YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

# X-Y CALIPER GAMMA RAY LOG

Company PALM BEACH COUNTY WATER UTIL.
Well DEEP INJECTION WELL #1
Field LAKE REGION
County PALM BEACH
State FLORIDA
Location

Permanent Datum: PAD
Log Measured From: PAD
Drilling Measured From: PAD
Elevation

| | K.B. | D.F. | G.L. |
|---|---|---|---|
| Elevation | | | |

Other Services: COMMENTS

Date: 10-Mar-06
Run No.: ONE
Depth Driller: 1950
Depth Logger: 1950
Bottom Logged Interval: 1950
Top Log Interval: SURFACE
Casing Driller: 16" @ 1950
Casing Logger: 16" @ 1950
Bit Size: 14.75"
Type Fluid in Hole: SALT WATER
Density: 10.0
Viscosity: 1.2
Ph: 7.0
Fluid Loss: N/A
Source of Sample: N/A
Rm @ Meas. Temp: N/A
Rmf @ Meas. Temp: N/A
Rmc @ Meas. Temp: N/A
Source: Rmf: Rmc: OR ARRIVAL
Rm @ BHT: N/A
Time Since Circ.: N/A
Time Logger at Bottom: N/A
Max. Recorded Temp.: N/A
Equipment Number: 153
Location: FLATIRONS
Recorded By: P. SPILLERS
Witnessed By:

Run No. | Bore-Hole Record | Casing Record
ONE | 14.75" @ 1950' | 16" @ SURFACE WT. 84 LB/FT GRADE H-40 SET @ 1950'

Type Log: DUAL INDUCTION BOREHOLE COMPENSATED SONIC FLUID CONDUCTIVITY / TEMP
Density/Viscosity
Type Fluid in Hole
Resistivity
Temperature
Source of Sample
Rm @ Meas. Temp.
Rmf @ Meas. Temp.
Rmc @ Meas. Temp.
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max. Rec. Temp. Deg. F
Equipment Number
Location
Recorded By
Witnessed By

Run No. | Bore-Hole Record | Casing Record
ONE | 14.75" @ 1950' | 16" @ SURFACE WT. 84 LB/FT GRADE H-40 SET @ 1950'

Bit Size | From | To | Size | Wgt. | Grade | Top | Bottom

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

OTHER SERVICES:

DUAL INDUCTION
BOREHOLE COMPENSATED SONIC
FLUID CONDUCTIVITY / TEMP

BOREHOLE VOLUME IN BARRELS

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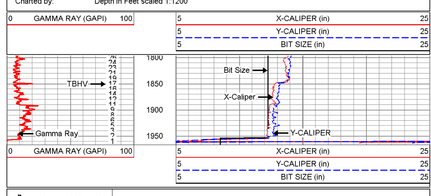
## MAIN PASS

Database File: bellelw1.db
Dataset Pathname: run5/pass2
Presentation Format: GRXYC
Dataset Creation: Thu Mar 09 07:56:16 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:1200

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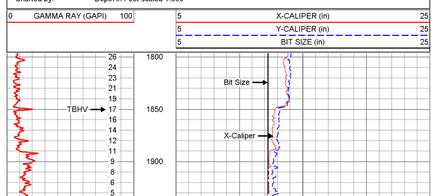
MAIN PASS

Database File: bellelw1.db
Dataset Pathname: run5/pass2
Presentation Format: GRXYC
Dataset Creation: Thu Mar 09 07:56:16 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:600

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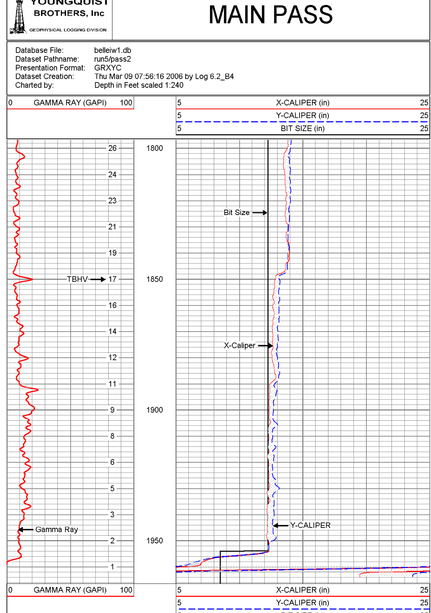
MAIN PASS

Database File: bellelw1.db
Dataset Pathname: run5/pass2
Presentation Format: GRXYC
Dataset Creation: Thu Mar 09 07:24:17 2006
Charted by: Depth in Feet scaled 1:240




## XY Caliper Calibration Report

Serial Number/Model: 06SM-XYCSM
Performed: Thu Mar 09 07:24:17 2006

| Ring | | | X Caliper | | Y Caliper | |
|---|---|---|---|---|---|---|
| 1: | 5.81 | in | 324.825 | cps | 275.375 | cps |
| 2: | 13.4 | in | 418.418 | cps | 369.57 | cps |
| 3: | 40 | in | 830.03 | cps | 747.147 | cps |
| 4: | | in | | cps | | cps |
| 5: | | in | | cps | | cps |
| 6: | | in | | cps | | cps |

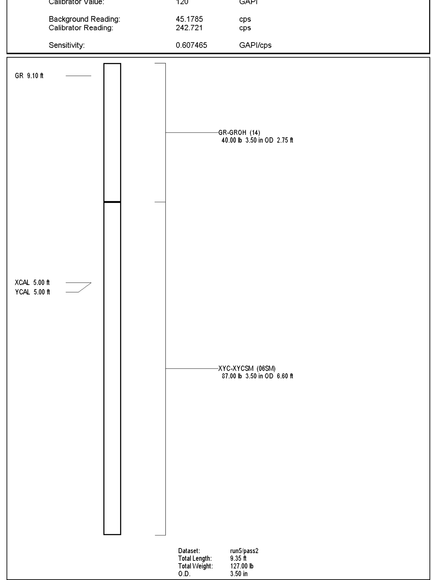
## Gamma Ray Calibration Report

Serial Number: 14
Tool Model: GROH
Performed: Thu Jan 19 15:40:24 2006

Calibrator Value: 120 GAPI

Background Reading: 45.1785 cps
Calibrator Reading: 242.721 cps

Sensitivity: 0.607465 GAPI/cps




Dataset: run5/pass2
Total Length: 9.35 ft
Total Weight: 127.00 lb
O.D. 3.50 in