	20.15	1343.94	79.79	1343.37	69.42	60.55	12.63	10.43	29.97	11.27	9.57
6/6/00 19:50	20.17	1343.95	79.79	1343.41	69.41	58.72	12.61	10.35	29.97	11.26	9.56
6/6/00 19:52	20.20	1343.94	79.78	1343.42	69.40	60.41	12.61	10.39	29.97	11.26	9.56
6/6/00 19:53	20.22	1343.94	79.77	1343.42	69.40	59.35	12.60	10.37	29.97	11.26	9.55
6/6/00 19:54	20.23	1343.94	79.76	1343.47	69.40	60.82	12.64	10.40	29.97	11.26	9.56
6/6/00 19:55	20.25	1343.94	79.75	1343.44	69.40	57.97	12.64	10.37	29.97	11.26	9.56
6/6/00 19:56	20.27	1343.94	79.74	1343.45	69.41	60.00	12.64	10.43	29.99	11.26	9.56
6/6/00 19:58	20.30	1343.96	79.73	1343.46	69.42	60.40	12.65	10.40	29.97	11.26	9.56
6/6/00 19:59	20.32	1343.96	79.73	1343.46	69.43	60.67	12.64	10.43	29.99	11.26	9.56
6/6/00 20:00	20.33	1343.97	79.73	1343.45	69.44	59.92	12.63	10.40	29.99	11.26	9.56
6/6/00 20:01	20.35	1343.97	79.73	1343.46	69.45	60.55	12.66	10.42	29.99	11.26	9.56
6/6/00 20:02	20.37	1343.97	79.73	1343.45	69.45	60.08	12.67	10.44	29.99	11.26	9.56
6/6/00 20:04	20.40	1343.97	79.73	1343.46	69.46	60.30	12.66	10.43	29.99	11.26	9.56
6/6/00 20:05	20.42	1343.97	79.72	1343.46	69.46	57.92	12.63	10.35	29.99	11.26	9.56
6/6/00 20:06	20.43	1343.97	79.72	1343.46	69.47	59.64	12.67	10.37	29.99	11.26	9.56
6/6/00 20:07	20.45	1343.97	79.72	1343.45	69.46	60.01	12.67	10.44	29.99	11.26	9.56
6/6/00 20:08	20.47	1343.97	79.71	1343.46	69.46	59.24	12.68	10.35	29.99	11.26	9.56
6/6/00 20:10	20.50	1343.97	79.71	1343.46	69.46	60.27	12.68	10.43	29.99	11.26	9.56
6/6/00 20:11	20.52	1343.98	79.71	1343.46	69.46	60.77	12.67	10.45	29.99	11.26	9.56
6/6/00 20:12	20.53	1343.98	79.70	1343.46	69.45	60.37	12.67	10.43	30.00	11.26	9.56
6/6/00 20:13	20.55	1343.98	79.70	1343.46	69.46	58.35	12.67	10.36	30.00	11.26	9.56
6/6/00 20:14	20.57	1343.98	79.70	1343.46	69.46	60.84	12.67	10.41	30.00	11.26	9.56
6/6/00 20:16	20.60	1343.99	79.70	1343.47	69.46	59.20	12.68	10.36	30.00	11.26	9.56
6/6/00 20:17	20.62	1343.99	79.70	1343.47	69.46	61.06	12.67	10.41	30.00	11.25	9.56
6/6/00 20:18	20.63	1343.98	79.70	1343.47	69.46	59.38	12.68	10.37	30.00	11.25	9.56
6/6/00 20:19	20.65	1343.98	79.69	1343.47	69.46	60.64	12.69	10.43	30.01	11.26	9.56
6/6/00 20:20	20.67	1343.98	79.69	1343.47	69.46	60.63	12.69	10.39	30.01	11.26	9.56
6/6/00 20:22	20.70	1343.99	79.69	1343.47	69.46	60.63	12.69	10.43	30.01	11.26	9.56
6/6/00 20:23	20.72	1343.99	79.68	1343.47	69.45	59.78	12.68	10.35	30.01	11.26	9.56
6/6/00 20:24	20.73	1343.98	79.68	1343.48	69.45	58.38	12.67	10.36	30.01	11.26	9.56
6/6/00 20:25	20.75	1343.99	79.68	1343.48	69.45	59.24	12.66	10.33	30.01	11.26	9.56
6/6/00 20:26	20.77	1343.99	79.67	1343.47	69.44	61.34	12.70	10.44	30.01	11.26	9.56
6/6/00 20:28	20.80	1344.00	79.67	1343.47	69.44	59.56	12.66	10.37	30.01	11.26	9.56
6/6/00 20:29	20.82	1344.00	79.67	1343.48	69.44	61.32	12.70	10.43	30.01	11.26	9.56
6/6/00 20:30	20.83	1344.00	79.67	1343.48	69.42	59.50	12.70	10.37	30.01	11.26	9.57
6/6/00 20:31	20.85	1344.00	79.67	1343.48	69.42	61.44	12.71	10.42	30.01	11.26	9.58
6/6/00 20:32	20.87	1344.00	79.67	1343.49	69.41	59.76	12.71	10.44	30.01	11.27	9.58

6/6/00 20:34	20.90	1344.00	79.66	1343.48	69.40	61.98	12.72	10.43	30.01	11.27	9.58
6/6/00 20:35	20.92	1343.99	79.65	1343.48	69.39	61.03	12.72	10.40	30.01	11.26	9.57
6/6/00 20:36	20.93	1343.99	79.64	1343.50	69.39	59.67	12.71	10.37	30.01	11.26	9.56
6/6/00 20:37	20.95	1343.99	79.64	1343.49	69.39	59.15	12.68	10.36	30.03	11.27	9.56
6/6/00 20:38	20.97	1344.00	79.63	1343.49	69.40	59.39	12.68	10.38	30.03	11.27	9.56
6/6/00 20:40	21.00	1344.01	79.62	1343.50	69.41	60.48	12.69	10.43	30.03	11.26	9.56
6/6/00 20:41	21.02	1344.01	79.62	1343.51	69.41	61.44	12.72	10.42	30.03	11.26	9.56
6/6/00 20:42	21.03	1344.01	79.62	1343.50	69.42	59.94	12.69	10.45	30.03	11.26	9.56
6/6/00 20:43	21.05	1344.01	79.62	1343.51	69.42	58.47	12.67	10.35	30.03	11.24	9.55
6/6/00 20:44	21.07	1344.01	79.63	1343.51	69.42	59.52	12.70	10.44	30.03	11.25	9.55
6/6/00 20:46	21.10	1344.01	79.62	1343.50	69.42	61.50	12.69	10.43	30.03	11.26	9.56
6/6/00 20:47	21.12	1344.01	79.62	1343.50	69.42	60.70	12.70	10.44	30.04	11.27	9.56
6/6/00 20:48	21.13	1344.01	79.62	1343.51	69.42	59.23	12.66	10.39	30.04	11.27	9.56
6/6/00 20:49	21.15	1344.01	79.61	1343.51	69.42	58.39	12.68	10.35	30.04	11.27	9.56
6/6/00 20:50	21.17	1344.01	79.61	1343.51	69.42	59.41	12.65	10.40	30.04	11.27	9.56
6/6/00 20:52	21.20	1344.02	79.61	1343.52	69.41	59.96	12.67	10.48	30.04	11.25	9.55
6/6/00 20:53	21.22	1344.02	79.61	1343.53	69.41	61.06	12.67	10.48	30.04	11.24	9.54
6/6/00 20:54	21.23	1344.02	79.60	1343.52	69.41	59.00	12.67	10.36	30.04	11.25	9.55
6/6/00 20:55	21.25	1344.02	79.60	1343.51	69.41	59.60	12.64	10.37	30.04	11.27	9.55
6/6/00 20:56	21.27	1344.02	79.60	1343.53	69.41	60.34	12.65	10.46	30.04	11.27	9.55
6/6/00 20:58	21.30	1344.02	79.60	1343.53	69.42	59.63	12.61	10.39	30.04	11.26	9.55
6/6/00 20:59	21.32	1344.02	79.59	1343.52	69.42	60.97	12.66	10.42	30.04	11.27	9.55
6/6/00 21:00	21.33	1344.02	79.59	1343.52	69.41	61.00	12.65	10.44	30.04	11.25	9.55
6/6/00 21:01	21.35	1344.02	79.58	1343.53	69.41	58.24	12.61	10.35	30.04	11.24	9.55
6/6/00 21:02	21.37	1344.02	79.58	1343.53	69.41	59.23	12.62	10.42	30.04	11.25	9.55
6/6/00 21:04	21.40	1344.03	79.57	1343.53	69.41	58.61	12.59	10.37	30.06	11.26	9.54
6/6/00 21:05	21.42	1344.03	79.57	1343.51	69.41	59.13	12.62	10.36	30.06	11.27	9.54
6/6/00 21:06	21.43	1344.03	79.57	1343.53	69.41	58.61	12.58	10.37	30.06	11.27	9.54
6/6/00 21:07	21.45	1344.03	79.57	1343.52	69.42	60.01	12.60	10.38	30.06	11.27	9.55
6/6/00 21:08	21.47	1344.03	79.57	1343.52	69.42	57.88	12.57	10.39	30.06	11.27	9.54
6/6/00 21:10	21.50	1344.03	79.57	1343.52	69.43	59.30	12.56	10.45	30.06	11.26	9.54
6/6/00 21:11	21.52	1344.03	79.56	1343.53	69.43	58.97	12.58	10.36	30.06	11.27	9.54
6/6/00 21:12	21.53	1344.03	79.56	1343.53	69.44	59.64	12.56	10.44	30.07	11.27	9.54
6/6/00 21:13	21.55	1344.03	79.55	1343.53	69.44	58.01	12.57	10.40	30.06	11.26	9.54
6/6/00 21:14	21.57	1344.03	79.55	1343.52	69.44	59.23	12.54	10.43	30.06	11.25	9.54
6/6/00 21:16	21.60	1344.04	79.54	1343.52	69.44	60.05	12.57	10.46	30.06	11.25	9.54
6/6/00 21:17	21.62	1344.04	79.54	1343.52	69.44	59.30	12.53	10.38	30.07	11.26	9.54
6/6/00 21:18	21.63	1344.04	79.53	1343.54	69.44	59.81	12.56	10.42	30.07	11.27	9.54
6/6/00 21:19	21.65	1344.04	79.53	1343.54	69.44	59.01	12.53	10.38	30.07	11.26	9.54
6/6/00 21:20	21.67	1344.04	79.53	1343.54	69.44	60.81	12.55	10.47	30.07	11.26	9.54
6/6/00 21:22	21.70	1344.04	79.52	1343.54	69.44	59.12	12.52	10.37	30.07	11.25	9.54
6/6/00 21:23	21.72	1344.04	79.52	1343.53	69.44	59.39	12.53	10.41	30.07	11.25	9.53
6/6/00 21:24	21.73	1344.04	79.52	1343.52	69.44	60.05	12.52	10.49	30.07	11.26	9.54
6/6/00 21:25	21.75	1344.05	79.52	1343.52	69.44	60.70	12.52	10.46	30.07	11.27	9.54
6/6/00 21:26	21.77	1344.05	79.52	1343.52	69.44	58.75	12.50	10.39	30.07	11.26	9.54
6/6/00 21:28	21.80	1344.05	79.51	1343.52	69.44	58.76	12.51	10.39	30.08	11.27	9.54
6/6/00 21:29	21.82	1344.05	79.51	1343.52	69.44	59.87	12.51	10.46	30.08	11.27	9.54
6/6/00 21:30	21.83	1344.04	79.51	1343.51	69.43	58.75	12.51	10.47	30.07	11.26	9.54
6/6/00 21:31	21.85	1344.04	79.51	1343.52	69.43	58.56	12.50	10.40	30.07	11.26	9.54
6/6/00 21:32	21.87	1344.04	79.51	1343.50	69.43	61.07	12.51	10.49	30.07	11.27	9.54
6/6/00 21:34	21.90	1344.04	79.51	1343.50	69.42	59.61	12.49	10.37	30.08	11.27	9.54
6/6/00 21:35	21.92	1344.04	79.50	1343.50	69.42	62.11	12.51	10.47	30.10	11.27	9.54
6/6/00 21:36	21.93	1344.04	79.50	1343.54	69.42	60.11	12.49	10.48	30.08	11.27	9.54
6/6/00 21:37	21.95	1344.04	79.50	1343.54	69.42	58.58	12.48	10.37	30.10	11.26	9.54
6/6/00 21:38	21.97	1344.04	79.50	1343.55	69.42	60.64	12.50	10.49	30.10	11.25	9.54
6/6/00 21:40	22.00	1344.05	79.49	1343.55	69.42	59.96	12.47	10.39	30.10	11.21	9.53
6/6/00 21:41	22.02	1344.05	79.49	1343.55	69.42	59.19	12.46	10.41	30.10	11.20	9.53
6/6/00 21:42	22.03	1344.05	79.49	1343.54	69.41	60.53	12.48	10.46	30.10	11.19	9.53
6/6/00 21:43	22.05	1344.06	79.49	1343.55	69.41	58.25	12.48	10.40	30.10	11.19	9.54
6/6/00 21:44	22.07	1344.06	79.49	1343.56	69.40	59.22	12.47	10.44	30.08	11.20	9.54
6/6/00 21:46	22.10	1344.07	79.48	1343.56	69.40	60.09	12.49	10.46	30.10	11.21	9.54
6/6/00 21:47	22.12	1344.07	79.48	1343.57	69.39	58.08	12.45	10.41	30.08	11.20	9.54
6/6/00 21:48	22.13	1344.07	79.47	1343.57	69.39	58.46	12.45	10.43	30.10	11.21	9.54
6/6/00 21:49	22.15	1344.07	79.47	1343.58	69.40	59.94	12.45	10.42	30.10	11.22	9.54
6/6/00 21:50	22.17	1344.08	79.46	1343.58	69.40	58.73	12.46	10.37	30.10	11.20	9.54
6/6/00 21:52	22.20	1344.08	79.46	1343.57	69.41	60.01	12.47	10.48	30.10	11.21	9.54
6/6/00 21:53	22.22	1344.07	79.45	1343.57	69.41	59.00	12.47	10.39	30.10	11.22	9.54
6/6/00 21:54	22.23	1344.07	79.45	1343.59	69.42	58.32	12.47	10.40	30.10	11.23	9.55
6/6/00 21:55	22.25	1344.08	79.45	1343.58	69.42	60.14	12.46	10.48	30.10	11.24	9.55
6/6/00 21:56	22.27	1344.08	79.45	1343.58	69.42	59.20	12.45	10.44	30.10	11.24	9.55
6/6/00 21:58	22.30	1344.08	79.44	1343.59	69.42	60.41	12.48	10.50	30.11	11.22	9.55
6/6/00 21:59	22.32	1344.08	79.44	1343.58	69.42	61.34	12.48	10.51	30.11	11.21	9.55
6/6/00 22:00	22.33	1344.08	79.43	1343.58	69.42	59.19	12.44	10.40	30.11	11.22	9.55
6/6/00 22:01	22.35	1344.08	79.43	1343.58	69.41	58.43	12.46	10.42	30.11	11.21	9.54
6/6/00 22:02	22.37	1344.09	79.42	1343.58	69.41	58.91	12.46	10.42	30.11	11.20	9.54
6/6/00 22:04	22.40	1344.09	79.42	1343.57	69.41	60.99	12.47	10.44	30.11	11.21	9.55
6/6/00 22:05	22.42	1344.09	79.42	1343.58	69.41	59.13	12.45	10.44	30.11	11.20	9.54
6/6/00 22:06	22.43	1344.09	79.42	1343.59	69.40	59.60	12.45	10.44	30.11	11.21	9.55
6/6/00 22:07	22.45	1344.09	79.42	1343.60	69.39	60.11	12.46	10.52	30.11	11.22	9.55
6/6/00 22:08	22.47	1344.09	79.41	1343.60	69.39	60.79	12.47	10.48	30.11	11.20	9.55
6/6/00 22:10	22.50	1344.09	79.41	1343.60	69.39	57.97	12.46	10.40	30.11	11.23	9.55

6/6/00 22:11	22.52	1344.09	79.41	1343.58	69.38	60.93	12.45	10.48	30.11	11.23	9.55
6/6/00 22:12	22.53	1344.10	79.41	1343.59	69.38	60.00	12.45	10.44	30.11	11.24	9.56
6/6/00 22:13	22.55	1344.09	79.40	1343.59	69.39	58.90	12.47	10.38	30.12	11.23	9.55
6/6/00 22:14	22.57	1344.10	79.40	1343.60	69.39	60.04	12.46	10.41	30.12	11.21	9.55
6/6/00 22:16	22.60	1344.10	79.40	1343.62	69.39	59.34	12.46	10.41	30.11	11.20	9.55
6/6/00 22:17	22.62	1344.10	79.40	1343.60	69.40	61.19	12.47	10.51	30.11	11.17	9.54
6/6/00 22:18	22.63	1344.10	79.39	1343.60	69.40	59.87	12.44	10.49	30.12	11.16	9.55
6/6/00 22:19	22.65	1344.10	79.39	1343.60	69.40	60.95	12.48	10.46	30.11	11.17	9.56
6/6/00 22:20	22.67	1344.10	79.39	1343.60	69.40	59.26	12.44	10.46	30.11	11.18	9.56
6/6/00 22:22	22.70	1344.11	79.38	1343.58	69.39	58.19	12.45	10.41	30.11	11.17	9.56
6/6/00 22:23	22.72	1344.10	79.38	1343.58	69.39	60.11	12.46	10.51	30.11	11.17	9.55
6/6/00 22:24	22.73	1344.10	79.37	1343.58	69.39	57.94	12.45	10.41	30.10	11.21	9.56
6/6/00 22:25	22.75	1344.10	79.37	1343.58	69.39	61.34	12.47	10.51	30.11	11.20	9.55
6/6/00 22:26	22.77	1344.10	79.36	1343.57	69.39	60.84	12.47	10.49	30.11	11.23	9.56
6/6/00 22:28	22.80	1344.11	79.35	1343.58	69.39	61.34	12.47	10.53	30.11	11.25	9.56
6/6/00 22:29	22.82	1344.10	79.35	1343.60	69.39	60.31	12.48	10.44	30.11	11.28	9.56
6/6/00 22:30	22.83	1344.09	79.35	1343.59	69.39	58.25	12.47	10.41	30.10	11.27	9.56
6/6/00 22:31	22.85	1344.10	79.35	1343.58	69.39	59.85	12.45	10.49	30.10	11.21	9.55
6/6/00 22:32	22.87	1344.10	79.34	1343.59	69.40	59.13	12.46	10.42	30.10	11.16	9.54
6/6/00 22:34	22.90	1344.10	79.34	1343.58	69.40	58.97	12.44	10.43	30.10	11.18	9.56
6/6/00 22:35	22.92	1344.10	79.34	1343.58	69.40	60.93	12.45	10.50	30.11	11.20	9.56
6/6/00 22:36	22.93	1344.10	79.33	1343.58	69.40	60.53	12.47	10.49	30.10	11.23	9.56
6/6/00 22:37	22.95	1344.10	79.33	1343.57	69.40	59.54	12.47	10.42	30.10	11.25	9.57
6/6/00 22:38	22.97	1344.10	79.33	1343.58	69.40	59.46	12.45	10.50	30.10	11.26	9.56
6/6/00 22:40	23.00	1344.10	79.33	1343.59	69.40	61.37	12.49	10.52	30.10	11.25	9.56
6/6/00 22:41	23.02	1344.11	79.32	1343.59	69.40	60.59	12.49	10.51	30.10	11.24	9.56
6/6/00 22:42	23.03	1344.11	79.32	1343.57	69.40	58.43	12.45	10.42	30.10	11.22	9.56
6/6/00 22:43	23.05	1344.11	79.32	1343.58	69.40	58.49	12.48	10.45	30.10	11.22	9.56
6/6/00 22:44	23.07	1344.11	79.32	1343.58	69.40	58.65	12.45	10.42	30.10	11.21	9.56
6/6/00 22:46	23.10	1344.11	79.32	1343.58	69.40	58.95	12.46	10.44	30.10	11.23	9.56
6/6/00 22:47	23.12	1344.11	79.32	1343.58	69.40	58.20	12.46	10.40	30.10	11.23	9.56
6/6/00 22:48	23.13	1344.11	79.31	1343.59	69.40	58.30	12.47	10.40	30.11	11.21	9.56
6/6/00 22:49	23.15	1344.11	79.31	1343.58	69.39	60.36	12.47	10.53	30.10	11.22	9.56
6/6/00 22:50	23.17	1344.11	79.31	1343.58	69.39	60.60	12.47	10.53	30.11	11.21	9.56
6/6/00 22:52	23.20	1344.11	79.31	1343.58	69.39	59.15	12.47	10.44	30.10	11.21	9.56
6/6/00 22:53	23.22	1344.11	79.31	1343.58	69.39	59.53	12.47	10.43	30.10	11.22	9.56
6/6/00 22:54	23.23	1344.11	79.30	1343.60	69.38	61.08	12.47	10.53	30.10	11.22	9.56
6/6/00 22:55	23.25	1344.11	79.30	1343.59	69.38	59.43	12.46	10.41	30.10	11.19	9.56
6/6/00 22:56	23.27	1344.11	79.29	1343.59	69.38	58.50	12.46	10.42	30.10	11.19	9.56
6/6/00 22:58	23.30	1344.12	79.29	1343.58	69.38	61.06	12.48	10.47	30.10	11.18	9.56
6/6/00 22:59	23.32	1344.12	79.29	1343.59	69.38	60.66	12.47	10.52	30.10	11.17	9.56
6/6/00 23:00	23.33	1344.12	79.29	1343.60	69.38	61.08	12.47	10.51	30.10	11.16	9.56
6/6/00 23:01	23.35	1344.12	79.29	1343.61	69.38	60.26	12.49	10.47	30.10	11.16	9.56
6/6/00 23:02	23.37	1344.12	79.29	1343.60	69.38	59.97	12.46	10.46	30.10	11.16	9.56
6/6/00 23:04	23.40	1344.12	79.28	1343.60	69.38	61.71	12.48	10.48	30.10	11.16	9.56
6/6/00 23:05	23.42	1344.12	79.28	1343.61	69.38	60.01	12.48	10.46	30.10	11.17	9.57
6/6/00 23:06	23.43	1344.12	79.28	1343.60	69.38	58.84	12.45	10.40	30.10	11.16	9.56
6/6/00 23:07	23.45	1344.12	79.27	1343.60	69.38	60.67	12.48	10.46	30.10	11.16	9.56
6/6/00 23:08	23.47	1344.12	79.27	1343.60	69.38	58.45	12.45	10.40	30.10	11.16	9.56
6/6/00 23:10	23.50	1344.13	79.26	1343.61	69.38	58.46	12.44	10.41	30.10	11.16	9.56
6/6/00 23:11	23.52	1344.12	79.26	1343.61	69.38	60.44	12.48	10.48	30.10	11.17	9.57
6/6/00 23:12	23.53	1344.13	79.26	1343.60	69.38	61.22	12.48	10.52	30.10	11.20	9.57
6/6/00 23:13	23.55	1344.13	79.25	1343.61	69.38	60.66	12.49	10.48	30.08	11.23	9.57
6/6/00 23:14	23.57	1344.13	79.25	1343.60	69.38	59.04	12.47	10.51	30.10	11.24	9.58
6/6/00 23:16	23.60	1344.13	79.25	1343.61	69.38	61.84	12.49	10.52	30.10	11.21	9.57
6/6/00 23:17	23.62	1344.13	79.24	1343.61	69.38	60.16	12.48	10.53	30.08	11.20	9.56
6/6/00 23:20	23.67	1344.13	79.23	1343.56	69.38	60.97	12.48	10.49	30.08	11.19	9.57
6/6/00 23:21	23.68	1344.13	79.23	1343.54	69.38	59.41	12.47	10.42	30.08	11.19	9.57
6/6/00 23:22	23.70	1344.13	79.23	1343.53	69.38	59.96	12.47	10.44	30.08	11.18	9.56
6/6/00 23:24	23.73	1344.13	79.22	1343.52	69.38	60.14	12.47	10.49	30.08	11.16	9.56
6/6/00 23:25	23.75	1344.11	79.22	1343.51	69.38	59.05	12.47	10.42	30.08	11.16	9.56
6/6/00 23:26	23.77	1344.10	79.22	1343.48	69.38	58.14	12.47	10.41	30.08	11.16	9.57
6/6/00 23:27	23.78	1344.10	79.22	1343.46	69.38	59.16	12.48	10.51	30.08	11.16	9.56
6/6/00 23:28	23.80	1344.10	79.21	1343.44	69.38	60.07	12.47	10.53	30.08	11.17	9.56
6/6/00 23:30	23.83	1344.10	79.21	1343.43	69.37	58.84	12.47	10.44	30.08	11.16	9.56
6/6/00 23:31	23.85	1344.09	79.21	1343.42	69.37	59.63	12.47	10.49	30.08	11.16	9.56
6/6/00 23:32	23.87	1344.09	79.21	1343.37	69.36	60.52	12.47	10.53	30.08	11.18	9.57
6/6/00 23:33	23.88	1344.09	79.21	1343.38	69.36	60.34	12.46	10.48	30.08	11.19	9.58
6/6/00 23:34	23.90	1344.09	79.20	1343.40	69.36	59.85	12.47	10.49	30.08	11.22	9.57
6/6/00 23:36	23.93	1344.09	79.20	1343.40	69.36	60.57	12.49	10.46	30.08	11.23	9.57
6/6/00 23:37	23.95	1344.09	79.20	1343.39	69.37	58.82	12.46	10.41	30.08	11.23	9.57
6/6/00 23:38	23.97	1344.09	79.20	1343.38	69.37	60.27	12.49	10.50	30.08	11.22	9.57
6/6/00 23:39	23.98	1344.09	79.20	1343.38	69.37	60.15	12.47	10.48	30.07	11.23	9.57
6/6/00 23:42	24.03	1344.01	78.83	1343.38	69.37	59.60	12.49	10.48	30.07	11.21	9.57
6/6/00 23:43	24.05	1343.95	78.48	1343.39	69.37	59.96	12.49	10.45	30.07	11.22	9.57
6/6/00 23:44	24.07	1343.90	78.14	1343.38	69.37	60.90	12.49	10.52	30.07	11.23	9.57
6/6/00 23:45	24.08	1343.76	77.79	1343.38	69.37	60.45	12.49	10.48	30.07	11.23	9.57
6/6/00 23:46	24.10	1344.01	77.44	1343.38	69.37	59.76	12.45	10.46	30.07	11.23	9.57
6/6/00 23:48	24.13	1346.02	77.98	1343.40	69.37	58.46	12.45	10.41	30.07	11.24	9.57
6/6/00 23:49	24.15	1346.26	78.87	1343.41	69.36	59.26	12.50	10.49	30.07	11.23	9.57
6/6/00 23:50	24.17	1345.88	79.76	1343.41	69.36	60.29	12.46	10.48	30.07	11.23	9.57



6/6/00 23:51	24.18	1345.73	80.65	1343.39	69.35	60.11	12.48	10.46	30.06	11.23	9.57
6/6/00 23:52	24.20	1345.71	81.53	1343.39	69.35	59.46	12.44	10.44	30.06	11.25	9.57
6/6/00 23:54	24.23	1345.77	82.77	1343.38	69.35	57.73	12.47	10.42	30.06	11.25	9.57
6/6/00 23:55	24.25	1345.86	83.11	1343.39	69.35	60.05	12.46	10.50	30.06	11.23	9.57
6/6/00 23:56	24.27	1345.92	83.46	1343.41	69.35	59.20	12.46	10.42	30.06	11.24	9.57
6/6/00 23:57	24.28	1345.97	83.81	1343.39	69.34	59.63	12.49	10.51	30.06	11.21	9.57
6/6/00 23:58	24.30	1346.19	84.15	1343.42	69.34	58.94	12.48	10.44	30.06	11.20	9.57
6/7/00 0:00	24.33	1346.42	84.62	1343.43	69.34	59.08	12.45	10.43	30.06	11.20	9.57
6/7/00 0:01	24.35	1346.60	84.75	1343.42	69.34	60.14	12.47	10.49	30.06	11.21	9.57
6/7/00 0:02	24.37	1346.77	84.88	1343.43	69.34	59.31	12.49	10.47	30.04	11.22	9.57
6/7/00 0:03	24.38	1346.74	85.01	1343.44	69.34	61.58	12.49	10.52	30.04	11.24	9.57
6/7/00 0:04	24.40	1346.70	85.13	1343.45	69.34	59.37	12.47	10.40	30.04	11.25	9.57
6/7/00 0:06	24.43	1346.64	85.29	1343.45	69.34	60.14	12.48	10.42	30.04	11.24	9.57
6/7/00 0:07	24.45	1346.64	85.32	1343.44	69.34	59.39	12.46	10.40	30.04	11.18	9.57
6/7/00 0:08	24.47	1346.63	85.34	1343.44	69.34	59.60	12.49	10.47	30.04	11.17	9.56
6/7/00 0:09	24.48	1346.66	85.37	1343.44	69.34	59.28	12.47	10.41	30.04	11.16	9.56
6/7/00 0:10	24.50	1346.84	85.40	1343.44	69.34	59.00	12.47	10.40	30.04	11.16	9.56
6/7/00 0:12	24.53	1346.88	85.42	1343.45	69.34	58.40	12.46	10.41	30.04	11.16	9.56
6/7/00 0:13	24.55	1346.89	85.42	1343.45	69.33	59.34	12.47	10.40	30.04	11.16	9.56
6/7/00 0:14	24.57	1346.91	85.42	1343.46	69.33	59.53	12.47	10.39	30.04	11.16	9.56
6/7/00 0:15	24.58	1346.91	85.42	1343.47	69.33	59.59	12.48	10.44	30.04	11.16	9.56
6/7/00 0:16	24.60	1346.91	85.42	1343.47	69.33	59.50	12.48	10.44	30.04	11.16	9.56
6/7/00 0:18	24.63	1346.90	85.43	1343.48	69.33	60.31	12.47	10.48	30.03	11.16	9.56
6/7/00 0:19	24.65	1346.91	85.43	1343.48	69.33	59.13	12.45	10.40	30.03	11.16	9.56
6/7/00 0:20	24.67	1346.91	85.43	1343.47	69.33	58.71	12.45	10.43	30.03	11.16	9.56
6/7/00 0:21	24.68	1346.91	85.43	1343.47	69.33	59.97	12.45	10.43	30.03	11.16	9.56
6/7/00 0:22	24.70	1346.91	85.43	1343.48	69.33	61.36	12.47	10.48	30.03	11.16	9.56
6/7/00 0:24	24.73	1346.91	85.44	1343.47	69.33	58.32	12.47	10.40	30.03	11.16	9.56
6/7/00 0:25	24.75	1346.91	85.44	1343.47	69.33	60.60	12.45	10.45	30.03	11.16	9.56
6/7/00 0:26	24.77	1346.91	85.45	1343.48	69.33	61.26	12.49	10.48	30.03	11.16	9.56
6/7/00 0:27	24.78	1346.90	85.45	1343.47	69.33	58.38	12.46	10.41	30.03	11.16	9.56
6/7/00 0:28	24.80	1346.90	85.46	1343.47	69.33	59.90	12.49	10.48	30.01	11.16	9.57
6/7/00 0:30	24.83	1346.91	85.46	1343.47	69.33	59.74	12.49	10.45	30.01	11.16	9.56
6/7/00 0:31	24.85	1346.91	85.46	1343.48	69.33	59.56	12.49	10.45	30.01	11.16	9.56
6/7/00 0:32	24.87	1346.91	85.46	1343.48	69.34	60.46	12.48	10.47	30.01	11.16	9.56
6/7/00 0:33	24.88	1346.89	85.47	1343.49	69.34	59.75	12.47	10.40	30.01	11.16	9.56
6/7/00 0:34	24.90	1346.90	85.47	1343.48	69.33	59.83	12.46	10.40	30.01	11.16	9.56
6/7/00 0:36	24.93	1346.89	85.47	1343.48	69.33	60.52	12.49	10.46	30.01	11.16	9.56
6/7/00 0:37	24.95	1346.90	85.47	1343.48	69.33	59.92	12.47	10.48	30.01	11.17	9.56
6/7/00 0:38	24.97	1346.90	85.47	1343.49	69.33	60.25	12.46	10.45	30.00	11.17	9.56
6/7/00 0:39	24.98	1346.89	85.47	1343.48	69.32	59.23	12.48	10.46	30.01	11.16	9.56
6/7/00 0:40	25.00	1346.89	85.47	1343.48	69.32	58.12	12.46	10.41	30.00	11.16	9.56
6/7/00 0:42	25.03	1346.89	85.47	1343.46	69.32	60.26	12.48	10.44	30.00	11.16	9.55
6/7/00 0:43	25.05	1346.90	85.47	1343.48	69.32	58.61	12.47	10.41	30.00	11.16	9.55
6/7/00 0:44	25.07	1346.90	85.46	1343.49	69.31	60.63	12.44	10.40	30.00	11.16	9.55
6/7/00 0:45	25.08	1346.89	85.46	1343.49	69.31	58.57	12.48	10.41	30.00	11.16	9.55
6/7/00 0:46	25.10	1346.89	85.46	1343.49	69.32	59.45	12.45	10.38	30.00	11.16	9.55
6/7/00 0:48	25.13	1346.89	85.46	1343.49	69.32	58.25	12.45	10.40	30.00	11.16	9.55
6/7/00 0:49	25.15	1346.89	85.46	1343.50	69.32	60.66	12.45	10.41	30.00	11.16	9.55
6/7/00 0:50	25.17	1346.89	85.46	1343.49	69.32	58.64	12.46	10.40	30.00	11.16	9.55
6/7/00 0:51	25.18	1346.89	85.46	1343.50	69.32	60.25	12.45	10.44	29.99	11.16	9.55
6/7/00 0:52	25.20	1346.89	85.46	1343.50	69.32	59.82	12.47	10.40	29.99	11.16	9.55
6/7/00 0:54	25.23	1346.89	85.45	1343.50	69.32	60.96	12.49	10.46	29.99	11.16	9.55
6/7/00 0:55	25.25	1346.89	85.45	1343.50	69.32	59.60	12.47	10.42	29.99	11.16	9.56
6/7/00 0:56	25.27	1346.89	85.45	1343.49	69.32	60.05	12.44	10.41	29.99	11.16	9.55
6/7/00 0:57	25.28	1346.89	85.45	1343.49	69.32	60.78	12.48	10.46	29.99	11.17	9.56
6/7/00 0:58	25.30	1346.89	85.45	1343.49	69.32	60.75	12.46	10.46	29.99	11.18	9.55
6/7/00 1:00	25.33	1346.89	85.45	1343.49	69.32	59.20	12.45	10.40	29.99	11.18	9.55
6/7/00 1:01	25.35	1346.88	85.45	1343.50	69.32	59.74	12.45	10.37	29.99	11.17	9.55
6/7/00 1:02	25.37	1346.89	85.45	1343.50	69.33	59.00	12.44	10.38	29.99	11.17	9.55
6/7/00 1:03	25.38	1346.89	85.45	1343.49	69.33	60.40	12.49	10.44	29.99	11.17	9.55
6/7/00 1:04	25.40	1346.89	85.45	1343.50	69.33	59.02	12.44	10.37	29.99	11.16	9.55
6/7/00 1:06	25.43	1346.90	85.45	1343.49	69.33	60.60	12.45	10.41	29.99	11.16	9.55
6/7/00 1:07	25.45	1346.90	85.45	1343.50	69.33	60.00	12.45	10.40	29.99	11.16	9.55
6/7/00 1:08	25.47	1346.89	85.45	1343.50	69.33	60.95	12.47	10.46	29.99	11.16	9.54
6/7/00 1:09	25.48	1346.89	85.45	1343.50	69.33	59.86	12.47	10.40	29.99	11.16	9.55
6/7/00 1:10	25.50	1346.89	85.45	1343.50	69.33	61.18	12.47	10.44	29.97	11.16	9.55
6/7/00 1:12	25.53	1346.89	85.45	1343.49	69.33	58.21	12.46	10.37	29.97	11.16	9.54
6/7/00 1:13	25.55	1346.89	85.45	1343.50	69.33	61.45	12.47	10.46	29.99	11.16	9.54
6/7/00 1:14	25.57	1346.89	85.45	1343.50	69.33	60.19	12.44	10.42	29.99	11.16	9.54
6/7/00 1:15	25.58	1346.89	85.45	1343.49	69.32	59.23	12.43	10.38	29.99	11.16	9.55
6/7/00 1:16	25.60	1346.88	85.44	1343.50	69.32	60.99	12.48	10.45	29.99	11.16	9.54
6/7/00 1:18	25.63	1346.89	85.44	1343.50	69.32	60.66	12.46	10.41	29.97	11.16	9.54
6/7/00 1:19	25.65	1346.89	85.44	1343.50	69.32	59.75	12.48	10.46	29.97	11.16	9.54
6/7/00 1:20	25.67	1346.89	85.44	1343.49	69.32	60.99	12.48	10.46	29.97	11.16	9.54
6/7/00 1:21	25.68	1346.88	85.44	1343.49	69.32	59.31	12.48	10.42	29.97	11.16	9.54
6/7/00 1:22	25.70	1346.88	85.44	1343.48	69.32	59.71	12.45	10.40	29.97	11.16	9.55
6/7/00 1:24	25.73	1346.88	85.44	1343.48	69.31	58.76	12.46	10.38	29.97	11.16	9.55
6/7/00 1:25	25.75	1346.89	85.44	1343.48	69.31	59.71	12.45	10.41	29.97	11.16	9.55
6/7/00 1:26	25.77	1346.88	85.44	1343.49	69.31	59.98	12.47	10.44	29.97	11.16	9.55
6/7/00 1:27	25.78	1346.89	85.44	1343.49	69.31	59.45	12.46	10.38	29.97	11.16	9.55

6/7/00 1:28	25.80	1346.89	85.44	1343.48	69.31	61.01	12.48	10.44	29.97	11.16	9.55
6/7/00 1:30	25.83	1346.89	85.44	1343.49	69.31	60.77	12.47	10.45	29.97	11.16	9.54
6/7/00 1:31	25.85	1346.89	85.44	1343.49	69.31	60.08	12.44	10.40	29.97	11.16	9.54
6/7/00 1:32	25.87	1346.88	85.44	1343.50	69.31	59.81	12.47	10.40	29.97	11.16	9.54
6/7/00 1:33	25.88	1346.88	85.43	1343.50	69.30	59.67	12.47	10.42	29.97	11.16	9.54
6/7/00 1:34	25.90	1346.88	85.43	1343.49	69.30	58.61	12.45	10.36	29.97	11.16	9.54
6/7/00 1:36	25.93	1346.89	85.43	1343.49	69.30	58.90	12.47	10.41	29.97	11.16	9.54
6/7/00 1:37	25.95	1346.88	85.43	1343.49	69.30	60.25	12.46	10.42	29.97	11.16	9.54
6/7/00 1:38	25.97	1346.88	85.43	1343.50	69.30	59.01	12.46	10.37	29.97	11.16	9.54
6/7/00 1:39	25.98	1346.89	85.43	1343.49	69.30	60.11	12.47	10.41	29.97	11.16	9.54
6/7/00 1:40	26.00	1346.88	85.43	1343.49	69.30	61.08	12.45	10.42	29.97	11.16	9.54
6/7/00 1:42	26.03	1346.88	85.43	1343.50	69.30	59.86	12.44	10.36	29.97	11.16	9.54
6/7/00 1:43	26.05	1346.88	85.43	1343.50	69.30	59.08	12.45	10.36	29.97	11.16	9.54
6/7/00 1:44	26.07	1346.88	85.43	1343.50	69.31	61.56	12.46	10.42	29.97	11.16	9.54
6/7/00 1:45	26.08	1346.88	85.43	1343.50	69.31	59.45	12.44	10.36	29.96	11.16	9.54
6/7/00 1:46	26.10	1346.88	85.43	1343.49	69.30	60.05	12.47	10.41	29.97	11.16	9.54
6/7/00 1:48	26.13	1346.88	85.43	1343.49	69.30	58.61	12.44	10.34	29.97	11.16	9.54
6/7/00 1:49	26.15	1346.88	85.43	1343.48	69.30	58.54	12.42	10.36	29.97	11.16	9.54
6/7/00 1:50	26.17	1346.88	85.43	1343.49	69.30	58.84	12.46	10.38	29.97	11.16	9.54
6/7/00 1:51	26.18	1346.88	85.43	1343.49	69.30	61.03	12.42	10.36	29.96	11.16	9.53
6/7/00 1:52	26.20	1346.87	85.43	1343.48	69.30	60.03	12.46	10.41	29.96	11.15	9.53
6/7/00 1:54	26.23	1346.88	85.42	1343.49	69.29	60.75	12.43	10.36	29.96	11.15	9.53
6/7/00 1:55	26.25	1346.87	85.42	1343.49	69.29	60.36	12.45	10.40	29.96	11.15	9.53
6/7/00 1:56	26.27	1346.87	85.42	1343.50	69.29	60.68	12.42	10.39	29.96	11.15	9.53
6/7/00 1:57	26.28	1346.87	85.42	1343.50	69.29	57.27	12.45	10.37	29.96	11.15	9.53
6/7/00 1:58	26.30	1346.87	85.42	1343.50	69.29	58.39	12.47	10.39	29.96	11.15	9.53
6/7/00 2:00	26.33	1346.87	85.42	1343.50	69.29	61.03	12.45	10.40	29.96	11.15	9.53
6/7/00 2:01	26.35	1346.88	85.42	1343.50	69.29	59.67	12.42	10.35	29.96	11.15	9.53
6/7/00 2:02	26.37	1346.88	85.42	1343.49	69.29	61.47	12.42	10.35	29.96	11.15	9.53
6/7/00 2:03	26.38	1346.88	85.42	1343.50	69.30	58.21	12.44	10.35	29.96	11.15	9.53
6/7/00 2:04	26.40	1346.88	85.42	1343.50	69.30	59.72	12.43	10.37	29.96	11.15	9.53
6/7/00 2:06	26.43	1346.87	85.42	1343.50	69.30	61.08	12.44	10.39	29.96	11.15	9.53
6/7/00 2:07	26.45	1346.87	85.42	1343.50	69.30	61.03	12.44	10.39	29.96	11.15	9.52
6/7/00 2:08	26.47	1346.87	85.42	1343.49	69.30	60.09	12.45	10.38	29.96	11.15	9.52
6/7/00 2:09	26.48	1346.87	85.42	1343.50	69.30	58.21	12.44	10.35	29.96	11.15	9.52
6/7/00 2:10	26.50	1346.87	85.42	1343.49	69.30	58.69	12.44	10.35	29.96	11.15	9.53
6/7/00 2:12	26.53	1346.87	85.42	1343.49	69.30	59.90	12.43	10.33	29.96	11.15	9.53
6/7/00 2:13	26.55	1346.87	85.42	1343.49	69.30	59.54	12.42	10.33	29.97	11.15	9.52
6/7/00 2:14	26.57	1346.87	85.42	1343.49	69.29	59.68	12.45	10.36	29.96	11.15	9.53
6/7/00 2:15	26.58	1346.87	85.42	1343.49	69.30	58.71	12.45	10.37	29.97	11.15	9.53
6/7/00 2:16	26.60	1346.87	85.42	1343.50	69.30	59.94	12.46	10.39	29.96	11.15	9.53
6/7/00 2:18	26.63	1346.87	85.41	1343.50	69.30	59.22	12.43	10.34	29.96	11.15	9.52
6/7/00 2:19	26.65	1346.87	85.41	1343.50	69.30	60.19	12.46	10.41	29.96	11.15	9.53
6/7/00 2:20	26.67	1346.86	85.41	1343.50	69.30	58.73	12.42	10.32	29.96	11.15	9.53
6/7/00 2:21	26.68	1346.86	85.41	1343.50	69.30	58.71	12.44	10.35	29.97	11.15	9.52
6/7/00 2:22	26.70	1346.85	85.41	1343.50	69.30	60.96	12.45	10.41	29.97	11.15	9.52
6/7/00 2:24	26.73	1346.86	85.41	1343.49	69.30	60.11	12.46	10.41	29.97	11.15	9.52
6/7/00 2:25	26.75	1346.86	85.41	1343.48	69.29	61.48	12.45	10.40	29.97	11.15	9.52
6/7/00 2:26	26.77	1346.86	85.41	1343.49	69.29	58.79	12.43	10.34	29.97	11.15	9.52
6/7/00 2:27	26.78	1346.85	85.41	1343.49	69.29	60.20	12.43	10.36	29.97	11.15	9.52
6/7/00 2:28	26.80	1346.85	85.41	1343.49	69.29	59.34	12.43	10.35	29.97	11.15	9.52
6/7/00 2:30	26.83	1346.86	85.41	1343.49	69.29	60.66	12.45	10.40	29.97	11.15	9.52
6/7/00 2:31	26.85	1346.86	85.41	1343.49	69.30	60.07	12.41	10.33	29.97	11.15	9.52
6/7/00 2:32	26.87	1346.86	85.41	1343.49	69.30	60.46	12.42	10.34	29.97	11.15	9.52
6/7/00 2:33	26.88	1346.86	85.41	1343.49	69.30	59.16	12.44	10.37	29.97	11.15	9.52
6/7/00 2:34	26.90	1346.86	85.41	1343.49	69.30	59.33	12.42	10.33	29.97	11.15	9.52
6/7/00 2:36	26.93	1346.86	85.41	1343.49	69.30	59.63	12.45	10.40	29.97	11.15	9.52
6/7/00 2:37	26.95	1346.85	85.41	1343.49	69.30	60.03	12.40	10.36	29.97	11.15	9.52
6/7/00 2:38	26.97	1346.85	85.41	1343.49	69.30	59.41	12.41	10.34	29.97	11.15	9.52
6/7/00 2:39	26.98	1346.85	85.41	1343.49	69.30	58.64	12.40	10.34	29.97	11.15	9.52
6/7/00 2:40	27.00	1346.86	85.41	1343.49	69.30	58.54	12.42	10.33	29.97	11.15	9.52
6/7/00 2:42	27.03	1346.85	85.40	1343.49	69.30	59.09	12.45	10.38	29.97	11.15	9.52
6/7/00 2:43	27.05	1346.85	85.40	1343.49	69.30	59.01	12.45	10.37	29.97	11.15	9.52
6/7/00 2:44	27.07	1346.85	85.40	1343.49	69.29	59.34	12.43	10.34	29.99	11.15	9.52
6/7/00 2:45	27.08	1346.85	85.40	1343.48	69.29	57.87	12.43	10.36	29.97	11.15	9.52
6/7/00 2:46	27.10	1346.85	85.40	1343.48	69.29	60.00	12.43	10.40	29.99	11.15	9.52
6/7/00 2:48	27.13	1346.85	85.40	1343.48	69.29	59.15	12.45	10.37	29.99	11.15	9.52
6/7/00 2:49	27.15	1346.85	85.40	1343.48	69.29	59.82	12.41	10.32	29.99	11.15	9.52
6/7/00 2:50	27.17	1346.84	85.40	1343.49	69.29	60.67	12.44	10.38	29.99	11.15	9.52
6/7/00 2:51	27.18	1346.85	85.40	1343.48	69.29	59.79	12.42	10.34	29.99	11.15	9.52
6/7/00 2:52	27.20	1346.84	85.40	1343.48	69.29	59.27	12.40	10.34	29.99	11.14	9.52
6/7/00 2:54	27.23	1346.85	85.39	1343.49	69.29	59.04	12.42	10.32	29.99	11.14	9.52
6/7/00 2:55	27.25	1346.84	85.39	1343.48	69.29	58.72	12.42	10.33	29.99	11.14	9.51
6/7/00 2:56	27.27	1346.85	85.39	1343.48	69.28	59.24	12.44	10.38	30.00	11.14	9.51
6/7/00 2:57	27.28	1346.84	85.39	1343.48	69.29	60.20	12.42	10.33	29.99	11.14	9.51
6/7/00 2:58	27.30	1346.85	85.39	1343.49	69.29	59.16	12.45	10.33	29.99	11.14	9.52
6/7/00 3:00	27.33	1346.85	85.39	1343.49	69.29	59.01	12.42	10.33	30.00	11.14	9.52
6/7/00 3:01	27.35	1346.84	85.39	1343.49	69.29	59.65	12.43	10.34	30.00	11.14	9.52
6/7/00 3:02	27.37	1346.84	85.39	1343.48	69.29	60.75	12.45	10.37	30.00	11.14	9.52
6/7/00 3:03	27.38	1346.84	85.39	1343.49	69.29	59.94	12.43	10.39	30.00	11.14	9.52
6/7/00 3:04	27.40	1346.84	85.39	1343.48	69.29	60.25	12.45	10.37	30.00	11.14	9.52

6/7/00 3:06	27.43	1346.84	85.39	1343.49	69.30	58.13	12.42	10.32	30.00	11.14	9.52
6/7/00 3:07	27.45	1346.84	85.39	1343.49	69.30	59.09	12.43	10.34	30.00	11.14	9.52
6/7/00 3:08	27.47	1346.83	85.39	1343.48	69.30	60.42	12.45	10.39	30.00	11.14	9.52
6/7/00 3:09	27.48	1346.87	85.39	1343.49	69.30	59.68	12.42	10.35	30.00	11.14	9.52
6/7/00 3:10	27.50	1346.92	85.39	1343.48	69.30	58.24	12.41	10.31	30.00	11.14	9.52
6/7/00 3:12	27.53	1346.93	85.39	1343.48	69.30	60.26	12.41	10.35	30.00	11.14	9.52
6/7/00 3:13	27.55	1346.93	85.39	1343.48	69.30	58.93	12.42	10.32	30.00	11.14	9.52
6/7/00 3:14	27.57	1347.01	85.39	1343.48	69.30	58.89	12.44	10.33	30.00	11.14	9.52
6/7/00 3:15	27.58	1347.02	85.39	1343.49	69.30	60.95	12.42	10.38	30.01	11.14	9.52
6/7/00 3:16	27.60	1347.02	85.39	1343.49	69.30	59.09	12.42	10.33	30.00	11.14	9.52
6/7/00 3:18	27.63	1347.02	85.39	1343.48	69.29	59.96	12.45	10.39	30.01	11.14	9.52
6/7/00 3:19	27.65	1347.02	85.39	1343.48	69.29	58.83	12.45	10.36	30.01	11.14	9.52
6/7/00 3:20	27.67	1347.02	85.39	1343.49	69.29	60.88	12.45	10.38	30.01	11.14	9.51
6/7/00 3:21	27.68	1347.02	85.39	1343.49	69.29	60.99	12.44	10.39	30.01	11.14	9.52
6/7/00 3:22	27.70	1347.02	85.39	1343.49	69.29	60.42	12.42	10.37	30.01	11.14	9.52
6/7/00 3:24	27.73	1347.02	85.39	1343.48	69.29	59.08	12.42	10.32	30.01	11.14	9.52
6/7/00 3:25	27.75	1347.02	85.39	1343.48	69.29	58.09	12.43	10.34	30.03	11.14	9.52
6/7/00 3:26	27.77	1347.02	85.39	1343.48	69.30	60.92	12.41	10.36	30.01	11.14	9.52
6/7/00 3:27	27.78	1347.02	85.39	1343.48	69.30	60.09	12.41	10.33	30.03	11.14	9.52
6/7/00 3:28	27.80	1347.01	85.39	1343.48	69.30	58.16	12.43	10.33	30.03	11.14	9.52
6/7/00 3:30	27.83	1347.01	85.39	1343.48	69.30	57.25	12.42	10.31	30.03	11.14	9.52
6/7/00 3:31	27.85	1347.01	85.39	1343.48	69.30	59.83	12.41	10.32	30.03	11.14	9.52
6/7/00 3:32	27.87	1347.01	85.39	1343.48	69.30	61.12	12.40	10.35	30.03	11.14	9.52
6/7/00 3:33	27.88	1347.01	85.39	1343.48	69.30	59.79	12.40	10.33	30.03	11.14	9.52
6/7/00 3:34	27.90	1347.01	85.39	1343.47	69.29	59.56	12.45	10.39	30.03	11.14	9.52
6/7/00 3:36	27.93	1347.01	85.39	1343.47	69.29	60.38	12.45	10.39	30.04	11.14	9.52
6/7/00 3:37	27.95	1347.01	85.39	1343.47	69.29	58.93	12.40	10.33	30.04	11.14	9.52
6/7/00 3:38	27.97	1347.01	85.39	1343.48	69.29	59.22	12.40	10.32	30.04	11.14	9.52
6/7/00 3:39	27.98	1347.00	85.39	1343.48	69.29	60.26	12.45	10.39	30.04	11.14	9.52
6/7/00 3:40	28.00	1347.00	85.39	1343.48	69.29	59.72	12.41	10.37	30.04	11.14	9.52
6/7/00 3:42	28.03	1347.17	85.39	1343.48	69.29	58.19	12.43	10.35	30.04	11.14	9.52
6/7/00 3:43	28.05	1347.16	85.39	1343.48	69.29	59.05	12.42	10.33	30.04	11.14	9.52
6/7/00 3:44	28.07	1347.16	85.39	1343.48	69.29	59.01	12.42	10.32	30.06	11.14	9.53
6/7/00 3:45	28.08	1347.17	85.40	1343.48	69.29	58.17	12.40	10.33	30.06	11.14	9.53
6/7/00 3:46	28.10	1347.17	85.40	1343.48	69.29	59.65	12.45	10.40	30.06	11.14	9.53
6/7/00 3:48	28.13	1347.16	85.40	1343.48	69.29	58.72	12.42	10.33	30.06	11.15	9.53
6/7/00 3:49	28.15	1347.17	85.40	1343.48	69.28	59.54	12.46	10.39	30.06	11.15	9.53
6/7/00 3:50	28.17	1347.15	85.40	1343.48	69.28	59.46	12.42	10.34	30.06	11.15	9.53
6/7/00 3:51	28.18	1347.16	85.40	1343.48	69.28	60.16	12.40	10.35	30.06	11.14	9.53
6/7/00 3:52	28.20	1347.16	85.40	1343.48	69.28	58.94	12.45	10.37	30.07	11.14	9.53
6/7/00 3:54	28.23	1347.16	85.40	1343.47	69.28	60.63	12.45	10.40	30.07	11.14	9.53
6/7/00 3:55	28.25	1347.16	85.40	1343.47	69.28	59.05	12.42	10.35	30.07	11.14	9.53
6/7/00 3:56	28.27	1347.16	85.40	1343.47	69.28	59.52	12.46	10.40	30.07	11.14	9.53
6/7/00 3:57	28.28	1347.16	85.40	1343.48	69.29	60.15	12.42	10.37	30.07	11.14	9.53
6/7/00 3:58	28.30	1347.15	85.40	1343.47	69.29	59.87	12.43	10.38	30.07	11.14	9.53
6/7/00 4:00	28.33	1347.16	85.39	1343.47	69.29	60.42	12.44	10.39	30.07	11.14	9.53
6/7/00 4:01	28.35	1347.15	85.39	1343.47	69.29	59.04	12.45	10.36	30.07	11.14	9.53
6/7/00 4:02	28.37	1347.15	85.39	1343.47	69.29	60.20	12.45	10.42	30.08	11.14	9.53
6/7/00 4:03	28.38	1347.14	85.39	1343.47	69.29	60.27	12.45	10.41	30.08	11.14	9.53
6/7/00 4:04	28.40	1347.14	85.39	1343.47	69.28	58.71	12.44	10.37	30.08	11.14	9.53
6/7/00 4:06	28.43	1347.14	85.39	1343.47	69.28	61.59	12.45	10.40	30.08	11.14	9.53
6/7/00 4:07	28.45	1347.15	85.39	1343.47	69.28	60.18	12.46	10.40	30.08	11.14	9.53
6/7/00 4:08	28.47	1347.15	85.39	1343.47	69.28	60.85	12.45	10.39	30.10	11.14	9.53
6/7/00 4:09	28.48	1347.15	85.39	1343.46	69.28	60.95	12.42	10.37	30.10	11.14	9.53
6/7/00 4:10	28.50	1347.14	85.39	1343.46	69.28	59.37	12.41	10.36	30.10	11.14	9.54
6/7/00 4:12	28.53	1347.14	85.39	1343.46	69.28	60.89	12.45	10.40	30.10	11.14	9.54
6/7/00 4:13	28.55	1347.14	85.39	1343.46	69.28	59.35	12.46	10.40	30.10	11.14	9.54
6/7/00 4:14	28.57	1347.14	85.39	1343.46	69.28	58.54	12.43	10.35	30.11	11.14	9.54
6/7/00 4:15	28.58	1347.13	85.39	1343.46	69.28	60.60	12.43	10.37	30.10	11.14	9.54
6/7/00 4:16	28.60	1347.13	85.39	1343.46	69.28	60.73	12.44	10.40	30.10	11.14	9.54
6/7/00 4:18	28.63	1347.14	85.39	1343.46	69.28	59.09	12.45	10.37	30.11	11.14	9.54
6/7/00 4:19	28.65	1347.13	85.39	1343.46	69.28	59.89	12.42	10.37	30.11	11.14	9.54
6/7/00 4:20	28.67	1347.13	85.39	1343.46	69.29	60.86	12.45	10.41	30.11	11.14	9.54
6/7/00 4:21	28.68	1347.13	85.38	1343.46	69.29	60.70	12.41	10.35	30.11	11.14	9.54
6/7/00 4:22	28.70	1347.13	85.38	1343.46	69.28	60.56	12.46	10.42	30.11	11.14	9.54
6/7/00 4:24	28.73	1345.08	85.31	1343.40	69.28	59.56	12.42	10.36	30.11	11.14	9.54
6/7/00 4:25	28.75	1344.49	85.24	1343.37	69.28	60.03	12.46	10.41	30.12	11.14	9.54
6/7/00 4:26	28.77	1343.96	85.18	1343.30	69.28	57.55	12.45	10.39	30.12	11.14	9.55
6/7/00 4:27	28.78	1343.15	85.11	1343.28	69.28	58.28	12.45	10.39	30.12	11.14	9.55
6/7/00 4:28	28.80	1346.10	85.04	1343.36	69.28	59.27	12.42	10.36	30.12	11.14	9.55
6/7/00 4:30	28.83	1346.77	85.03	1343.40	69.28	58.19	12.46	10.41	30.12	11.14	9.55
6/7/00 4:31	28.85	1346.82	85.10	1343.42	69.28	58.67	12.43	10.37	30.12	11.14	9.55
6/7/00 4:32	28.87	1346.84	85.16	1343.42	69.28	60.31	12.45	10.42	30.12	11.15	9.55
6/7/00 4:33	28.88	1346.83	85.23	1343.43	69.27	59.48	12.43	10.35	30.14	11.15	9.55
6/7/00 4:34	28.90	1346.84	85.29	1343.43	69.27	60.45	12.47	10.41	30.14	11.14	9.55
6/7/00 4:36	28.93	1347.14	85.36	1343.43	69.26	59.26	12.42	10.36	30.14	11.14	9.55
6/7/00 4:37	28.95	1347.16	85.36	1343.43	69.26	59.90	12.46	10.42	30.14	11.14	9.55
6/7/00 4:38	28.97	1347.15	85.36	1343.43	69.25	61.52	12.44	10.40	30.14	11.14	9.55
6/7/00 4:39	28.98	1347.15	85.36	1343.43	69.25	59.98	12.42	10.37	30.14	11.14	9.55
6/7/00 4:40	29.00	1347.15	85.37	1343.43	69.25	59.71	12.44	10.38	30.14	11.14	9.55
6/7/00 4:42	29.03	1347.15	85.37	1343.43	69.25	59.31	12.42	10.37	30.14	11.14	9.55

6/7/00 4:43	29.05	1347.14	85.37	1343.43	69.26	57.75	12.45	10.39	30.14	11.14	9.55
6/7/00 4:44	29.07	1347.14	85.37	1343.42	69.26	59.39	12.45	10.39	30.14	11.14	9.55
6/7/00 4:45	29.08	1347.13	85.37	1343.42	69.26	58.95	12.47	10.42	30.15	11.14	9.55
6/7/00 4:46	29.10	1347.13	85.37	1343.41	69.26	60.90	12.45	10.42	30.15	11.14	9.56
6/7/00 4:48	29.13	1347.13	85.37	1343.41	69.26	58.82	12.47	10.42	30.15	11.14	9.56
6/7/00 4:49	29.15	1347.13	85.36	1343.40	69.26	59.70	12.42	10.39	30.15	11.14	9.56
6/7/00 4:50	29.17	1347.13	85.36	1343.39	69.26	58.97	12.46	10.43	30.15	11.15	9.56
6/7/00 4:51	29.18	1347.15	85.35	1343.37	69.26	59.86	12.47	10.44	30.15	11.14	9.56
6/7/00 4:52	29.20	1347.14	85.35	1343.36	69.26	58.38	12.44	10.36	30.15	11.14	9.56
6/7/00 4:54	29.23	1347.14	85.35	1343.34	69.26	59.48	12.45	10.36	30.17	11.14	9.56
6/7/00 4:55	29.25	1347.14	85.36	1343.33	69.27	59.72	12.47	10.41	30.15	11.14	9.56
6/7/00 4:56	29.27	1347.14	85.37	1343.32	69.27	60.18	12.43	10.40	30.17	11.14	9.56
6/7/00 4:57	29.28	1347.14	85.37	1343.30	69.27	41.81	12.45	10.41	30.15	11.14	9.56
6/7/00 4:58	29.30	1347.14	85.38	1343.29	69.28	40.95	12.45	10.40	30.14	11.14	9.56
6/7/00 5:00	29.33	1347.13	85.39	1343.28	69.28	41.52	12.45	10.40	30.12	11.14	9.56
6/7/00 5:01	29.35	1347.13	85.40	1343.26	69.28	41.39	12.45	10.41	30.12	11.14	9.56
6/7/00 5:02	29.37	1347.13	85.40	1343.25	69.29	35.93	12.45	10.41	30.11	11.14	9.56
6/7/00 5:03	29.38	1347.13	85.41	1343.23	69.30	33.14	12.45	10.41	30.08	11.14	9.56
6/7/00 5:04	29.40	1347.13	85.41	1343.21	69.31	32.46	12.45	10.41	30.08	11.14	9.56
6/7/00 5:06	29.43	1347.13	85.42	1343.20	69.31	32.39	12.45	10.41	30.08	11.14	9.56
6/7/00 5:07	29.45	1347.13	85.42	1343.19	69.32	32.39	12.45	10.41	30.08	11.14	9.56
6/7/00 5:08	29.47	1347.12	85.42	1343.18	69.33	32.38	12.45	10.41	30.08	11.15	9.56
6/7/00 5:09	29.48	1347.12	85.42	1343.13	69.33	32.36	12.45	10.41	30.06	11.15	9.56
6/7/00 5:10	29.50	1347.12	85.42	1343.12	69.34	32.35	12.45	10.41	30.06	11.15	9.56
6/7/00 5:12	29.53	1347.12	85.42	1343.11	69.34	32.34	12.45	10.41	30.04	11.16	9.56
6/7/00 5:13	29.55	1347.12	85.42	1343.10	69.34	32.32	12.45	10.41	30.04	11.16	9.56
6/7/00 5:14	29.57	1347.12	85.42	1343.09	69.34	32.32	12.45	10.41	30.04	11.16	9.57
6/7/00 5:15	29.58	1347.11	85.42	1343.07	69.35	32.31	12.45	10.41	30.04	11.16	9.57
6/7/00 5:16	29.60	1347.11	85.42	1343.06	69.35	32.29	12.45	10.41	30.04	11.16	9.57
6/7/00 5:18	29.63	1347.11	85.42	1343.05	69.35	32.29	12.45	10.42	30.04	11.16	9.57
6/7/00 5:19	29.65	1347.11	85.42	1343.04	69.36	32.28	12.45	10.41	30.04	11.16	9.57
6/7/00 5:20	29.67	1347.11	85.42	1343.03	69.36	32.28	12.45	10.42	30.04	11.16	9.57
6/7/00 5:21	29.68	1347.11	85.42	1343.02	69.37	32.25	12.45	10.42	30.01	11.17	9.57
6/7/00 5:22	29.70	1347.11	85.42	1343.00	69.38	32.25	12.45	10.42	30.01	11.17	9.57
6/7/00 5:24	29.73	1347.10	85.42	1342.99	69.38	32.25	12.45	10.42	30.01	11.17	9.57
6/7/00 5:25	29.75	1347.11	85.42	1342.99	69.39	32.24	12.45	10.41	30.01	11.17	9.57
6/7/00 5:26	29.77	1347.12	85.42	1342.98	69.40	32.24	12.45	10.42	30.01	11.17	9.57
6/7/00 5:27	29.78	1347.11	85.42	1342.96	69.41	32.24	12.45	10.42	30.00	11.17	9.57
6/7/00 5:28	29.80	1347.10	85.41	1342.96	69.42	32.18	12.45	10.42	29.95	11.17	9.57
6/7/00 5:30	29.83	1347.11	85.41	1342.94	69.42	32.17	12.45	10.42	29.95	11.17	9.57
6/7/00 5:31	29.85	1347.11	85.41	1342.94	69.43	32.17	12.45	10.42	29.95	11.17	9.57
6/7/00 5:32	29.87	1347.10	85.41	1342.93	69.43	32.16	12.45	10.42	29.93	11.17	9.57
6/7/00 5:33	29.88	1347.10	85.41	1342.91	69.45	32.16	12.46	10.42	29.93	11.17	9.57
6/7/00 5:34	29.90	1347.10	85.41	1342.91	69.47	32.16	12.46	10.42	29.93	11.16	9.57
6/7/00 5:36	29.93	1347.09	85.41	1342.90	69.48	32.16	12.46	10.42	29.93	11.16	9.57
6/7/00 5:37	29.95	1347.10	85.41	1342.89	69.49	32.16	12.46	10.42	29.93	11.16	9.57
6/7/00 5:38	29.97	1347.10	85.41	1342.89	69.51	32.14	12.46	10.42	29.93	11.16	9.57
6/7/00 5:39	29.98	1347.10	85.41	1342.88	69.54	32.16	12.46	10.42	29.93	11.16	9.57
6/7/00 5:40	30.00	1347.10	85.42	1342.86	69.56	32.14	12.46	10.42	29.93	11.16	9.57
6/7/00 5:42	30.03	1347.10	85.42	1342.86	69.57	32.14	12.46	10.43	29.93	11.16	9.57
6/7/00 5:43	30.05	1347.09	85.41	1342.85	69.59	32.14	12.46	10.42	29.93	11.16	9.57
6/7/00 5:44	30.07	1347.10	85.41	1342.85	69.61	32.14	12.46	10.43	29.93	11.16	9.58
6/7/00 5:45	30.08	1347.09	85.41	1342.83	69.64	32.14	12.47	10.43	29.93	11.16	9.58
6/7/00 5:46	30.10	1347.10	85.41	1342.82	69.65	32.13	12.46	10.43	29.93	11.16	9.58
6/7/00 5:48	30.13	1347.10	85.41	1342.81	69.67	32.13	12.47	10.43	29.92	11.16	9.58
6/7/00 5:49	30.15	1347.10	85.41	1342.80	69.68	32.13	12.47	10.43	29.93	11.16	9.58
6/7/00 5:50	30.17	1347.10	85.41	1342.79	69.69	32.12	12.47	10.43	29.93	11.16	9.58
6/7/00 5:51	30.18	1347.10	85.41	1342.77	69.73	32.12	12.47	10.43	29.92	11.16	9.58
6/7/00 5:52	30.20	1347.09	85.41	1342.76	69.74	32.10	12.47	10.43	29.92	11.16	9.58
6/7/00 5:54	30.23	1347.09	85.41	1342.75	69.76	32.10	12.47	10.43	29.92	11.16	9.58
6/7/00 5:55	30.25	1347.09	85.41	1342.74	69.78	32.09	12.47	10.44	29.92	11.16	9.58
6/7/00 5:56	30.27	1347.09	85.41	1342.73	69.80	32.09	12.47	10.43	29.92	11.16	9.58
6/7/00 5:57	30.28	1347.09	85.41	1342.71	69.84	32.09	12.47	10.43	29.92	11.16	9.58
6/7/00 5:58	30.30	1347.09	85.41	1342.69	69.86	32.09	12.47	10.44	29.92	11.16	9.58
6/7/00 6:00	30.33	1347.10	85.41	1342.68	69.88	32.09	12.47	10.43	29.92	11.16	9.58
6/7/00 6:01	30.35	1347.09	85.41	1342.67	69.90	32.07	12.47	10.44	29.92	11.16	9.59
6/7/00 6:02	30.37	1347.09	85.40	1342.65	69.92	32.07	12.47	10.44	29.92	11.16	9.59
6/7/00 6:03	30.38	1347.09	85.40	1342.63	69.96	32.07	12.47	10.44	29.92	11.16	9.59
6/7/00 6:04	30.40	1347.09	85.40	1342.61	69.98	32.07	12.47	10.44	29.92	11.16	9.58
6/7/00 6:06	30.43	1347.09	85.40	1342.61	70.01	32.06	12.47	10.44	29.92	11.16	9.59
6/7/00 6:07	30.45	1347.09	85.40	1342.61	70.03	32.06	12.47	10.44	29.92	11.16	9.59
6/7/00 6:08	30.47	1347.09	85.40	1342.62	70.05	32.06	12.48	10.44	29.92	11.16	9.59
6/7/00 6:09	30.48	1347.10	85.40	1342.65	70.10	32.06	12.47	10.44	29.92	11.16	9.59
6/7/00 6:10	30.50	1347.10	85.40	1342.66	70.12	32.06	12.48	10.44	29.92	11.16	9.59
6/7/00 6:12	30.53	1347.08	85.40	1342.65	70.14	32.06	12.48	10.44	29.92	11.16	9.59
6/7/00 6:13	30.55	1347.09	85.40	1342.66	70.17	32.05	12.48	10.44	29.92	11.16	9.59
6/7/00 6:14	30.57	1347.09	85.40	1342.64	70.19	32.05	12.48	10.44	29.90	11.16	9.59
6/7/00 6:15	30.58	1347.09	85.40	1342.65	70.24	32.05	12.48	10.44	29.90	11.16	9.59
6/7/00 6:16	30.60	1347.09	85.40	1342.63	70.26	32.03	12.48	10.44	29.90	11.17	9.59
6/7/00 6:18	30.63	1347.09	85.40	1342.63	70.28	32.03	12.48	10.44	29.90	11.17	9.59
6/7/00 6:19	30.65	1347.09	85.40	1342.62	70.31	32.02	12.48	10.44	29.90	11.17	9.59

6/7/00 6:20	30.67	1347.10	85.40	1342.60	70.33	32.02	12.48	10.44	29.90	11.17	9.59
6/7/00 6:21	30.68	1347.10	85.40	1342.57	70.37	32.02	12.48	10.44	29.90	11.17	9.59
6/7/00 6:22	30.70	1347.10	85.40	1342.55	70.40	32.02	12.48	10.44	29.90	11.17	9.59
6/7/00 6:24	30.73	1347.10	85.40	1342.54	70.42	32.01	12.48	10.44	29.90	11.17	9.59
6/7/00 6:25	30.75	1347.10	85.40	1342.54	70.45	32.01	12.48	10.44	29.90	11.17	9.59
6/7/00 6:26	30.77	1347.10	85.40	1342.53	70.47	32.01	12.48	10.44	29.90	11.17	9.59
6/7/00 6:27	30.78	1347.09	85.40	1342.50	70.50	31.99	12.48	10.44	29.90	11.17	9.59
6/7/00 6:28	30.80	1347.09	85.39	1342.49	70.51	31.99	12.48	10.44	29.89	11.17	9.59
6/7/00 6:30	30.83	1347.09	85.39	1342.49	70.52	31.99	12.48	10.44	29.90	11.17	9.59
6/7/00 6:31	30.85	1347.10	85.39	1342.49	70.53	31.99	12.48	10.44	29.89	11.18	9.60
6/7/00 6:32	30.87	1347.10	85.40	1342.49	70.54	31.98	12.48	10.44	29.89	11.18	9.60
6/7/00 6:33	30.88	1347.09	85.40	1342.50	70.56	31.98	12.49	10.45	29.89	11.18	9.60
6/7/00 6:34	30.90	1347.10	85.40	1342.50	70.56	31.98	12.49	10.44	29.89	11.18	9.60
6/7/00 6:36	30.93	1347.10	85.40	1342.49	70.57	31.97	12.49	10.45	29.89	11.18	9.60
6/7/00 6:37	30.95	1347.10	85.39	1342.48	70.57	31.97	12.49	10.45	29.89	11.18	9.60
6/7/00 6:38	30.97	1347.10	85.39	1342.48	70.58	31.97	12.49	10.44	29.89	11.18	9.60
6/7/00 6:39	30.98	1347.10	85.39	1342.47	70.59	31.95	12.49	10.45	29.89	11.18	9.60
6/7/00 6:40	31.00	1347.10	85.39	1342.48	70.59	31.95	12.49	10.45	29.89	11.18	9.60
6/7/00 6:42	31.03	1347.10	85.39	1342.48	70.60	31.95	12.49	10.45	29.89	11.18	9.60
6/7/00 6:43	31.05	1347.10	85.39	1342.48	70.60	31.95	12.49	10.45	29.89	11.18	9.60
6/7/00 6:44	31.07	1347.10	85.39	1342.49	70.60	31.95	12.49	10.44	29.88	11.18	9.60
6/7/00 6:45	31.08	1347.10	85.39	1342.49	70.61	31.94	12.49	10.44	29.88	11.18	9.59
6/7/00 6:46	31.10	1347.09	85.39	1342.48	70.61	31.94	12.49	10.44	29.88	11.18	9.60
6/7/00 6:48	31.13	1347.09	85.39	1342.47	70.61	31.94	12.49	10.44	29.88	11.18	9.60
6/7/00 6:49	31.15	1347.09	85.39	1342.46	70.61	31.92	12.49	10.44	29.88	11.18	9.60
6/7/00 6:50	31.17	1347.09	85.39	1342.46	70.61	31.92	12.49	10.44	29.88	11.18	9.60
6/7/00 6:51	31.18	1347.10	85.39	1342.47	70.62	31.91	12.49	10.44	29.86	11.19	9.60
6/7/00 6:52	31.20	1347.10	85.39	1342.46	70.62	31.91	12.49	10.44	29.86	11.19	9.60
6/7/00 6:54	31.23	1347.11	85.39	1342.45	70.62	31.91	12.49	10.45	29.86	11.19	9.60
6/7/00 6:55	31.25	1347.10	85.39	1342.46	70.62	31.90	12.49	10.44	29.86	11.19	9.60
6/7/00 6:56	31.27	1347.09	85.39	1342.45	70.62	31.88	12.49	10.44	29.86	11.20	9.60
6/7/00 6:57	31.28	1347.10	85.39	1342.46	70.63	31.88	12.49	10.44	29.86	11.19	9.59
6/7/00 6:58	31.30	1347.10	85.39	1342.46	70.63	31.90	12.49	10.44	29.86	11.19	9.59
6/7/00 7:00	31.33	1347.11	85.39	1342.47	70.63	31.90	12.49	10.44	29.85	11.18	9.59
6/7/00 7:01	31.35	1347.10	85.39	1342.48	70.63	31.90	12.49	10.44	29.85	11.18	9.59
6/7/00 7:02	31.37	1347.10	85.39	1342.47	70.63	31.90	12.49	10.44	29.85	11.17	9.59
6/7/00 7:03	31.38	1347.09	85.39	1342.46	70.64	31.88	12.49	10.44	29.85	11.17	9.59
6/7/00 7:04	31.40	1347.10	85.39	1342.44	70.64	31.88	12.49	10.44	29.85	11.17	9.59
6/7/00 7:06	31.43	1347.10	85.39	1342.45	70.64	31.88	12.49	10.44	29.85	11.17	9.59
6/7/00 7:07	31.45	1347.10	85.39	1342.46	70.64	31.88	12.49	10.44	29.85	11.17	9.59
6/7/00 7:08	31.47	1347.10	85.39	1342.44	70.64	31.88	12.49	10.44	29.85	11.17	9.59
6/7/00 7:09	31.48	1347.10	85.39	1342.47	70.65	31.88	12.49	10.44	29.85	11.17	9.59
6/7/00 7:10	31.50	1347.10	85.39	1342.46	70.65	31.88	12.49	10.44	29.84	11.17	9.59
6/7/00 7:12	31.53	1347.10	85.39	1342.46	70.65	31.87	12.49	10.44	29.85	11.17	9.59
6/7/00 7:13	31.55	1347.10	85.39	1342.45	70.65	31.87	12.49	10.44	29.84	11.17	9.59
6/7/00 7:14	31.57	1347.10	85.39	1342.44	70.65	31.87	12.49	10.44	29.84	11.17	9.59
6/7/00 7:15	31.58	1347.11	85.39	1342.43	70.66	31.87	12.49	10.44	29.84	11.17	9.59
6/7/00 7:16	31.60	1347.11	85.39	1342.42	70.66	31.86	12.49	10.44	29.84	11.17	9.59
6/7/00 7:18	31.63	1347.12	85.39	1342.43	70.66	31.86	12.49	10.44	29.84	11.17	9.59
6/7/00 7:19	31.65	1347.11	85.39	1342.43	70.66	31.86	12.49	10.44	29.84	11.17	9.59
6/7/00 7:20	31.67	1347.11	85.39	1342.41	70.66	31.86	12.49	10.44	29.84	11.17	9.59
6/7/00 7:21	31.68	1347.11	85.40	1342.41	70.66	31.84	12.49	10.44	29.82	11.17	9.59
6/7/00 7:22	31.70	1347.11	85.40	1342.40	70.67	31.84	12.49	10.44	29.82	11.17	9.59
6/7/00 7:24	31.73	1347.12	85.40	1342.40	70.67	31.84	12.49	10.44	29.82	11.17	9.59
6/7/00 7:25	31.75	1347.12	85.40	1342.40	70.67	31.84	12.49	10.43	29.82	11.17	9.59
6/7/00 7:26	31.77	1347.12	85.40	1342.40	70.67	31.84	12.49	10.44	29.82	11.16	9.59
6/7/00 7:27	31.78	1347.12	85.40	1342.41	70.68	31.84	12.49	10.43	29.82	11.16	9.59
6/7/00 7:28	31.80	1347.13	85.40	1342.42	70.68	31.83	12.49	10.43	29.82	11.16	9.59
6/7/00 7:30	31.83	1347.13	85.40	1342.42	70.69	31.83	12.49	10.43	29.82	11.16	9.59
6/7/00 7:31	31.85	1347.14	85.40	1342.42	70.69	31.83	12.49	10.44	29.82	11.16	9.59
6/7/00 7:32	31.87	1347.12	85.40	1342.42	70.69	31.83	12.49	10.43	29.81	11.16	9.59
6/7/00 7:33	31.88	1347.12	85.40	1342.41	70.70	31.81	12.49	10.43	29.81	11.16	9.59
6/7/00 7:34	31.90	1347.12	85.40	1342.41	70.70	31.81	12.49	10.43	29.81	11.16	9.59
6/7/00 7:36	31.93	1347.13	85.40	1342.42	70.71	31.81	12.49	10.43	29.81	11.16	9.59
6/7/00 7:37	31.95	1347.12	85.41	1342.41	70.71	31.81	12.49	10.43	29.81	11.16	9.58
6/7/00 7:38	31.97	1347.12	85.41	1342.40	70.71	31.80	12.49	10.43	29.81	11.16	9.58
6/7/00 7:39	31.98	1347.12	85.41	1342.41	70.72	31.80	12.49	10.43	29.79	11.16	9.58
6/7/00 7:40	32.00	1347.12	85.41	1342.41	70.72	31.80	12.49	10.43	29.81	11.16	9.58
6/7/00 7:42	32.03	1347.13	85.41	1342.41	70.72	31.80	12.49	10.42	29.79	11.16	9.58
6/7/00 7:43	32.05	1347.12	85.41	1342.41	70.72	31.80	12.49	10.42	29.79	11.16	9.58
6/7/00 7:44	32.07	1347.12	85.42	1342.40	70.72	31.80	12.49	10.43	29.79	11.16	9.58
6/7/00 7:45	32.08	1347.12	85.42	1342.40	70.73	31.80	12.49	10.43	29.79	11.16	9.58
6/7/00 7:46	32.10	1347.12	85.42	1342.39	70.73	31.80	12.49	10.43	29.79	11.16	9.58
6/7/00 7:48	32.13	1347.12	85.42	1342.39	70.74	31.79	12.49	10.42	29.79	11.16	9.58
6/7/00 7:49	32.15	1347.12	85.42	1342.39	70.74	31.79	12.49	10.42	29.78	11.16	9.58
6/7/00 7:50	32.17	1347.13	85.42	1342.37	70.74	31.79	12.49	10.42	29.79	11.16	9.58
6/7/00 7:51	32.18	1347.12	85.42	1342.36	70.75	31.79	12.49	10.42	29.78	11.16	9.58
6/7/00 7:52	32.20	1347.13	85.42	1342.36	70.75	31.79	12.49	10.42	29.78	11.16	9.58
6/7/00 7:54	32.23	1347.13	85.42	1342.37	70.75	31.79	12.49	10.42	29.78	11.16	9.58
6/7/00 7:55	32.25	1347.13	85.42	1342.38	70.76	31.79	12.49	10.42	29.78	11.16	9.58
6/7/00 7:56	32.27	1347.14	85.42	1342.37	70.76	31.77	12.49	10.42	29.78	11.16	9.58

6/7/00 7:57	32.28	1347.13	85.42	1342.37	70.76	31.77	12.49	10.42	29.78	11.16	9.58
6/7/00 7:58	32.30	1347.13	85.43	1342.37	70.77	31.77	12.49	10.42	29.78	11.16	9.58
6/7/00 8:00	32.33	1347.14	85.43	1342.36	70.77	31.77	12.49	10.42	29.78	11.16	9.58
6/7/00 8:01	32.35	1347.13	85.43	1342.35	70.77	31.77	12.49	10.42	29.77	11.16	9.58
6/7/00 8:02	32.37	1347.13	85.43	1342.34	70.77	31.77	12.49	10.42	29.77	11.16	9.58
6/7/00 8:03	32.38	1347.14	85.43	1342.33	70.78	31.77	12.49	10.42	29.77	11.16	9.58
6/7/00 8:04	32.40	1347.14	85.43	1342.31	70.79	31.77	12.49	10.42	29.77	11.16	9.58
6/7/00 8:06	32.43	1347.13	85.44	1342.32	70.79	31.76	12.49	10.41	29.77	11.16	9.58
6/7/00 8:07	32.45	1347.14	85.44	1342.34	70.80	31.76	12.49	10.42	29.77	11.16	9.58
6/7/00 8:08	32.47	1347.13	85.44	1342.31	70.80	31.76	12.49	10.41	29.75	11.16	9.58
6/7/00 8:09	32.48	1347.13	85.44	1342.32	70.81	31.76	12.49	10.41	29.75	11.16	9.57
6/7/00 8:10	32.50	1347.13	85.44	1342.31	70.81	31.76	12.49	10.41	29.75	11.16	9.57
6/7/00 8:12	32.53	1347.14	85.44	1342.32	70.82	31.76	12.49	10.41	29.75	11.16	9.57
6/7/00 8:13	32.55	1347.13	85.44	1342.33	70.82	31.75	12.49	10.41	29.75	11.16	9.57
6/7/00 8:14	32.57	1347.13	85.44	1342.33	70.83	31.75	12.49	10.41	29.75	11.16	9.57
6/7/00 8:15	32.58	1347.13	85.44	1342.34	70.83	31.75	12.49	10.41	29.75	11.16	9.57
6/7/00 8:16	32.60	1347.12	85.44	1342.33	70.84	31.75	12.49	10.40	29.75	11.16	9.57
6/7/00 8:18	32.63	1347.12	85.44	1342.32	70.84	31.73	12.49	10.40	29.74	11.16	9.57
6/7/00 8:19	32.65	1347.12	85.44	1342.31	70.85	31.73	12.49	10.40	29.74	11.16	9.57
6/7/00 8:20	32.67	1347.12	85.44	1342.31	70.85	31.73	12.49	10.40	29.74	11.16	9.57
6/7/00 8:21	32.68	1347.12	85.44	1342.30	70.86	31.73	12.49	10.40	29.74	11.15	9.57
6/7/00 8:22	32.70	1347.12	85.44	1342.29	70.86	31.73	12.49	10.40	29.74	11.15	9.57
6/7/00 8:24	32.73	1347.12	85.44	1342.31	70.86	31.73	12.49	10.40	29.73	11.15	9.56
6/7/00 8:25	32.75	1347.12	85.45	1342.31	70.87	31.72	12.49	10.40	29.73	11.15	9.56
6/7/00 8:26	32.77	1347.13	85.45	1342.32	70.87	31.72	12.49	10.40	29.73	11.15	9.56
6/7/00 8:27	32.78	1347.12	85.45	1342.30	70.88	31.72	12.49	10.40	29.73	11.15	9.56
6/7/00 8:28	32.80	1347.13	85.45	1342.30	70.89	31.72	12.49	10.40	29.73	11.15	9.56
6/7/00 8:30	32.83	1347.13	85.45	1342.31	70.89	31.79	12.48	10.39	29.84	11.15	9.56
6/7/00 8:31	32.85	1347.13	85.45	1342.30	70.90	31.79	12.48	10.39	29.84	11.15	9.56
6/7/00 8:32	32.87	1347.13	85.45	1342.31	70.90	31.77	12.48	10.39	29.81	11.15	9.56
6/7/00 8:33	32.88	1347.13	85.45	1342.35	70.91	31.79	12.49	10.39	29.81	11.15	9.56
6/7/00 8:34	32.90	1347.13	85.45	1342.34	70.92	31.79	12.48	10.39	29.81	11.15	9.56
6/7/00 8:36	32.93	1347.13	85.45	1342.35	70.93	31.79	12.48	10.39	29.82	11.15	9.56
6/7/00 8:37	32.95	1347.13	85.45	1342.35	70.94	31.79	12.48	10.39	29.81	11.15	9.56
6/7/00 8:38	32.97	1347.13	85.45	1342.34	70.94	31.77	12.48	10.39	29.81	11.16	9.56
6/7/00 8:39	32.98	1347.13	85.45	1342.38	70.96	31.77	12.48	10.39	29.81	11.16	9.56
6/7/00 8:40	33.00	1347.14	85.45	1342.41	70.97	31.76	12.48	10.39	29.81	11.17	9.56
6/7/00 8:42	33.03	1347.14	85.45	1342.41	70.98	31.79	12.48	10.39	29.88	11.18	9.56
6/7/00 8:43	33.05	1347.15	85.45	1342.41	70.99	31.79	12.48	10.39	29.89	11.19	9.56
6/7/00 8:44	33.07	1347.14	85.46	1342.42	71.00	31.76	12.48	10.39	29.89	11.19	9.56
6/7/00 8:45	33.08	1347.15	85.46	1342.40	71.02	31.73	12.48	10.38	29.85	11.20	9.56
6/7/00 8:46	33.10	1347.14	85.46	1342.42	71.02	31.72	12.48	10.38	29.84	11.20	9.56
6/7/00 8:48	33.13	1347.14	85.46	1342.42	71.03	31.72	12.48	10.38	29.84	11.21	9.56
6/7/00 8:49	33.15	1347.14	85.46	1342.43	71.04	31.72	12.48	10.38	29.84	11.21	9.56
6/7/00 8:50	33.17	1347.14	85.46	1342.44	71.04	31.70	12.48	10.38	29.84	11.22	9.56
6/7/00 8:51	33.18	1347.14	85.46	1342.44	71.06	31.70	12.48	10.38	29.84	11.22	9.56
6/7/00 8:52	33.20	1347.15	85.46	1342.43	71.07	31.69	12.48	10.38	29.84	11.22	9.56
6/7/00 8:54	33.23	1347.15	85.46	1342.43	71.08	31.69	12.48	10.38	29.84	11.22	9.56
6/7/00 8:55	33.25	1347.18	85.46	1342.45	71.09	31.69	12.48	10.38	29.84	11.22	9.56
6/7/00 8:56	33.27	1347.20	85.46	1342.46	71.09	31.68	12.48	10.38	29.82	11.22	9.55
6/7/00 8:57	33.28	1347.22	85.46	1342.43	71.11	31.68	12.48	10.37	29.84	11.22	9.55
6/7/00 8:58	33.30	1347.29	85.47	1342.47	71.12	31.68	12.48	10.37	29.84	11.21	9.55
6/7/00 9:00	33.33	1347.30	85.47	1342.47	71.13	31.70	12.48	10.38	29.88	11.22	9.55
6/7/00 9:01	33.35	1347.30	85.47	1342.47	71.14	31.70	12.48	10.37	29.89	11.21	9.55
6/7/00 9:02	33.37	1347.30	85.48	1342.49	71.15	31.70	12.48	10.37	29.89	11.22	9.55
6/7/00 9:03	33.38	1347.30	85.48	1342.46	71.17	31.70	12.47	10.37	29.89	11.22	9.55
6/7/00 9:04	33.40	1347.30	85.48	1342.46	71.18	31.70	12.48	10.37	29.90	11.22	9.55
6/7/00 9:06	33.43	1347.30	85.48	1342.49	71.19	31.70	12.48	10.37	29.92	11.22	9.55
6/7/00 9:07	33.45	1347.30	85.48	1342.50	71.20	31.70	12.48	10.37	29.92	11.22	9.55
6/7/00 9:08	33.47	1347.30	85.48	1342.48	71.21	31.70	12.48	10.37	29.93	11.22	9.55
6/7/00 9:09	33.48	1347.30	85.49	1342.48	71.24	31.70	12.47	10.37	29.93	11.22	9.55
6/7/00 9:10	33.50	1347.31	85.49	1342.47	71.25	31.70	12.48	10.37	29.93	11.23	9.55
6/7/00 9:12	33.53	1347.31	85.48	1342.47	71.27	31.69	12.48	10.37	29.93	11.23	9.55
6/7/00 9:13	33.55	1347.30	85.48	1342.46	71.28	31.68	12.48	10.37	29.93	11.23	9.55
6/7/00 9:14	33.57	1347.30	85.48	1342.46	71.29	31.68	12.48	10.37	29.93	11.25	9.55
6/7/00 9:15	33.58	1347.30	85.47	1342.50	71.32	31.65	12.48	10.37	29.95	11.26	9.55
6/7/00 9:16	33.60	1347.30	85.47	1342.50	71.33	31.65	12.48	10.37	29.95	11.27	9.55
6/7/00 9:18	33.63	1347.31	85.47	1342.50	71.34	31.64	12.48	10.37	29.95	11.27	9.55
6/7/00 9:19	33.65	1347.31	85.47	1342.52	71.35	31.62	12.48	10.37	29.95	11.28	9.55
6/7/00 9:20	33.67	1347.31	85.48	1342.51	71.36	31.62	12.48	10.37	29.95	11.28	9.55
6/7/00 9:21	33.68	1347.31	85.48	1342.50	71.38	31.61	12.48	10.37	29.95	11.27	9.55
6/7/00 9:22	33.70	1347.31	85.48	1342.51	71.40	31.60	12.48	10.37	29.93	11.26	9.55
6/7/00 9:24	33.73	1347.31	85.49	1342.51	71.42	31.60	12.48	10.37	29.93	11.27	9.55
6/7/00 9:25	33.75	1347.32	85.49	1342.50	71.43	31.60	12.48	10.37	29.93	11.26	9.55
6/7/00 9:26	33.77	1347.31	85.49	1342.51	71.45	31.58	12.49	10.37	29.90	11.26	9.55
6/7/00 9:27	33.78	1347.32	85.49	1342.51	71.48	31.58	12.49	10.37	29.90	11.26	9.55
6/7/00 9:28	33.80	1347.32	85.49	1342.51	71.50	31.58	12.49	10.37	29.90	11.27	9.55
6/7/00 9:30	33.83	1347.31	85.49	1342.51	71.51	31.60	12.48	10.37	29.92	11.26	9.55
6/7/00 9:31	33.85	1347.32	85.50	1342.52	71.52	31.58	12.49	10.37	29.92	11.26	9.54
6/7/00 9:32	33.87	1347.32	85.50	1342.50	71.54	31.58	12.48	10.37	29.92	11.26	9.54
6/7/00 9:33	33.88	1347.33	85.50	1342.50	71.56	31.57	12.49	10.37	29.92	11.26	9.54

6/7/00 9:34	33.90	1347.33	85.50	1342.50	71.58	31.57	12.49	10.37	29.90	11.26	9.54
6/7/00 9:36	33.93	1347.32	85.50	1342.49	71.59	31.57	12.49	10.37	29.90	11.26	9.54
6/7/00 9:37	33.95	1347.32	85.50	1342.48	71.61	31.55	12.49	10.37	29.90	11.26	9.54
6/7/00 9:38	33.97	1347.32	85.50	1342.47	71.62	31.55	12.49	10.37	29.90	11.26	9.54
6/7/00 9:39	33.98	1347.32	85.50	1342.45	71.65	31.55	12.49	10.37	29.90	11.26	9.54
6/7/00 9:40	34.00	1347.32	85.50	1342.44	71.66	31.55	12.49	10.37	29.90	11.26	9.54
6/7/00 9:42	34.03	1347.33	85.50	1342.42	71.67	31.54	12.49	10.37	29.90	11.26	9.54
6/7/00 9:43	34.05	1347.32	85.50	1342.41	71.68	31.54	12.49	10.37	29.90	11.26	9.54
6/7/00 9:44	34.07	1347.33	85.50	1342.38	71.70	31.54	12.49	10.37	29.90	11.26	9.54
6/7/00 9:45	34.08	1347.32	85.50	1342.33	71.72	31.53	12.49	10.37	29.90	11.26	9.54
6/7/00 9:46	34.10	1347.33	85.50	1342.31	71.74	31.53	12.49	10.37	29.90	11.26	9.54
6/7/00 9:48	34.13	1347.34	85.50	1342.28	71.75	31.53	12.49	10.37	29.89	11.26	9.54
6/7/00 9:49	34.15	1347.33	85.51	1342.26	71.77	31.51	12.49	10.37	29.88	11.26	9.54
6/7/00 9:50	34.17	1347.34	85.51	1342.23	71.78	31.51	12.50	10.37	29.88	11.26	9.54
6/7/00 9:51	34.18	1347.34	85.51	1342.25	71.81	31.51	12.50	10.37	29.89	11.26	9.54
6/7/00 9:52	34.20	1347.34	85.51	1342.24	71.82	31.51	12.50	10.37	29.89	11.26	9.54
6/7/00 9:54	34.23	1347.34	85.51	1342.26	71.84	31.51	12.50	10.37	29.89	11.26	9.53
6/7/00 9:55	34.25	1347.34	85.52	1342.27	71.85	31.50	12.50	10.36	29.88	11.26	9.53
6/7/00 9:56	34.27	1347.34	85.52	1342.28	71.86	31.49	12.51	10.37	29.85	11.26	9.53
6/7/00 9:57	34.28	1347.35	85.52	1342.33	71.89	31.47	12.51	10.36	29.84	11.26	9.53
6/7/00 9:58	34.30	1347.35	85.52	1342.35	71.91	31.47	12.51	10.37	29.85	11.26	9.53
6/7/00 10:00	34.33	1347.36	85.53	1342.36	71.92	31.47	12.51	10.37	29.85	11.26	9.53
6/7/00 10:01	34.35	1347.35	85.53	1342.37	71.94	31.46	12.51	10.37	29.86	11.26	9.53
6/7/00 10:02	34.37	1347.36	85.53	1342.39	71.95	31.46	12.51	10.37	29.86	11.26	9.53
6/7/00 10:03	34.38	1347.35	85.54	1342.38	71.98	31.46	12.51	10.37	29.86	11.26	9.53
6/7/00 10:04	34.40	1347.36	85.54	1342.38	72.00	31.44	12.51	10.36	29.86	11.26	9.53
6/7/00 10:06	34.43	1347.36	85.55	1342.40	72.01	31.44	12.51	10.36	29.86	11.26	9.53
6/7/00 10:07	34.45	1347.35	85.55	1342.42	72.03	31.44	12.51	10.36	29.86	11.26	9.53
6/7/00 10:08	34.47	1347.36	85.55	1342.39	72.04	31.43	12.51	10.37	29.86	11.26	9.53
6/7/00 10:09	34.48	1347.36	85.55	1342.38	72.06	31.43	12.51	10.37	29.86	11.26	9.52
6/7/00 10:10	34.50	1347.36	85.56	1342.39	72.07	31.43	12.51	10.37	29.85	11.26	9.53
6/7/00 10:12	34.53	1347.36	85.56	1342.39	72.08	31.39	12.51	10.36	29.81	11.26	9.52
6/7/00 10:13	34.55	1347.36	85.57	1342.39	72.09	31.40	12.51	10.37	29.84	11.26	9.52
6/7/00 10:14	34.57	1347.36	85.57	1342.38	72.10	31.40	12.51	10.36	29.85	11.26	9.53
6/7/00 10:15	34.58	1347.36	85.58	1342.37	72.13	31.40	12.51	10.36	29.85	11.26	9.52
6/7/00 10:16	34.60	1347.37	85.58	1342.34	72.14	31.40	12.51	10.37	29.85	11.26	9.52
6/7/00 10:18	34.63	1347.38	85.59	1342.32	72.16	31.40	12.51	10.36	29.85	11.26	9.52
6/7/00 10:19	34.65	1347.37	85.59	1342.30	72.18	31.40	12.51	10.36	29.85	11.26	9.52
6/7/00 10:20	34.67	1347.37	85.60	1342.29	72.19	31.40	12.51	10.37	29.85	11.26	9.52
6/7/00 10:21	34.68	1347.37	85.60	1342.25	72.22	31.40	12.51	10.37	29.84	11.26	9.52
6/7/00 10:22	34.70	1347.37	85.60	1342.19	72.23	31.40	12.51	10.36	29.84	11.26	9.52
6/7/00 10:24	34.73	1347.37	85.61	1342.13	72.25	31.40	12.51	10.36	29.85	11.26	9.52
6/7/00 10:25	34.75	1347.37	85.61	1342.03	72.26	31.40	12.50	10.36	29.85	11.26	9.52
6/7/00 10:26	34.77	1347.37	85.62	1341.95	72.27	31.42	12.50	10.36	29.86	11.25	9.52
6/7/00 10:27	34.78	1347.37	85.62	1341.79	72.30	31.42	12.50	10.36	29.85	11.25	9.52
6/7/00 10:28	34.80	1347.38	85.62	1341.71	72.31	31.40	12.50	10.36	29.85	11.25	9.52
6/7/00 10:30	34.83	1347.38	85.63	1341.66	72.33	31.40	12.49	10.36	29.84	11.25	9.52
6/7/00 10:31	34.85	1347.37	85.63	1341.64	72.34	31.40	12.49	10.36	29.84	11.25	9.52
6/7/00 10:32	34.87	1347.37	85.64	1341.59	72.35	31.40	12.49	10.36	29.84	11.24	9.52
6/7/00 10:33	34.88	1347.38	85.64	1341.62	72.38	31.39	12.49	10.36	29.85	11.24	9.52
6/7/00 10:34	34.90	1347.37	85.65	1341.65	72.40	31.39	12.48	10.37	29.85	11.25	9.52
6/7/00 10:36	34.93	1347.38	85.65	1341.64	72.41	31.40	12.48	10.36	29.85	11.26	9.52
6/7/00 10:37	34.95	1347.38	85.66	1341.65	72.43	31.42	12.48	10.36	29.86	11.26	9.52
6/7/00 10:38	34.97	1347.38	85.66	1341.71	72.45	31.42	12.47	10.36	29.88	11.25	9.52
6/7/00 10:39	34.98	1347.38	85.66	1341.86	72.49	31.42	12.47	10.36	29.88	11.25	9.52
6/7/00 10:40	35.00	1347.38	85.66	1341.87	72.51	31.40	12.47	10.37	29.89	11.24	9.52
6/7/00 10:42	35.03	1347.39	85.66	1341.92	72.53	31.38	12.46	10.36	29.88	11.25	9.52
6/7/00 10:43	35.05	1347.39	85.67	1341.94	72.55	31.39	12.46	10.36	29.86	11.26	9.52
6/7/00 10:44	35.07	1347.38	85.67	1342.00	72.57	31.39	12.46	10.36	29.85	11.26	9.52
6/7/00 10:45	35.08	1347.38	85.67	1341.99	72.62	31.40	12.46	10.36	29.84	11.25	9.51
6/7/00 10:46	35.10	1347.39	85.67	1342.00	72.65	31.40	12.45	10.36	29.84	11.25	9.52
6/7/00 10:48	35.13	1347.39	85.68	1341.98	72.67	31.40	12.45	10.36	29.84	11.25	9.52
6/7/00 10:49	35.15	1347.39	85.68	1342.03	72.70	31.40	12.45	10.37	29.84	11.25	9.52
6/7/00 10:50	35.17	1347.39	85.69	1342.03	72.73	31.39	12.45	10.37	29.84	11.25	9.52
6/7/00 10:51	35.18	1347.39	85.69	1342.00	72.80	31.38	12.45	10.36	29.84	11.24	9.52
6/7/00 10:52	35.20	1347.39	85.70	1341.99	72.84	31.38	12.45	10.37	29.85	11.25	9.52
6/7/00 10:54	35.23	1347.39	85.70	1342.07	72.87	31.38	12.44	10.36	29.85	11.25	9.52
6/7/00 10:55	35.25	1347.40	85.70	1342.10	72.91	31.38	12.44	10.37	29.85	11.24	9.52
6/7/00 10:56	35.27	1347.40	85.71	1342.09	72.95	31.38	12.44	10.37	29.89	11.24	9.52
6/7/00 10:57	35.28	1347.40	85.71	1342.09	73.02	31.39	12.43	10.37	29.90	11.24	9.52
6/7/00 10:58	35.30	1347.39	85.71	1342.10	73.06	31.40	12.43	10.36	29.92	11.25	9.52
6/7/00 11:00	35.33	1347.39	85.71	1342.10	73.09	31.43	12.43	10.37	29.92	11.24	9.51
6/7/00 11:01	35.35	1347.40	85.72	1342.07	73.13	31.44	12.43	10.37	29.92	11.23	9.51
6/7/00 11:02	35.37	1347.40	85.72	1342.11	73.16	31.46	12.43	10.37	29.92	11.24	9.51
6/7/00 11:03	35.38	1347.40	85.72	1342.17	73.23	31.47	12.43	10.37	29.90	11.25	9.52
6/7/00 11:04	35.40	1347.40	85.72	1342.16	73.26	31.46	12.42	10.37	29.89	11.25	9.52
6/7/00 11:06	35.43	1347.40	85.72	1342.14	73.30	31.46	12.42	10.37	29.89	11.24	9.52
6/7/00 11:07	35.45	1347.40	85.73	1342.15	73.33	31.46	12.42	10.37	29.89	11.22	9.52
6/7/00 11:08	35.47	1347.40	85.73	1342.17	73.36	31.44	12.42	10.37	29.89	11.22	9.52
6/7/00 11:09	35.48	1347.41	85.73	1342.18	73.44	31.46	12.42	10.37	29.89	11.22	9.52
6/7/00 11:10	35.50	1347.42	85.73	1342.19	73.49	31.44	12.42	10.37	29.89	11.21	9.52

6/7/00 11:12	35.53	1347.42	85.74	1342.21	73.54	31.42	12.42	10.37	29.89	11.22	9.52
6/7/00 11:13	35.55	1347.41	85.74	1342.21	73.58	31.39	12.42	10.37	29.89	11.24	9.52
6/7/00 11:14	35.57	1347.41	85.74	1342.22	73.63	31.39	12.42	10.37	29.89	11.26	9.52
6/7/00 11:15	35.58	1347.41	85.75	1342.24	73.72	31.40	12.42	10.37	29.89	11.27	9.52
6/7/00 11:16	35.60	1347.41	85.75	1342.26	73.76	31.42	12.42	10.37	29.90	11.26	9.52
6/7/00 11:18	35.63	1347.41	85.76	1342.28	73.80	31.40	12.41	10.37	29.90	11.26	9.52
6/7/00 11:19	35.65	1347.41	85.76	1342.29	73.84	31.36	12.42	10.37	29.89	11.26	9.53
6/7/00 11:20	35.67	1347.41	85.77	1342.30	73.87	31.38	12.42	10.37	29.90	11.25	9.53
6/7/00 11:21	35.68	1347.40	85.77	1342.32	73.94	31.39	12.42	10.37	29.90	11.24	9.53
6/7/00 11:22	35.70	1347.40	85.77	1342.33	73.97	31.38	12.42	10.37	29.90	11.22	9.52
6/7/00 11:24	35.73	1347.41	85.78	1342.34	74.00	31.36	12.41	10.37	29.90	11.23	9.52
6/7/00 11:25	35.75	1347.41	85.79	1342.35	74.03	31.36	12.41	10.37	29.90	11.24	9.53
6/7/00 11:26	35.77	1347.41	85.79	1342.35	74.06	31.35	12.42	10.37	29.90	11.25	9.52
6/7/00 11:27	35.78	1347.41	85.80	1342.36	74.12	31.36	12.42	10.37	29.92	11.25	9.53
6/7/00 11:28	35.80	1347.41	85.80	1342.37	74.14	31.36	12.42	10.38	29.92	11.26	9.53
6/7/00 11:30	35.83	1347.42	85.81	1342.38	74.17	31.36	12.41	10.37	29.92	11.26	9.53
6/7/00 11:31	35.85	1347.42	85.82	1342.39	74.19	31.36	12.41	10.37	29.92	11.26	9.53
6/7/00 11:32	35.87	1347.42	85.82	1342.40	74.22	31.38	12.42	10.38	29.92	11.24	9.53
6/7/00 11:33	35.88	1347.42	85.82	1342.40	74.25	31.36	12.42	10.38	29.92	11.23	9.53
6/7/00 11:34	35.90	1347.42	85.83	1342.40	74.26	31.36	12.41	10.38	29.92	11.23	9.53
6/7/00 11:36	35.93	1347.43	85.83	1342.41	74.28	31.38	12.41	10.38	29.96	11.26	9.53
6/7/00 11:37	35.95	1347.42	85.84	1342.41	74.29	31.38	12.42	10.38	29.97	11.26	9.53
6/7/00 11:38	35.97	1347.42	85.84	1342.41	74.30	31.40	12.42	10.38	29.99	11.26	9.53
6/7/00 11:39	35.98	1347.42	85.84	1342.43	74.32	31.40	12.41	10.38	29.97	11.24	9.53
6/7/00 11:40	36.00	1347.43	85.84	1342.43	74.33	31.38	12.41	10.38	29.95	11.25	9.53
6/7/00 11:42	36.03	1347.43	85.85	1342.44	74.34	31.40	12.41	10.38	29.95	11.23	9.53
6/7/00 11:43	36.05	1347.43	85.85	1342.44	74.34	31.40	12.41	10.38	29.95	11.22	9.53
6/7/00 11:44	36.07	1347.43	85.85	1342.45	74.35	31.42	12.41	10.38	29.95	11.22	9.53
6/7/00 11:45	36.08	1347.43	85.86	1342.45	74.36	31.43	12.41	10.38	29.95	11.22	9.53
6/7/00 11:46	36.10	1347.42	85.86	1342.45	74.36	31.40	12.41	10.38	29.95	11.24	9.53
6/7/00 11:48	36.13	1347.42	85.87	1342.45	74.37	31.39	12.41	10.38	29.95	11.24	9.53
6/7/00 11:49	36.15	1347.43	85.87	1342.45	74.37	31.38	12.41	10.38	29.95	11.22	9.53
6/7/00 11:50	36.17	1347.43	85.87	1342.45	74.37	31.39	12.41	10.39	29.95	11.19	9.52
6/7/00 11:51	36.18	1347.43	85.87	1342.46	74.38	31.36	12.41	10.39	29.95	11.20	9.53
6/7/00 11:52	36.20	1347.43	85.87	1342.47	74.39	31.36	12.41	10.38	29.95	11.21	9.53
6/7/00 11:54	36.23	1347.44	85.88	1342.47	74.40	31.35	12.41	10.39	29.95	11.20	9.53
6/7/00 11:55	36.25	1347.44	85.88	1342.48	74.41	31.36	12.41	10.39	29.95	11.20	9.53
6/7/00 11:56	36.27	1347.43	85.88	1342.48	74.42	31.42	12.41	10.39	29.95	11.20	9.52
6/7/00 11:57	36.28	1347.43	85.88	1342.48	74.42	31.42	12.41	10.39	29.95	11.20	9.53
6/7/00 11:58	36.30	1347.43	85.89	1342.49	74.42	30.88	12.41	10.38	29.96	11.18	9.53
6/7/00 12:00	36.33	1347.43	85.89	1342.49	74.42	31.32	12.41	10.38	29.96	11.17	9.52
6/7/00 12:01	36.35	1347.43	85.89	1342.48	74.42	31.42	12.40	10.39	29.96	11.18	9.53
6/7/00 12:02	36.37	1347.43	85.90	1342.49	74.42	31.43	12.41	10.39	29.96	11.20	9.53
6/7/00 12:03	36.38	1347.43	85.90	1342.49	74.43	31.43	12.41	10.39	29.96	11.21	9.53
6/7/00 12:04	36.40	1347.44	85.90	1342.49	74.43	31.46	12.41	10.39	29.96	11.23	9.53
6/7/00 12:06	36.43	1347.43	85.91	1342.50	74.43	31.46	12.41	10.39	29.96	11.22	9.53
6/7/00 12:07	36.45	1347.44	85.91	1342.50	74.44	31.44	12.41	10.39	29.96	11.20	9.53
6/7/00 12:08	36.47	1347.44	85.92	1342.51	74.44	31.43	12.41	10.40	29.96	11.19	9.53
6/7/00 12:09	36.48	1347.45	85.92	1342.50	74.45	31.44	12.41	10.39	29.96	11.18	9.53
6/7/00 12:10	36.50	1347.45	85.92	1342.50	74.45	31.46	12.41	10.39	29.97	11.18	9.53
6/7/00 12:12	36.53	1347.45	85.93	1342.50	74.45	31.47	12.41	10.40	29.97	11.16	9.54
6/7/00 12:13	36.55	1347.44	85.93	1342.51	74.45	31.47	12.41	10.39	29.97	11.15	9.53
6/7/00 12:14	36.57	1347.44	85.94	1342.51	74.45	31.47	12.41	10.40	29.99	11.15	9.53
6/7/00 12:15	36.58	1347.44	85.94	1342.52	74.45						
6/7/00 12:16	36.60	1347.45	85.95	1342.51	74.45						
6/7/00 12:18	36.63	1347.45	85.96	1342.51	74.45						
6/7/00 12:19	36.65	1347.44	85.96	1342.51	74.45						
6/7/00 12:20	36.67	1347.44	85.96	1342.52	74.45						
6/7/00 12:21	36.68	1347.44	85.96	1342.52	74.45						
6/7/00 12:22	36.70	1347.44	85.97	1342.53	74.45						
6/7/00 12:24	36.73	1347.45	85.98	1342.53	74.45						
6/7/00 12:25	36.75	1347.45	85.98	1342.53	74.45						
6/7/00 12:26	36.77	1347.45	85.99	1342.53	74.44						
6/7/00 12:27	36.78	1347.45	85.99	1342.53	74.44						
6/7/00 12:28	36.80	1347.45	86.00	1342.54	74.45						
6/7/00 12:30	36.83	1347.45	86.01	1342.54	74.45						
6/7/00 12:31	36.85	1347.44	86.01	1342.54	74.45						
6/7/00 12:32	36.87	1347.45	86.01	1342.54	74.45						
6/7/00 12:33	36.88	1347.44	86.02	1342.54	74.45						
6/7/00 12:34	36.90	1347.44	86.02	1342.54	74.44						
6/7/00 12:36	36.93	1347.45	86.03	1342.54	74.44						
6/7/00 12:37	36.95	1347.45	86.03	1342.55	74.44						
6/7/00 12:38	36.97	1347.45	86.04	1342.54	74.43						
6/7/00 12:39	36.98	1347.45	86.04	1342.55	74.43						
6/7/00 12:40	37.00	1347.45	86.05	1342.55	74.44						
6/7/00 12:42	37.03	1347.45	86.06	1342.56	74.44						
6/7/00 12:43	37.05	1347.44	86.06	1342.56	74.44						
6/7/00 12:44	37.07	1347.45	86.06	1342.56	74.45						
6/7/00 12:45	37.08	1347.45	86.07	1342.57	74.45						
6/7/00 12:46	37.10	1347.45	86.07	1342.57	74.45						
6/7/00 12:48	37.13	1347.45	86.08	1342.58	74.45						



6/7/00 12:49	37.15	1347.45	86.08	1342.58	74.45
6/7/00 12:50	37.17	1347.45	86.08	1342.57	74.45
6/7/00 12:51	37.18	1347.45	86.09	1342.59	74.46
6/7/00 12:52	37.20	1347.45	86.09	1342.58	74.46
6/7/00 12:54	37.23	1347.45	86.10	1342.59	74.46
6/7/00 12:55	37.25	1347.45	86.10	1342.59	74.46
6/7/00 12:56	37.27	1347.46	86.11	1342.59	74.46
6/7/00 12:57	37.28	1347.46	86.11	1342.60	74.46
6/7/00 12:58	37.30	1347.46	86.12	1342.59	74.46
6/7/00 13:00	37.33	1347.45	86.12	1342.59	74.45
6/7/00 13:01	37.35	1347.45	86.13	1342.58	74.45
6/7/00 13:02	37.37	1347.45	86.13	1342.59	74.45
6/7/00 13:03	37.38	1347.44	86.13	1342.59	74.44
6/7/00 13:04	37.40	1347.45	86.14	1342.59	74.44
6/7/00 13:06	37.43	1347.45	86.15	1342.59	74.44
6/7/00 13:07	37.45	1347.46	86.15	1342.59	74.44
6/7/00 13:08	37.47	1347.45	86.15	1342.59	74.44
6/7/00 13:09	37.48	1347.46	86.16	1342.59	74.44
6/7/00 13:10	37.50	1347.46	86.16	1342.60	74.44
6/7/00 13:12	37.53	1347.47	86.17	1342.60	74.44
6/7/00 13:13	37.55	1347.47	86.18	1342.60	74.44
6/7/00 13:14	37.57	1347.46	86.18	1342.60	74.44
6/7/00 13:15	37.58	1347.46	86.19	1342.59	74.43
6/7/00 13:16	37.60	1347.46	86.19	1342.58	74.43
6/7/00 13:18	37.63	1347.45	86.20	1342.60	74.42
6/7/00 13:19	37.65	1347.46	86.20	1342.58	74.42
6/7/00 13:20	37.67	1347.46	86.20	1342.58	74.41
6/7/00 13:21	37.68	1347.45	86.21	1342.60	74.41
6/7/00 13:22	37.70	1347.45	86.21	1342.61	74.41
6/7/00 13:24	37.73	1347.46	86.22	1342.61	74.41
6/7/00 13:25	37.75	1347.46	86.22	1342.61	74.41
6/7/00 13:26	37.77	1347.46	86.22	1342.61	74.41
6/7/00 13:27	37.78	1347.46	86.23	1342.60	74.41
6/7/00 13:28	37.80	1347.46	86.23	1342.60	74.41
6/7/00 13:30	37.83	1347.47	86.24	1342.61	74.41
6/7/00 13:31	37.85	1347.46	86.24	1342.60	74.41
6/7/00 13:32	37.87	1347.45	86.24	1342.60	74.40
6/7/00 13:33	37.88	1347.45	86.24	1342.60	74.40
6/7/00 13:34	37.90	1347.45	86.25	1342.59	74.39
6/7/00 13:36	37.93	1347.46	86.25	1342.59	74.39
6/7/00 13:37	37.95	1347.46	86.25	1342.57	74.38
6/7/00 13:38	37.97	1347.45	86.26	1342.58	74.38
6/7/00 13:39	37.98	1347.45	86.26	1342.59	74.37
6/7/00 13:40	38.00	1347.46	86.26	1342.60	74.37
6/7/00 13:42	38.03	1347.47	86.27	1342.60	74.37
6/7/00 13:43	38.05	1347.47	86.27	1342.60	74.37
6/7/00 13:44	38.07	1347.46	86.28	1342.59	74.37
6/7/00 13:45	38.08	1347.46	86.28	1342.61	74.37
6/7/00 13:46	38.10	1347.45	86.29	1342.61	74.37
6/7/00 13:48	38.13	1347.46	86.30	1342.60	74.37
6/7/00 13:49	38.15	1347.46	86.30	1342.59	74.38
6/7/00 13:50	38.17	1347.46	86.30	1342.60	74.38
6/7/00 13:51	38.18	1347.45	86.31	1342.59	74.38
6/7/00 13:52	38.20	1347.46	86.31	1342.59	74.37
6/7/00 13:54	38.23	1347.46	86.31	1342.58	74.37
6/7/00 13:55	38.25	1347.46	86.32	1342.57	74.37
6/7/00 13:56	38.27	1347.46	86.32	1342.60	74.37
6/7/00 13:57	38.28	1347.46	86.32	1342.60	74.37
6/7/00 13:58	38.30	1347.46	86.32	1342.59	74.37
6/7/00 14:00	38.33	1347.45	86.32	1342.60	74.36
6/7/00 14:01	38.35	1347.45	86.33	1342.62	74.36
6/7/00 14:02	38.37	1347.45	86.33	1342.61	74.36
6/7/00 14:03	38.38	1347.45	86.33	1342.61	74.36
6/7/00 14:04	38.40	1347.45	86.33	1342.61	74.37
6/7/00 14:06	38.43	1347.45	86.34	1342.61	74.37
6/7/00 14:07	38.45	1347.44	86.34	1342.61	74.37
6/7/00 14:08	38.47	1347.45	86.35	1342.61	74.37
6/7/00 14:09	38.48	1347.45	86.35	1342.61	74.37
6/7/00 14:10	38.50	1347.46	86.35	1342.60	74.37
6/7/00 14:12	38.53	1347.47	86.36	1342.60	74.36
6/7/00 14:13	38.55	1347.46	86.36	1342.61	74.36
6/7/00 14:14	38.57	1347.46	86.37	1342.61	74.35
6/7/00 14:15	38.58	1347.46	86.37	1342.62	74.35
6/7/00 14:16	38.60	1347.46	86.37	1342.59	74.34
6/7/00 14:18	38.63	1347.45	86.38	1342.59	74.34
6/7/00 14:19	38.65	1347.45	86.38	1342.60	74.33
6/7/00 14:20	38.67	1347.45	86.38	1342.59	74.33
6/7/00 14:21	38.68	1347.46	86.38	1342.60	74.32
6/7/00 14:22	38.70	1347.45	86.38	1342.62	74.32
6/7/00 14:24	38.73	1347.45	86.38	1342.61	74.32
6/7/00 14:25	38.75	1347.45	86.38	1342.60	74.32

6/7/00 14:26	38.77	1347.45	86.38	1342.61	74.32
6/7/00 14:27	38.78	1347.46	86.38	1342.61	74.32
6/7/00 14:28	38.80	1347.45	86.39	1342.61	74.32
6/7/00 14:30	38.83	1347.44	86.39	1342.61	74.32
6/7/00 14:31	38.85	1347.45	86.39	1342.61	74.32
6/7/00 14:32	38.87	1347.44	86.39	1342.61	74.32
6/7/00 14:33	38.88	1347.44	86.39	1342.61	74.31
6/7/00 14:34	38.90	1347.45	86.39	1342.60	74.31
6/7/00 14:36	38.93	1347.44	86.40	1342.60	74.30
6/7/00 14:37	38.95	1347.44	86.40	1342.59	74.30
6/7/00 14:38	38.97	1347.44	86.40	1342.60	74.29
6/7/00 14:39	38.98	1347.45	86.40	1342.61	74.29
6/7/00 14:40	39.00	1347.44	86.40	1342.61	74.29
6/7/00 14:42	39.03	1347.45	86.41	1342.60	74.29
6/7/00 14:43	39.05	1347.45	86.42	1342.60	74.28
6/7/00 14:44	39.07	1347.45	86.42	1342.57	74.28
6/7/00 14:45	39.08	1347.44	86.43	1342.58	74.28
6/7/00 14:46	39.10	1347.44	86.43	1342.59	74.28
6/7/00 14:48	39.13	1347.44	86.44	1342.58	74.27
6/7/00 14:49	39.15	1347.43	86.44	1342.60	74.27
6/7/00 14:50	39.17	1347.44	86.44	1342.58	74.27
6/7/00 14:51	39.18	1347.44	86.45	1342.59	74.26
6/7/00 14:52	39.20	1347.43	86.45	1342.59	74.26
6/7/00 14:54	39.23	1347.43	86.45	1342.60	74.26
6/7/00 14:55	39.25	1347.44	86.46	1342.61	74.25
6/7/00 14:56	39.27	1347.45	86.46	1342.60	74.25
6/7/00 14:57	39.28	1347.45	86.46	1342.61	74.25
6/7/00 14:58	39.30	1347.45	86.47	1342.60	74.25
6/7/00 15:00	39.33	1347.44	86.47	1342.60	74.25
6/7/00 15:01	39.35	1347.43	86.47	1342.57	74.25
6/7/00 15:02	39.37	1347.43	86.48	1342.58	74.25
6/7/00 15:03	39.38	1347.43	86.48	1342.57	74.25
6/7/00 15:04	39.40	1347.44	86.48	1342.57	74.25
6/7/00 15:06	39.43	1347.43	86.49	1342.58	74.24
6/7/00 15:07	39.45	1347.43	86.49	1342.56	74.24
6/7/00 15:08	39.47	1347.43	86.49	1342.57	74.24
6/7/00 15:09	39.48	1347.43	86.49	1342.59	74.23
6/7/00 15:10	39.50	1347.43	86.49	1342.59	74.23
6/7/00 15:12	39.53	1347.44	86.49	1342.60	74.23
6/7/00 15:13	39.55	1347.44	86.50	1342.59	74.23
6/7/00 15:14	39.57	1347.43	86.50	1342.59	74.23
6/7/00 15:15	39.58	1347.43	86.50	1342.57	74.23
6/7/00 15:16	39.60	1347.42	86.51	1342.60	74.23
6/7/00 15:18	39.63	1347.42	86.51	1342.59	74.23
6/7/00 15:19	39.65	1347.42	86.51	1342.55	74.23
6/7/00 15:20	39.67	1347.42	86.52	1342.55	74.23
6/7/00 15:21	39.68	1347.43	86.52	1342.57	74.23
6/7/00 15:22	39.70	1347.42	86.52	1342.58	74.23
6/7/00 15:24	39.73	1347.43	86.52	1342.58	74.23
6/7/00 15:25	39.75	1347.43	86.53	1342.59	74.23
6/7/00 15:26	39.77	1347.42	86.53	1342.58	74.22
6/7/00 15:27	39.78	1347.42	86.53	1342.58	74.22
6/7/00 15:28	39.80	1347.42	86.54	1342.55	74.23
6/7/00 15:30	39.83	1347.41	86.54	1342.56	74.23
6/7/00 15:31	39.85	1347.42	86.55	1342.58	74.23
6/7/00 15:32	39.87	1347.42	86.55	1342.57	74.23
6/7/00 15:33	39.88	1347.41	86.55	1342.57	74.23
6/7/00 15:34	39.90	1347.41	86.56	1342.58	74.22
6/7/00 15:36	39.93	1347.41	86.56	1342.56	74.22
6/7/00 15:37	39.95	1347.42	86.56	1342.55	74.22
6/7/00 15:38	39.97	1347.42	86.56	1342.56	74.22
6/7/00 15:39	39.98	1347.42	86.56	1342.58	74.22
6/7/00 15:40	40.00	1347.41	86.56	1342.57	74.22
6/7/00 15:42	40.03	1347.41	86.56	1342.54	74.22
6/7/00 15:43	40.05	1347.41	86.56	1342.57	74.22
6/7/00 15:44	40.07	1347.41	86.56	1342.59	74.22
6/7/00 15:45	40.08	1347.40	86.56	1342.60	74.23
6/7/00 15:46	40.10	1347.40	86.56	1342.57	74.23
6/7/00 15:48	40.13	1347.40	86.57	1342.56	74.23
6/7/00 15:49	40.15	1347.40	86.57	1342.56	74.24
6/7/00 15:50	40.17	1347.40	86.57	1342.56	74.24
6/7/00 15:51	40.18	1347.41	86.57	1342.56	74.25
6/7/00 15:52	40.20	1347.40	86.56	1342.57	74.24
6/7/00 15:54	40.23	1347.41	86.57	1342.56	74.24
6/7/00 15:55	40.25	1347.40	86.57	1342.56	74.24
6/7/00 15:56	40.27	1347.40	86.57	1342.51	74.24
6/7/00 15:57	40.28	1347.40	86.57	1342.54	74.23
6/7/00 15:58	40.30	1347.40	86.57	1342.53	74.24
6/7/00 16:00	40.33	1347.40	86.57	1342.53	74.24
6/7/00 16:01	40.35	1347.39	86.57	1342.57	74.24
6/7/00 16:02	40.37	1347.40	86.57	1342.56	74.24

6/7/00 16:03	40.38	1347.40	86.57	1342.54	74.23
6/7/00 16:04	40.40	1347.40	86.57	1342.54	74.23
6/7/00 16:06	40.43	1347.41	86.58	1342.53	74.22
6/7/00 16:07	40.45	1347.40	86.58	1342.55	74.21
6/7/00 16:08	40.47	1347.40	86.58	1342.55	74.21
6/7/00 16:09	40.48	1347.39	86.59	1342.52	74.20
6/7/00 16:10	40.50	1347.40	86.59	1342.51	74.19
6/7/00 16:12	40.53	1347.40	86.59	1342.53	74.19
6/7/00 16:13	40.55	1347.39	86.59	1342.55	74.19
6/7/00 16:14	40.57	1347.39	86.60	1342.54	74.18
6/7/00 16:15	40.58	1347.39	86.60	1342.56	74.18
6/7/00 16:16	40.60	1347.38	86.60	1342.56	74.19
6/7/00 16:18	40.63	1347.39	86.60	1342.54	74.19
6/7/00 16:19	40.65	1347.39	86.60	1342.54	74.20
6/7/00 16:20	40.67	1347.39	86.60	1342.55	74.20
6/7/00 16:21	40.68	1347.39	86.60	1342.52	74.21
6/7/00 16:22	40.70	1347.38	86.60	1342.51	74.21
6/7/00 16:24	40.73	1347.38	86.60	1342.53	74.21
6/7/00 16:25	40.75	1347.38	86.60	1342.57	74.21
6/7/00 16:26	40.77	1347.38	86.61	1342.55	74.21
6/7/00 16:27	40.78	1347.38	86.61	1342.53	74.21
6/7/00 16:28	40.80	1347.38	86.61	1342.52	74.21
6/7/00 16:30	40.83	1347.38	86.61	1342.52	74.21
6/7/00 16:31	40.85	1347.38	86.61	1342.54	74.21
6/7/00 16:32	40.87	1347.37	86.62	1342.50	74.21
6/7/00 16:33	40.88	1347.38	86.62	1342.50	74.21
6/7/00 16:34	40.90	1347.38	86.62	1342.51	74.21
6/7/00 16:36	40.93	1347.38	86.62	1342.52	74.21
6/7/00 16:37	40.95	1347.39	86.63	1342.54	74.20
6/7/00 16:38	40.97	1347.37	86.63	1342.54	74.20
6/7/00 16:39	40.98	1347.37	86.63	1342.54	74.20
6/7/00 16:40	41.00	1347.38	86.64	1342.53	74.19
6/7/00 16:42	41.03	1347.38	86.64	1342.53	74.19
6/7/00 16:43	41.05	1347.37	86.64	1342.52	74.18
6/7/00 16:44	41.07	1347.38	86.65	1342.53	74.18
6/7/00 16:45	41.08	1347.37	86.65	1342.55	74.17
6/7/00 16:46	41.10	1347.38	86.65	1342.52	74.17
6/7/00 16:48	41.13	1347.38	86.65	1342.51	74.17
6/7/00 16:49	41.15	1347.38	86.66	1342.52	74.17
6/7/00 16:50	41.17	1347.37	86.66	1342.52	74.17
6/7/00 16:51	41.18	1347.37	86.66	1342.54	74.18
6/7/00 16:52	41.20	1347.38	86.66	1342.55	74.19
6/7/00 16:54	41.23	1347.37	86.67	1342.54	74.19
6/7/00 16:55	41.25	1347.37	86.67	1342.53	74.20
6/7/00 16:56	41.27	1347.37	86.67	1342.53	74.21
6/7/00 16:57	41.28	1347.37	86.67	1342.52	74.21
6/7/00 16:58	41.30	1347.37	86.67	1342.46	74.20
6/7/00 17:00	41.33	1347.37	86.67	1342.43	74.20
6/7/00 17:01	41.35	1347.37	86.67	1342.46	74.19
6/7/00 17:02	41.37	1347.38	86.67	1342.48	74.18
6/7/00 17:03	41.38	1347.37	86.67	1342.54	74.19
6/7/00 17:04	41.40	1347.37	86.67	1342.51	74.20
6/7/00 17:06	41.43	1347.37	86.67	1342.53	74.20
6/7/00 17:07	41.45	1347.36	86.67	1342.53	74.21
6/7/00 17:08	41.47	1347.37	86.67	1342.51	74.22
6/7/00 17:09	41.48	1347.36	86.67	1342.49	74.22
6/7/00 17:10	41.50	1347.36	86.67	1342.47	74.21
6/7/00 17:12	41.53	1347.37	86.67	1342.48	74.21
6/7/00 17:13	41.55	1347.36	86.67	1342.50	74.20
6/7/00 17:14	41.57	1347.37	86.67	1342.53	74.19
6/7/00 17:15	41.58	1347.37	86.67	1342.51	74.19
6/7/00 17:16	41.60	1347.37	86.67	1342.52	74.19
6/7/00 17:18	41.63	1347.37	86.67	1342.53	74.20
6/7/00 17:19	41.65	1347.37	86.67	1342.50	74.20
6/7/00 17:20	41.67	1347.36	86.67	1342.49	74.21
6/7/00 17:21	41.68	1347.36	86.67	1342.52	74.22
6/7/00 17:22	41.70	1347.36	86.67	1342.49	74.23
6/7/00 17:24	41.73	1347.36	86.67	1342.49	74.23
6/7/00 17:25	41.75	1347.36	86.67	1342.51	74.24
6/7/00 17:26	41.77	1347.36	86.67	1342.51	74.24
6/7/00 17:27	41.78	1347.36	86.66	1342.47	74.24
6/7/00 17:28	41.80	1347.35	86.66	1342.49	74.23
6/7/00 17:30	41.83	1347.35	86.66	1342.49	74.22
6/7/00 17:31	41.85	1347.36	86.66	1342.46	74.21
6/7/00 17:32	41.87	1347.35	86.65	1342.46	74.20
6/7/00 17:33	41.88	1347.35	86.65	1342.50	74.19
6/7/00 17:34	41.90	1347.36	86.65	1342.47	74.19
6/7/00 17:36	41.93	1347.36	86.64	1342.46	74.19
6/7/00 17:37	41.95	1347.36	86.64	1342.48	74.19
6/7/00 17:38	41.97	1347.35	86.64	1342.49	74.19
6/7/00 17:39	41.98	1347.35	86.64	1342.49	74.20

6/7/00 17:40	42.00	1347.35	86.63	1342.53	74.20
6/7/00 17:42	42.03	1347.35	86.63	1342.51	74.21
6/7/00 17:43	42.05	1347.36	86.63	1342.48	74.22
6/7/00 17:44	42.07	1347.35	86.63	1342.48	74.23
6/7/00 17:45	42.08	1347.35	86.63	1342.45	74.23
6/7/00 17:46	42.10	1347.34	86.63	1342.44	74.22
6/7/00 17:48	42.13	1347.35	86.62	1342.45	74.21
6/7/00 17:49	42.15	1347.34	86.62	1342.48	74.20
6/7/00 17:50	42.17	1347.34	86.62	1342.49	74.19
6/7/00 17:51	42.18	1347.34	86.62	1342.50	74.18
6/7/00 17:52	42.20	1347.35	86.62	1342.50	74.18
6/7/00 17:54	42.23	1347.36	86.61	1342.50	74.19
6/7/00 17:55	42.25	1347.36	86.61	1342.49	74.19
6/7/00 17:56	42.27	1347.36	86.61	1342.48	74.20
6/7/00 17:57	42.28	1347.35	86.61	1342.50	74.20
6/7/00 17:58	42.30	1347.35	86.61	1342.48	74.19
6/7/00 18:00	42.33	1347.35	86.61	1342.47	74.19
6/7/00 18:01	42.35	1347.34	86.61	1342.46	74.18
6/7/00 18:02	42.37	1347.34	86.61	1342.45	74.18
6/7/00 18:03	42.38	1347.34	86.61	1342.46	74.18
6/7/00 18:04	42.40	1347.34	86.61	1342.45	74.19
6/7/00 18:06	42.43	1347.34	86.61	1342.49	74.19
6/7/00 18:07	42.45	1347.34	86.61	1342.49	74.20
6/7/00 18:08	42.47	1347.34	86.61	1342.49	74.21
6/7/00 18:09	42.48	1347.34	86.61	1342.47	74.21
6/7/00 18:10	42.50	1347.35	86.61	1342.47	74.21
6/7/00 18:12	42.53	1347.34	86.61	1342.47	74.20
6/7/00 18:13	42.55	1347.34	86.61	1342.47	74.20
6/7/00 18:14	42.57	1347.34	86.61	1342.47	74.19
6/7/00 18:15	42.58	1347.34	86.61	1342.46	74.18
6/7/00 18:16	42.60	1347.34	86.61	1342.46	74.18
6/7/00 18:18	42.63	1347.34	86.61	1342.43	74.18
6/7/00 18:19	42.65	1347.34	86.61	1342.45	74.18
6/7/00 18:20	42.67	1347.33	86.61	1342.42	74.18
6/7/00 18:21	42.68	1347.33	86.61	1342.44	74.18
6/7/00 18:22	42.70	1347.33	86.61	1342.45	74.18
6/7/00 18:24	42.73	1347.34	86.61	1342.45	74.18
6/7/00 18:25	42.75	1347.33	86.61	1342.47	74.19
6/7/00 18:26	42.77	1347.34	86.61	1342.47	74.19
6/7/00 18:27	42.78	1347.34	86.61	1342.47	74.19
6/7/00 18:28	42.80	1347.34	86.61	1342.45	74.19
6/7/00 18:30	42.83	1347.34	86.61	1342.47	74.19
6/7/00 18:31	42.85	1347.34	86.61	1342.47	74.19
6/7/00 18:32	42.87	1347.34	86.61	1342.47	74.20
6/7/00 18:33	42.88	1347.33	86.61	1342.48	74.20
6/7/00 18:34	42.90	1347.34	86.61	1342.46	74.20
6/7/00 18:36	42.93	1347.34	86.61	1342.45	74.20
6/7/00 18:37	42.95	1347.33	86.61	1342.47	74.21
6/7/00 18:38	42.97	1347.33	86.61	1342.48	74.21
6/7/00 18:39	42.98	1347.33	86.61	1342.47	74.21
6/7/00 18:40	43.00	1347.34	86.61	1342.46	74.21
6/7/00 18:42	43.03	1347.34	86.61	1342.44	74.21
6/7/00 18:43	43.05	1347.33	86.61	1342.45	74.21
6/7/00 18:44	43.07	1347.33	86.61	1342.45	74.21
6/7/00 18:45	43.08	1347.33	86.61	1342.46	74.21
6/7/00 18:46	43.10	1347.33	86.61	1342.47	74.22
6/7/00 18:48	43.13	1347.34	86.61	1342.48	74.22
6/7/00 18:49	43.15	1347.33	86.61	1342.47	74.22
6/7/00 18:50	43.17	1347.34	86.61	1342.47	74.22
6/7/00 18:51	43.18	1347.34	86.61	1342.47	74.22
6/7/00 18:52	43.20	1347.34	86.61	1342.45	74.23
6/7/00 18:54	43.23	1347.34	86.61	1342.45	74.23
6/7/00 18:55	43.25	1347.34	86.61	1342.47	74.23
6/7/00 18:56	43.27	1347.34	86.61	1342.46	74.24
6/7/00 18:57	43.28	1347.34	86.61	1342.46	74.23
6/7/00 18:58	43.30	1347.33	86.61	1342.44	74.23
6/7/00 19:00	43.33	1347.34	86.61	1342.44	74.22
6/7/00 19:01	43.35	1347.33	86.61	1342.44	74.21
6/7/00 19:02	43.37	1347.33	86.61	1342.45	74.21
6/7/00 19:03	43.38	1347.33	86.61	1342.46	74.20
6/7/00 19:04	43.40	1347.34	86.61	1342.47	74.19
6/7/00 19:06	43.43	1347.33	86.60	1342.45	74.19
6/7/00 19:07	43.45	1347.34	86.60	1342.45	74.19
6/7/00 19:08	43.47	1347.33	86.60	1342.46	74.18
6/7/00 19:09	43.48	1347.34	86.60	1342.48	74.19
6/7/00 19:10	43.50	1347.34	86.60	1342.48	74.19
6/7/00 19:12	43.53	1347.34	86.60	1342.46	74.20
6/7/00 19:13	43.55	1347.33	86.59	1342.46	74.21
6/7/00 19:14	43.57	1347.33	86.59	1342.46	74.22
6/7/00 19:15	43.58	1347.33	86.59	1342.46	74.22
6/7/00 19:16	43.60	1347.33	86.59	1342.47	74.22

6/7/00 19:18	43.63	1347.34	86.59	1342.47	74.22
6/7/00 19:19	43.65	1347.33	86.59	1342.47	74.22
6/7/00 19:20	43.67	1347.33	86.59	1342.47	74.21
6/7/00 19:21	43.68	1347.34	86.59	1342.48	74.21
6/7/00 19:22	43.70	1347.34	86.59	1342.46	74.21
6/7/00 19:24	43.73	1347.35	86.58	1342.47	74.20
6/7/00 19:25	43.75	1347.35	86.58	1342.46	74.20
6/7/00 19:26	43.77	1347.34	86.58	1342.47	74.19
6/7/00 19:27	43.78	1347.34	86.58	1342.47	74.19
6/7/00 19:28	43.80	1347.34	86.58	1342.47	74.20
6/7/00 19:30	43.83	1347.35	86.58	1342.47	74.20
6/7/00 19:31	43.85	1347.34	86.58	1342.47	74.20
6/7/00 19:32	43.87	1347.34	86.58	1342.47	74.21
6/7/00 19:33	43.88	1347.34	86.58	1342.46	74.21
6/7/00 19:34	43.90	1347.35	86.58	1342.47	74.21
6/7/00 19:36	43.93	1347.33	86.58	1342.47	74.21
6/7/00 19:37	43.95	1347.33	86.58	1342.46	74.21
6/7/00 19:38	43.97	1347.33	86.58	1342.47	74.21
6/7/00 19:39	43.98	1347.33	86.58	1342.47	74.21
6/7/00 19:40	44.00	1347.33	86.57	1342.47	74.20
6/7/00 19:42	44.03	1347.34	86.57	1342.46	74.20
6/7/00 19:43	44.05	1347.33	86.57	1342.46	74.20
6/7/00 19:44	44.07	1347.34	86.57	1342.47	74.20
6/7/00 19:45	44.08	1347.34	86.57	1342.46	74.19
6/7/00 19:46	44.10	1347.34	86.57	1342.46	74.19
6/7/00 19:48	44.13	1347.34	86.56	1342.48	74.19
6/7/00 19:49	44.15	1347.33	86.56	1342.47	74.18
6/7/00 19:50	44.17	1347.34	86.56	1342.46	74.18
6/7/00 19:51	44.18	1347.34	86.56	1342.48	74.18
6/7/00 19:52	44.20	1347.34	86.56	1342.45	74.18
6/7/00 19:54	44.23	1347.35	86.56	1342.48	74.18
6/7/00 19:55	44.25	1347.34	86.55	1342.47	74.18
6/7/00 19:56	44.27	1347.34	86.55	1342.49	74.18
6/7/00 19:57	44.28	1347.35	86.55	1342.49	74.18
6/7/00 19:58	44.30	1347.34	86.55	1342.50	74.18
6/7/00 20:00	44.33	1347.35	86.54	1342.49	74.18
6/7/00 20:01	44.35	1347.35	86.54	1342.48	74.19
6/7/00 20:02	44.37	1347.35	86.54	1342.48	74.19
6/7/00 20:03	44.38	1347.35	86.54	1342.49	74.19
6/7/00 20:04	44.40	1347.35	86.54	1342.49	74.19
6/7/00 20:06	44.43	1347.34	86.53	1342.49	74.19
6/7/00 20:07	44.45	1347.34	86.53	1342.48	74.19
6/7/00 20:08	44.47	1347.35	86.53	1342.47	74.19
6/7/00 20:09	44.48	1347.35	86.53	1342.47	74.19
6/7/00 20:10	44.50	1347.35	86.52	1342.46	74.19
6/7/00 20:12	44.53	1347.35	86.52	1342.46	74.18
6/7/00 20:13	44.55	1347.35	86.52	1342.48	74.18
6/7/00 20:14	44.57	1347.35	86.51	1342.48	74.18
6/7/00 20:15	44.58	1347.35	86.51	1342.49	74.17
6/7/00 20:16	44.60	1347.35	86.51	1342.50	74.17
6/7/00 20:18	44.63	1347.35	86.51	1342.49	74.18
6/7/00 20:19	44.65	1347.36	86.51	1342.49	74.18
6/7/00 20:20	44.67	1347.35	86.50	1342.49	74.18
6/7/00 20:21	44.68	1347.35	86.50	1342.49	74.18
6/7/00 20:22	44.70	1347.35	86.50	1342.49	74.18
6/7/00 20:24	44.73	1347.36	86.50	1342.49	74.18
6/7/00 20:25	44.75	1347.35	86.49	1342.48	74.18
6/7/00 20:26	44.77	1347.35	86.49	1342.48	74.18
6/7/00 20:27	44.78	1347.35	86.49	1342.50	74.17
6/7/00 20:28	44.80	1347.35	86.49	1342.48	74.17
6/7/00 20:30	44.83	1347.36	86.48	1342.48	74.17
6/7/00 20:31	44.85	1347.36	86.48	1342.50	74.17
6/7/00 20:32	44.87	1347.36	86.48	1342.50	74.17
6/7/00 20:33	44.88	1347.36	86.48	1342.51	74.17
6/7/00 20:34	44.90	1347.36	86.47	1342.50	74.17
6/7/00 20:36	44.93	1347.37	86.47	1342.50	74.17
6/7/00 20:37	44.95	1347.37	86.47	1342.50	74.17
6/7/00 20:38	44.97	1347.37	86.46	1342.52	74.17
6/7/00 20:39	44.98	1347.37	86.46	1342.51	74.18
6/7/00 20:40	45.00	1347.36	86.46	1342.50	74.18
6/7/00 20:42	45.03	1347.37	86.45	1342.50	74.18
6/7/00 20:43	45.05	1347.36	86.45	1342.52	74.18
6/7/00 20:44	45.07	1347.36	86.45	1342.51	74.18
6/7/00 20:45	45.08	1347.36	86.45	1342.50	74.18
6/7/00 20:46	45.10	1347.36	86.45	1342.50	74.18
6/7/00 20:48	45.13	1347.37	86.44	1342.51	74.18
6/7/00 20:49	45.15	1347.36	86.44	1342.50	74.18
6/7/00 20:50	45.17	1347.36	86.44	1342.49	74.18
6/7/00 20:51	45.18	1347.37	86.43	1342.52	74.18
6/7/00 20:52	45.20	1347.36	86.43	1342.52	74.18
6/7/00 20:54	45.23	1347.38	86.43	1342.52	74.19

6/7/00 20:55	45.25	1347.37	86.43	1342.52	74.19
6/7/00 20:56	45.27	1347.38	86.42	1342.51	74.19
6/7/00 20:57	45.28	1347.38	86.42	1342.51	74.19
6/7/00 20:58	45.30	1347.39	86.42	1342.51	74.19
6/7/00 21:00	45.33	1347.39	86.42	1342.49	74.18
6/7/00 21:01	45.35	1347.39	86.41	1342.48	74.18
6/7/00 21:02	45.37	1347.38	86.41	1342.51	74.18
6/7/00 21:03	45.38	1347.38	86.41	1342.51	74.17
6/7/00 21:04	45.40	1347.38	86.41	1342.53	74.17
6/7/00 21:06	45.43	1347.38	86.40	1342.53	74.17
6/7/00 21:07	45.45	1347.38	86.40	1342.53	74.17
6/7/00 21:08	45.47	1347.38	86.40	1342.52	74.17
6/7/00 21:09	45.48	1347.38	86.40	1342.52	74.17
6/7/00 21:10	45.50	1347.38	86.39	1342.53	74.17
6/7/00 21:12	45.53	1347.39	86.39	1342.53	74.17
6/7/00 21:13	45.55	1347.38	86.39	1342.51	74.17
6/7/00 21:14	45.57	1347.38	86.39	1342.53	74.18
6/7/00 21:15	45.58	1347.38	86.39	1342.52	74.18
6/7/00 21:16	45.60	1347.38	86.38	1342.53	74.18
6/7/00 21:18	45.63	1347.39	86.38	1342.52	74.18
6/7/00 21:19	45.65	1347.39	86.38	1342.52	74.18
6/7/00 21:20	45.67	1347.39	86.38	1342.53	74.18
6/7/00 21:21	45.68	1347.39	86.38	1342.52	74.18
6/7/00 21:22	45.70	1347.40	86.37	1342.53	74.18
6/7/00 21:24	45.73	1347.40	86.37	1342.54	74.18
6/7/00 21:25	45.75	1347.41	86.37	1342.53	74.18
6/7/00 21:26	45.77	1347.40	86.37	1342.52	74.18
6/7/00 21:27	45.78	1347.41	86.37	1342.50	74.17
6/7/00 21:28	45.80	1347.41	86.37	1342.51	74.17
6/7/00 21:30	45.83	1347.40	86.37	1342.54	74.17
6/7/00 21:31	45.85	1347.40	86.37	1342.54	74.17
6/7/00 21:32	45.87	1347.41	86.36	1342.54	74.17
6/7/00 21:33	45.88	1347.41	86.36	1342.54	74.17
6/7/00 21:34	45.90	1347.40	86.36	1342.55	74.17
6/7/00 21:36	45.93	1347.41	86.36	1342.56	74.17
6/7/00 21:37	45.95	1347.40	86.35	1342.55	74.17
6/7/00 21:38	45.97	1347.40	86.35	1342.56	74.17
6/7/00 21:39	45.98	1347.40	86.35	1342.55	74.17
6/7/00 21:40	46.00	1347.41	86.34	1342.56	74.17
6/7/00 21:42	46.03	1347.41	86.34	1342.55	74.17
6/7/00 21:43	46.05	1347.41	86.34	1342.54	74.17
6/7/00 21:44	46.07	1347.42	86.34	1342.54	74.18
6/7/00 21:45	46.08	1347.43	86.33	1342.55	74.18
6/7/00 21:46	46.10	1347.42	86.33	1342.55	74.18
6/7/00 21:48	46.13	1347.43	86.33	1342.53	74.18
6/7/00 21:49	46.15	1347.42	86.32	1342.53	74.18
6/7/00 21:50	46.17	1347.41	86.32	1342.53	74.18
6/7/00 21:51	46.18	1347.42	86.32	1342.56	74.18
6/7/00 21:52	46.20	1347.42	86.32	1342.55	74.18
6/7/00 21:54	46.23	1347.42	86.31	1342.57	74.18
6/7/00 21:55	46.25	1347.42	86.31	1342.56	74.18
6/7/00 21:56	46.27	1347.42	86.31	1342.57	74.18
6/7/00 21:57	46.28	1347.42	86.31	1342.57	74.18
6/7/00 21:58	46.30	1347.42	86.31	1342.57	74.18
6/7/00 22:00	46.33	1347.42	86.30	1342.57	74.18
6/7/00 22:01	46.35	1347.42	86.30	1342.57	74.18
6/7/00 22:02	46.37	1347.43	86.30	1342.55	74.18
6/7/00 22:03	46.38	1347.43	86.29	1342.55	74.18
6/7/00 22:04	46.40	1347.43	86.29	1342.57	74.17
6/7/00 22:06	46.43	1347.43	86.28	1342.56	74.17
6/7/00 22:07	46.45	1347.44	86.28	1342.58	74.17
6/7/00 22:08	46.47	1347.43	86.27	1342.59	74.17
6/7/00 22:09	46.48	1347.43	86.27	1342.58	74.17
6/7/00 22:10	46.50	1347.43	86.27	1342.57	74.17
6/7/00 22:12	46.53	1347.44	86.26	1342.58	74.16
6/7/00 22:13	46.55	1347.44	86.26	1342.58	74.16
6/7/00 22:14	46.57	1347.44	86.26	1342.57	74.16
6/7/00 22:15	46.58	1347.45	86.26	1342.58	74.16
6/7/00 22:16	46.60	1347.44	86.26	1342.58	74.16
6/7/00 22:18	46.63	1347.45	86.25	1342.56	74.16
6/7/00 22:19	46.65	1347.44	86.25	1342.59	74.17
6/7/00 22:20	46.67	1347.44	86.25	1342.59	74.17
6/7/00 22:21	46.68	1347.44	86.24	1342.59	74.17
6/7/00 22:22	46.70	1347.44	86.24	1342.58	74.17
6/7/00 22:24	46.73	1347.45	86.24	1342.59	74.17
6/7/00 22:25	46.75	1347.45	86.24	1342.60	74.17
6/7/00 22:26	46.77	1347.45	86.24	1342.60	74.16
6/7/00 22:27	46.78	1347.45	86.24	1342.60	74.16
6/7/00 22:28	46.80	1347.45	86.24	1342.58	74.15
6/7/00 22:30	46.83	1347.45	86.24	1342.58	74.15
6/7/00 22:31	46.85	1347.45	86.24	1342.58	74.14

6/7/00 22:32	46.87	1347.45	86.24	1342.61	74.14
6/7/00 22:33	46.88	1347.46	86.24	1342.60	74.13
6/7/00 22:34	46.90	1347.45	86.24	1342.60	74.14
6/7/00 22:36	46.93	1347.46	86.23	1342.60	74.14
6/7/00 22:37	46.95	1347.46	86.23	1342.60	74.14
6/7/00 22:38	46.97	1347.46	86.23	1342.61	74.15
6/7/00 22:39	46.98	1347.46	86.22	1342.61	74.15
6/7/00 22:40	47.00	1347.46	86.22	1342.60	74.15
6/7/00 22:42	47.03	1347.45	86.22	1342.60	74.15
6/7/00 22:43	47.05	1347.46	86.21	1342.62	74.15
6/7/00 22:44	47.07	1347.46	86.21	1342.63	74.15
6/7/00 22:45	47.08	1347.46	86.21	1342.62	74.15
6/7/00 22:46	47.10	1347.46	86.21	1342.62	74.15
6/7/00 22:48	47.13	1347.47	86.20	1342.62	74.16
6/7/00 22:49	47.15	1347.47	86.20	1342.62	74.16
6/7/00 22:50	47.17	1347.47	86.20	1342.62	74.17
6/7/00 22:51	47.18	1347.48	86.20	1342.60	74.17
6/7/00 22:52	47.20	1347.48	86.19	1342.61	74.16
6/7/00 22:54	47.23	1347.48	86.19	1342.61	74.15
6/7/00 22:55	47.25	1347.47	86.19	1342.60	74.15
6/7/00 22:56	47.27	1347.47	86.19	1342.61	74.14
6/7/00 22:57	47.28	1347.47	86.19	1342.61	74.14
6/7/00 22:58	47.30	1347.48	86.19	1342.61	74.14
6/7/00 23:00	47.33	1347.48	86.18	1342.64	74.14
6/7/00 23:01	47.35	1347.47	86.18	1342.64	74.14
6/7/00 23:02	47.37	1347.47	86.18	1342.63	74.14
6/7/00 23:03	47.38	1347.47	86.17	1342.64	74.14
6/7/00 23:04	47.40	1347.48	86.17	1342.62	74.14
6/7/00 23:06	47.43	1347.49	86.17	1342.61	74.13
6/7/00 23:07	47.45	1347.49	86.17	1342.62	74.13
6/7/00 23:08	47.47	1347.48	86.17	1342.63	74.13
6/7/00 23:09	47.48	1347.49	86.17	1342.63	74.13
6/7/00 23:10	47.50	1347.49	86.17	1342.64	74.14
6/7/00 23:12	47.53	1347.49	86.16	1342.64	74.15
6/7/00 23:13	47.55	1347.49	86.16	1342.64	74.15
6/7/00 23:14	47.57	1347.48	86.16	1342.63	74.16
6/7/00 23:15	47.58	1347.48	86.16	1342.64	74.17
6/7/00 23:16	47.60	1347.49	86.15	1342.64	74.16
6/7/00 23:18	47.63	1347.49	86.15	1342.63	74.16
6/7/00 23:19	47.65	1347.49	86.15	1342.63	74.16
6/7/00 23:20	47.67	1347.50	86.15	1342.65	74.16
6/7/00 23:21	47.68	1347.50	86.15	1342.65	74.16
6/7/00 23:22	47.70	1347.50	86.15	1342.66	74.16
6/7/00 23:24	47.73	1347.51	86.15	1342.65	74.17
6/7/00 23:25	47.75	1347.50	86.14	1342.65	74.17
6/7/00 23:26	47.77	1347.50	86.14	1342.63	74.17
6/7/00 23:27	47.78	1347.51	86.14	1342.64	74.17
6/7/00 23:28	47.80	1347.50	86.14	1342.64	74.16
6/7/00 23:30	47.83	1347.50	86.14	1342.64	74.16
6/7/00 23:31	47.85	1347.51	86.14	1342.63	74.16
6/7/00 23:32	47.87	1347.51	86.13	1342.65	74.15
6/7/00 23:33	47.88	1347.50	86.13	1342.66	74.15
6/7/00 23:34	47.90	1347.50	86.13	1342.65	74.15
6/7/00 23:36	47.93	1347.50	86.13	1342.65	74.15
6/7/00 23:37	47.95	1347.50	86.12	1342.67	74.15
6/7/00 23:38	47.97	1347.52	86.12	1342.67	74.15
6/7/00 23:39	47.98	1347.52	86.12	1342.66	74.14
6/7/00 23:40	48.00	1347.51	86.12	1342.66	74.14
6/7/00 23:42	48.03	1347.51	86.11	1342.65	74.14
6/7/00 23:43	48.05	1347.51	86.11	1342.66	74.14
6/7/00 23:44	48.07	1347.51	86.11	1342.66	74.14
6/7/00 23:45	48.08	1347.52	86.11	1342.66	74.14
6/7/00 23:46	48.10	1347.51	86.11	1342.66	74.14
6/7/00 23:48	48.13	1347.52	86.10	1342.67	74.14
6/7/00 23:49	48.15	1347.51	86.10	1342.66	74.14
6/7/00 23:50	48.17	1347.51	86.10	1342.67	74.14
6/7/00 23:51	48.18	1347.52	86.10	1342.67	74.14
6/7/00 23:52	48.20	1347.52	86.09	1342.68	74.14
6/7/00 23:54	48.23	1347.51	86.09	1342.68	74.14
6/7/00 23:55	48.25	1347.52	86.09	1342.67	74.14
6/7/00 23:56	48.27	1347.51	86.09	1342.68	74.14
6/7/00 23:57	48.28	1347.52	86.09	1342.68	74.14
6/7/00 23:58	48.30	1347.51	86.09	1342.68	74.14
6/8/00 0:00	48.33	1347.52	86.08	1342.67	74.13
6/8/00 0:01	48.35	1347.52	86.08	1342.67	74.13
6/8/00 0:02	48.37	1347.51	86.08	1342.65	74.13
6/8/00 0:03	48.38	1347.51	86.08	1342.68	74.13
6/8/00 0:04	48.40	1347.52	86.07	1342.66	74.13
6/8/00 0:06	48.43	1347.52	86.07	1342.68	74.13
6/8/00 0:07	48.45	1347.52	86.07	1342.67	74.13
6/8/00 0:08	48.47	1347.53	86.07	1342.68	74.13

6/8/00 0:09	48.48	1347.53	86.07	1342.69	74.13
6/8/00 0:10	48.50	1347.53	86.07	1342.69	74.14
6/8/00 0:12	48.53	1347.53	86.07	1342.68	74.14
6/8/00 0:13	48.55	1347.53	86.06	1342.69	74.15
6/8/00 0:14	48.57	1347.53	86.06	1342.69	74.15
6/8/00 0:15	48.58	1347.53	86.06	1342.70	74.16
6/8/00 0:16	48.60	1347.53	86.06	1342.69	74.16
6/8/00 0:18	48.63	1347.49	86.05	1342.68	74.16
6/8/00 0:19	48.65	1346.38	86.04	1342.69	74.16
6/8/00 0:20	48.67	1345.88	86.04	1342.66	74.16
6/8/00 0:21	48.68	1345.78	86.03	1342.67	74.16
6/8/00 0:22	48.70	1345.70	86.02	1342.66	74.16
6/8/00 0:24	48.73	1345.60	86.00	1342.66	74.16
6/8/00 0:25	48.75	1345.59	85.99	1342.66	74.16
6/8/00 0:26	48.77	1345.58	85.98	1342.64	74.16
6/8/00 0:27	48.78	1345.51	85.96	1342.65	74.15
6/8/00 0:28	48.80	1345.09	85.95	1342.64	74.15
6/8/00 0:30	48.83	1344.54	85.94	1342.61	74.15
6/8/00 0:31	48.85	1344.51	85.95	1342.62	74.15
6/8/00 0:32	48.87	1344.50	85.95	1342.62	74.15
6/8/00 0:33	48.88	1344.49	85.95	1342.63	74.15
6/8/00 0:34	48.90	1344.50	85.96	1342.61	74.15
6/8/00 0:36	48.93	1344.48	85.96	1342.61	74.15
6/8/00 0:37	48.95	1344.47	85.95	1342.61	74.15
6/8/00 0:38	48.97	1344.46	85.95	1342.62	74.15
6/8/00 0:39	48.98	1344.45	85.95	1342.63	74.15
6/8/00 0:40	49.00	1344.45	85.95	1342.61	74.15
6/8/00 0:42	49.03	1344.43	85.94	1342.60	74.15
6/8/00 0:43	49.05	1344.42	85.93	1342.60	74.16
6/8/00 0:44	49.07	1344.42	85.92	1342.59	74.16
6/8/00 0:45	49.08	1344.42	85.91	1342.59	74.16
6/8/00 0:46	49.10	1344.41	85.91	1342.58	74.16
6/8/00 0:48	49.13	1344.41	85.89	1342.58	74.16
6/8/00 0:49	49.15	1344.41	85.89	1342.58	74.16
6/8/00 0:50	49.17	1344.40	85.89	1342.59	74.16
6/8/00 0:51	49.18	1344.40	85.88	1342.58	74.16
6/8/00 0:52	49.20	1344.40	85.88	1342.59	74.15
6/8/00 0:54	49.23	1344.39	85.87	1342.58	74.15
6/8/00 0:55	49.25	1344.39	85.87	1342.58	74.15
6/8/00 0:56	49.27	1344.39	85.86	1342.58	74.15
6/8/00 0:57	49.28	1344.39	85.86	1342.56	74.14
6/8/00 0:58	49.30	1344.39	85.85	1342.56	74.14
6/8/00 1:00	49.33	1344.36	85.84	1342.55	74.14
6/8/00 1:01	49.35	1344.37	85.84	1342.55	74.13
6/8/00 1:02	49.37	1344.36	85.83	1342.56	74.13
6/8/00 1:03	49.38	1344.36	85.83	1342.56	74.13
6/8/00 1:04	49.40	1344.36	85.82	1342.56	74.13
6/8/00 1:06	49.43	1344.35	85.81	1342.56	74.13
6/8/00 1:07	49.45	1344.35	85.80	1342.55	74.13
6/8/00 1:08	49.47	1344.35	85.80	1342.56	74.13
6/8/00 1:09	49.48	1344.35	85.79	1342.56	74.14
6/8/00 1:10	49.50	1344.34	85.78	1342.54	74.14
6/8/00 1:12	49.53	1344.30	85.78	1342.51	74.14
6/8/00 1:13	49.55	1344.30	85.77	1342.50	74.15
6/8/00 1:14	49.57	1344.30	85.77	1342.48	74.15
6/8/00 1:15	49.58	1344.29	85.77	1342.48	74.15
6/8/00 1:16	49.60	1344.29	85.77	1342.47	74.14
6/8/00 1:18	49.63	1344.29	85.76	1342.46	74.13
6/8/00 1:19	49.65	1344.29	85.75	1342.47	74.13
6/8/00 1:20	49.67	1344.28	85.75	1342.49	74.12
6/8/00 1:21	49.68	1344.28	85.74	1342.47	74.12
6/8/00 1:22	49.70	1344.27	85.73	1342.47	74.12
6/8/00 1:24	49.73	1344.28	85.73	1342.47	74.12
6/8/00 1:25	49.75	1344.27	85.73	1342.45	74.12
6/8/00 1:26	49.77	1344.28	85.73	1342.45	74.12
6/8/00 1:27	49.78	1344.27	85.72	1342.46	74.13
6/8/00 1:28	49.80	1344.27	85.72	1342.47	74.13
6/8/00 1:30	49.83	1344.27	85.72	1342.47	74.13
6/8/00 1:31	49.85	1344.27	85.71	1342.47	74.14
6/8/00 1:32	49.87	1344.27	85.71	1342.46	74.14
6/8/00 1:33	49.88	1344.27	85.70	1342.47	74.15
6/8/00 1:34	49.90	1344.27	85.70	1342.46	74.14
6/8/00 1:36	49.93	1344.26	85.69	1342.46	74.14
6/8/00 1:37	49.95	1344.26	85.68	1342.46	74.14
6/8/00 1:38	49.97	1344.26	85.68	1342.46	74.14
6/8/00 1:39	49.98	1344.26	85.67	1342.47	74.13
6/8/00 1:40	50.00	1344.26	85.67	1342.46	74.13
6/8/00 1:42	50.03	1344.27	85.66	1342.44	74.13
6/8/00 1:43	50.05	1344.26	85.65	1342.45	74.13
6/8/00 1:44	50.07	1344.25	85.65	1342.45	74.12
6/8/00 1:45	50.08	1344.25	85.64	1342.46	74.12



6/8/00 1:46	50.10	1344.25	85.64	1342.46	74.13
6/8/00 1:48	50.13	1344.25	85.63	1342.46	74.13
6/8/00 1:49	50.15	1344.25	85.63	1342.46	74.13
6/8/00 1:50	50.17	1344.25	85.62	1342.46	74.13
6/8/00 1:51	50.18	1344.25	85.62	1342.45	74.14
6/8/00 1:52	50.20	1344.25	85.62	1342.46	74.14
6/8/00 1:54	50.23	1344.25	85.61	1342.46	74.15
6/8/00 1:55	50.25	1344.25	85.60	1342.47	74.15
6/8/00 1:56	50.27	1344.24	85.60	1342.45	74.15
6/8/00 1:57	50.28	1344.24	85.59	1342.44	74.16
6/8/00 1:58	50.30	1344.25	85.58	1342.44	74.15
6/8/00 2:00	50.33	1344.24	85.58	1342.45	74.15
6/8/00 2:01	50.35	1344.24	85.57	1342.45	74.15
6/8/00 2:02	50.37	1344.25	85.57	1342.46	74.14
6/8/00 2:03	50.38	1344.24	85.56	1342.42	74.14
6/8/00 2:04	50.40	1344.24	85.56	1342.44	74.13
6/8/00 2:06	50.43	1344.24	85.55	1342.46	74.13
6/8/00 2:07	50.45	1344.24	85.55	1342.46	74.13
6/8/00 2:08	50.47	1344.24	85.54	1342.45	74.12
6/8/00 2:09	50.48	1344.24	85.54	1342.45	74.12
6/8/00 2:10	50.50	1344.23	85.53	1342.44	74.12
6/8/00 2:12	50.53	1344.24	85.52	1342.43	74.12
6/8/00 2:13	50.55	1344.23	85.52	1342.44	74.12
6/8/00 2:14	50.57	1344.23	85.51	1342.45	74.12
6/8/00 2:15	50.58	1344.23	85.50	1342.43	74.12
6/8/00 2:16	50.60	1344.23	85.50	1342.42	74.12
6/8/00 2:18	50.63	1344.23	85.49	1342.43	74.12
6/8/00 2:19	50.65	1344.23	85.48	1342.43	74.12
6/8/00 2:20	50.67	1344.23	85.48	1342.43	74.12
6/8/00 2:21	50.68	1344.23	85.48	1342.45	74.12
6/8/00 2:22	50.70	1344.23	85.47	1342.45	74.12
6/8/00 2:24	50.73	1344.23	85.46	1342.43	74.12
6/8/00 2:25	50.75	1344.23	85.46	1342.44	74.12
6/8/00 2:26	50.77	1344.23	85.46	1342.45	74.12
6/8/00 2:27	50.78	1344.23	85.46	1342.43	74.12
6/8/00 2:28	50.80	1344.24	85.45	1342.43	74.12
6/8/00 2:30	50.83	1344.23	85.44	1342.44	74.12
6/8/00 2:31	50.85	1344.22	85.44	1342.45	74.11
6/8/00 2:32	50.87	1344.23	85.43	1342.44	74.11
6/8/00 2:33	50.88	1344.23	85.43	1342.43	74.12
6/8/00 2:34	50.90	1344.22	85.42	1342.43	74.12
6/8/00 2:36	50.93	1344.22	85.41	1342.43	74.13
6/8/00 2:37	50.95	1344.22	85.41	1342.42	74.13
6/8/00 2:38	50.97	1344.22	85.40	1342.43	74.13
6/8/00 2:39	50.98	1344.22	85.40	1342.42	74.14
6/8/00 2:40	51.00	1344.22	85.39	1342.42	74.13
6/8/00 2:42	51.03	1344.22	85.38	1342.41	74.13
6/8/00 2:43	51.05	1344.22	85.38	1342.42	74.12
6/8/00 2:44	51.07	1344.21	85.37	1342.43	74.12
6/8/00 2:45	51.08	1344.21	85.37	1342.41	74.12
6/8/00 2:46	51.10	1344.21	85.36	1342.41	74.12
6/8/00 2:48	51.13	1344.22	85.35	1342.43	74.12
6/8/00 2:49	51.15	1344.21	85.35	1342.43	74.12
6/8/00 2:50	51.17	1344.21	85.34	1342.42	74.12
6/8/00 2:51	51.18	1344.21	85.34	1342.42	74.12
6/8/00 2:52	51.20	1344.21	85.33	1342.42	74.11
6/8/00 2:54	51.23	1344.21	85.33	1342.42	74.10
6/8/00 2:55	51.25	1344.21	85.32	1342.41	74.10
6/8/00 2:56	51.27	1344.21	85.32	1342.40	74.09
6/8/00 2:57	51.28	1344.21	85.32	1342.40	74.09
6/8/00 2:58	51.30	1344.21	85.32	1342.41	74.09
6/8/00 3:00	51.33	1344.21	85.31	1342.42	74.10
6/8/00 3:01	51.35	1344.21	85.31	1342.42	74.10
6/8/00 3:02	51.37	1344.21	85.31	1342.42	74.10
6/8/00 3:03	51.38	1344.20	85.31	1342.42	74.11
6/8/00 3:04	51.40	1344.21	85.31	1342.42	74.11
6/8/00 3:06	51.43	1344.21	85.30	1342.42	74.11
6/8/00 3:07	51.45	1344.20	85.29	1342.41	74.11
6/8/00 3:08	51.47	1344.19	85.29	1342.41	74.11
6/8/00 3:09	51.48	1344.20	85.28	1342.40	74.11
6/8/00 3:10	51.50	1344.20	85.28	1342.41	74.11
6/8/00 3:12	51.53	1344.20	85.27	1342.41	74.10
6/8/00 3:13	51.55	1344.20	85.26	1342.40	74.10
6/8/00 3:14	51.57	1344.20	85.26	1342.40	74.10
6/8/00 3:15	51.58	1344.20	85.26	1342.41	74.10
6/8/00 3:16	51.60	1344.20	85.25	1342.41	74.10
6/8/00 3:18	51.63	1344.20	85.25	1342.41	74.10
6/8/00 3:19	51.65	1344.20	85.25	1342.41	74.10
6/8/00 3:20	51.67	1344.20	85.25	1342.40	74.10
6/8/00 3:21	51.68	1344.20	85.24	1342.39	74.10
6/8/00 3:22	51.70	1344.20	85.24	1342.40	74.10

6/8/00 3:24	51.73	1344.19	85.23	1342.40	74.10
6/8/00 3:25	51.75	1344.19	85.23	1342.41	74.10
6/8/00 3:26	51.77	1344.19	85.22	1342.40	74.10
6/8/00 3:27	51.78	1344.18	85.21	1342.39	74.10
6/8/00 3:28	51.80	1344.18	85.20	1342.39	74.10
6/8/00 3:30	51.83	1344.19	85.19	1342.40	74.10
6/8/00 3:31	51.85	1344.19	85.19	1342.40	74.10
6/8/00 3:32	51.87	1344.19	85.19	1342.39	74.10
6/8/00 3:33	51.88	1344.19	85.19	1342.39	74.10
6/8/00 3:34	51.90	1344.19	85.18	1342.39	74.10
6/8/00 3:36	51.93	1344.19	85.18	1342.39	74.10
6/8/00 3:37	51.95	1344.19	85.18	1342.38	74.10
6/8/00 3:38	51.97	1344.18	85.18	1342.38	74.10
6/8/00 3:39	51.98	1344.18	85.18	1342.38	74.10
6/8/00 3:40	52.00	1344.18	85.17	1342.39	74.10
6/8/00 3:42	52.03	1344.18	85.17	1342.38	74.10
6/8/00 3:43	52.05	1344.17	85.16	1342.39	74.10
6/8/00 3:44	52.07	1344.17	85.15	1342.38	74.10
6/8/00 3:45	52.08	1344.17	85.15	1342.39	74.10
6/8/00 3:46	52.10	1344.17	85.14	1342.38	74.09
6/8/00 3:48	52.13	1344.17	85.14	1342.39	74.09
6/8/00 3:49	52.15	1344.17	85.13	1342.36	74.09
6/8/00 3:50	52.17	1344.18	85.13	1342.37	74.09
6/8/00 3:51	52.18	1344.18	85.13	1342.38	74.09
6/8/00 3:52	52.20	1344.18	85.13	1342.37	74.09
6/8/00 3:54	52.23	1344.17	85.12	1342.38	74.09
6/8/00 3:55	52.25	1344.16	85.11	1342.37	74.10
6/8/00 3:56	52.27	1344.16	85.10	1342.37	74.10
6/8/00 3:57	52.28	1344.16	85.09	1342.37	74.10
6/8/00 3:58	52.30	1344.16	85.08	1342.37	74.10
6/8/00 4:00	52.33	1344.17	85.07	1342.37	74.10
6/8/00 4:01	52.35	1344.17	85.07	1342.38	74.10
6/8/00 4:02	52.37	1344.16	85.07	1342.37	74.10
6/8/00 4:03	52.38	1344.16	85.06	1342.38	74.10
6/8/00 4:04	52.40	1344.16	85.06	1342.37	74.11
6/8/00 4:06	52.43	1344.16	85.06	1342.39	74.11
6/8/00 4:07	52.45	1344.16	85.06	1342.35	74.11
6/8/00 4:08	52.47	1344.16	85.06	1342.34	74.11
6/8/00 4:09	52.48	1344.16	85.05	1342.36	74.11
6/8/00 4:10	52.50	1344.16	85.05	1342.36	74.11
6/8/00 4:12	52.53	1344.16	85.05	1342.36	74.11
6/8/00 4:13	52.55	1344.15	85.05	1342.36	74.11
6/8/00 4:14	52.57	1344.16	85.04	1342.36	74.11
6/8/00 4:15	52.58	1344.16	85.04	1342.35	74.11
6/8/00 4:16	52.60	1344.15	85.04	1342.35	74.11
6/8/00 4:18	52.63	1344.14	85.03	1342.35	74.11
6/8/00 4:19	52.65	1344.14	85.02	1342.36	74.11
6/8/00 4:20	52.67	1344.14	85.01	1342.36	74.11
6/8/00 4:21	52.68	1344.14	85.01	1342.35	74.11
6/8/00 4:22	52.70	1344.15	85.00	1342.35	74.11
6/8/00 4:24	52.73	1344.15	84.99	1342.35	74.11
6/8/00 4:25	52.75	1344.14	84.99	1342.34	74.11
6/8/00 4:26	52.77	1344.14	84.99	1342.35	74.11
6/8/00 4:27	52.78	1344.14	84.99	1342.35	74.11
6/8/00 4:28	52.80	1344.14	84.99	1342.35	74.10
6/8/00 4:30	52.83	1344.14	84.98	1342.34	74.10
6/8/00 4:31	52.85	1344.15	84.98	1342.32	74.10
6/8/00 4:32	52.87	1344.14	84.98	1342.31	74.10
6/8/00 4:33	52.88	1344.14	84.98	1342.34	74.09
6/8/00 4:34	52.90	1344.14	84.98	1342.34	74.10
6/8/00 4:36	52.93	1344.15	84.98	1342.34	74.10
6/8/00 4:37	52.95	1344.14	84.97	1342.34	74.10
6/8/00 4:38	52.97	1344.13	84.96	1342.34	74.10
6/8/00 4:39	52.98	1344.13	84.96	1342.34	74.10
6/8/00 4:40	53.00	1344.13	84.95	1342.34	74.10
6/8/00 4:42	53.03	1344.14	84.94	1342.34	74.10
6/8/00 4:43	53.05	1344.13	84.94	1342.32	74.10
6/8/00 4:44	53.07	1344.13	84.94	1342.33	74.10
6/8/00 4:45	53.08	1344.13	84.94	1342.32	74.10
6/8/00 4:46	53.10	1344.13	84.93	1342.33	74.10
6/8/00 4:48	53.13	1344.13	84.93	1342.32	74.10
6/8/00 4:49	53.15	1344.12	84.92	1342.32	74.10
6/8/00 4:50	53.17	1344.12	84.92	1342.34	74.10
6/8/00 4:51	53.18	1344.12	84.91	1342.31	74.10
6/8/00 4:52	53.20	1344.12	84.90	1342.30	74.10
6/8/00 4:54	53.23	1344.12	84.90	1342.32	74.10
6/8/00 4:55	53.25	1344.12	84.90	1342.33	74.09
6/8/00 4:56	53.27	1344.13	84.89	1342.33	74.09
6/8/00 4:57	53.28	1344.13	84.89	1342.33	74.09
6/8/00 4:58	53.30	1344.12	84.89	1342.33	74.09
6/8/00 5:00	53.33	1344.12	84.88	1342.32	74.09

6/8/00 5:01	53.35	1344.11	84.88	1342.32	74.09
6/8/00 5:02	53.37	1344.11	84.87	1342.30	74.09
6/8/00 5:03	53.38	1344.12	84.87	1342.31	74.10
6/8/00 5:04	53.40	1344.11	84.87	1342.32	74.10
6/8/00 5:06	53.43	1344.11	84.86	1342.32	74.10
6/8/00 5:07	53.45	1344.11	84.85	1342.32	74.10
6/8/00 5:08	53.47	1344.11	84.85	1342.31	74.10
6/8/00 5:09	53.48	1344.11	84.84	1342.31	74.10
6/8/00 5:10	53.50	1344.11	84.84	1342.31	74.10
6/8/00 5:12	53.53	1344.11	84.83	1342.31	74.10
6/8/00 5:13	53.55	1344.11	84.82	1342.31	74.10
6/8/00 5:14	53.57	1344.11	84.82	1342.31	74.10
6/8/00 5:15	53.58	1344.11	84.82	1342.31	74.09
6/8/00 5:16	53.60	1344.10	84.81	1342.30	74.09
6/8/00 5:18	53.63	1344.11	84.81	1342.30	74.09
6/8/00 5:19	53.65	1344.10	84.80	1342.29	74.09
6/8/00 5:20	53.67	1344.10	84.80	1342.29	74.09
6/8/00 5:21	53.68	1344.10	84.80	1342.29	74.09
6/8/00 5:22	53.70	1344.10	84.79	1342.29	74.09
6/8/00 5:24	53.73	1344.10	84.78	1342.29	74.09
6/8/00 5:25	53.75	1344.10	84.78	1342.29	74.09
6/8/00 5:26	53.77	1344.09	84.77	1342.28	74.09
6/8/00 5:27	53.78	1344.09	84.76	1342.28	74.09
6/8/00 5:28	53.80	1344.09	84.76	1342.27	74.09
6/8/00 5:30	53.83	1344.09	84.75	1342.28	74.09
6/8/00 5:31	53.85	1344.09	84.75	1342.28	74.09
6/8/00 5:32	53.87	1344.09	84.74	1342.29	74.09
6/8/00 5:33	53.88	1344.09	84.74	1342.29	74.09
6/8/00 5:34	53.90	1344.09	84.74	1342.30	74.09
6/8/00 5:36	53.93	1344.09	84.74	1342.29	74.09
6/8/00 5:37	53.95	1344.09	84.74	1342.29	74.09
6/8/00 5:38	53.97	1344.09	84.74	1342.28	74.08
6/8/00 5:39	53.98	1344.09	84.74	1342.29	74.08
6/8/00 5:40	54.00	1344.09	84.74	1342.29	74.08
6/8/00 5:42	54.03	1344.09	84.74	1342.28	74.08
6/8/00 5:43	54.05	1344.08	84.74	1342.29	74.08
6/8/00 5:44	54.07	1344.08	84.74	1342.28	74.08
6/8/00 5:45	54.08	1344.09	84.73	1342.28	74.08
6/8/00 5:46	54.10	1344.09	84.73	1342.28	74.08
6/8/00 5:48	54.13	1344.08	84.73	1342.28	74.08
6/8/00 5:49	54.15	1344.08	84.73	1342.28	74.08
6/8/00 5:50	54.17	1344.08	84.73	1342.28	74.08
6/8/00 5:51	54.18	1344.08	84.73	1342.28	74.08
6/8/00 5:52	54.20	1344.08	84.72	1342.28	74.09
6/8/00 5:54	54.23	1344.08	84.72	1342.28	74.09
6/8/00 5:55	54.25	1344.07	84.71	1342.28	74.09
6/8/00 5:56	54.27	1344.07	84.71	1342.28	74.10
6/8/00 5:57	54.28	1344.06	84.70	1342.27	74.10
6/8/00 5:58	54.30	1344.06	84.69	1342.27	74.09
6/8/00 6:00	54.33	1344.07	84.68	1342.26	74.09
6/8/00 6:01	54.35	1344.07	84.68	1342.27	74.09
6/8/00 6:02	54.37	1344.07	84.67	1342.27	74.08
6/8/00 6:03	54.38	1344.06	84.67	1342.25	74.08
6/8/00 6:04	54.40	1344.05	84.66	1342.26	74.08
6/8/00 6:06	54.43	1344.08	84.66	1342.27	74.08
6/8/00 6:07	54.45	1344.07	84.66	1342.26	74.07
6/8/00 6:08	54.47	1344.06	84.66	1342.27	74.07
6/8/00 6:09	54.48	1344.07	84.66	1342.27	74.07
6/8/00 6:10	54.50	1344.06	84.66	1342.27	74.07
6/8/00 6:12	54.53	1344.06	84.66	1342.27	74.07
6/8/00 6:13	54.55	1344.07	84.65	1342.27	74.07
6/8/00 6:14	54.57	1344.13	84.65	1342.28	74.08
6/8/00 6:15	54.58	1344.14	84.65	1342.39	74.08
6/8/00 6:16	54.60	1344.14	84.65	1342.38	74.08
6/8/00 6:18	54.63	1344.12	84.64	1342.35	74.08
6/8/00 6:19	54.65	1344.11	84.63	1342.36	74.08
6/8/00 6:20	54.67	1344.11	84.63	1342.35	74.09
6/8/00 6:21	54.68	1344.12	84.63	1342.35	74.09
6/8/00 6:22	54.70	1344.13	84.62	1342.36	74.09
6/8/00 6:24	54.73	1344.12	84.62	1342.36	74.09
6/8/00 6:25	54.75	1344.12	84.61	1342.36	74.09
6/8/00 6:26	54.77	1344.13	84.61	1342.35	74.09
6/8/00 6:27	54.78	1344.13	84.61	1342.36	74.09
6/8/00 6:28	54.80	1344.13	84.61	1342.36	74.09
6/8/00 6:30	54.83	1344.13	84.61	1342.35	74.09
6/8/00 6:31	54.85	1344.13	84.60	1342.36	74.09
6/8/00 6:32	54.87	1344.13	84.60	1342.36	74.09
6/8/00 6:33	54.88	1344.14	84.60	1342.40	74.09
6/8/00 6:34	54.90	1344.16	84.60	1342.42	74.09
6/8/00 6:36	54.93	1344.17	84.60	1342.44	74.08
6/8/00 6:37	54.95	1344.16	84.59	1342.44	74.08

6/8/00 6:38	54.97	1344.16	84.59	1342.43	74.08
6/8/00 6:39	54.98	1344.15	84.58	1342.40	74.08
6/8/00 6:40	55.00	1344.14	84.58	1342.39	74.08
6/8/00 6:42	55.03	1344.14	84.57	1342.38	74.08
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6/8/00 6:44	55.07	1344.14	84.56	1342.39	74.08
6/8/00 6:45	55.08	1344.13	84.56	1342.39	74.08
6/8/00 6:46	55.10	1344.13	84.56	1342.40	74.08
6/8/00 6:48	55.13	1344.13	84.55	1342.38	74.08
6/8/00 6:49	55.15	1344.12	84.54	1342.38	74.08
6/8/00 6:50	55.17	1344.12	84.53	1342.39	74.08
6/8/00 6:51	55.18	1344.13	84.52	1342.37	74.07
6/8/00 6:52	55.20	1344.13	84.51	1342.38	74.08
6/8/00 6:54	55.23	1344.13	84.51	1342.38	74.08
6/8/00 6:55	55.25	1344.13	84.51	1342.38	74.08
6/8/00 6:56	55.27	1344.13	84.51	1342.38	74.08
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6/8/00 7:01	55.35	1344.14	84.52	1342.38	74.08
6/8/00 7:02	55.37	1344.13	84.52	1342.38	74.08
6/8/00 7:03	55.38	1344.14	84.51	1342.40	74.08
6/8/00 7:04	55.40	1344.15	84.51	1342.41	74.07
6/8/00 7:06	55.43	1344.16	84.50	1342.43	74.07
6/8/00 7:07	55.45	1344.15	84.49	1342.43	74.07
6/8/00 7:08	55.47	1344.15	84.48	1342.44	74.07
6/8/00 7:09	55.48	1344.16	84.48	1342.45	74.07
6/8/00 7:10	55.50	1344.16	84.47	1342.45	74.07
6/8/00 7:12	55.53	1344.18	84.46	1342.45	74.07
6/8/00 7:13	55.55	1344.17	84.46	1342.47	74.08
6/8/00 7:14	55.57	1344.18	84.46	1342.47	74.08
6/8/00 7:15	55.58	1344.17	84.46	1342.48	74.08
6/8/00 7:16	55.60	1344.17	84.46	1342.46	74.08
6/8/00 7:20	55.67	1344.17	84.42	1342.47	74.09
6/8/00 7:21	55.68	1344.17	84.41	1342.47	74.09
6/8/00 7:22	55.70	1344.18	84.41	1342.48	74.09
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6/8/00 7:24	55.73	1344.19	84.41	1342.46	74.09
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6/8/00 7:32	55.87	1344.17	84.39	1342.49	74.08
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6/8/00 7:36	55.93	1344.17	84.36	1342.51	74.08
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6/8/00 7:42	56.03	1344.17	84.37	1342.51	74.07
6/8/00 7:44	56.07	1344.17	84.37	1342.49	74.07
6/8/00 7:45	56.08	1344.17	84.37	1342.47	74.07
6/8/00 7:46	56.10	1344.17	84.36	1342.44	74.07
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6/8/00 7:48	56.13	1344.18	84.35	1342.48	74.08
6/8/00 7:50	56.17	1344.18	84.35	1342.48	74.09
6/8/00 7:51	56.18	1344.18	84.34	1342.47	74.09
6/8/00 7:52	56.20	1344.18	84.34	1342.48	74.09
6/8/00 7:53	56.22	1344.18	84.34	1342.47	74.10
6/8/00 7:54	56.23	1344.18	84.34	1342.46	74.11
6/8/00 7:56	56.27	1344.18	84.33	1342.45	74.11
6/8/00 7:57	56.28	1344.17	84.33	1342.45	74.11
6/8/00 7:58	56.30	1344.17	84.32	1342.46	74.11
6/8/00 7:59	56.32	1344.18	84.31	1342.46	74.11
6/8/00 8:00	56.33	1344.17	84.31	1342.46	74.11
6/8/00 8:02	56.37	1344.18	84.30	1342.47	74.11
6/8/00 8:03	56.38	1344.19	84.30	1342.48	74.10
6/8/00 8:04	56.40	1344.18	84.30	1342.48	74.10
6/8/00 8:05	56.42	1344.18	84.30	1342.47	74.09
6/8/00 8:06	56.43	1344.18	84.30	1342.46	74.09
6/8/00 8:08	56.47	1344.18	84.30	1342.46	74.09
6/8/00 8:09	56.48	1344.18	84.30	1342.46	74.09
6/8/00 8:10	56.50	1344.19	84.30	1342.48	74.09
6/8/00 8:11	56.52	1344.19	84.30	1342.47	74.10
6/8/00 8:12	56.53	1344.18	84.30	1342.47	74.10
6/8/00 8:14	56.57	1344.19	84.30	1342.46	74.10
6/8/00 8:15	56.58	1344.19	84.29	1342.47	74.11
6/8/00 8:16	56.60	1344.19	84.29	1342.48	74.11

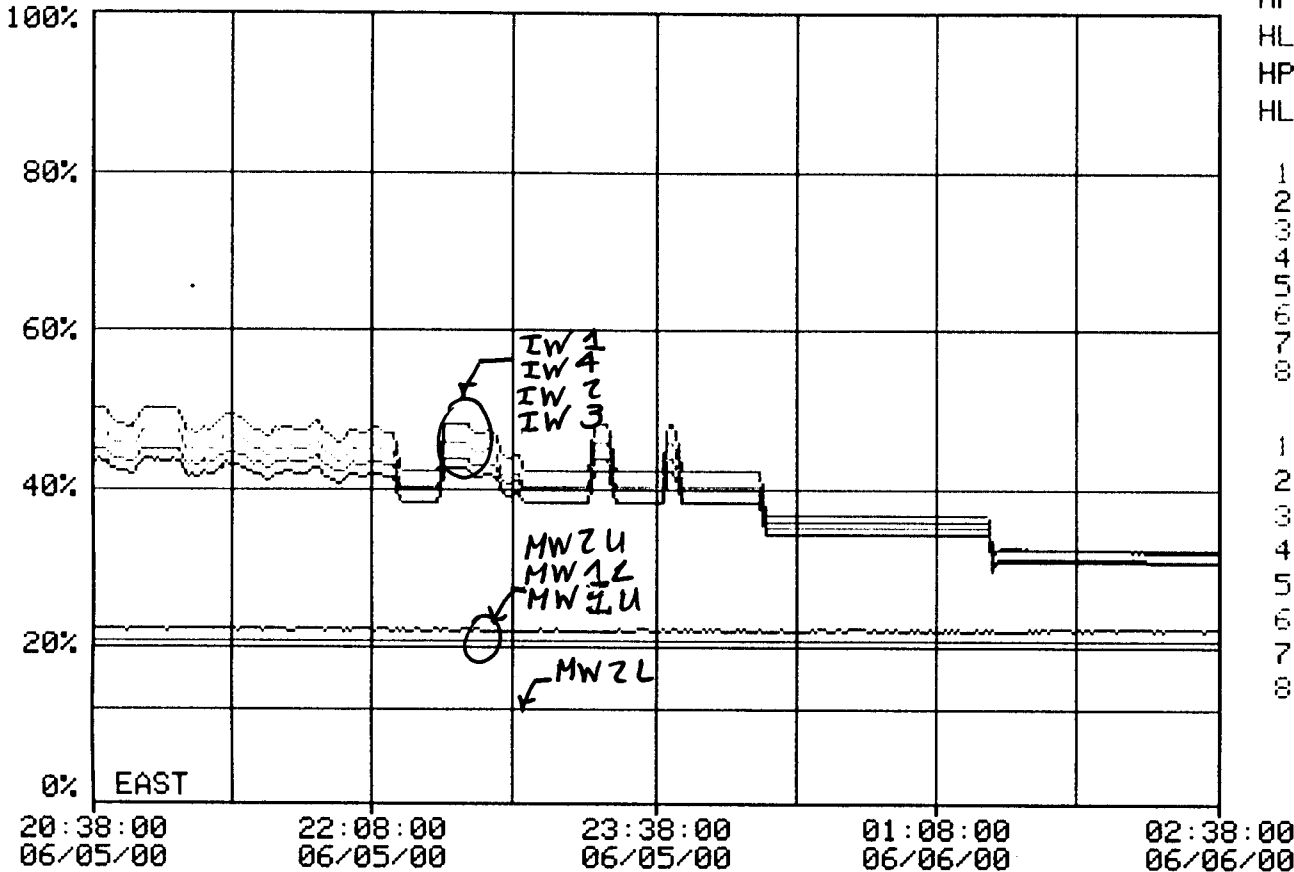
6/8/00 8:17	56.62	1344.19	84.29	1342.47	74.12
6/8/00 8:18	56.63	1344.17	84.29	1342.47	74.12
6/8/00 8:20	56.67	1344.16	84.28	1342.46	74.12
6/8/00 8:21	56.68	1344.17	84.27	1342.46	74.12
6/8/00 8:22	56.70	1344.18	84.27	1342.45	74.12
6/8/00 8:23	56.72	1344.19	84.26	1342.47	74.13
6/8/00 8:24	56.73	1344.19	84.26	1342.47	74.13
6/8/00 8:26	56.77	1344.19	84.25	1342.47	74.13
6/8/00 8:27	56.78	1344.19	84.24	1342.45	74.14
6/8/00 8:28	56.80	1344.19	84.24	1342.44	74.14
6/8/00 8:29	56.82	1344.18	84.24	1342.44	74.14
6/8/00 8:30	56.83	1344.17	84.24	1342.44	74.14
6/8/00 8:32	56.87	1344.16	84.23	1342.45	74.13
6/8/00 8:33	56.88	1344.16	84.23	1342.45	74.13
6/8/00 8:34	56.90	1344.16	84.23	1342.44	74.13
6/8/00 8:35	56.92	1344.17	84.23	1342.46	74.13
6/8/00 8:36	56.93	1344.17	84.23	1342.46	74.13
6/8/00 8:38	56.97	1344.17	84.22	1342.46	74.13
6/8/00 8:39	56.98	1344.17	84.22	1342.45	74.13
6/8/00 8:40	57.00	1344.17	84.21	1342.44	74.13
6/8/00 8:41	57.02	1344.17	84.21	1342.40	74.12
6/8/00 8:42	57.03	1344.18	84.21	1342.39	74.12
6/8/00 8:44	57.07	1344.18	84.20	1342.34	74.12
6/8/00 8:45	57.08	1344.18	84.20	1342.36	74.12
6/8/00 8:46	57.10	1344.17	84.20	1342.41	74.11
6/8/00 8:47	57.12	1344.17	84.20	1342.43	74.12
6/8/00 8:48	57.13	1344.17	84.20	1342.42	74.12
6/8/00 8:50	57.17	1344.17	84.19	1342.41	74.12
6/8/00 8:51	57.18	1344.18	84.19	1342.40	74.13
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6/8/00 8:53	57.22	1344.17	84.18	1342.41	74.14
6/8/00 8:54	57.23	1344.18	84.17	1342.42	74.14
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6/8/00 8:57	57.28	1344.15	84.16	1342.43	74.14
6/8/00 8:58	57.30	1344.15	84.16	1342.44	74.14
6/8/00 8:59	57.32	1344.15	84.16	1342.44	74.15
6/8/00 9:00	57.33	1344.17	84.16	1342.42	74.15
6/8/00 9:02	57.37	1344.18	84.16	1342.41	74.16
6/8/00 9:03	57.38	1344.18	84.16	1342.43	74.16
6/8/00 9:04	57.40	1344.18	84.16	1342.43	74.16
6/8/00 9:05	57.42	1344.18	84.16	1342.38	74.17
6/8/00 9:06	57.43	1344.19	84.16	1342.37	74.17
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6/8/00 9:10	57.50	1344.18	84.14	1342.42	74.17
6/8/00 9:11	57.52	1344.18	84.13	1342.41	74.17
6/8/00 9:12	57.53	1344.17	84.13	1342.40	74.16
6/8/00 9:14	57.57	1344.16	84.12	1342.41	74.15
6/8/00 9:15	57.58	1344.17	84.12	1342.41	74.15
6/8/00 9:16	57.60	1344.18	84.12	1342.44	74.14
6/8/00 9:17	57.62	1344.18	84.12	1342.42	74.14
6/8/00 9:18	57.63	1344.18	84.12	1342.41	74.14
6/8/00 9:20	57.67	1344.17	84.12	1342.42	74.14
6/8/00 9:21	57.68	1344.18	84.11	1342.41	74.14
6/8/00 9:22	57.70	1344.19	84.11	1342.40	74.14
6/8/00 9:23	57.72	1344.18	84.11	1342.39	74.14
6/8/00 9:24	57.73	1344.18	84.10	1342.37	74.14
6/8/00 9:26	57.77	1344.18	84.10	1342.39	74.14
6/8/00 9:27	57.78	1344.17	84.10	1342.40	74.14
6/8/00 9:28	57.80	1344.17	84.11	1342.40	74.13
6/8/00 9:29	57.82	1344.18	84.11	1342.42	74.14
6/8/00 9:30	57.83	1344.19	84.11	1342.43	74.15
6/8/00 9:32	57.87	1344.18	84.11	1342.44	74.15
6/8/00 9:33	57.88	1344.18	84.10	1342.42	74.16
6/8/00 9:34	57.90	1344.18	84.09	1342.42	74.16
6/8/00 9:35	57.92	1344.17	84.09	1342.41	74.17
6/8/00 9:36	57.93	1344.17	84.08	1342.39	74.17
6/8/00 9:38	57.97	1344.17	84.07	1342.39	74.17
6/8/00 9:39	57.98	1344.18	84.07	1342.41	74.17
6/8/00 9:40	58.00	1344.19	84.07	1342.42	74.17
6/8/00 9:41	58.02	1344.19	84.07	1342.42	74.17
6/8/00 9:42	58.03	1344.20	84.07	1342.42	74.17
6/8/00 9:44	58.07	1344.18	84.05	1342.43	74.17
6/8/00 9:45	58.08	1344.19	84.04	1342.41	74.17
6/8/00 9:46	58.10	1344.19	84.03	1342.42	74.17
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6/8/00 9:48	58.13	1344.18	84.01	1342.42	74.17
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6/8/00 9:58	58.30	1344.17	84.00	1342.43	74.16
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6/8/00 10:02	58.37	1344.17	83.98	1342.42	74.16
6/8/00 10:03	58.38	1344.17	83.97	1342.42	74.15
6/8/00 10:04	58.40	1344.16	83.97	1342.42	74.15
6/8/00 10:05	58.42	1344.16	83.96	1342.42	74.15
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6/8/00 10:17	58.62	1344.20	83.96	1342.41	74.17
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6/8/00 10:23	58.72	1344.21	83.97	1342.48	74.17
6/8/00 10:24	58.73	1344.20	83.97	1342.49	74.17
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6/8/00 10:29	58.82	1344.20	83.96	1342.48	74.17
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6/8/00 10:33	58.88	1344.19	83.95	1342.49	74.17
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6/8/00 10:39	58.98	1344.19	83.92	1342.45	74.18
6/8/00 10:40	59.00	1344.19	83.92	1342.45	74.19
6/8/00 10:41	59.02	1344.19	83.91	1342.44	74.19
6/8/00 10:42	59.03	1344.19	83.90	1342.44	74.19
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6/8/00 10:59	59.32	1344.21	83.86	1342.47	74.17
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6/8/00 11:03	59.38	1344.21	83.86	1342.47	74.17
6/8/00 11:04	59.40	1344.22	83.86	1342.47	74.17
6/8/00 11:05	59.42	1344.21	83.87	1342.46	74.18
6/8/00 11:06	59.43	1344.21	83.87	1342.47	74.18
6/8/00 11:08	59.47	1344.21	83.86	1342.48	74.19
6/8/00 11:09	59.48	1344.21	83.85	1342.48	74.19
6/8/00 11:10	59.50	1344.21	83.84	1342.48	74.20
6/8/00 11:11	59.52	1344.20	83.83	1342.47	74.20
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6/8/00 11:14	59.57	1344.22	83.81	1342.46	74.20
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6/8/00 11:17	59.62	1344.22	83.81	1342.46	74.20
6/8/00 11:18	59.63	1344.23	83.82	1342.48	74.19
6/8/00 11:20	59.67	1344.25	83.82	1342.48	74.19
6/8/00 11:21	59.68	1344.26	83.81	1342.48	74.18
6/8/00 11:22	59.70	1344.25	83.81	1342.48	74.18
6/8/00 11:23	59.72	1344.25	83.81	1342.46	74.17
6/8/00 11:24	59.73	1344.24	83.81	1342.49	74.17
6/8/00 11:26	59.77	1344.23	83.80	1342.50	74.17
6/8/00 11:27	59.78	1344.23	83.79	1342.54	74.17
6/8/00 11:28	59.80	1344.23	83.78	1342.53	74.17
6/8/00 11:29	59.82	1344.22	83.77	1342.55	74.17
6/8/00 11:30	59.83	1344.22	83.76	1342.55	74.17

6/8/00 11:32	59.87	1344.23	83.76	1342.54	74.17
6/8/00 11:33	59.88	1344.23	83.76	1342.55	74.17
6/8/00 11:34	59.90	1344.24	83.77	1342.54	74.17
6/8/00 11:35	59.92	1344.24	83.77	1342.52	74.17
6/8/00 11:36	59.93	1344.25	83.78	1342.53	74.17
6/8/00 11:38	59.97	1344.25	83.78	1342.53	74.17
6/8/00 11:39	59.98	1344.24	83.78	1342.53	74.17
6/8/00 11:40	60.00	1344.24	83.77	1342.50	74.17
6/8/00 11:41	60.02	1344.23	83.77	1342.52	74.17
6/8/00 11:42	60.03	1344.23	83.77	1342.50	74.17
6/8/00 11:44	60.07	1344.24	83.76	1342.51	74.17
6/8/00 11:45	60.08	1344.23	83.75	1342.52	74.18
6/8/00 11:46	60.10	1344.23	83.74	1342.51	74.18
6/8/00 11:47	60.12	1344.23	83.73	1342.51	74.18
6/8/00 11:48	60.13	1344.24	83.72	1342.51	74.18
6/8/00 11:50	60.17	1344.24	83.71	1342.50	74.18
6/8/00 11:51	60.18	1344.24	83.71	1342.51	74.17
6/8/00 11:52	60.20	1344.24	83.71	1342.51	74.17
6/8/00 11:53	60.22	1344.24	83.71	1342.50	74.17
6/8/00 11:54	60.23	1344.24	83.71	1342.50	74.17
6/8/00 11:56	60.27	1344.25	83.71	1342.51	74.17
6/8/00 11:57	60.28	1344.26	83.71	1342.53	74.17
6/8/00 11:58	60.30	1344.25	83.71	1342.53	74.17
6/8/00 11:59	60.32	1344.25	83.72	1342.53	74.17
6/8/00 12:00	60.33	1344.25	83.72	1342.54	74.17
6/8/00 12:02	60.37	1344.25	83.72	1342.53	74.17
6/8/00 12:03	60.38	1344.25	83.71	1342.52	74.17
6/8/00 12:04	60.40	1344.24	83.71	1342.52	74.17
6/8/00 12:05	60.42	1344.24	83.70	1342.52	74.17
6/8/00 12:06	60.43	1344.24	83.70	1342.53	74.17
6/8/00 12:08	60.47	1344.25	83.69	1342.52	74.17
6/8/00 12:09	60.48	1344.25	83.68	1342.54	74.17
6/8/00 12:10	60.50	1344.25	83.68	1342.53	74.17
6/8/00 12:11	60.52	1344.25	83.67	1342.54	74.17
6/8/00 12:12	60.53	1344.25	83.67	1342.54	74.17
6/8/00 12:14	60.57	1344.25	83.66	1342.52	74.17
6/8/00 12:15	60.58	1344.25	83.66	1342.50	74.17

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.5958G		PSI
2	30.7578G		PSI
3	32.2584G		PSI
4	31.9292G		PSI
5	7.87253G		PSI
6	8.28217G		PSI
7	8.80661G		PSI
8	4.68791G		PSI

02:38:00  
06/06/00

ENTER SELECTION

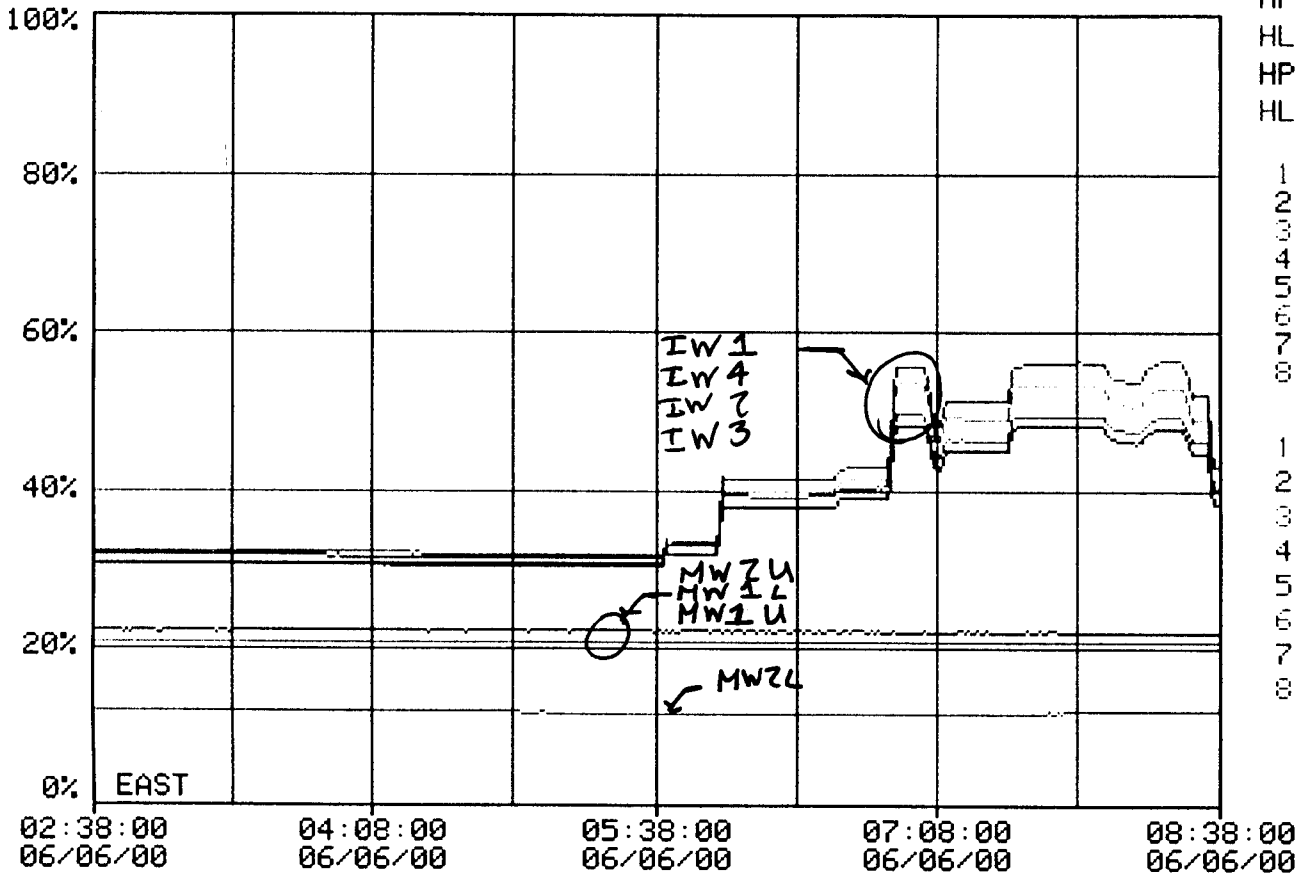
08:04:25  
06/07/00

PCC1(11)  
PCC1CRT1(1)



# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.1103G		PSI
2	38.1355G		PSI
3	39.6005G		PSI
4	42.9891G		PSI
5	7.87253G		PSI
6	8.22029G		PSI
7	8.79464G		PSI
8	4.66154G		PSI

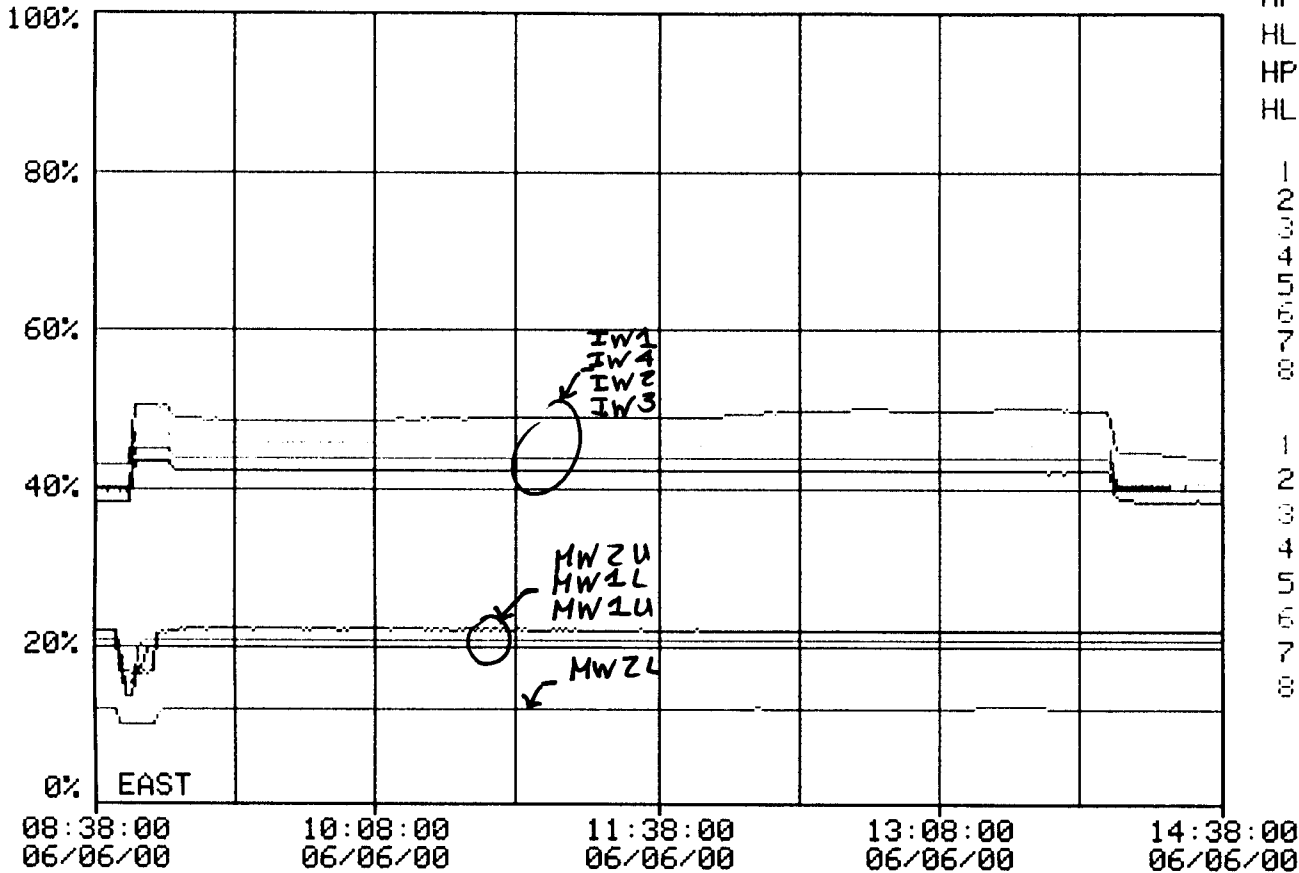
08:38:00  
06/06/00

ENTER SELECTION

08:03:14 PCC1(11)  
06/07/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.5056G		PSI
2	38.2652G		PSI
3	39.9486G		PSI
4	43.5360G		PSI
5	7.86673G		PSI
6	8.25112G		PSI
7	8.79870G		PSI
8	4.68791G		PSI

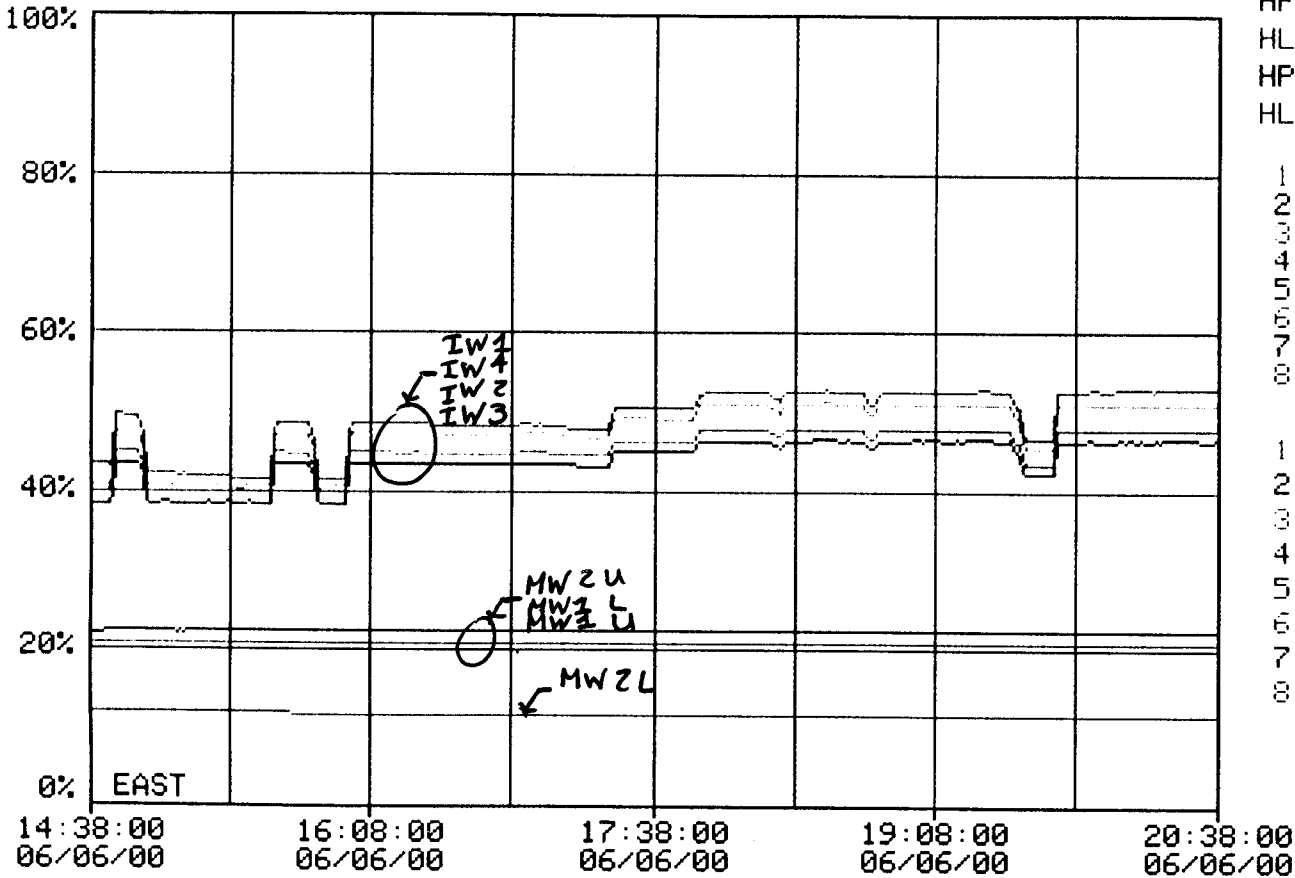
14:38:00  
06/06/00

ENTER SELECTION

08:01:58 PCC1(11)  
06/07/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	51.1815G		PSI
2	46.4420G		PSI
3	47.8122G		PSI
4	52.8913G		PSI
5	7.90801G		PSI
6	8.19030G		PSI
7	8.84382G		PSI
8	4.63516G		PSI

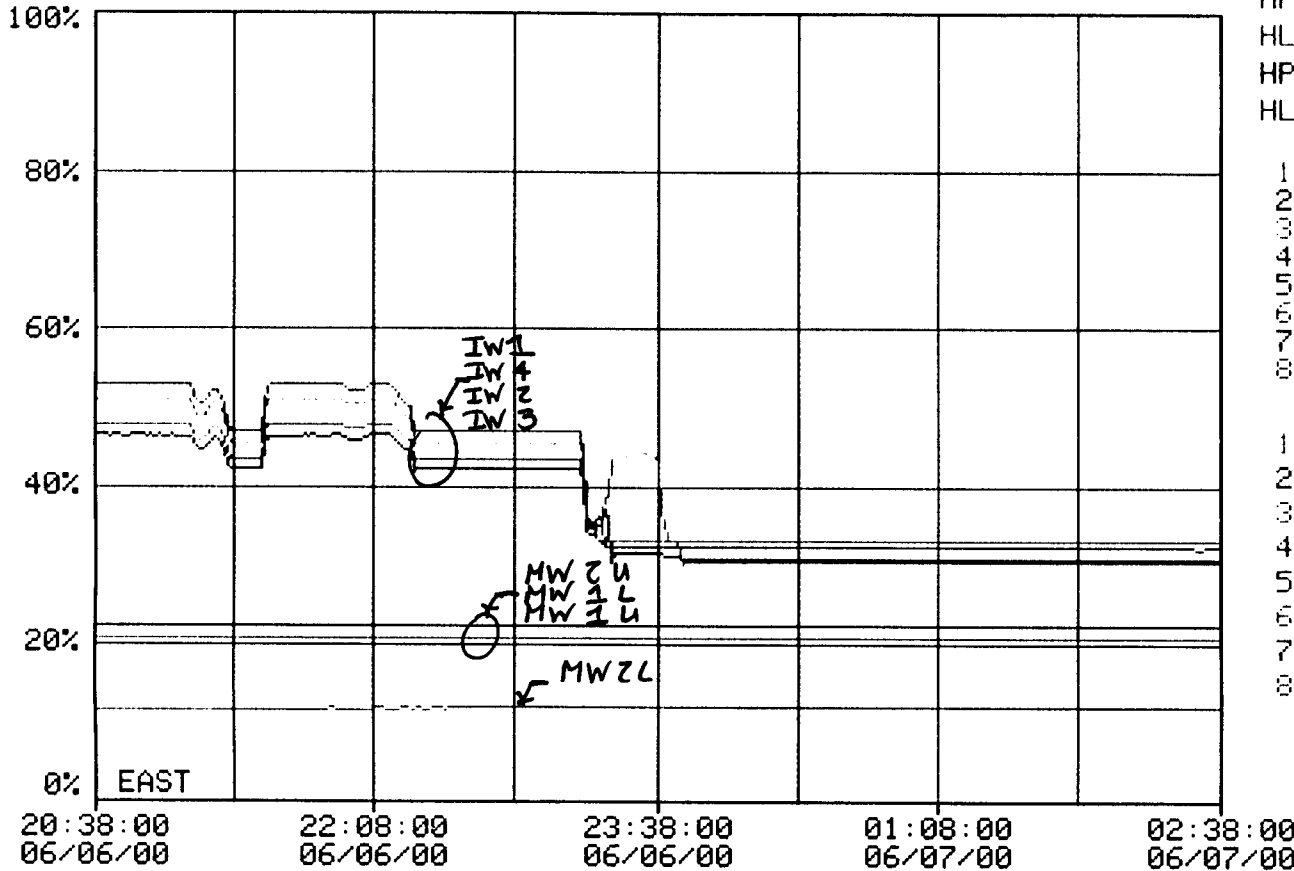
20:38:00  
06/06/00

ENTER SELECTION

07:46:51 PCC1(11)  
06/07/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.2199G		PSI
2	30.5371G		PSI
3	32.9239G		PSI
4	32.0022G		PSI
5	7.90550G		PSI
6	8.26715G		PSI
7	8.84315G		PSI
8	4.68791G		PSI

02:38:00  
06/07/00

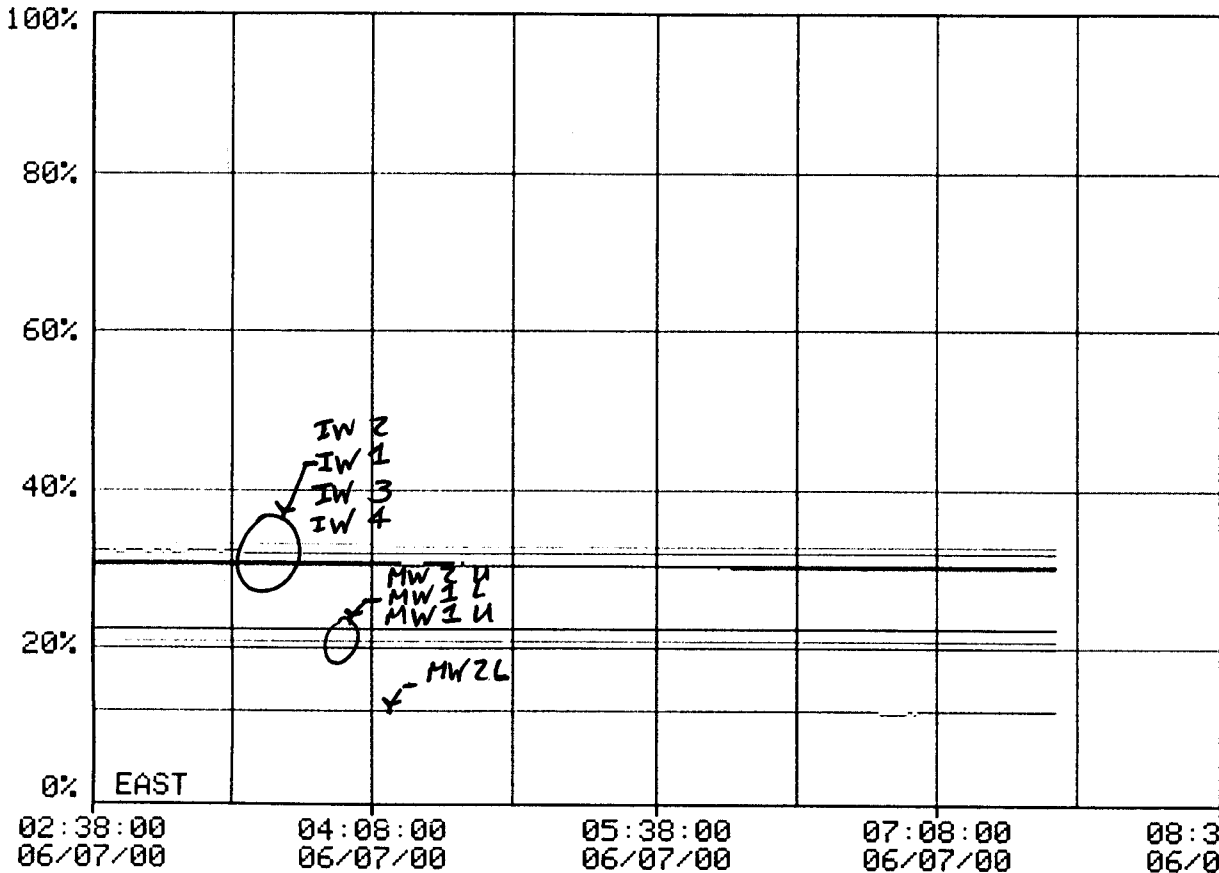
ENTER SELECTION

08:15:42  
06/07/00

PCC1(11)  
PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	29.9451G		PSI
2	30.2645G		PSI
3	32.6272G		PSI
4	31.8864G		PSI
5	7.88571G		PSI
6	8.18406G		PSI
7	8.82088G		PSI
8	4.64176G		PSI

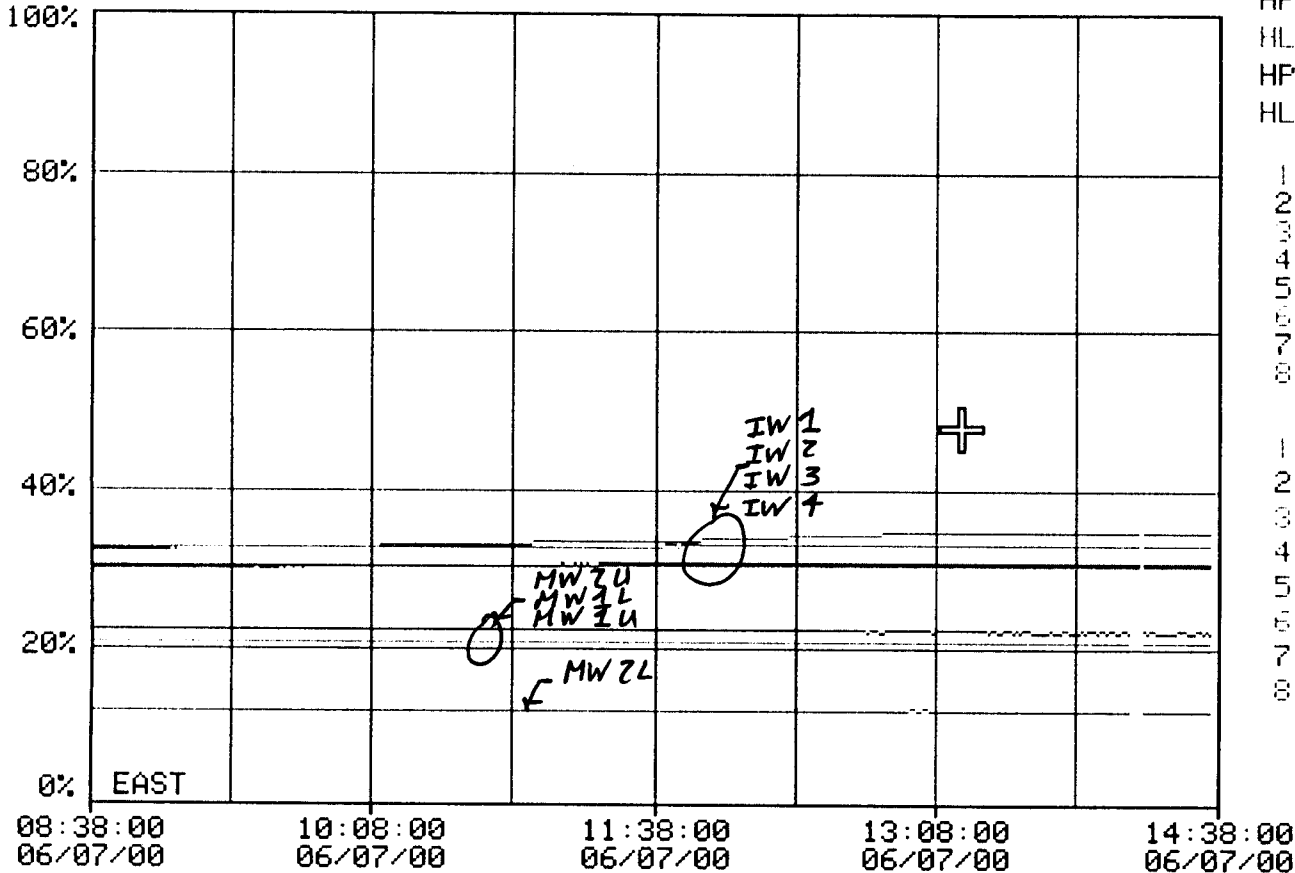
07:47:00  
06/07/00

ENTER SELECTION

07:48:34 PCC1(11)  
06/07/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.1241G		PSI
2	30.4294G		PSI
3	32.8673G		PSI
4	34.6032G		PSI
5	7.86593G		PSI
6	8.26429G		PSI
7	8.79505G		PSI
8	4.78022G		PSI

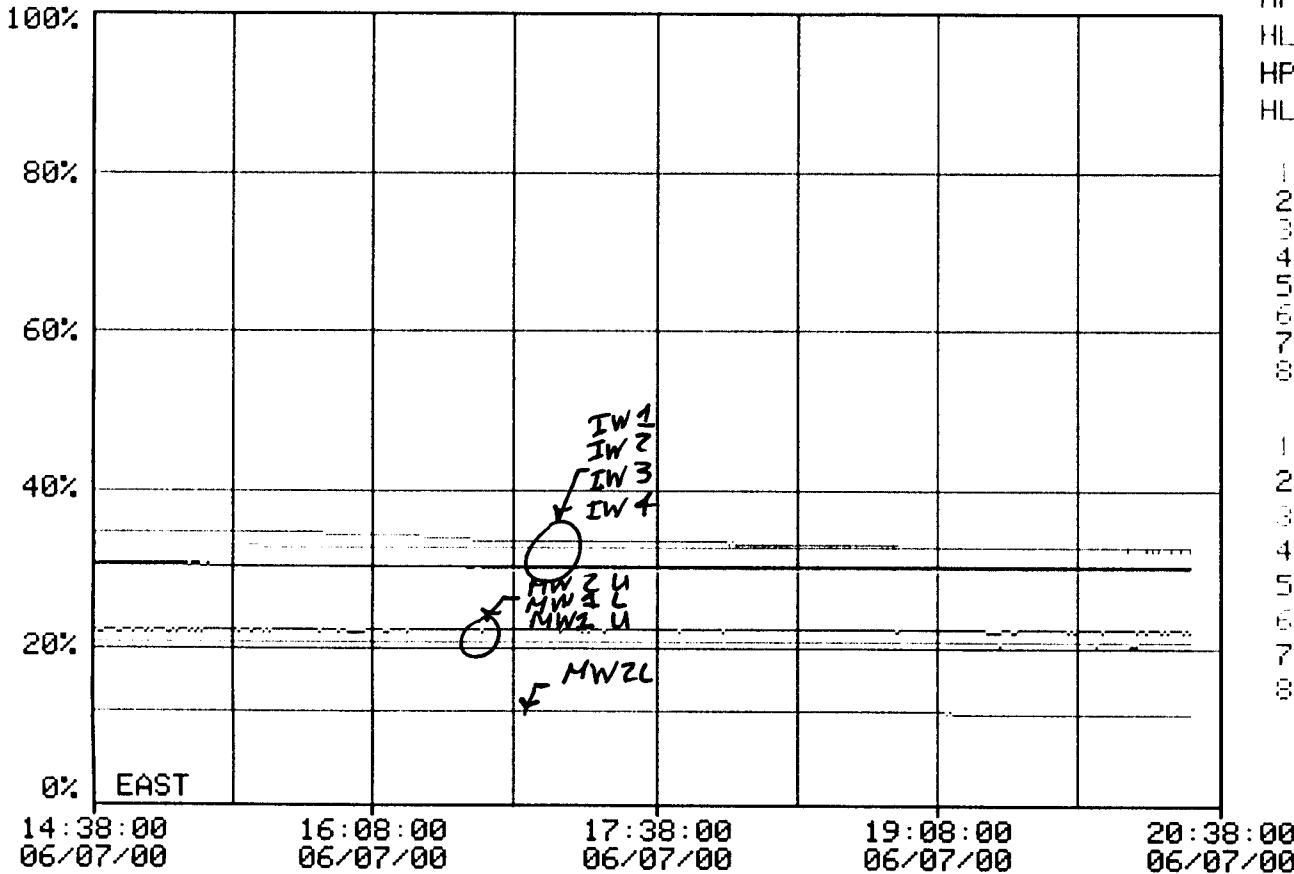
14:37:00  
06/07/00

ENTER SELECTION

14:38:04 PCC1(11)  
06/07/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	29.7823G		PSI
2	30.0936G		PSI
3	32.3891G		PSI
4	32.5214G		PSI
5	7.86648G		PSI
6	8.16044G		PSI
7	8.79835G		PSI
8	4.62198G		PSI

20:30:00  
06/07/00

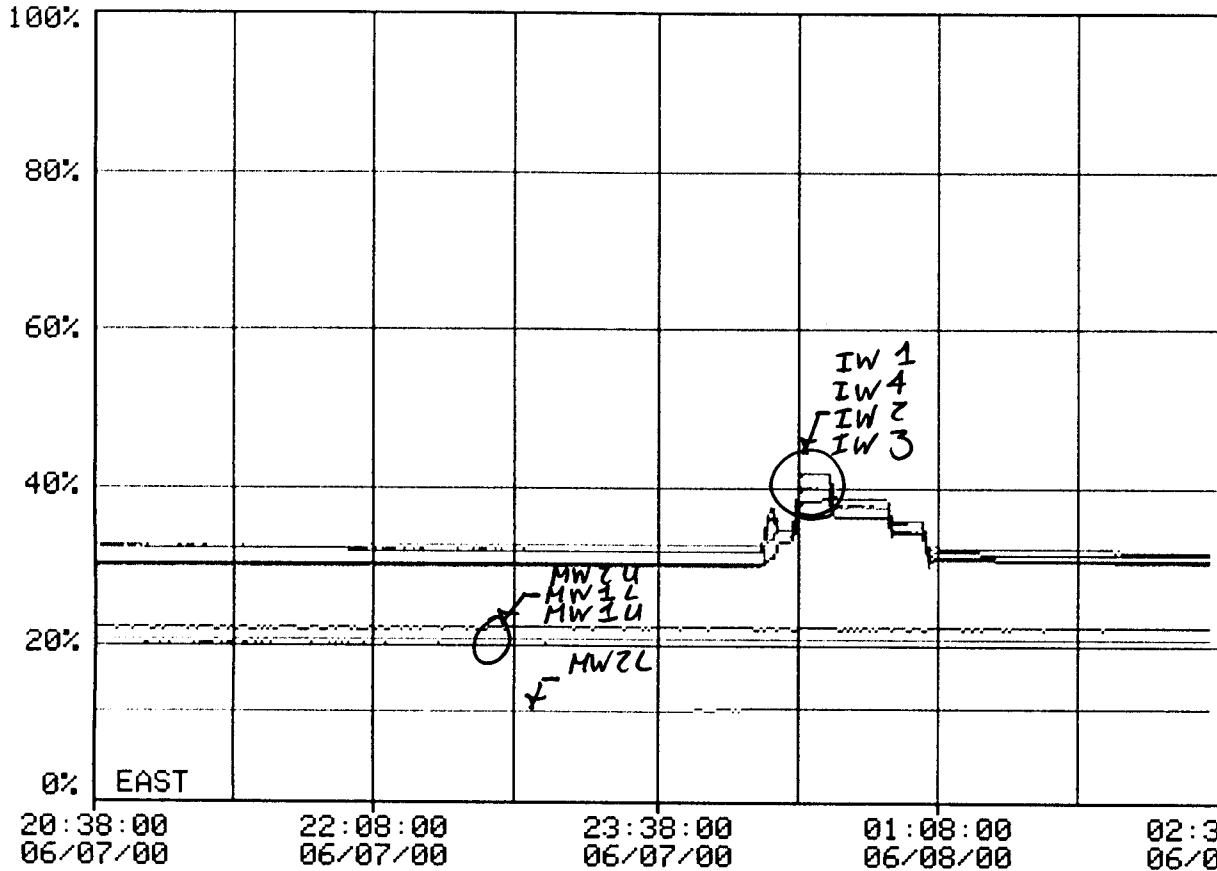
ENTER SELECTION  
F

20:31:47  
06/07/00

PCC1(11)  
PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	30.2442G		PSI
2	30.4538G		PSI
3	31.8234G		PSI
4	31.2149G		PSI
5	7.87253G		PSI
6	8.24341G		PSI
7	8.82418G		PSI
8	4.67473G		PSI

02:36:00  
06/08/00

ENTER SELECTION

F

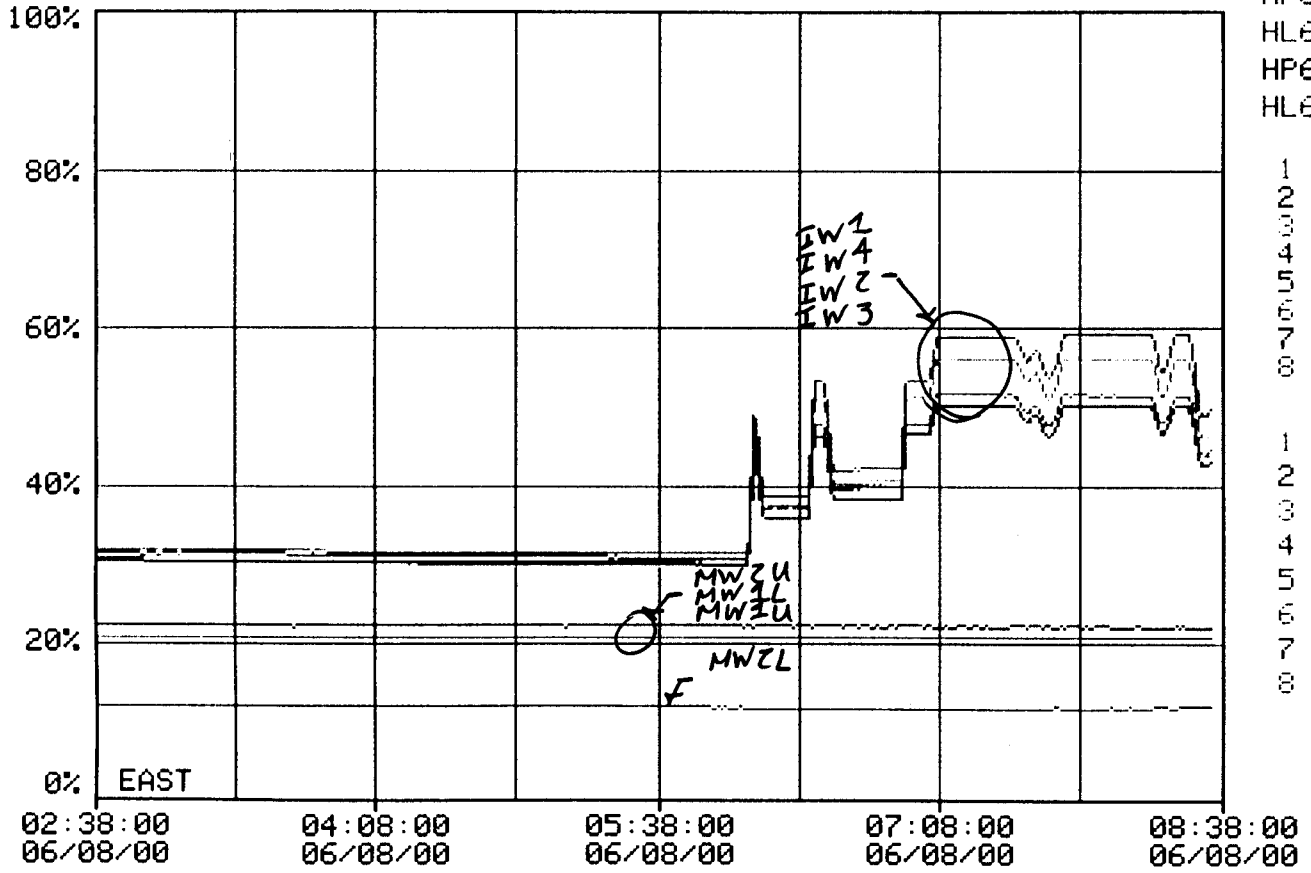
02:37:52  
06/08/00

PCC1(11)  
PCC1CRT1(1)



# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	46.7705G		PSI
2	43.1481G		PSI
3	44.5727G		PSI
4	49.8921G		PSI
5	7.85934G		PSI
6	8.20165G		PSI
7	8.79506G		PSI
8	4.64835G		PSI

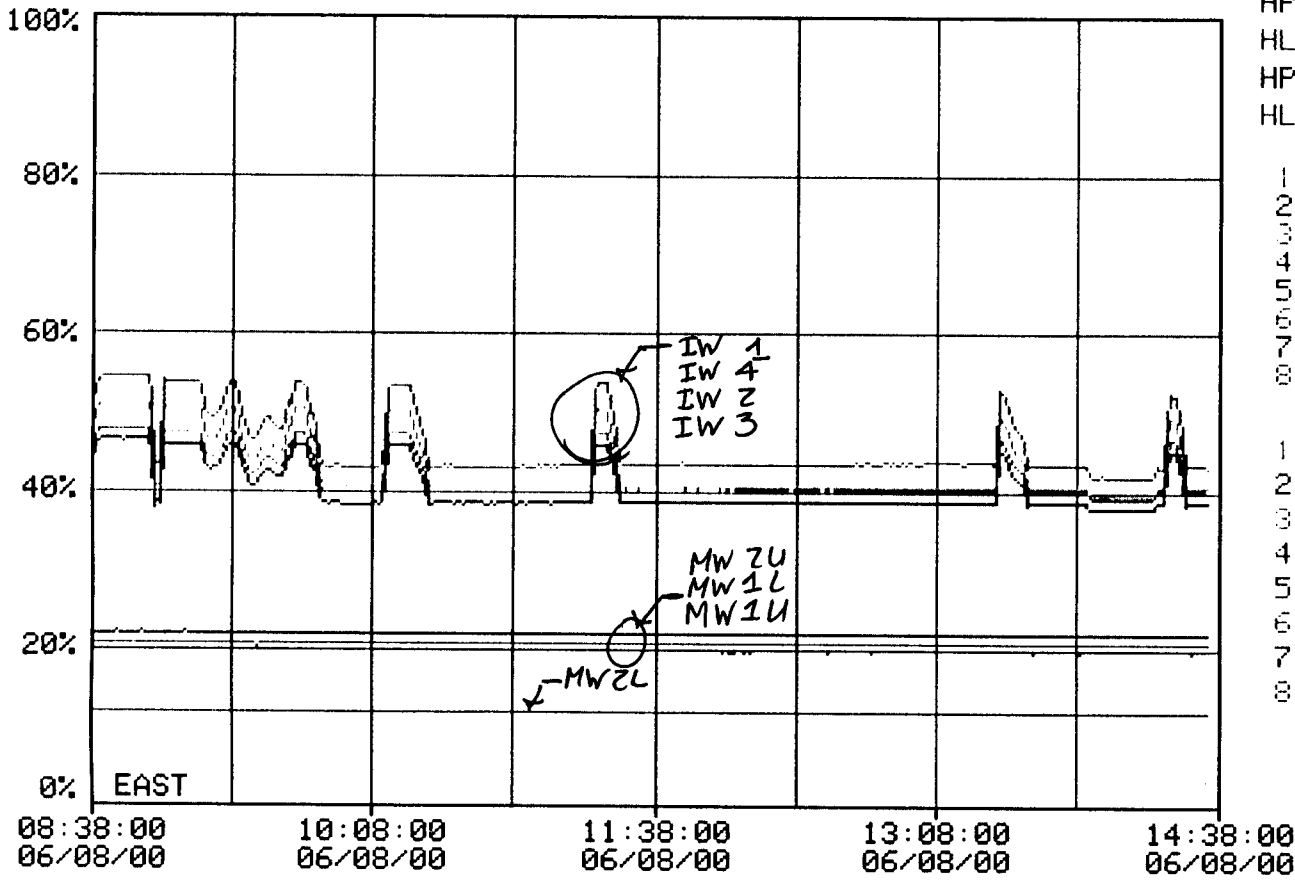
08:36:00  
06/08/00

ENTER SELECTION  
F

08:37:56 PCC1(11)  
06/08/00 PCC1CRT1(1)

# NEW POINT

WELLPRES SPAN 6h REFRESH TIME 00:01:00



- FP63414 INJECTION WELL 4 PRESSURE
- FP63413 INJECTION WELL 3 PRESSURE
- FP63412 INJECTION WELL 2 PRESSURE
- FP63411 INJECTION WELL 1 PRESSURE
- HP68561 UPPER ZONE WELL 1
- HL68551 LOWER ZONE 1
- HP68562 UPPER ZONE WELL 2
- HL68552 LOWER ZONE 2

	MIN	MAX	
1	0.0	100.000	PSI
2	0.0	100.000	PSI
3	0.0	100.000	PSI
4	0.0	100.000	PSI
5	0.0	40.0000	PSI
6	0.0	40.0000	PSI
7	0.0	40.0000	PSI
8	0.0	40.0000	PSI

	CURRENT	CURSOR	
1	40.6715G		PSI
2	38.5674G		PSI
3	40.0611G		PSI
4	43.2682G		PSI
5	7.85110G		PSI
6	8.24231G		PSI
7	8.79176G		PSI
8	4.67473G		PSI

14:37:00  
06/08/00

ENTER SELECTION  
F

14:38:01 PCC1(11)  
06/08/00 PCC1CRT1(1)