$L_{u,v} = 1$

$1/u = 1$

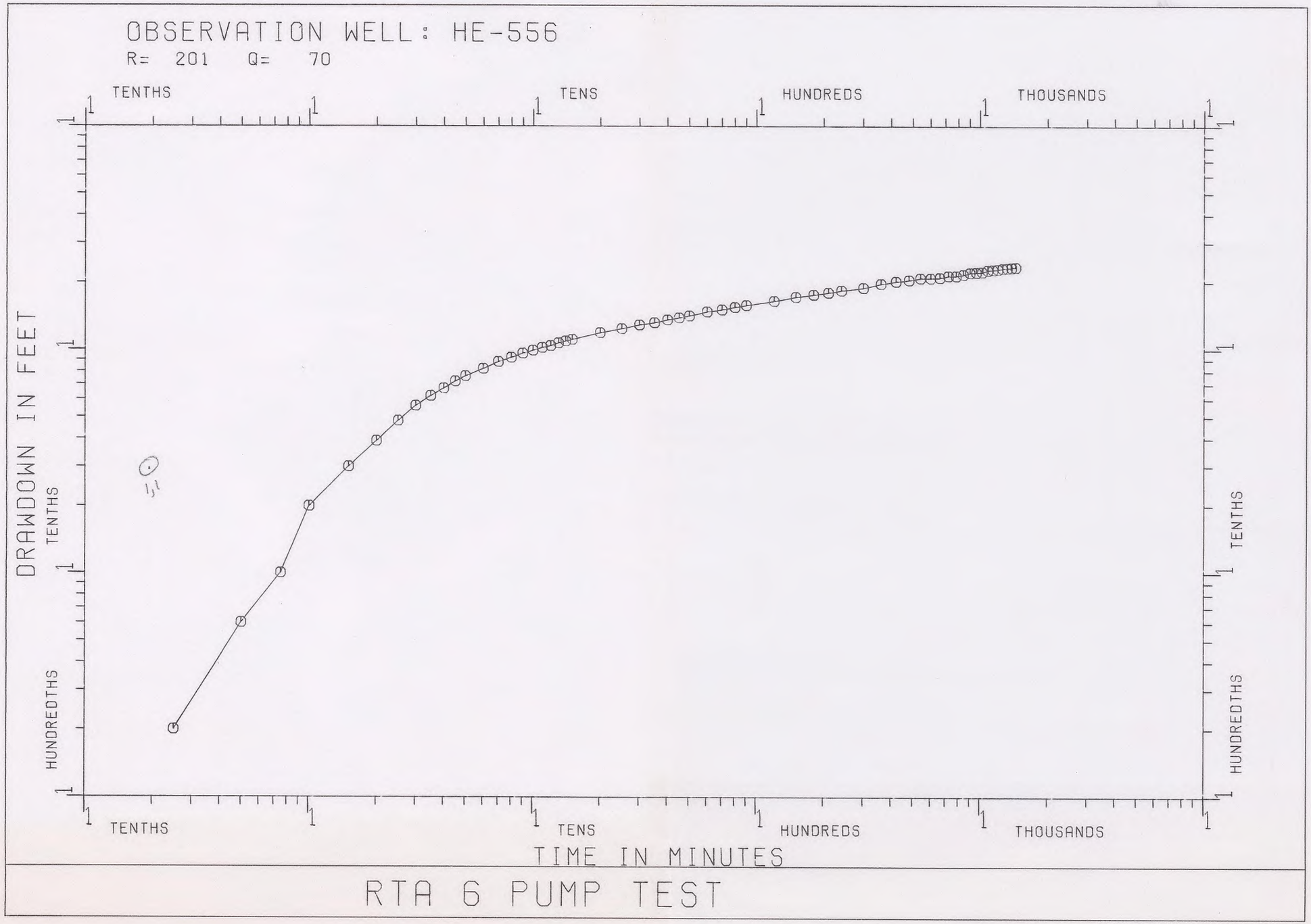
$s = .29$

$t = \frac{.195}{1440}$

$$T = \frac{1440\, Q\, L_{u,v}}{4\pi s(7.48)} = \frac{1440(70)(1)}{4\pi(.29)(7.48)} = 3697.9 \text{ ft}^2/\text{day}$$

$$= 27{,}660 \text{ gpd/ft}$$

$$S = \frac{4T\, t/r^2}{1/u} = \frac{4(3697.9)\frac{.195}{1440}}{\frac{1}{201^2}} = 4.95 \times 10^{-5}$$

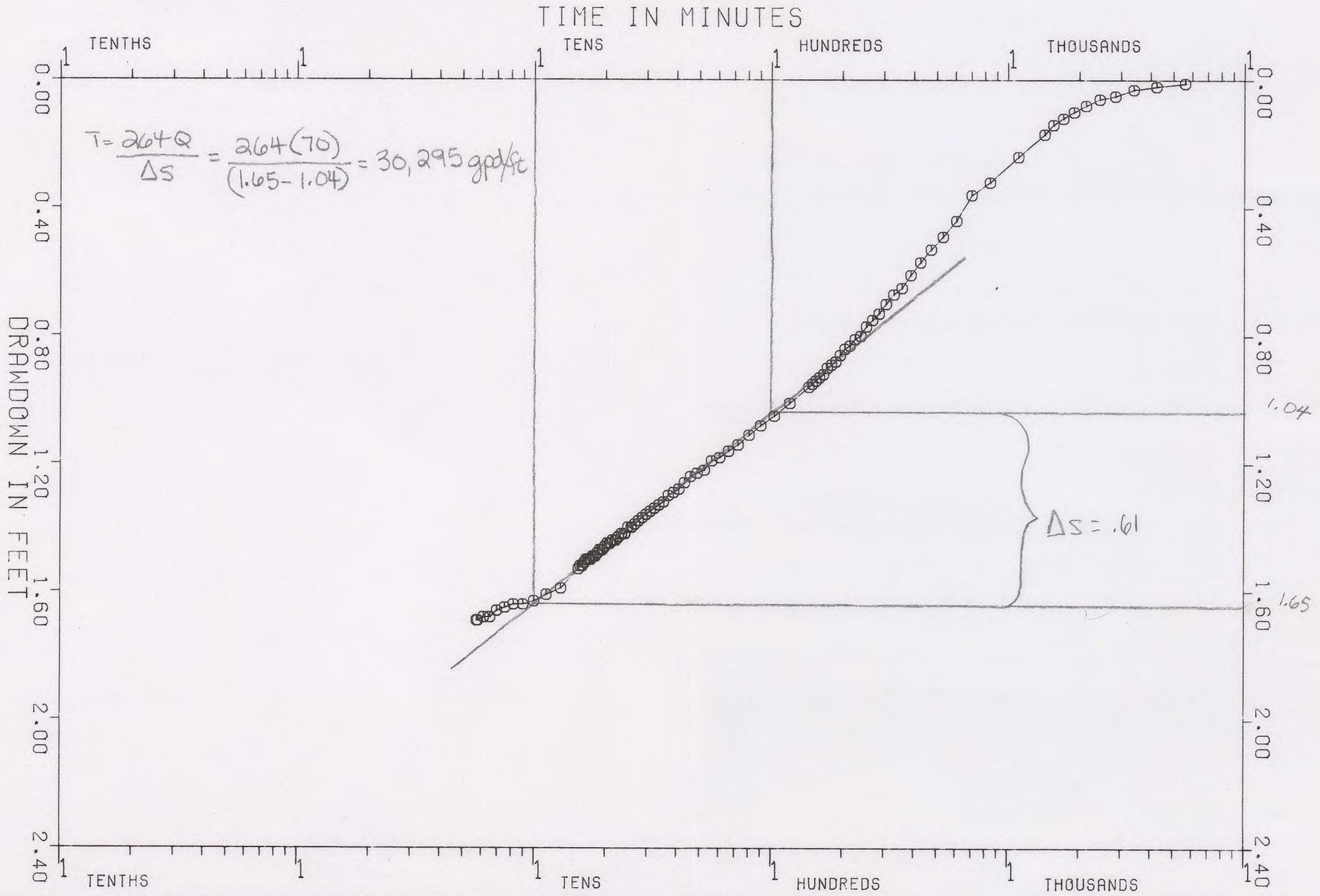


RTA 6 PUMP TEST

RTA 6 RECOVERY

OBSERVATION WELL: HE-556

R= 201 Q= 70



```
  17  .161E-02  3577.     .6033E-04 .2555E-04
  18  .160E-02  3575.     .6047E-04 .2584E-04
  19  .160E-02  3573.     .6060E-04 .2611E-04
  20  .160E-02  3570.     .6072E-04 .2638E-04
  21  .160E-02  3568.     .6084E-04 .2664E-04
  22  .160E-02  3566.     .6096E-04 .2689E-04
  23  .159E-02  3564.     .6107E-04 .2714E-04
  24  .159E-02  3562.     .6119E-04 .2738E-04
  25  .159E-02  3560.     .6129E-04 .2761E-04
  26  .159E-02  3558.     .6140E-04 .2784E-04
  27  .159E-02  3556.     .6150E-04 .2806E-04
  28  .159E-02  3555.     .6160E-04 .2828E-04
  30  .159E-02  3554.     .6164E-04 .2838E-04
  31  .159E-02  3554.     .6165E-04 .2844E-04

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS
ITER  FUNCTION  TRANSMISS STORTIVTY SPEC_LEAK
  31  .159E-02  3554.     .6166E-04 .2844E-04
FRACTIONAL COMPONENTS OF FUNCTION VALUE
WELL #    1
      1.000

DO YOU WANT A SENSITIVITY ANALYSIS ? (Y/N)

             SENSITIVITY ANALYSIS


   TWO STANDARD DEVIATION CONFIDENCE INTERVALS
-------------------------------------------------
PARAMETER     VALUE       LOWER LIMIT    UPPER LIMIT

TRANSMISS   3554.          3543.          3564.
STORTIVTY   .6166E-04      0.0000         0.4477E-03
SPEC_LEAK   .2845E-04      0.0000         0.1057E-02


TO CONTINUE ENTER "RETURN"
```

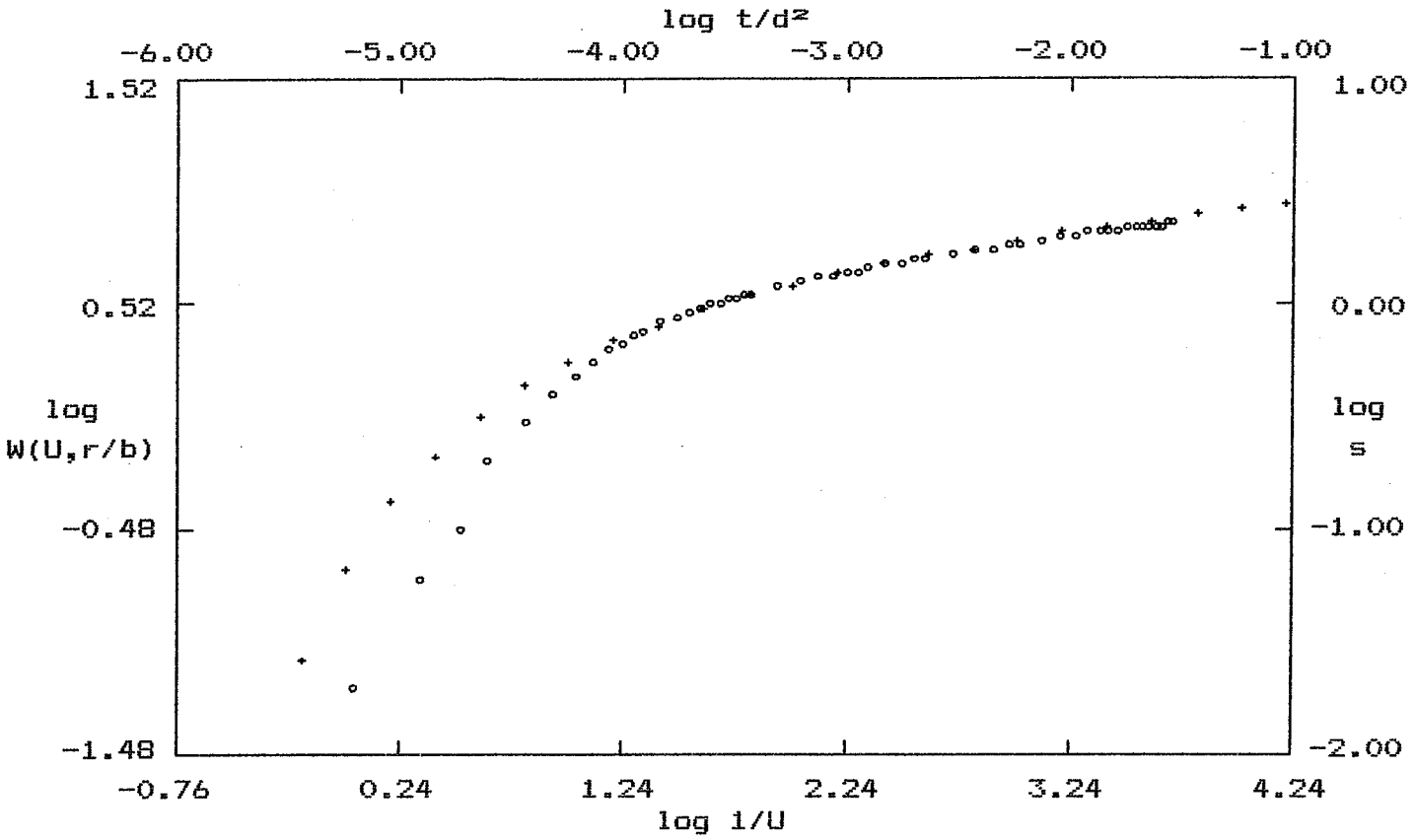
RTAG

$T = 25,088$ gpd/ft

$S = 6.166 \times 10^{-5}$

$K'/b' = 2.849 \times 10^{-5}$ day^{-1}

PUMP TEST DATA



o - Data

\+ - Type Curve
Confined Leaky: r/B = Theis

SOLUTION

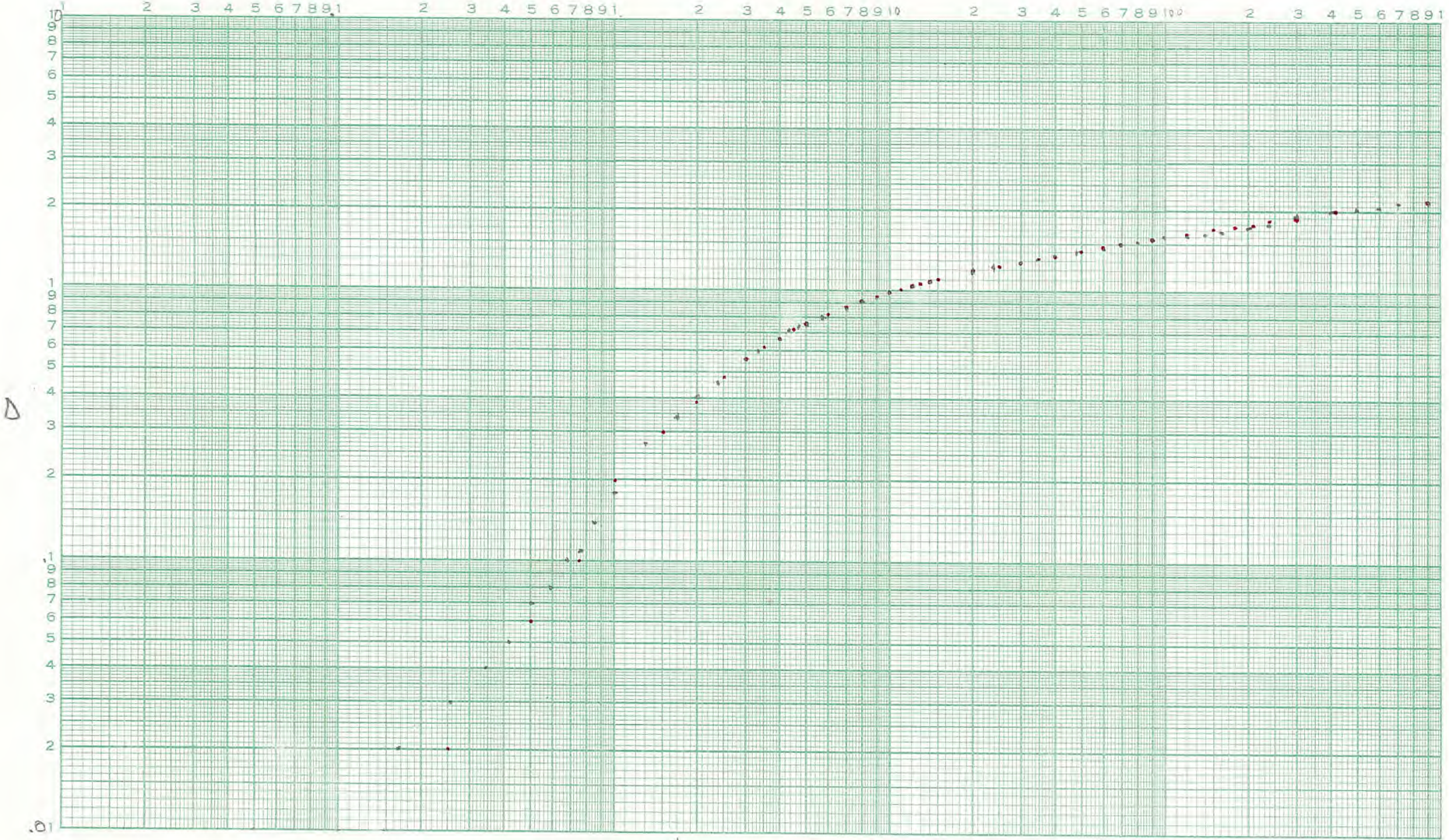
Transmissivity = 2.466E+00 ft.²/min. = 25,562 gpd/ft
Storativity = 5.676E-05

RTA6

Full Logarithmic, 3 x 5

RTA-6 S

- in situ
- hand tape



$t = .7$ min (.30)
$D = .5$ ft (.32)
$r = .04$
$L(u,v) = 1$
$\frac{1}{u} = \Phi$

$T = \frac{Q}{4\pi D} L(u,v) = \frac{70 \text{ gpm } (1440 \text{ mpd})}{4(\pi)\ 0.5 \text{ ft}} \times 1 = 16{,}000$

$S = 4T\ \frac{t/r^2}{1/u} = 4(2140 \text{ ft}^2/\text{day})\ \frac{4.7 \times 10^{-4} / 4.04 \times 10^{4}}{1} = 1 \times 10^{-4}$

$\frac{K'}{b'} = 4T\ \frac{r^2}{t^2} = 2.5 \times 10^{-3}$

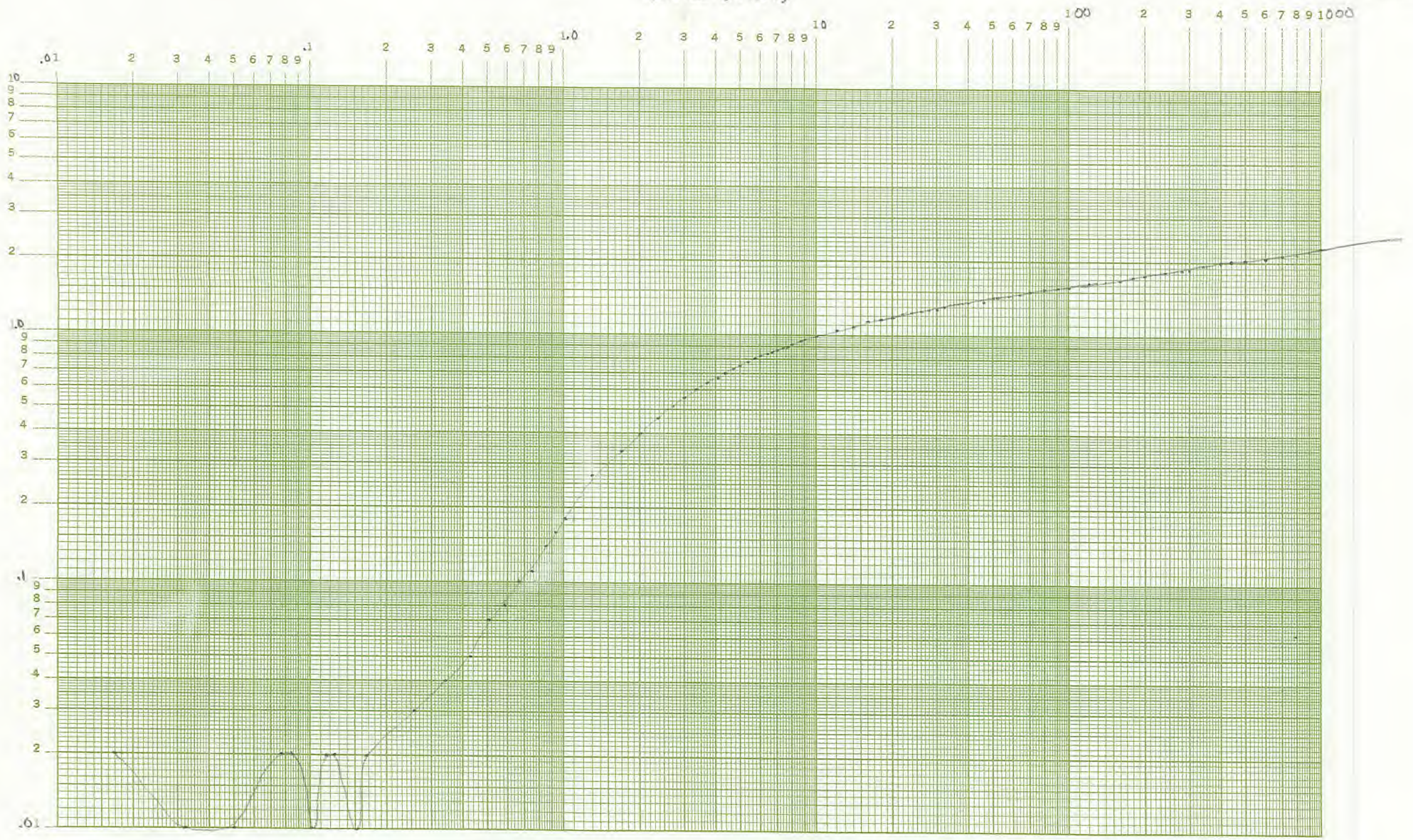
K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

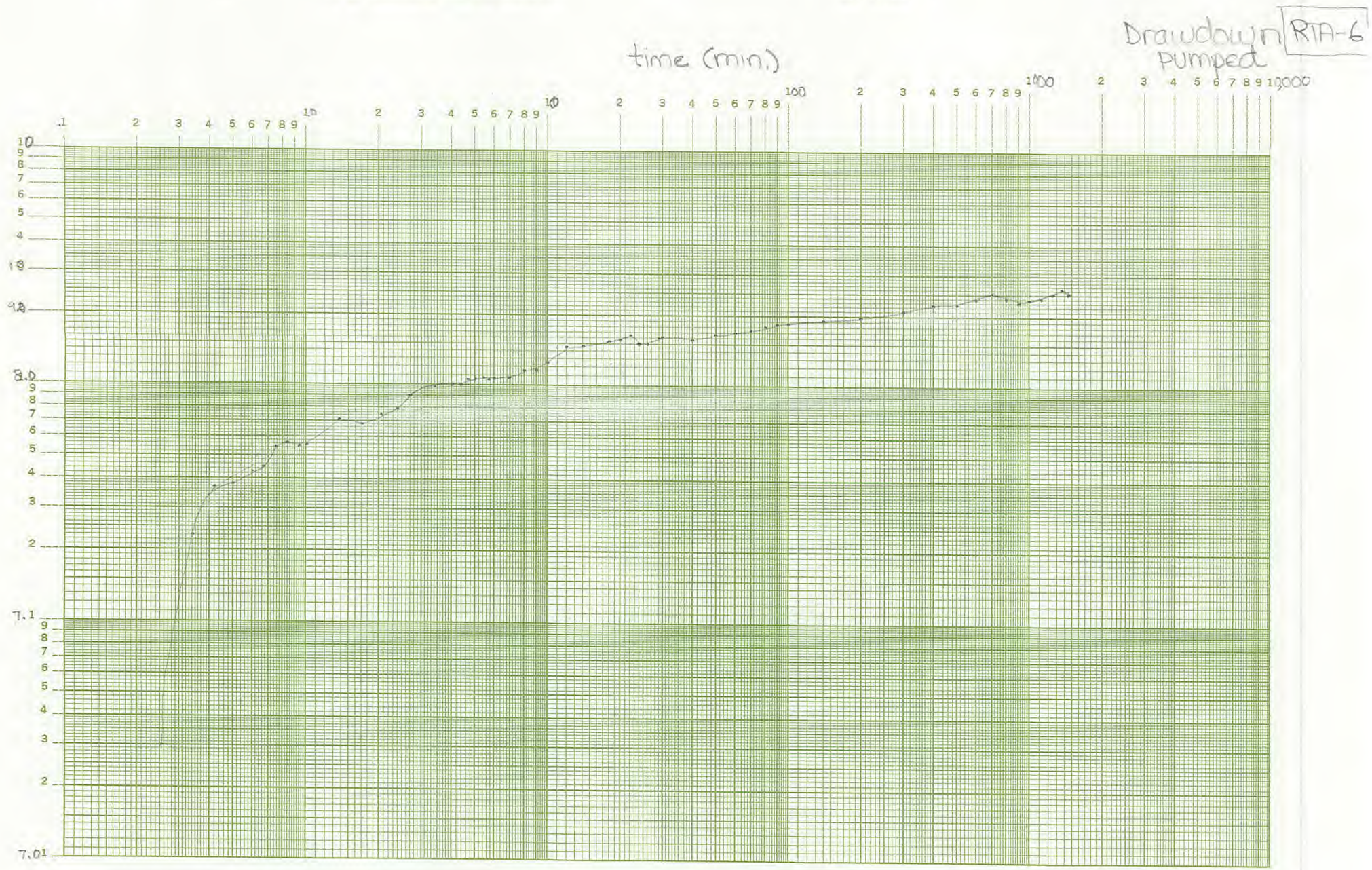
9200

46 7522

RTA-6
OB #1
DRAWDOWN

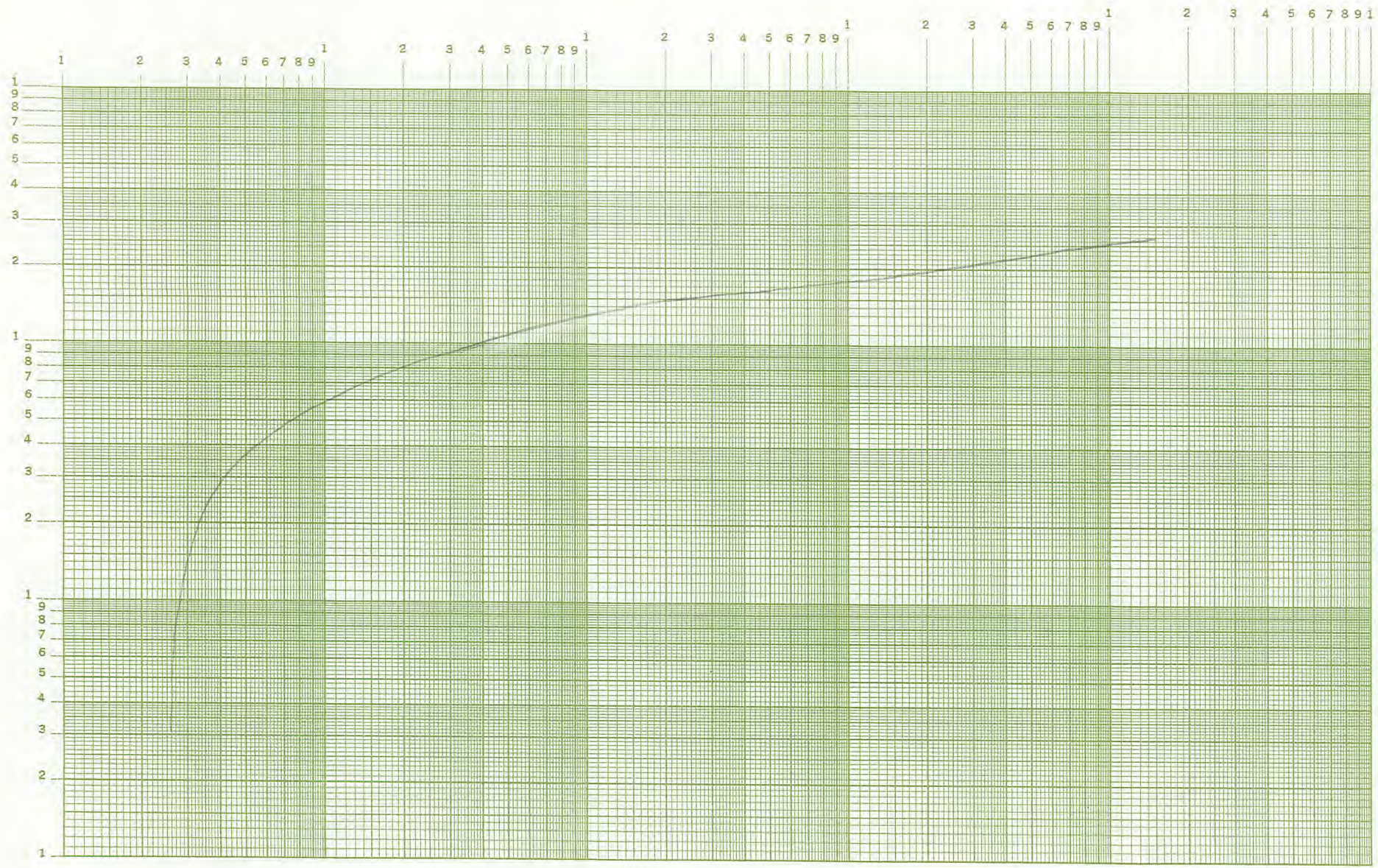
time (min)




K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 7522
Drawdown pumped
RTA-6
time (min.)
.1 2 3 4 5 6 7 8 9 1.0 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 100 2 3 4 5 6 7 8 9 1000 2 3 4 5 6 7 8 9 10000
10
9
8
7
6
5
4
3
2
8.0
9
8
7
6
5
4
3
2
7.1
9
8
7
6
5
4
3
2
7.01

K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522



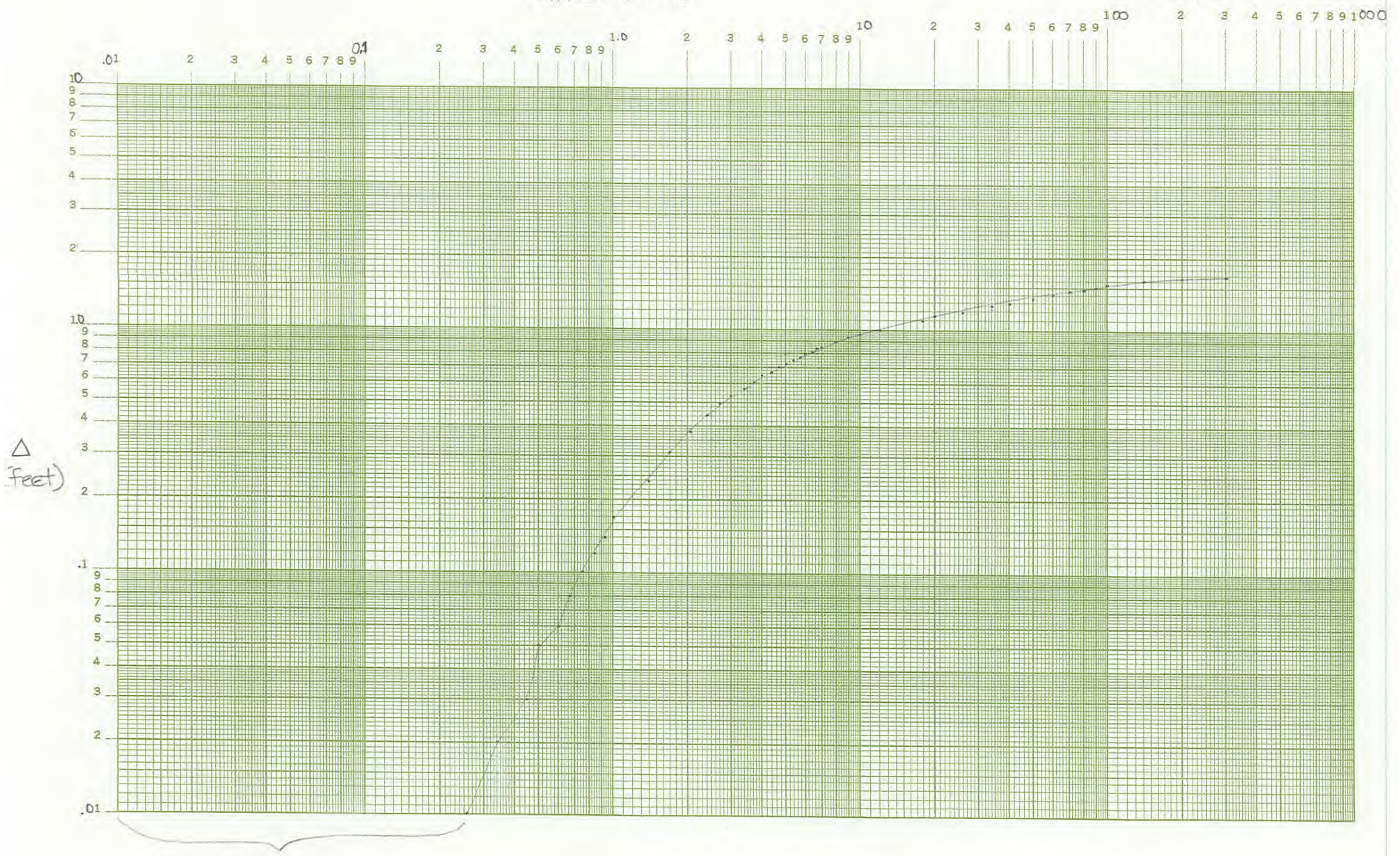
RTA-6

K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522

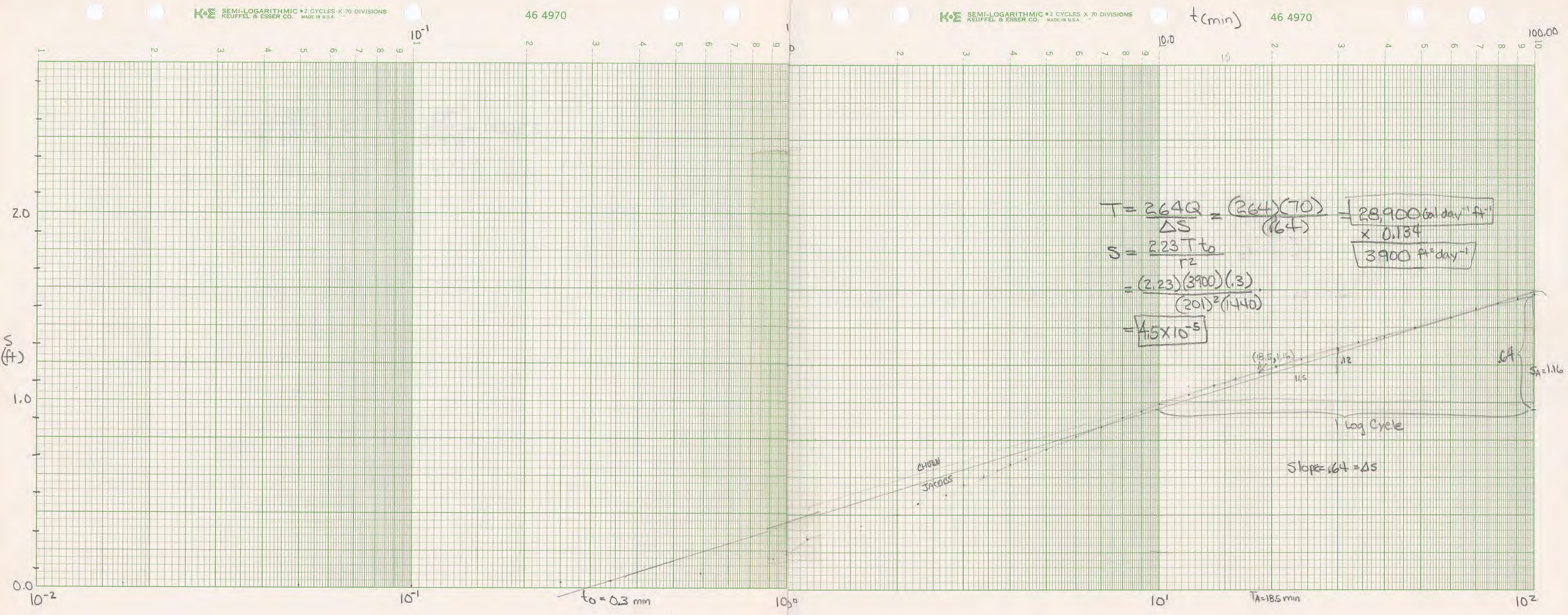
46 7522

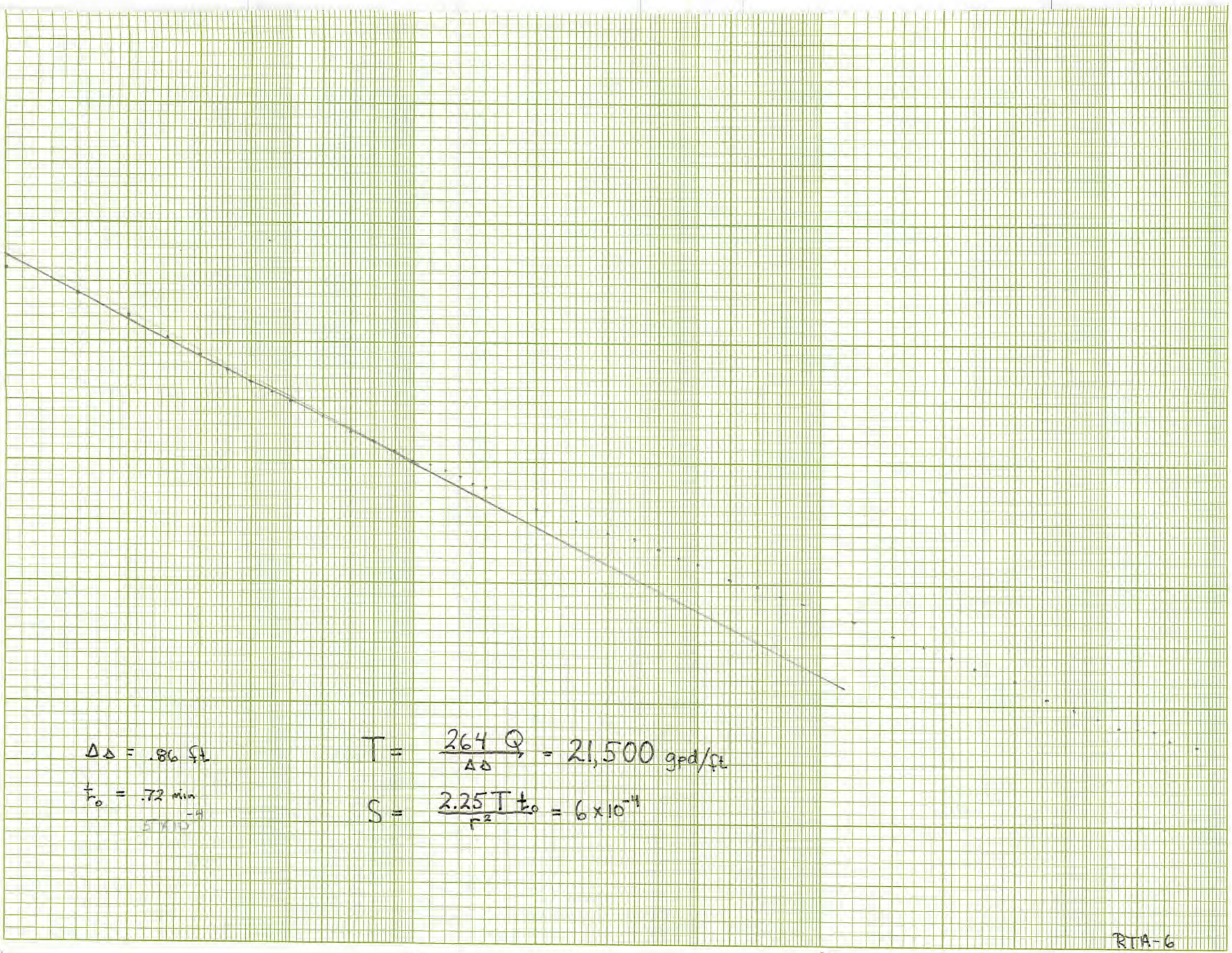
Recovery Ob #1 RTA-6



Still drawing down.

c 0.017 → -0.02 ft. c 0.084 → -0.00 ft
0.034 → -0.01 " 0.167 → -0.00 ft


K•E SEMI-LOGARITHMIC • 2 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 4970
t (min)
S (ft)
2.0
1.0
0.0
10^-2
10^-1
10^0
10^1
10^2
T = 264Q / ΔS = (264)(70) / (.64) = 28,900 gal day^-1 ft^-1
x 0.134
3900 ft^2 day^-1
S = 2.23 T t0 / r^2
= (2.23)(3900)(.3) / (201)^2(1440)
= 4.5 x 10^-5
(18.5, 1.16)
.12
11.5
.64
SA = 1.16
1 Log Cycle
Slope = .64 = ΔS
CHURN
JACOBS
t0 = 0.3 min
TA = 18.5 min



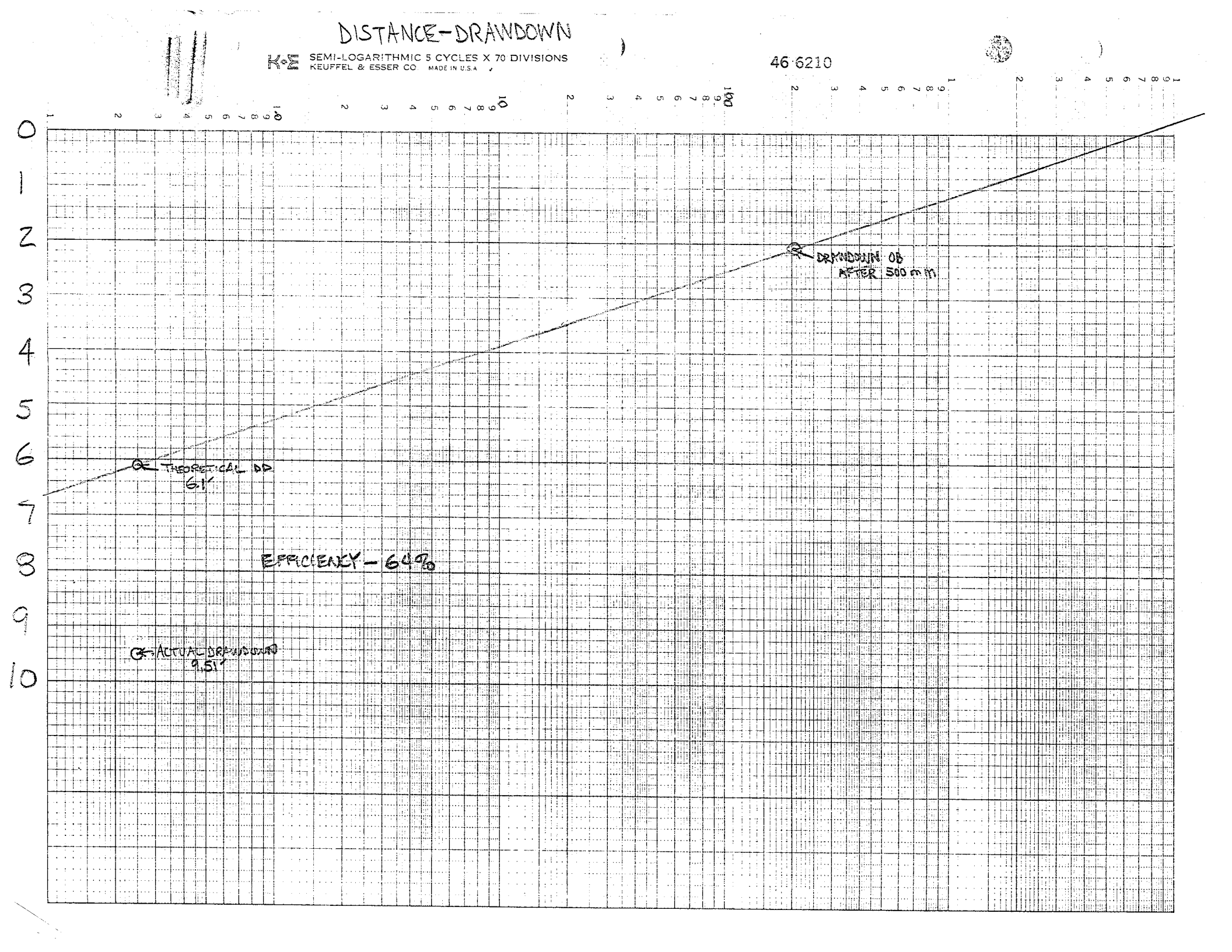
$\Delta s = .86$ ft

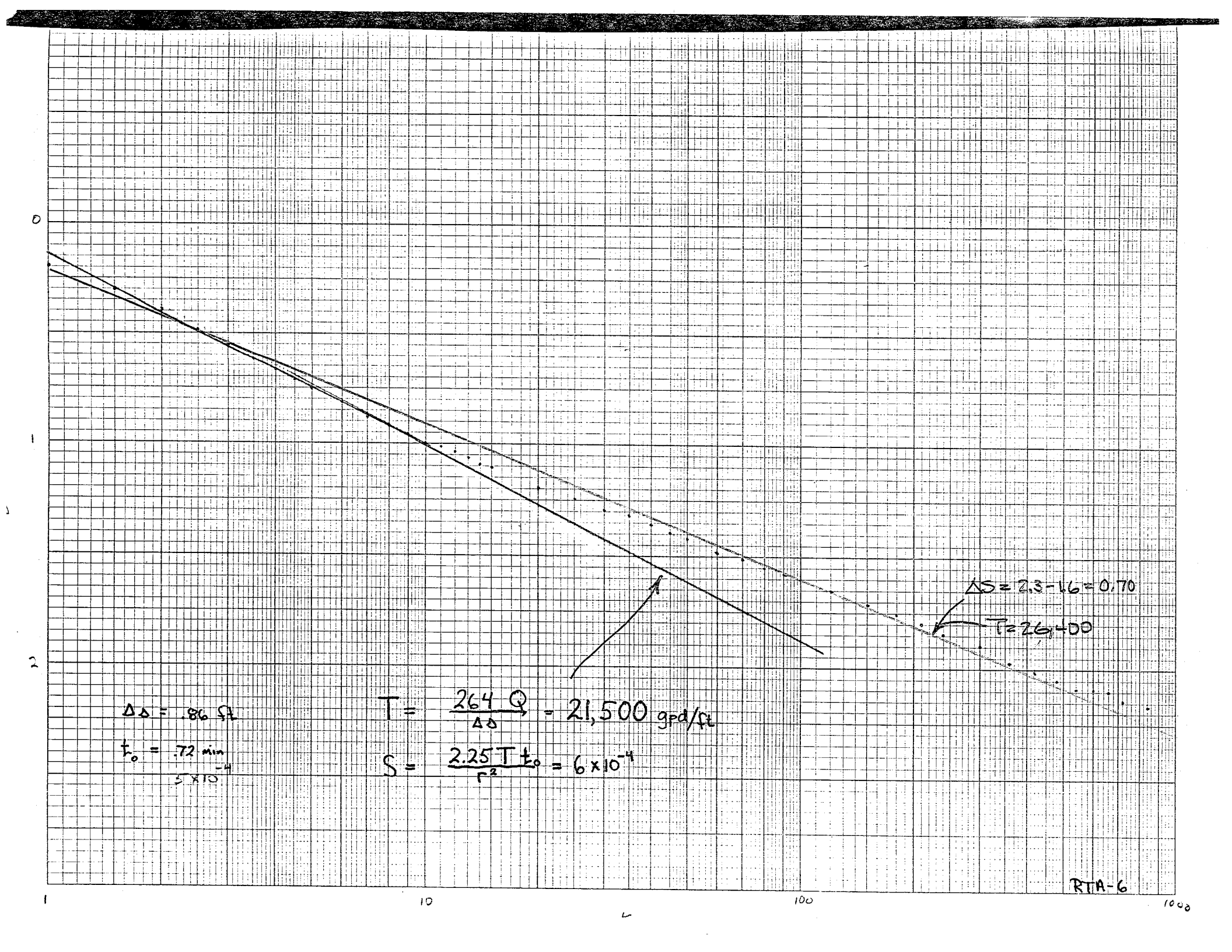
$t_o = .72$ min

$T = \frac{264\,Q}{\Delta s} = 21{,}500$ gpd/ft

$S = \frac{2.25\,T\,t_o}{r^2} = 6 \times 10^{-4}$

RTA-6


DISTANCE-DRAWDOWN
K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 6210
DRAWDOWN OB AFTER 500 min
THEORETICAL DD 6.1'
EFFICIENCY - 64%
ACTUAL DRAWDOWN 9.51'



$\Delta s = .86$ ft

$t_o = \frac{.72 \text{ min}}{5 \times 10^{-4}}$

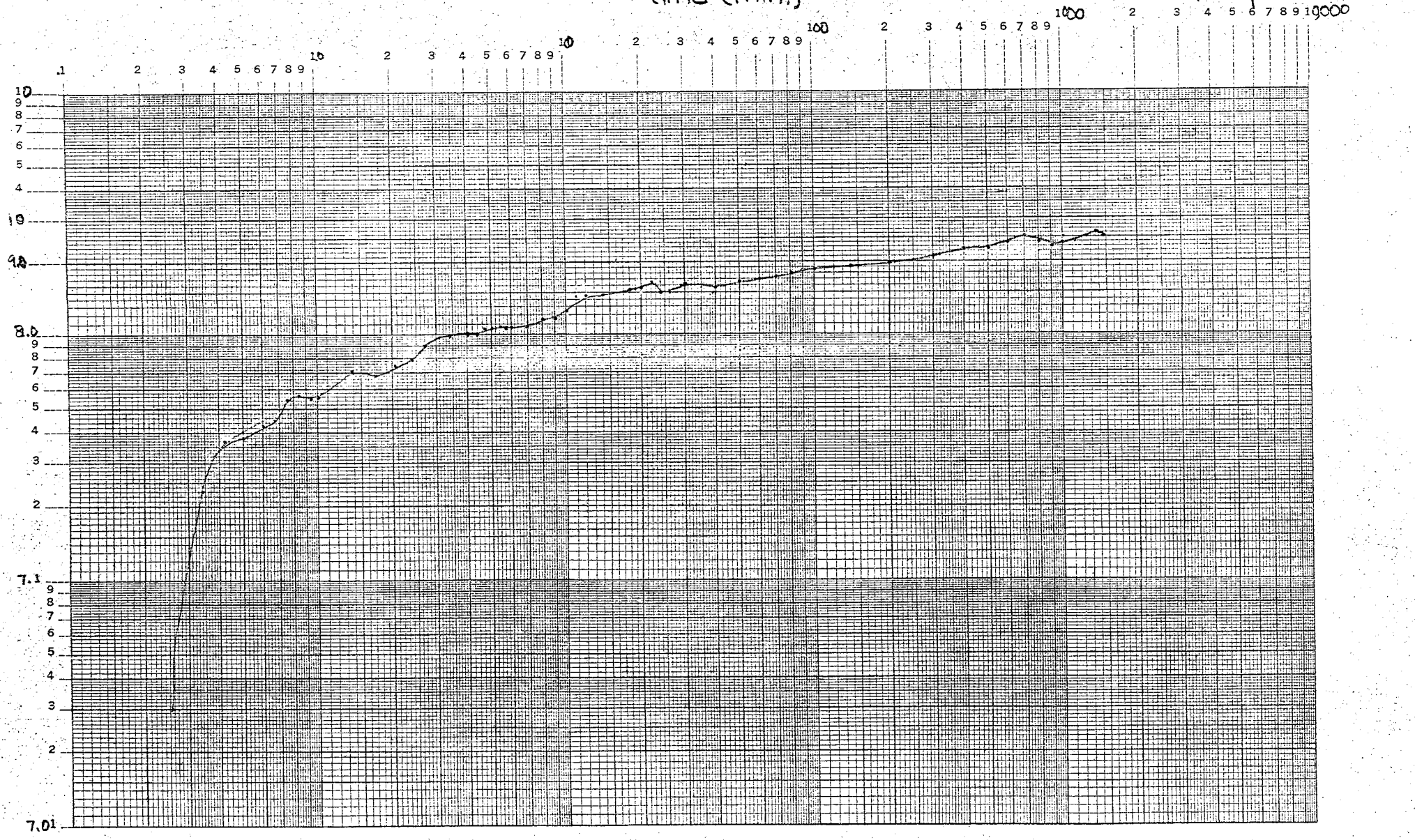
$$T = \frac{264\,Q}{\Delta s} = 21{,}500 \text{ gpd/ft}$$

$$S = \frac{2.25\,T\,t_o}{r^2} = 6 \times 10^{-4}$$

K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

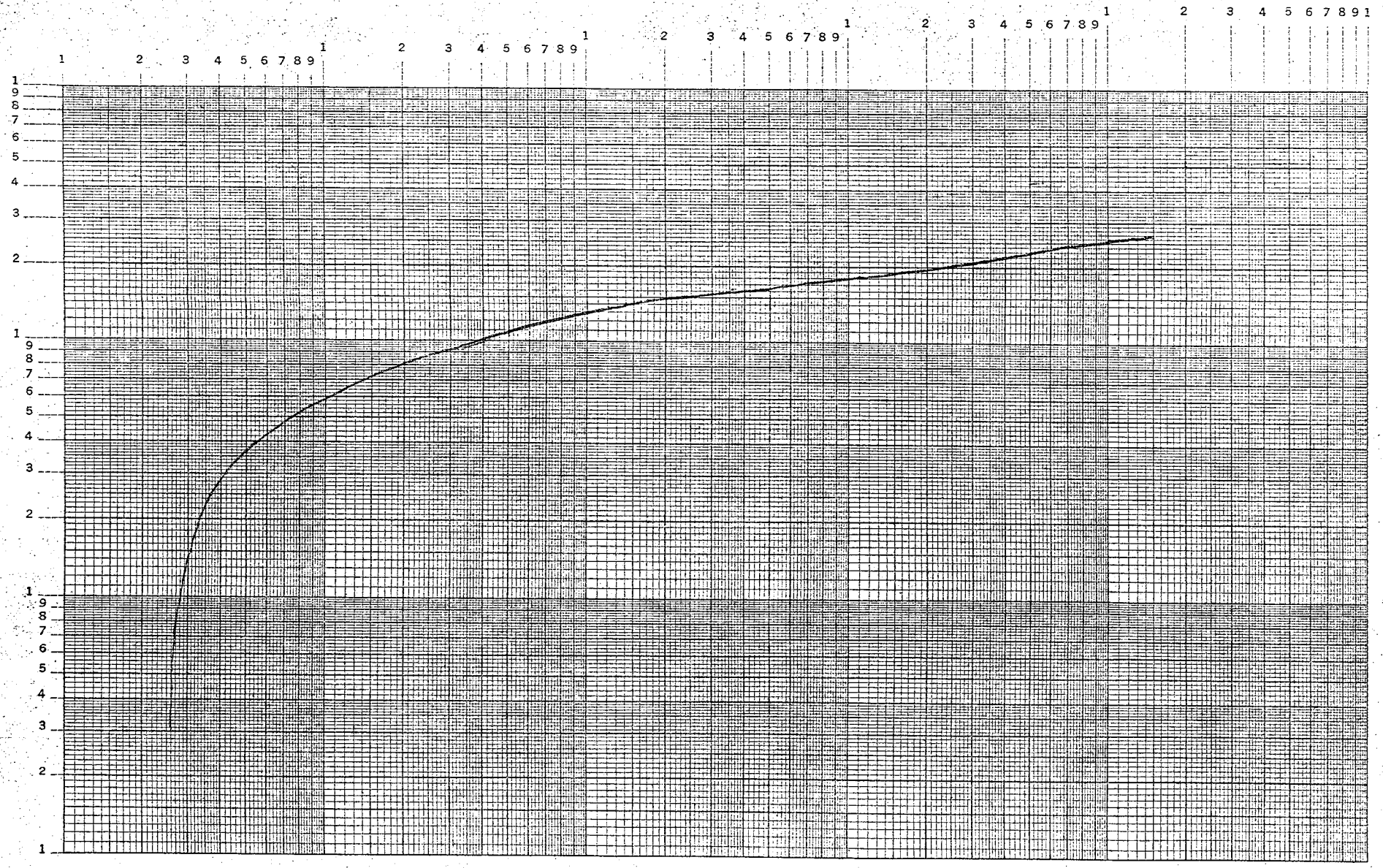
46 7522

Drawdown RTA-6
pumped



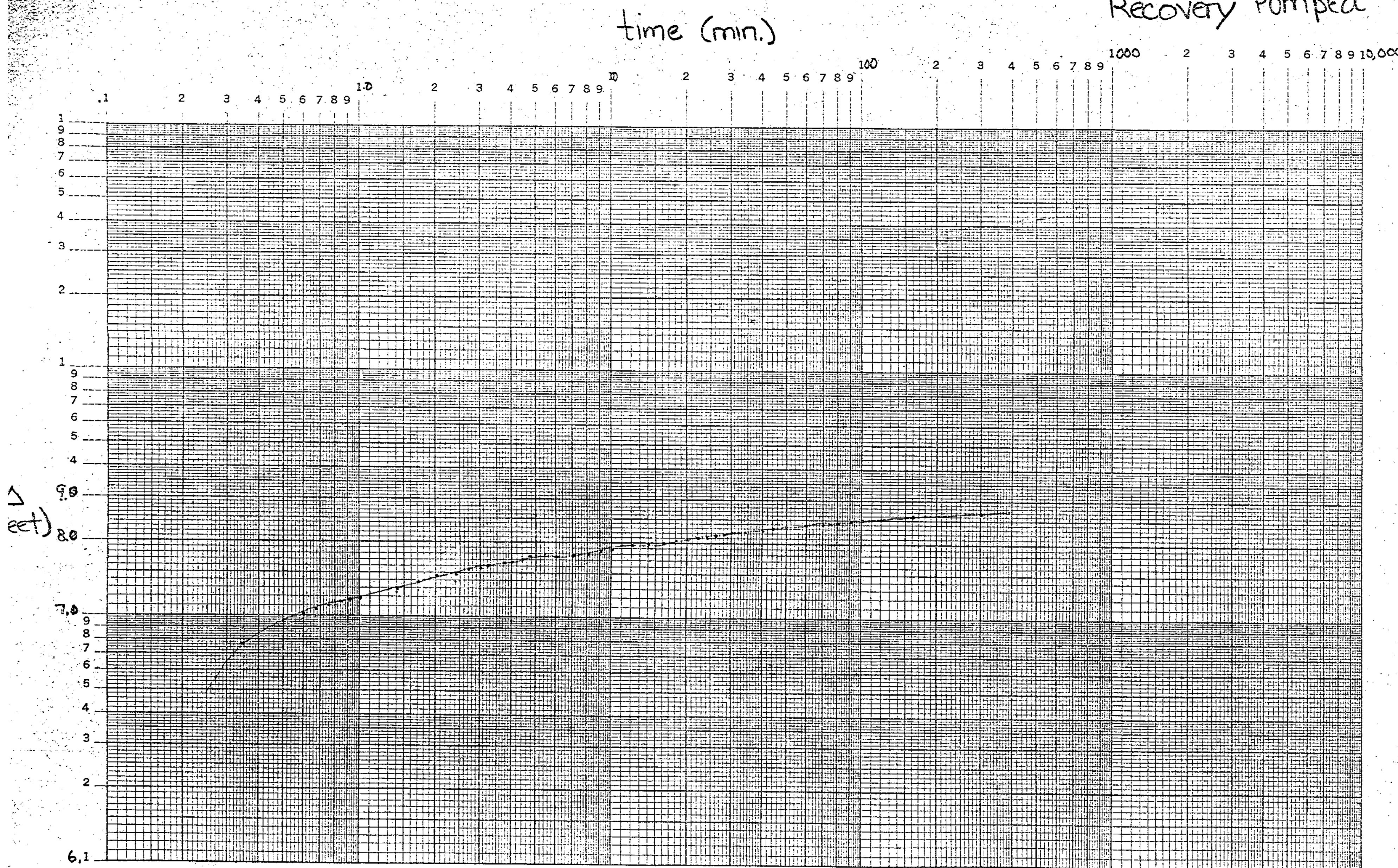
K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522



RTA-6

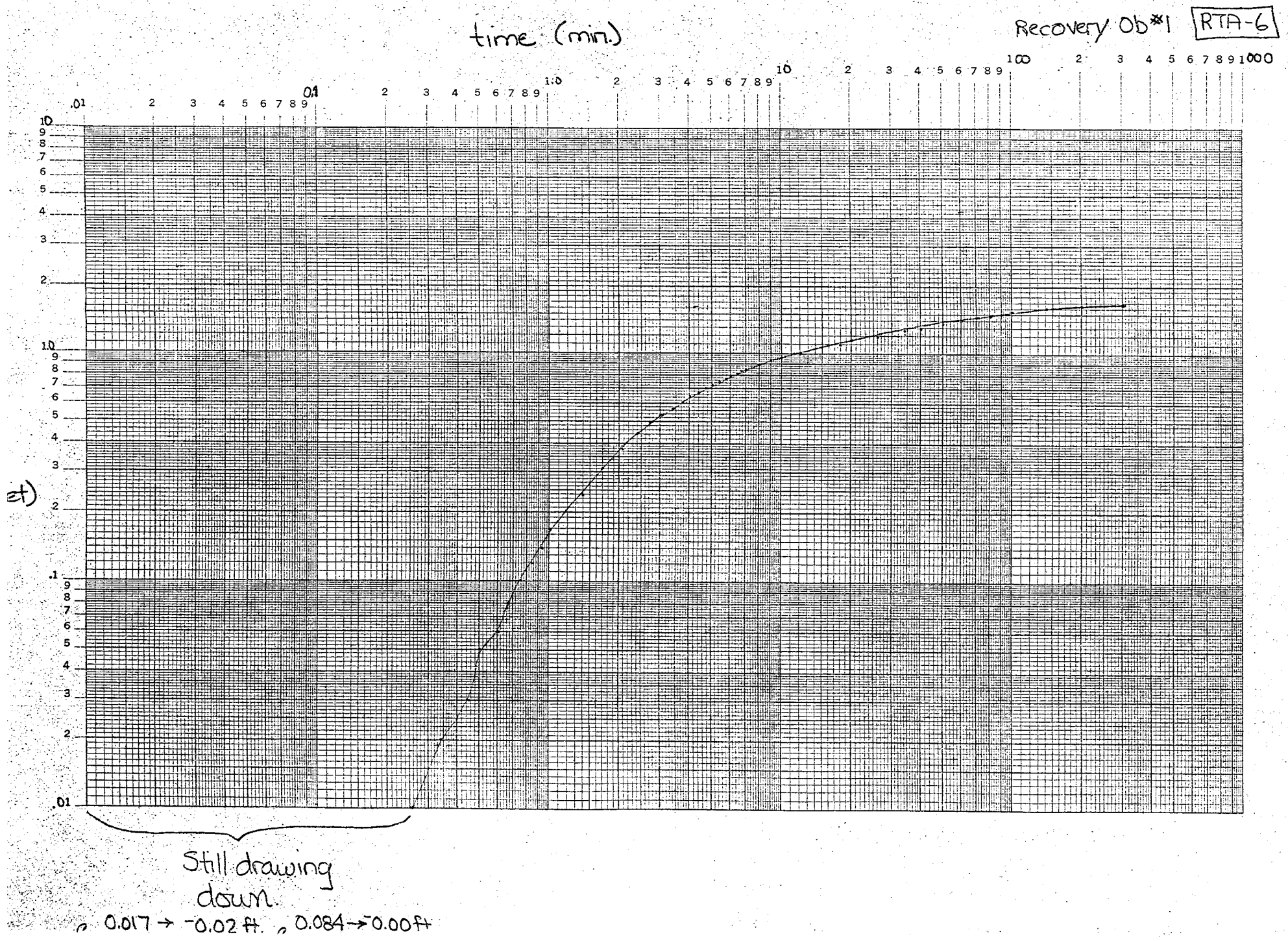
Recovery Pumped



K&E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522

Recovery Ob #1 RTA-6



RTA-6

RTA-6/RECOVERY
Run 1
24/25/84

SE200R DATA
constant rate test

TRANSDUCER TABLE

Input 1: PUMPED
Transducer s/n: 28
Scale factor: 9.96
Initial level: 24.15 feet

Input 2: OB #1
Transducer s/n: 113
Scale factor: 9.96
Initial level: 13.84 feet

FAST DATA

Input 3: OB #2
Transducer s/n: 171
Scale factor: 49.63
Initial level: 9.69 feet

PUMP SCHEDULE

Drawdown for 1800 min
Pump at 70 GPM

Recovery for 600 min

SAMPLING SCHEDULE

0-10	sec	@	1 sec
10-60	sec	@	5 sec
1-10	min	@	20 sec
10-100	min	@	2 min
100-1000	min	@	20 min
1000-10000	min	@	60 min
10000-99999	min	@	200 min

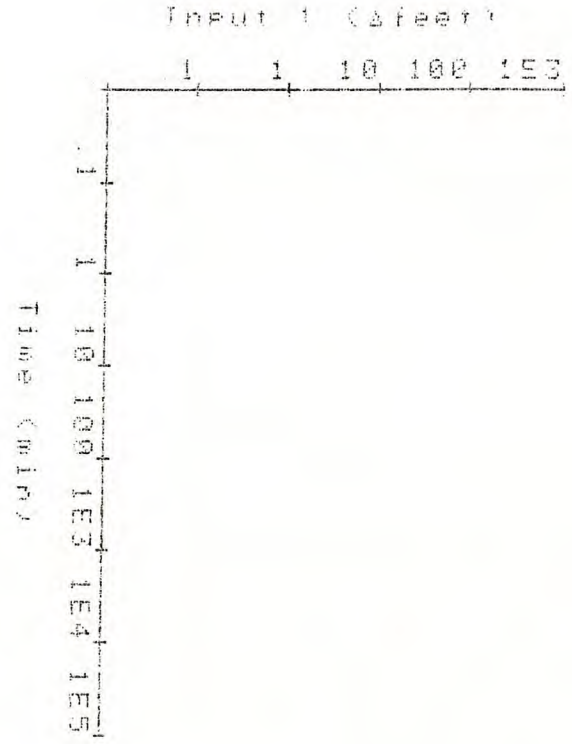
RECOVERY REPORT

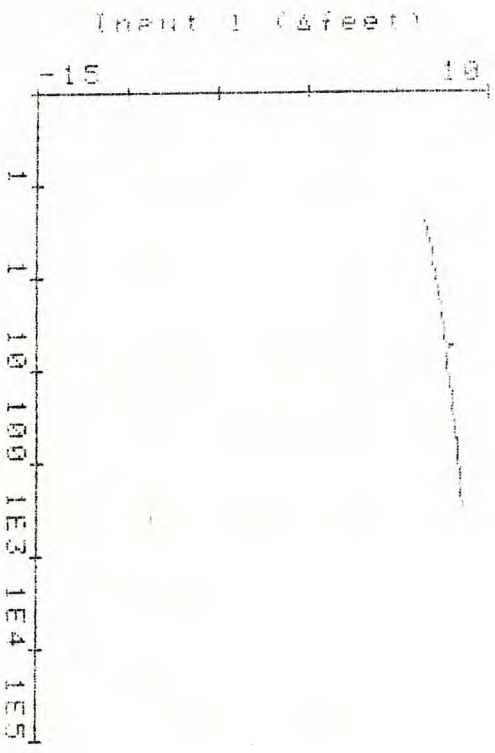
Started at 1613
Lasted 304.83 min

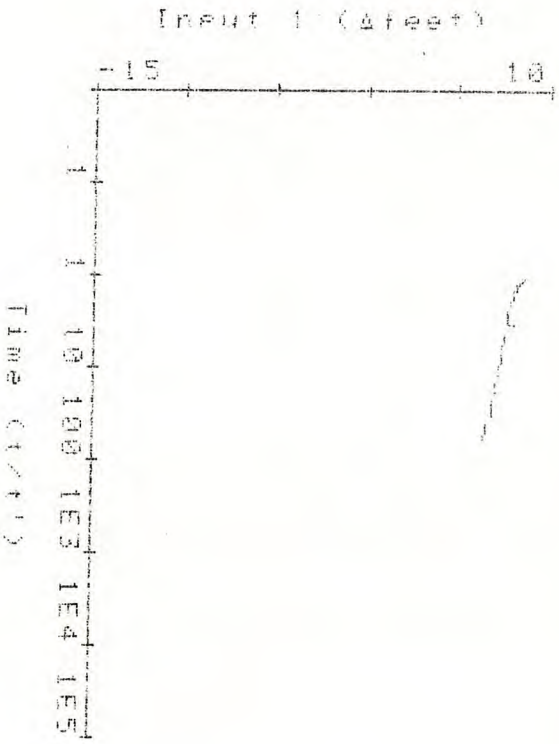
Input 1 (feet):

Time	ET (min)	level	Δlevel
1613	0.257	17.59	6.56
1613	0.340	17.38	6.77
1613	0.424	17.27	6.88
1613	0.507	17.19	6.96
1613	0.590	17.14	7.01
1613	0.674	17.09	7.06
1613	0.757	17.05	7.10
1613	0.840	17.02	7.13
1613	0.924	16.99	7.17
1614	1.007	16.96	7.19
1614	1.380	16.85	7.30
1614	1.713	16.77	7.38
1615	2.047	16.72	7.44
1615	2.380	16.66	7.49
1615	2.713	16.62	7.53
1616	3.047	16.58	7.57
1616	3.380	16.55	7.60
1616	3.713	16.52	7.64
1617	4.046	16.49	7.66
1617	4.380	16.46	7.69
1617	4.713	16.42	7.73
1618	5.047	16.40	7.75
1618	5.380	16.38	7.77
1618	5.713	16.35	8.10
1619	6.046	16.40	7.75
1619	6.380	16.39	7.76
1619	6.713	16.38	7.77
1620	7.046	16.38	7.77
1620	7.380	16.37	7.79
1620	7.713	16.35	7.80
1621	8.046	16.34	7.81
1621	8.380	16.33	7.83
1621	8.713	16.31	7.84
1622	9.046	16.30	7.85
1622	9.380	16.29	7.87
1622	9.713	16.27	7.88
1623	10.047	16.26	7.89
1625	12.137	16.20	7.95
1627	14.138	16.15	7.99
1629	16.137	16.13	8.02
1631	18.082	16.10	8.06
1633	20.180	16.06	8.09
1635	22.180	16.07	8.08
1637	24.180	16.02	8.13
1639	26.180	16.00	8.16
1641	28.180	15.98	8.18
1643	30.180	15.98	8.18
1645	32.180	15.96	8.19
1647	34.180	15.94	8.21
1649	36.180	15.93	8.23
1651	38.092	15.92	8.24
1653	40.178	15.90	8.25
1655	42.133	15.88	8.27
1657	44.133	15.87	8.29

1701	48.133	15.84	0.31
1703	50.133	15.83	0.32
1705	52.133	15.82	0.33
1707	54.133	15.81	0.35
1709	56.133	15.80	0.35
1711	58.133	15.79	0.37
1713	60.133	15.78	0.37
1715	62.133	15.77	0.38
1717	64.133	15.76	0.39
1719	66.133	15.76	0.39
1721	68.133	15.75	0.40
1723	70.133	15.75	0.41
1725	72.133	15.74	0.41
1727	74.133	15.73	0.42
1729	76.133	15.73	0.43
1731	78.133	15.72	0.43
1733	80.133	15.71	0.44
1735	82.133	15.70	0.45
1737	84.133	15.69	0.46
1739	86.133	15.69	0.46
1741	88.133	15.68	0.47
1743	90.133	15.67	0.48
1745	92.133	15.67	0.48
1747	94.133	15.67	0.48
1749	96.133	15.66	0.49
1751	98.133	15.65	0.50
1753	100.130	15.65	0.50
1813	120.300	15.59	0.56
1833	140.300	15.58	0.58
1853	160.300	15.55	0.60
1913	180.300	15.54	0.62
1933	200.230	15.54	0.61
1953	220.230	15.52	0.63
2013	240.500	15.52	0.63
2033	260.300	15.33	0.83
2053	280.200	15.47	0.68
2113	300.200	15.47	0.68
2117	304.830	15.47	0.68



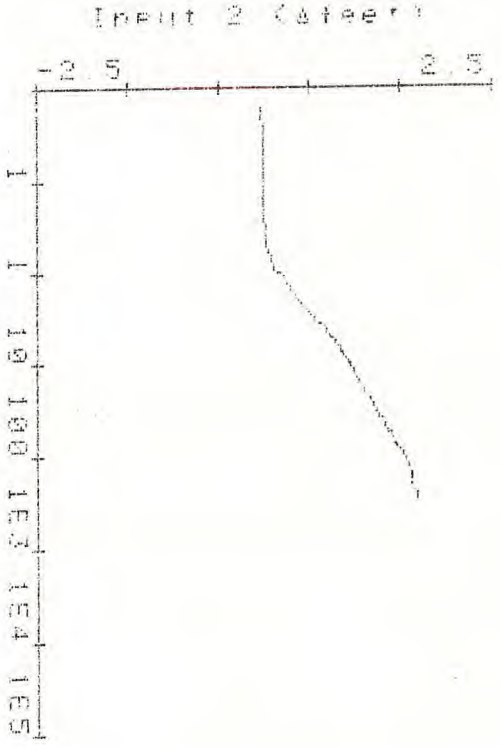


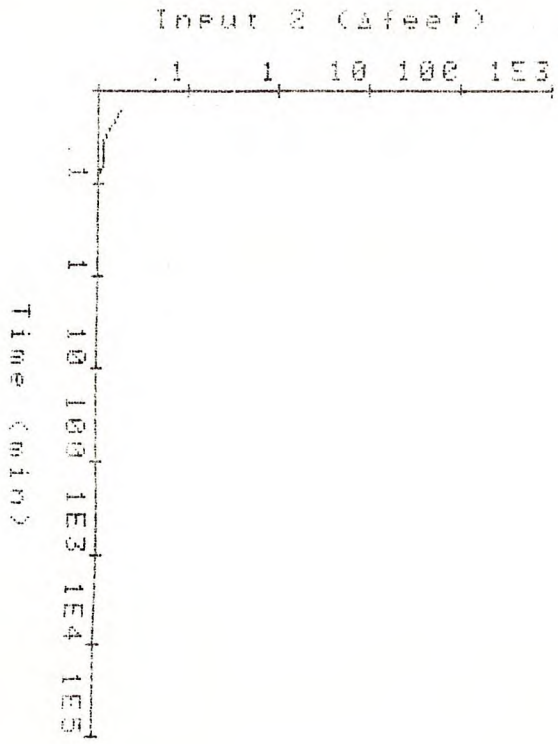


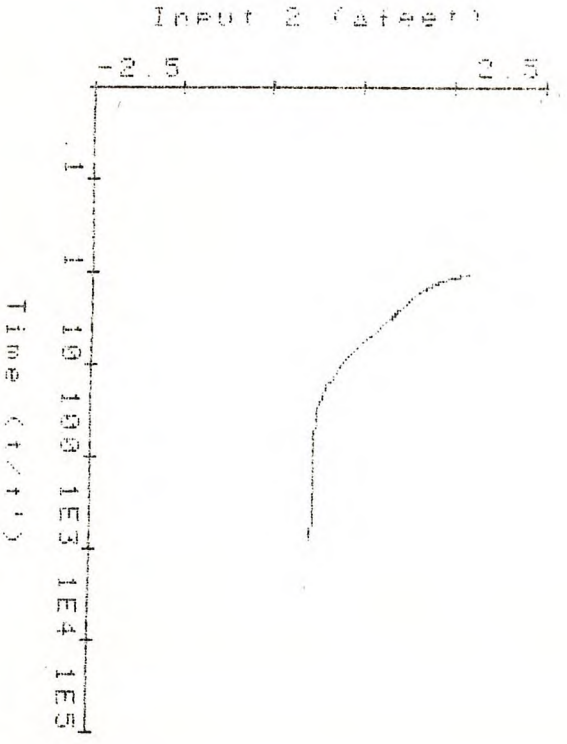
RTA6 Recovery

Input 2 (feet)

Time	ET (min)	level	Δlevel
1613	0.017	13.85 -11.52	-0.02
1613	0.034	13.85	-0.01
1613	0.050	13.85	-0.01
1613	0.067	13.85	-0.01
1613	0.084	13.84	-0.00
1613	0.100	13.84	-0.00
1613	0.117	13.84	0.00
1613	0.134	13.84	0.00
1613	0.150	13.84	0.00
1613	0.167	13.84	0.00
1613	0.257	13.83	0.01
1613	0.340	13.82	0.02
1613	0.424	13.81	0.03
1613	0.507	13.79	0.05
1613	0.590	13.78	0.06
1613	0.674	13.76	0.08
1613	0.757	13.74	0.10
1613	0.840	13.72	0.12
1613	0.924	13.70	0.14
1614	1.007	13.67	0.17
1614	1.380	13.60	0.24
1614	1.713	13.52	0.32
1615	2.047	13.46	0.38
1615	2.380	13.40	0.44
1615	2.713	13.35	0.49
1616	3.047	13.31	0.53
1616	3.380	13.27	0.57
1616	3.713	13.23	0.61
1617	4.046	13.19	0.65
1617	4.380	13.17	0.67
1617	4.713	13.14	0.70
1618	5.047	13.11	0.73
1618	5.380	13.09	0.75
1618	5.713	13.07	0.77
1619	6.046	13.04	0.80
1619	6.380	13.03	0.81
1619	6.713	13.01	0.83
1620	7.046	13.00	0.84
1620	7.380	12.98	0.86
1620	7.713	12.96	0.88
1621	8.046	12.95	0.89
1621	8.380	12.94	0.90
1621	8.713	12.92	0.92
1622	9.046	12.91	0.93
1622	9.380	12.90	0.94
1622	9.713	12.89	0.95
1623	10.047	12.88	0.96
1625	12.137	12.83	1.01
1627	14.138	12.80	1.05
1629	16.137	12.76	1.08
1631	18.092	12.73	1.11
1633	20.180	12.70	1.14
1635	22.180	12.68	1.16
1637	24.180	12.66	1.18
1639	26.180	12.65	1.19
1641	28.180	12.62	1.22
1643	30.180	12.61	1.23
1645	32.180	12.60	1.24
1647	34.180	12.58	1.26
1649	36.180	12.57	1.38
1651	38.092	12.55	1.29
1653	40.178	12.54	1.30
1655	42.133	12.52	1.32
1657	44.133	12.51	1.33
1659	46.133	12.50	1.34
1701	48.133	12.48	1.36
1703	50.133	12.47	1.37
1705	52.133	12.46	1.38
1707	54.133	12.45	1.39
1709	56.133	12.45	1.39
1711	58.133	12.44	1.40
1713	60.133	12.44	1.40
1715	62.133	12.42	1.42
1717	64.133	12.42	1.42
1719	66.133	12.41	1.43
1721	68.133	12.40	1.44
1723	70.133	12.40	1.44
1725	72.133	12.39	1.45
1727	74.133	12.39	1.45
1729	76.133	12.38	1.46
1731	78.133	12.37	1.47
1733	80.133	12.37	1.47
1735	82.133	12.36	1.48
1737	84.133	12.35	1.49
1739	86.133	12.35	1.49
1741	88.133	12.34	1.50
1743	90.133	12.34	1.50
1745	92.133	12.34	1.50
1747	94.133	12.33	1.51
1749	96.133	12.32	1.52
1751	98.133	12.32	1.52
1753	100.130	12.31	1.53
1813	120.300	12.26	1.59
1833	140.300	12.23	1.61
1853	160.300	12.21	1.63
1913	180.300	12.20	1.64
1933	200.230	12.20	1.64
1953	220.230	12.19	1.65
2013	240.580	12.18	1.66
2033	260.300	12.16	1.68
2053	280.200	12.16	1.68
2113	300.200	12.15	1.69
2117	304.830	12.15	1.69



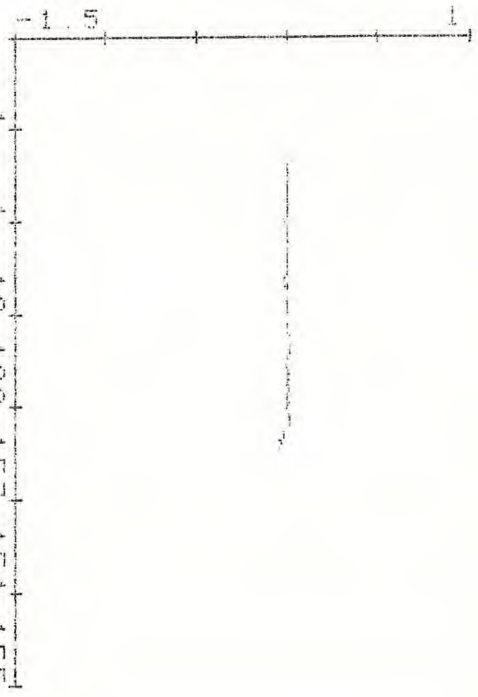

Input 2 (afeet)
.1
1
10
100
153
.1
1
10
100
1E3
1E4
1E5
Time (min)

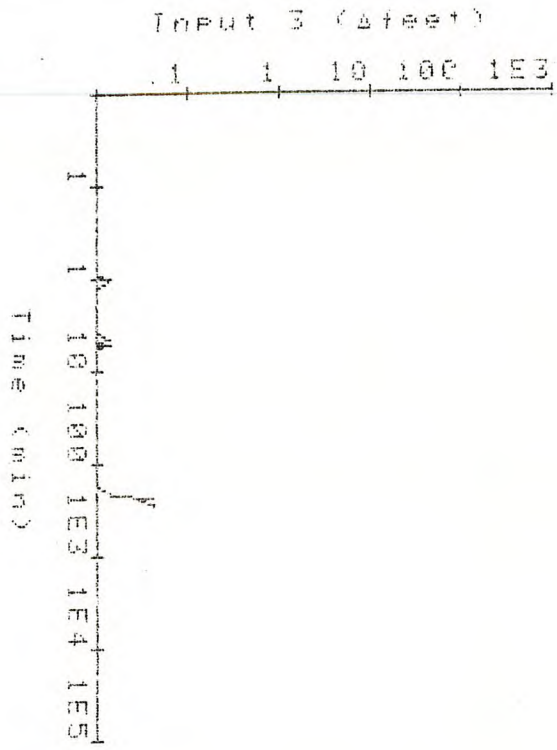

Input 2 (afeet)
-2.5
2.5
.1
1
10
100
1E3
1E4
1E5
Time (t/t')

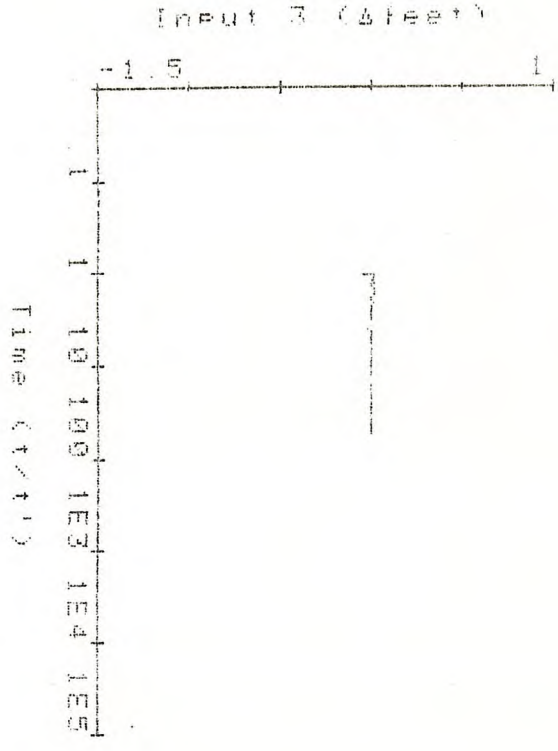
Input 3 (feet)

Time	ET (min)	level	Δlevel
1613	0.257	9.69	0.00
1613	0.340	9.69	0.00
1613	0.424	9.69	0.00
1613	0.507	9.69	0.00
1613	0.590	9.69	0.00
1613	0.674	9.69	0.00
1613	0.757	9.69	0.00
1613	0.840	9.69	0.00
1613	0.924	9.69	0.00
1614	1.007	9.70	-0.01
1614	1.380	9.69	0.00
1614	1.713	9.69	0.00
1615	2.047	9.69	0.00
1615	2.380	9.69	0.00
1615	2.713	9.69	0.00
1616	3.047	9.69	0.00
1616	3.380	9.69	0.00
1616	3.713	9.69	0.00
1617	4.046	9.69	0.00
1617	4.380	9.70	-0.01
1617	4.713	9.69	0.00
1618	5.047	9.69	0.00
1618	5.380	9.70	-0.01
1618	5.713	9.69	0.00
1619	6.046	9.69	0.00
1619	6.380	9.69	0.00
1619	6.713	9.69	0.00
1620	7.046	9.69	0.00
1620	7.380	9.69	0.00
1620	7.713	9.69	0.00
1621	8.046	9.69	0.00
1621	8.380	9.69	0.00
1621	8.713	9.69	0.00
1622	9.046	9.69	0.00
1622	9.380	9.69	0.00
1622	9.713	9.69	0.00
1623	10.047	9.69	0.00
1625	12.137	9.68	0.01
1627	14.138	9.69	0.00
1629	16.137	9.69	0.00
1631	18.082	9.68	0.01
1633	20.180	9.69	0.01
1635	22.180	9.68	0.01
1637	24.180	9.68	0.01
1639	26.180	9.68	0.01
1641	28.180	9.68	0.01
1643	30.180	9.69	0.00
1645	32.180	9.69	0.00
1647	34.180	9.69	0.00
1649	36.180	9.69	0.00
1651	38.092	9.69	0.00
1653	40.178	9.69	0.00
1655	42.133	9.69	0.00
1657	44.133	9.68	0.01
1659	46.133	9.69	0.00
1701	48.133	9.69	0.00
1703	50.133	9.69	0.00
1705	52.133	9.69	0.00
1707	54.133	9.68	0.01
1709	56.133	9.69	0.00
1711	58.133	9.69	0.00
1713	60.133	9.68	0.01
1715	62.133	9.69	0.00
1717	64.133	9.68	0.01
1719	66.133	9.69	0.00
1721	68.133	9.68	0.01
1723	70.133	9.69	0.00
1725	72.133	9.69	0.00
1727	74.133	9.69	0.00
1729	76.133	9.69	0.00
1731	78.133	9.69	0.00
1733	80.133	9.69	0.00
1735	82.133	9.69	0.00
1737	84.133	9.69	0.00
1739	86.133	9.69	0.00
1741	88.133	9.69	0.00
1743	90.133	9.69	0.00
1745	92.133	9.68	0.01
1747	94.133	9.69	0.00
1749	96.133	9.69	0.00
1751	98.133	9.69	0.00
1753	100.130	9.69	0.00
1813	120.300	9.68	0.01
1833	140.300	9.68	0.01
1853	160.200	9.68	0.01
1913	180.300	9.69	0.00
1933	200.230	9.70	-0.01
1953	220.230	9.70	-0.01
2013	240.580	9.73	-0.04
2033	260.300	9.72	-0.03
2053	280.200	9.73	-0.04
2113	300.200	9.73	-0.04
2117	304.830	9.73	-0.04

Input 3 (Δfeet)







SE200A manufactured by
In-situ, Inc.
Laramie Wyoming

RTA-6

HENRY CO./RTA-6
Run 1
04/24/84

SE200A DATA
constant rate test

observation well transducer
lines had to be put across road
through 1 1/4 steel pipe.

TRANSDUCER TABLE

Input 1: PUMPED WELL
  Transducer s/n: 38
  Scale factor: 9.96
  Initial level: 14.71 feet

Input 2: OBSERVATION #1
  Transducer s/n: 113
  Scale factor: 9.96
  Initial level: 11.52 feet

  FAST DATA

Input 3: OBSERVATION #2
  Transducer s/n: 171
  Scale factor: 49.83
  Initial level: 9.5 feet

PUMP SCHEDULE

Drawdown for 1800 min
Pump at 70 GPM

Recovery for 600 min

SAMPLING SCHEDULE

0-10	sec	@	1 sec
10-60	sec	@	5 sec
1-10	min	@	20 sec
10-100	min	@	2 min
100-1000	min	@	20 min
1000-10000	min	@	60 min
10000-99999	min	@	200 min

DRAWDOWN REPORT

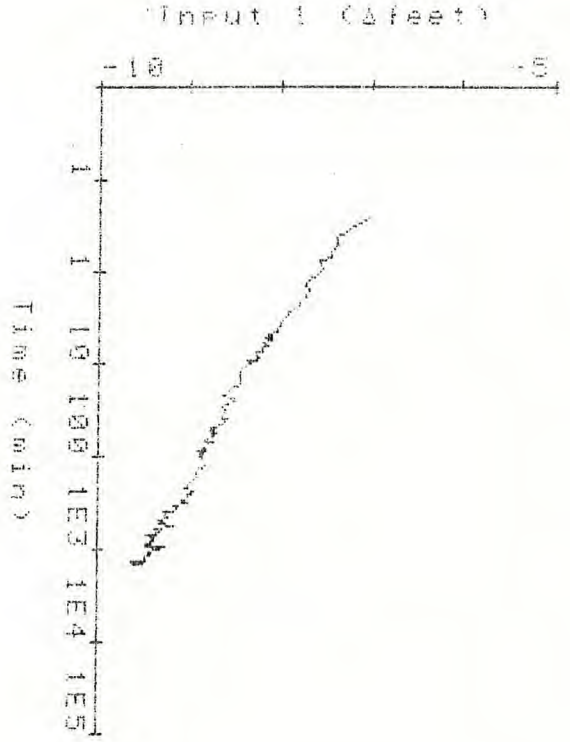
Started at 1512
Lasted 1435.4 min

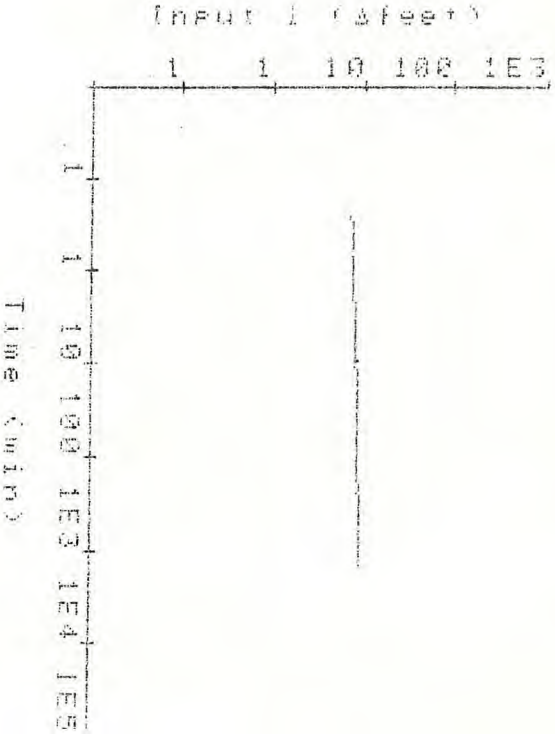
Input 1 (feet):

Time	ET (min)	level	Δlevel
1512	0.000	14.71	0.00
1512	0.257	21.74	-7.03
1512	0.340	21.95	-7.24
1512	0.424	22.08	-7.37
1512	0.507	22.09	-7.38
1513	0.590	22.14	-7.43
1513	0.674	22.16	-7.45
1513	0.757	22.26	-7.55
1513	0.840	22.27	-7.56
1513	0.924	22.25	-7.54
1513	1.007	22.26	-7.55
1513	1.380	22.42	-7.71
1514	1.713	22.39	-7.68
1514	2.046	22.46	-7.75
1514	2.380	22.50	-7.79
1515	2.713	22.62	-7.91
1515	3.046	22.63	-7.91
1516	3.380	22.68	-7.97
1516	3.713	22.71	-8.00
1516	4.046	22.71	-8.00
1516	4.380	22.73	-8.02
1517	4.713	22.84	-8.13
1517	5.046	22.82	-8.11
1517	5.380	22.85	-8.14
1518	5.713	22.81	-8.10
1518	6.046	22.89	-8.18
1518	6.380	22.84	-8.13
1519	6.713	22.90	-8.18
1519	7.046	22.90	-8.19
1519	7.380	22.91	-8.20
1520	7.713	22.98	-8.27
1520	8.046	22.97	-8.26
1520	8.380	22.94	-8.23
1521	8.713	22.96	-8.25
1521	9.046	22.96	-8.25
1521	9.380	23.08	-8.37
1522	9.713	23.04	-8.33
1522	10.046	23.05	-8.34
1524	12.125	23.15	-8.44
1526	14.340	23.15	-8.44
1528	16.173	23.16	-8.45
1530	18.505	23.23	-8.52
1533	20.580	23.28	-8.57
1534	22.152	23.34	-8.63
1536	24.112	23.21	-8.50
1538	26.112	23.22	-8.51
1540	28.112	23.31	-8.60
1542	30.112	23.33	-8.62
1544	32.067	23.31	-8.60
1546	34.133	23.30	-8.59
1548	36.133	23.24	-8.53
1550	38.133	23.24	-8.53
1552	40.133	23.29	-8.58
1554	42.133	23.30	-8.59
1556	44.133	23.33	-8.62

1536	46.133	23.50	-8.79
1600	48.133	23.47	-8.76
1602	50.133	23.40	-8.68
1604	52.133	23.47	-8.76
1606	54.133	23.46	-8.75
1608	56.132	23.41	-8.70
1610	58.152	23.46	-8.75
1612	60.430	23.42	-8.70
1614	62.168	23.45	-8.74
1616	64.132	23.50	-8.79
1618	66.127	23.52	-8.81
1620	68.132	23.50	-8.79
1622	70.087	23.44	-8.72
1624	72.087	23.52	-8.81
1626	74.087	23.51	-8.80
1628	76.087	23.50	-8.79
1630	78.087	23.56	-8.85
1632	80.087	23.52	-8.81
1634	82.087	23.53	-8.82
1636	84.087	23.58	-8.87
1638	86.087	23.52	-8.81
1640	88.087	23.62	-8.91
1642	90.087	23.54	-8.83
1644	92.087	23.58	-8.87
1646	94.087	23.55	-8.84
1648	96.087	23.56	-8.85
1650	98.087	23.60	-8.89
1652	100.090	23.55	-8.84
1712	120.250	23.54	-8.83
1732	140.250	23.62	-8.91
1752	160.180	23.62	-8.91
1812	180.270	23.64	-8.93
1832	200.300	23.70	-8.99
1852	220.320	23.73	-9.02
1912	240.200	23.66	-8.95
1932	260.270	23.72	-9.01
1952	280.270	23.72	-9.01
2012	300.270	23.79	-9.08
2032	320.320	23.73	-9.01
2052	340.250	23.88	-9.17
2112	360.250	23.85	-9.14
2132	380.250	23.87	-9.16
2152	400.250	24.01	-9.30
2212	420.250	23.96	-9.24
2232	440.250	23.95	-9.24
2252	460.250	23.93	-9.22
2312	480.250	24.05	-9.34
2332	500.250	24.06	-9.35
2352	520.250	23.99	-9.28
0912	540.250	23.95	-9.24
0932	560.250	23.98	-9.26
0952	580.250	23.87	-9.16
1012	600.250	24.03	-9.37
1032	620.450	24.07	-9.36
1052	640.280	24.06	-9.34
1212	660.280	24.04	-9.32
1232	680.280	24.07	-9.36
1252	700.280	24.14	-9.43
1312	720.280	24.18	-9.47
1332	740.280	24.08	-9.37
1352	760.280	24.09	-9.38
1412	780.280	24.10	-9.39
1432	800.280	24.10	-9.39
1452	820.280	24.12	-9.41
1512	840.280	24.16	-9.45
1532	860.280	24.18	-9.47
1552	880.280	24.13	-9.42
1612	900.280	24.02	-9.31
1632	920.280	24.07	-9.36
1652	940.280	24.17	-9.46
1712	960.280	23.97	-9.26
1732	980.280	24.04	-9.33
0952	1120.200	24.10	-9.39
1052	1180.100	24.19	-9.48
1152	1240.100	24.18	-9.47
1252	1300.100	24.19	-9.48
1352	1360.100	24.33	-9.62
1452	1420.200	24.34	-9.63
1507	1435.400	24.22	-9.51

Average level: 23.99



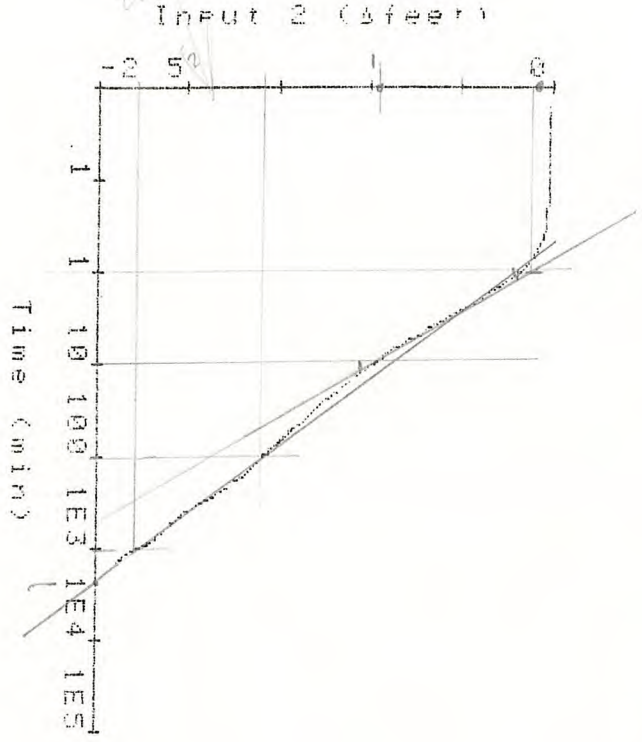


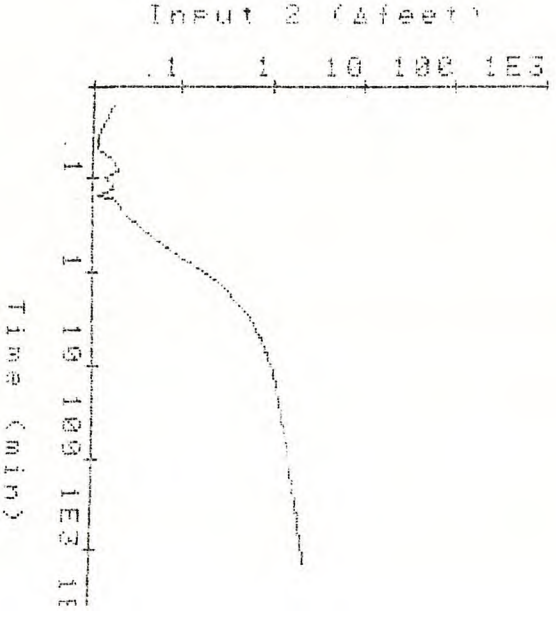
Input 2 (feet):

Time	ET (min)	level	Δlevel
1512	0.000	11.52	0.00
1512	0.017	11.54	-0.02
1512	0.034	11.53	-0.01
1512	0.050	11.53	-0.01
1512	0.067	11.54	-0.02
1512	0.084	11.54	-0.02
1512	0.100	11.53	-0.01
1512	0.117	11.54	-0.02
1512	0.134	11.54	-0.02
1512	0.150	11.53	-0.01
1512	0.167	11.54	-0.02
1512	0.257	11.55	-0.03
1512	0.340	11.56	-0.04
1512	0.424	11.57	-0.05
1512	0.507	11.59	-0.07
1513	0.590	11.60	-0.08
1513	0.674	11.63	-0.10
1513	0.757	11.64	-0.11
1513	0.840	11.66	-0.14
1513	0.924	11.68	-0.16
1513	1.007	11.70	-0.18
1513	1.330	11.79	-0.27
1514	1.713	11.86	-0.34
1514	2.046	11.93	-0.40
1514	2.380	11.98	-0.46
1515	2.713	12.03	-0.51
1515	3.046	12.08	-0.56
1515	3.380	12.12	-0.60
1516	3.713	12.16	-0.64
1516	4.046	12.19	-0.67
1516	4.380	12.22	-0.70
1517	4.713	12.25	-0.73
1517	5.046	12.27	-0.75
1517	5.380	12.30	-0.78
1518	5.713	12.32	-0.80
1518	6.046	12.34	-0.82
1518	6.380	12.36	-0.84
1519	6.713	12.37	-0.85
1519	7.046	12.39	-0.87
1519	7.380	12.41	-0.89
1520	7.713	12.42	-0.90
1520	8.046	12.44	-0.92
1520	8.380	12.45	-0.93
1521	8.713	12.46	-0.94
1521	9.046	12.47	-0.95
1521	9.380	12.48	-0.96
1522	9.713	12.49	-0.97
1522	10.046	12.51	-0.99
1524	12.125	12.56	-1.04
1526	14.340	12.61	-1.09
1528	16.173	12.65	-1.13
1530	18.505	12.68	-1.16
1533	20.580	12.71	-1.19
1534	22.152	12.73	-1.21
1536	24.112	12.75	-1.23
1538	26.112	12.77	-1.25
1540	28.112	12.79	-1.27
1542	30.112	12.80	-1.28
1544	32.067	12.82	-1.30
1546	34.133	12.84	-1.32
1548	36.133	12.84	-1.32
1550	38.133	12.86	-1.34
1552	40.133	12.88	-1.36
1554	42.133	12.88	-1.36
1556	44.133	12.89	-1.37
1558	46.133	12.90	-1.38
1600	48.133	12.92	-1.40
1602	50.133	12.94	-1.42
1604	52.133	12.94	-1.42
1606	54.133	12.95	-1.43
1608	56.132	12.96	-1.44
1610	58.152	12.96	-1.44
1612	60.430	12.97	-1.45
1614	62.168	12.98	-1.46
1616	64.132	12.99	-1.47
1618	66.127	13.01	-1.48
1620	68.132	13.00	-1.46
1622	70.087	13.02	-1.50
1624	72.087	13.02	-1.50
1626	74.087	13.03	-1.51
1628	76.087	13.04	-1.52
1630	78.087	13.05	-1.53
1632	80.087	13.05	-1.53
1634	82.087	13.06	-1.54
1636	84.087	13.06	-1.54
1638	86.087	13.07	-1.55
1640	88.087	13.07	-1.55
1642	90.087	13.07	-1.55
1644	92.087	13.08	-1.56
1646	94.087	13.09	-1.57
1648	96.087	13.09	-1.57
1650	98.087	13.10	-1.58
1652	100.090	13.10	-1.58
1712	120.250	13.14	-1.62
1732	140.250	13.18	-1.66
1752	160.180	13.21	-1.69
1812	180.270	13.25	-1.73
1832	200.300	13.28	-1.76
1852	220.320	13.30	-1.78
1912	240.200	13.33	-1.81
1932	260.270	13.36	-1.84
1952	280.270	13.38	-1.86
2012	300.270	13.40	-1.88
2032	320.320	13.44	-1.92
2052	340.250	13.46	-1.94
2112	360.250	13.48	-1.96
2132	380.250	13.50	-1.98
2152	400.250	13.52	-2.00
2212	420.250	13.54	-2.02
2232	440.250	13.54	-2.02
2252	460.250	13.56	-2.04
2312	480.250	13.56	-2.04
2332	500.250	13.57	-2.05
2352	520.250	13.59	-2.07
0012	540.250	13.58	-2.07
0032	560.250	13.59	-2.07
0052	580.250	13.59	-2.07
0112	600.250	13.61	-2.09
0132	620.450	13.61	-2.09
0152	640.280	13.63	-2.11
0212	660.280	13.63	-2.11
0232	680.280	13.65	-2.13
0252	700.280	13.65	-2.13
0312	720.280	13.66	-2.14
0332	740.280	13.67	-2.15
0352	760.280	13.67	-2.15
0412	780.280	13.68	-2.16
0432	800.280	13.68	-2.16
0452	820.280	13.69	-2.17
0512	840.280	13.70	-2.18
0532	860.280	13.71	-2.19
0552	880.280	13.72	-2.20
0612	900.280	13.73	-2.21
0632	920.280	13.74	-2.22

0652	940.280	13.75	-2.23
0712	960.280	13.76	-2.24
0732	980.280	13.77	-2.25
0852	1060.500	13.81	-2.29
0952	1120.200	13.84	-2.32
1052	1180.100	13.85	-2.33
1152	1240.100	13.87	-2.35
1252	1300.100	13.87	-2.35
1352	1360.100	13.88	-2.36
1452	1420.200	13.90	-2.38
1507	1435.400	13.89	-2.37

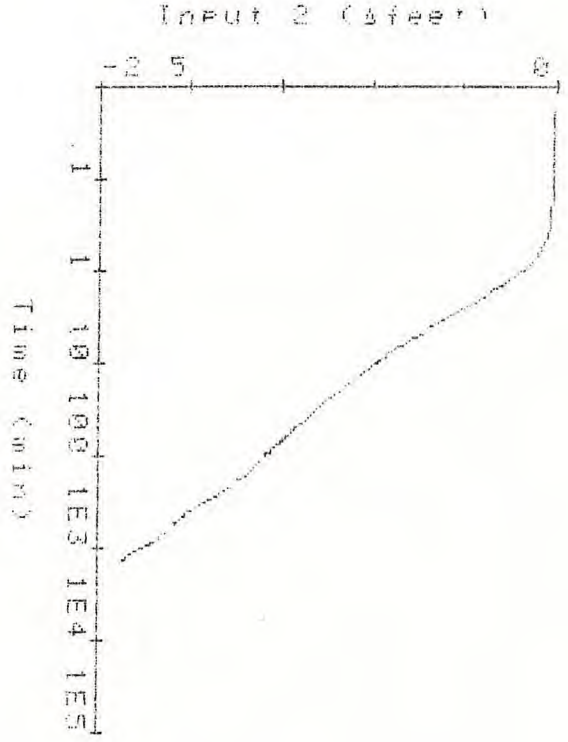
Average level: 13.60

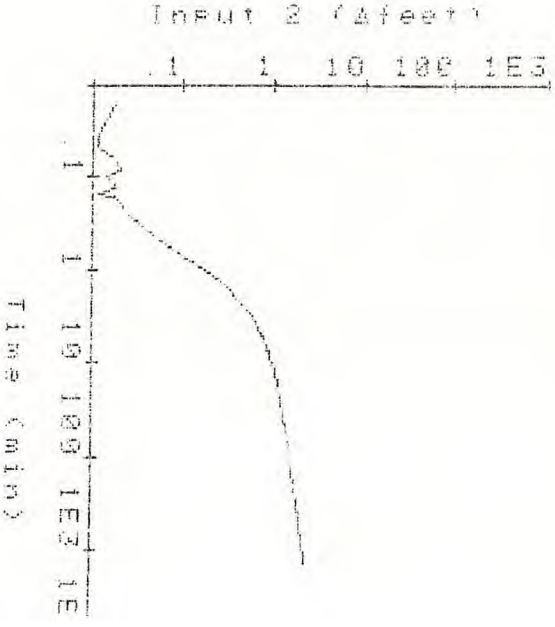




Time	ET (min)	level	Δlevel
1512	0.000	9.50	0.00
1512	0.257	9.47	0.03
1512	0.340	9.47	0.03
1512	0.424	9.46	0.04
1512	0.507	9.46	0.04
1513	0.590	9.47	0.03
1513	0.674	9.46	0.04
1513	0.757	9.46	0.04
1513	0.840	9.46	0.04
1513	0.924	9.46	0.04
1513	1.007	9.46	0.04
1513	1.380	9.46	0.04
1514	1.713	9.46	0.04
1514	2.046	9.46	0.04
1514	2.380	9.46	0.04
1515	2.713	9.46	0.04
1515	3.046	9.46	0.04
1515	3.380	9.46	0.04
1516	3.713	9.46	0.04
1516	4.046	9.47	0.03
1516	4.380	9.46	0.04
1517	4.713	9.46	0.04
1517	5.046	9.46	0.04
1517	5.380	9.46	0.04
1518	5.713	9.46	0.04
1518	6.046	9.46	0.04
1518	6.380	9.46	0.04
1519	6.713	9.46	0.04
1519	7.046	9.46	0.04
1519	7.380	9.46	0.04
1520	7.713	9.46	0.04
1520	8.046	9.44	0.06
1520	8.380	9.46	0.04
1521	8.713	9.46	0.04
1521	9.046	9.46	0.04
1521	9.380	9.46	0.04
1522	9.713	9.46	0.04
1522	10.046	9.46	0.04
1524	12.125	9.47	0.03
1526	14.340	9.46	0.04
1528	16.173	9.46	0.04
1530	18.505	9.46	0.04
1533	20.580	9.46	0.04
1534	22.152	9.46	0.04
1536	24.112	9.46	0.04
1538	26.112	9.46	0.04
1540	28.112	9.44	0.06
1542	30.112	9.43	0.07
1544	32.067	9.46	0.04
1546	34.133	9.44	0.06
1548	36.133	9.43	0.07
1550	38.133	9.44	0.06
1552	40.133	9.43	0.07
1554	42.133	9.43	0.07
1556	44.133	9.43	0.07
1558	46.133	9.43	0.07
1600	48.133	9.44	0.06
1602	50.133	9.44	0.06
1604	52.133	9.44	0.06
1606	54.133	9.43	0.07
1608	56.132	9.43	0.07
1610	58.152	9.43	0.07
1612	60.430	9.43	0.07
1614	62.168	9.43	0.07
1616	64.132	9.43	0.07
1618	66.127	9.43	0.07
1620	68.132	9.43	0.07
1622	70.087	9.43	0.07
0652	940.280	13.75	-2.23
0712	960.280	13.76	-2.24
0732	980.280	13.77	-2.25
0852	1060.500	13.81	-2.29
0952	1120.200	13.84	-2.32
1052	1180.100	13.85	-2.33
1152	1240.100	13.87	-2.35
1252	1300.100	13.87	-2.35
1352	1360.100	13.88	-2.36
1452	1420.200	13.90	-2.38
1507	1435.400	13.89	-2.37

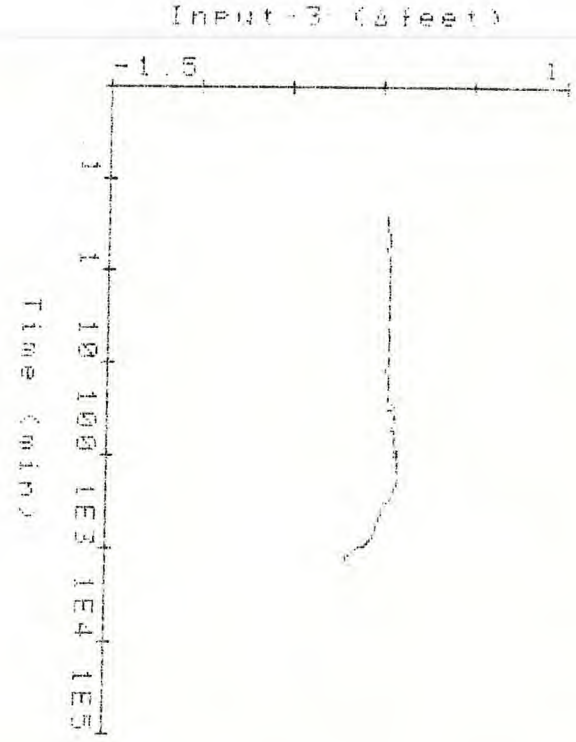
Average level: 13.60

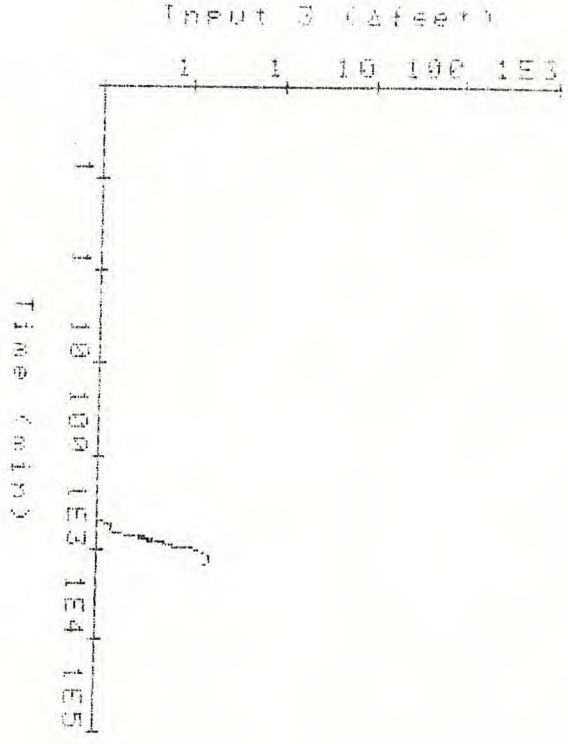




1624	72.087	9.43	0.07
1626	74.087	9.43	0.07
1628	76.087	9.43	0.07
1630	78.087	9.43	0.07
1632	80.087	9.43	0.07
1634	82.087	9.43	0.07
1636	84.087	9.43	0.07
1638	86.087	9.43	0.07
1640	88.087	9.41	0.09
1642	90.087	9.41	0.09
1644	92.087	9.41	0.09
1646	94.087	9.43	0.07
1648	96.087	9.43	0.07
1650	98.087	9.43	0.07
1652	100.090	9.41	0.09
1712	120.250	9.41	0.09
1732	140.250	9.41	0.09
1752	160.180	9.41	0.09
1812	180.270	9.41	0.09
1832	200.300	9.41	0.09
1852	220.320	9.43	0.07
1912	240.200	9.43	0.07
1932	260.270	9.43	0.07
1952	280.270	9.44	0.06
2012	300.270	9.44	0.06
2032	320.320	9.47	0.03
2052	340.250	9.47	0.03
2112	360.250	9.49	0.01
2132	380.250	9.49	0.01
2152	400.250	9.49	0.01
2212	420.250	9.49	0.01
2232	440.250	9.50	0.00
2252	460.250	9.50	0.00
2312	480.250	9.50	0.00
2332	500.250	9.50	0.00
2352	520.250	9.51	-0.01
0012	540.250	9.51	-0.01
0032	560.250	9.51	-0.01
0052	580.250	9.51	-0.01
0112	600.250	9.51	-0.01
0132	620.450	9.51	-0.01
0152	640.280	9.51	-0.01
0212	660.280	9.51	-0.01
0232	680.280	9.53	-0.03
0252	700.280	9.53	-0.03
0312	720.280	9.53	-0.03
0332	740.280	9.54	-0.04
0352	760.280	9.53	-0.03
0412	780.280	9.54	-0.04
0432	800.280	9.54	-0.04
0452	820.280	9.56	-0.06
0512	840.280	9.56	-0.06
0532	860.280	9.56	-0.06
0552	880.280	9.57	-0.07
0612	900.280	9.57	-0.07
0632	920.280	9.59	-0.09
0652	940.280	9.60	-0.10
0712	960.280	9.61	-0.11
0732	980.280	9.63	-0.13
0852	1060.500	9.64	-0.14
0952	1120.200	9.67	-0.17
1052	1180.100	9.67	-0.17
1152	1240.100	9.67	-0.17
1252	1300.100	9.67	-0.17
1352	1360.100	9.67	-0.17
1452	1420.200	9.66	-0.16
1507	1435.400	9.66	-0.16

Average level: 9.55





SE200R manufactured by
Institu, Inc
Laramie Wyoming

RTA-6

PUMPING TEST DATA

Location: NE Corner SR 29 & Sears Rd Date: 4/24/84

Pumped Well:

Depth _____ ft. Casing To _____ ft. Diameter _____ in.

Casing _____ to _____ ft. Diameter _____ in.

Disc. Pipe Diameter _____ in. Orifice Diameter _____ in.

Q _____ gpm.

Observation Wells:

USGS 556

Depth: 1= 175 ft. 2= _____ ft. 3= _____ ft. 4= _____ ft.

Casing Diameter: 1= 4 in. 2= _____ in. 3= _____ in. 4= _____ in.

Casing To: 1= _____ ft. 2= _____ ft. 3= _____ ft. 4= _____ ft.

Dist.(r): 1= 201 ft. 2= _____ ft. 3= _____ ft. 4= _____ ft.

Screen: 1= _____ to _____ ft. 2= _____ to _____ ft. 3= _____ to _____ ft.

Screen Diameter: 1= _____ in. 2= _____ in. 3= _____ in. 4= _____ in.

Time	Elapsed Time (t)	Manometer Reading (in.)		Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	Δ level Obs. 2	Obs. 3 RECOVERY	Obs. 4 Δ level
1513	0	in. H_2O	Q gpm		11.48		13.84	
(.25)	15 s				11.50	.02	13.84	-2.36
(.50)	30 s				11.54	.06	13.82	-2.34
(.75)	45 s				11.58 ?	.10	13.77	-2.29
1514	1.0 min				11.68	.20	13.70	-2.22
	1.5				11.78	.30	13.58	-2.10
1515	2.0				11.87	.39	13.49	-2.01
	2.5				11.96	.48	13.40	-1.92
1516	3.0				12.04	.56	13.33	-1.85
	3.5				12.10	.62	13.27	-1.79
1517	4.0				12.15	.67	13.21	-1.73
	4.5				12.20	.72	13.16	-1.68

RTA-6

Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.) Pumped	Obs. 1	Obs. 2	Obs. 3 RECOVERY	Obs. 4 Δ level
1518	5.0	in.	Q		12.24	.76	13.12	-1.64
1519	6.0				12.30	.82	13.07	-1.59
1520	7.0				12.36	.88	13.01	-1.53
1521	8.0				12.40	.92	12.97	-1.49
1522	9.0				12.44	.96	12.93	-1.45
1523	10.0				12.47	.99	12.91	-1.43
1524	11.0				12.50	1.02	12.88	-1.40
1525	12.0				12.52	1.04	12.85	-1.37
1526	13.0				12.55	1.07	12.83	-1.35
1527	14.0				12.57	1.09	12.81	-1.33
1528	15.0			17min 12.63	12.59	1.11	12.79	-1.31
1533	20.0				12.67	1.19	~~12.72~~ 12.73	-1.25
1538	~~25.0~~				12.72	1.24	12.67	-1.19
1543	30.0				12.77	1.29	12.61	-1.13
1548	35.0				12.80	1.32	12.57	-1.09
1553	40.0				12.84	1.36	12.54	-1.06
1558	45.0				12.87	1.39	12.51	-1.03
1603	50.0				12.90	1.42	12.48	-1.00
1613	60.0				12.96	1.48	12.43	-.95
1623	70.0				12.99	1.51	12.40	-.92
1633	80.0				13.03	1.55	12.37	-.89
1643	90.0				13.06	1.58	12.35	-.87
1713	120.0				13.13	1.65	12.30	-.82
1743	150.0				13.20	1.72	12.26	-.78
1813	180.0				13.24	1.76	12.24	-.76
1843	210.0				13.28	1.80	12.23	-.75
1913	240.0				13.32	1.84	12.21	-.73
2013	300				13.37	1.89	12.18	-.70
2113	360				13.45	1.97	12.15	-.67
2213	420				13.50	2.02	12.14	-.66
2313	480				13.53	2.05		
4/25/84→ 0013	540				13.57	2.09		
0113	600				13.57	2.09		

390 min

RTA-6

Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.) Pumped	Obs. 1	Obs. 2	Obs. 3 RECOVERY	Obs. 4
0213	660	in.	Q		13.58	2.10		
0313	720				13.62	2.14		
0413	780				13.62	2.14		
0513	840				13.65	2.17		
0613	900				13.69	2.21		
0713	960				13.70	2.22		
0813	1020				13.71	2.23		
0913	1080				13.75	2.27		
1013	1140				13.76	2.28		
1113	1200				13.77	2.29		
1213	1260				13.79	2.31		
1313	1320				13.80	2.32		
1413	1380				13.81	2.33		
1513	1440				13.82	2.34		
1613	1500							
1713	1560							
1813	1620							
1913	1680							
2013	1740							
30 HRS → 2113	1800							

RTA-6

PUMPING TEST DATA

Location: NE Corner Sears Rd & SR 29 Date: 4/24/84

Pumped Well:

Depth 165 ft. Casing To 140 ft. Diameter 6 in.

Casing D to 140 ft. Diameter 6 in.

Disc. Pipe Diameter 4 ~~(ID)~~ in. Orifice Diameter 2 in.

~~(3.732)(ID)~~

Q 70 gpm.

Observation Wells:

Depth: 1=____ft. 2=____ft. 3=____ft. 4=____ft.

Casing Diameter: 1=____in. 2=____in. 3=____in. 4=____in.

Casing To: 1=____ft. 2=____ft. 3=____ft. 4=____ft.

Dist.(r): 1=____ft. 2=____ft. 3=____ft. 4=____ft.

Screen: 1=____to____ft. 2=____to____ft. 3=____to____ft.

Screen Diameter: 1=____in. 2=____in. 3=____in. 4=____in.

Time	Elapsed Time (t)	Manometer Reading (in.)	Drawdown or Recovery (ft.)				
			Pumped	Obs. 1	~~Obs. 2~~ RECOVERY	Obs. 3	Obs. 4
1513	0	in H_2O 14.69 Q gpm			24.15		
	15s	21.62			16.65		
	30s	22.13			16.70		
	45s	22.18			16.53		
1514	1 min	22.26			16.50		
	1.5	22.36			16.48		
1515	2.0	22.44			16.42		
	2.5	22.56			16.35		
1516	3.0	22.60			16.30		
	3.5	22.66			16.26		
1517	4.0	22.68			16.23		
	4.5	22.72			16.20		

RTA-6

Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.) Pumped	Obs. 1	~~Obs. 2~~ Recovery	Obs. 3	Obs. 4
1518	5.0	in.	Q	22.74		16.18		
1519	6.0			22.77		16.20		
1520	7.0			22.80		16.20		
1521	8.0			22.84		16.17		
1522	9.0			22.90		16.14		
1523	10.0			22.93		16.11		
1524	11.0			22.96		16.09		
1525	12.0			22.99		16.06		
1526	13			23.02		16.04		
1527	14			23.05		16.01		
1528	15			23.05		16.01		
1533	20			23.07		15.90		
1538	~~25~~			23.11		15.86		
1543	30			23.12		15.81		
1548	35			23.13		15.79		
1553	40			23.18		15.76		
1558	45			23.22		15.71		
1603	50			23.26		15.69		
1613	60			23.30		15.66		
1623	70			23.32		15.61		
1633	80			23.35		15.56		
1643	90			23.40		15.55		
1713	120			23.41		15.52		
1743	150			23.47		15.47		
1813	180			23.54		15.44		
1843	210			23.56		15.42		
1913	240			23.60		15.40		
2013	300			23.61		15.38		
2113	360			23.73		15.34		
2213	420			23.86				
2313	480			23.90				
0013	540			23.84				
0113	600			24.00				

RTA-6

Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.) Pumped	Obs. 1	~~Obs. 2~~ RECOVERY	Obs. 3	Obs. 4
0213	660	in.	Q	23.91				
0313	720			24.00				
0413	780			24.00				
0513	840			24.05				
0613	900			24.05				
0713	960			23.89				
0813	1020			24.00				
0913	1080			23.97				
	1140			24.00				
	1200			24.01				
	1260			24.06				
	1320			24.06				
	1380			24.10				
	1440			24.12				
	1500			24.15				
	1560							
	1620							
	1680							
	1740							
30 HRS →	1800							

RTA-6

PUMPING TEST DATA

Location: NE corner SR 29 & Sears Rd Date: 4/24/84

Pumped Well:

Depth_____ft. Casing To_____ft. Diameter_____in.

Casing_____to_____ft. Diameter_____in.

Disc. Pipe Diameter_____in. Orifice Diameter_____in.

Q _____gpm.

Observation Wells:

USGS 556

Depth: 1= 175 ft. 2=_____ft. 3=_____ft. 4=_____ft.

Casing Diameter: 1= 4 in. 2=_____in. 3=_____in. 4=_____in.

Casing To: 1=_____ft. 2=_____ft. 3=_____ft. 4=_____ft.

Dist.(r): 1= 201 ft. 2=_____ft. 3=_____ft. 4=_____ft.

Screen: 1=_____to_____ft. 2=_____to_____ft. 3=_____to_____ft.

Screen Diameter: 1=_____in. 2=_____in. 3=_____in. 4=_____in.

Time	Elapsed Time (t)	Manometer Reading (in.)		Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	Δ level ~~Obs. 2~~	~~Obs. 3~~ RECOVERY	Obs. 4
		in. H_2O	Q gpm					
1513	0				11.48		13.84	
	15 s				11.50	.02	13.84	
	30 s				11.54	.06	13.82	
	45 s				11.58?	.10	13.77	
1514	1.0 min				11.68	.20	13.70	
	1.5				11.78	.30	13.58	
1515	2.0				11.87	.39	13.49	
	2.5				11.96	.48	13.40	
1516	3.0				12.04	.56	13.33	
	3.5				12.10	.62	13.27	
1517	4.0				12.15	.67	13.21	
	4.5				12.20	.72	13.16	

RTA-6

Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.) Pumped	Obs. 1	Obs. 2	~~Obs. 3~~ RECOVERY	Obs. 4
1518	5.0	in.	Q		12.24	.76	13.12	
519	6.0				12.30	.82	13.07	
1520	7.0				12.36	.88	13.01	
1521	8.0				12.40	.92	12.97	
1522	9.0				12.44	.96	12.93	
1523	10.0				12.47	.99	12.91	
1524	11.0				12.50	1.02	12.88	
1525	12.0				12.52	1.04	12.85	
1526	13.0				12.55	1.07	12.83	
1527	14.0				12.57	1.09	12.81	
1528	15.0			17min 12.63	12.59	1.11	12.79	
1533	20.0				12.67	1.19	[redacted] 12.73	
1538	~~25.0~~				12.72	1.24	12.67	
1543	30.0				12.77	1.29	12.61	
1548	35.0				12.80	1.32	12.57	
1553	40.0				12.84	1.36	12.54	
1558	45.0				12.87	1.39	12.51	
1603	50.0				12.90	1.42	12.48	
1613	60.0				12.96	1.48	12.43	
1623	70.0				12.99	1.51	12.40	
1633	80.0				13.03	1.55	12.37	
1643	90.0				13.06	1.58	12.35	
1713	120.0				13.13	1.65	12.30	
1743	150.0				13.20	1.72	12.26	
1813	180.0				13.24	1.76	12.24	
1843	210.0				13.28	1.80	12.23	
1913	240.0				13.32	1.84	12.21	
2013	300				13.37	1.89	12.18	
2113	360				13.45	1.97	12.15	
2213	420				13.50	2.02	1214 390 mi	
2313	480				13.53	2.05		
4/25/84→ 0013	540				13.57	2.09		
0113	600				13.57	2.09		

RTA-6

Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.) Pumped	Obs. 1	Obs. 2	~~Obs. 3~~ RECOVERY	Obs. 4
0213	660	in.	Q		13.58	2.10		
0313	720				13.62	2.14		
0413	780				13.62	2.14		
0513	840				13.65	2.17		
0613	900				13.69	2.21		
0713	960				13.70	2.22		
0813	1020				13.71	2.23		
0913	1080				13.75	2.27		
1013	1140				13.76	2.28		
1113	1200				13.77	2.29		
1213	1260				13.79	2.31		
1313	1320				13.80	2.32		
1413	1380				13.81	2.33		
1513	1440				13.82	2.34		
1613	1500							
1713	1560							
1813	1620							
1913	1680							
2013	1740							
30 HRS → 2113	1800							

RTA-6

PUMPING TEST DATA

Location: RTA-6 Sears Rd & SR 29 Date: 4/24/84

Pumped Well:

Depth _____ ft. Casing To _____ ft. Diameter _____ in.

Casing _____ to _____ ft. Diameter _____ in.

Disc. Pipe Diameter _____ in. Orifice Diameter _____ in.

Q _____ gpm.

Observation Wells: USGS He-555

Depth: 1=_____ ft. 2= 270 ft. 3=_____ ft. 4=_____ ft.

Casing Diameter: 1=_____ in. 2= 4" in. 3=_____ in. 4=_____ in.

Casing To: 1=_____ ft. 2=_____ ft. 3=_____ ft. 4=_____ ft.

Dist.(r): 1=_____ ft. 2= 205 ft. 3=_____ ft. 4=_____ ft.

Screen: 1=_____ to _____ ft. 2=_____ to _____ ft. 3=_____ to _____ ft.

Screen Diameter: 1=_____ in. 2=_____ in. 3=_____ in. 4=_____ in.

Time	Elapsed Time (t)	Manometer Reading (in.)		Drawdown or Recovery (ft.)				
				Pumped	Obs. 2 converted	Obs. 2	Obs. 3	Obs. 4 recovery
1513	0	in. H_2O	Q gpm		9.38	9'4" 9/16		9.69
	15							
	30							
	45							
1514	1							
	1.5							9'9"
1515	20							9'9"
	2.5							
1516	3.0							9'8 7/8"
	3.5							9'8 15/16"
1517	4.0							9'8 15/16"
	4.5							9'8 7/8"

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Time	Elapsed Time (t)	Manometer Reading (in.)	Drawdown or Recovery (ft.) Pumped	Obs. 1	Obs. 2	Obs. 3 (Δ level)	Obs. 4 (Recov)
1518	5						9'8 15/16"
1519	6						"
1520	7						9'9
1521	8	9'4 15/16"			9.41	.03	9'8 15/16"
1522	9	9'5" TSS			9.42	.04	"
1523	10	9'5" TSS			"		"
1524	11	9'5" TSS			"		"
1525	12	9' 5" TSS			"		"
1526	13	9'5" TSS			"		"
1527	14	9'5" TSS			"		"
1528	15	9'5" TSS			"		"
1533	20	9'4 3/4" SS			9.40	.02	9'8 15/16"
1538	25	9' 4 11/16" SS			9.39	.01	9'9"
1543	30	9'5" TSS			9.42	.04	9'8 15/16"
1548	35	9'4 7/8"			9.41	.03	"
1653	40	9'5"			9.42	.04	"
1658	45	9'5"			9.42	.04	9'8 15/16"
1703	50	9'4 15/16"			9.41	.03	9'9"
1713	60	9'4 15/16"			9.41	.03	"
1723	70	9'4 15/16"			9.41	.03	"
1733	80	9'5"			9.42	.04	9'9 1/16"
1743	90	9'5 1/16"			9.42	.04	9'9 3/16"
1813	120	9'5 1/8"			9.43	.05	9'9 6/16"
1843	150	9'5 1/4"			9.44	.06	9'9 5/16"
1913	180	9'5 3/8"			9.45	.07	9'9 8/16"
1943	210	9'5 7/16"			9.45	.07	9'11/16"
2013	240	9'5 10/16"			9.47	.09	9'14/16"
2113	300	9'5 12/16"			9.48	.10	9'10 2/16"
2213	360	9'6 1/16"			9.50	.12	9'10 9/16"
2313	420	9'6 4/16"			9.52	.14	
4/25 → 0013	480	9'6 6/16"			9.53	.15	
0113	540	9'6 8/16"			9.54	.16	
0213	600	9'6 8/16"			9.54	.16	

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Time	Elapsed Time (t)	Manometer Reading (in.)	Drawdown or Recovery (ft.)				
			Pumped	Converted Obs. 2	Obs. 2	Δ level Obs. 3	Obs.
	660			9.57	9'6 14/16"	.19	
	720			9.58	9'7"	.20	
	780			"	9'7"	.20	
	840			9.62	9'7 1/2"	.24	
	900			"	9'7 1/2"	.24	
	960			"	9'7 1/2"	.24	
	1020			9.65	9'7 3/4"	.27	
	1080			9.69	9'8 1/4"	.31	
	1140			9.71	9'8 1/2"	.33	
	1200			9.72	9'8 11/16"	.34	
	1260			9.73	9'8 3/4"	.35	
	1320			9.73	9'8 3/4"	.35	
	1380			9.72	9'8 5/8"	.34	
	1440			9.71	9'8 9/16"	.33	
	1500						
	1560						
	1620						
	1680						
	1740						
	1800						

RTA-6

PUMPING TEST DATA

Location: RTA-6 Sears Rd & SR 29 Date: 4/24/84

Pumped Well:

Depth _____ ft. Casing To _____ ft. Diameter _____ in.

Casing _____ to _____ ft. Diameter _____ in.

Disc. Pipe Diameter _____ in. Orifice Diameter _____ in.

Q _____ gpm.

Observation Wells: USGS No- 555

Depth: 1=_____ ft. 2= 270 ft. 3=_____ ft. 4=_____ ft.

Casing Diameter: 1=_____ in. 2= 4" in. 3=_____ in. 4=_____ in.

Casing To: 1=_____ ft. 2=_____ ft. 3=_____ ft. 4=_____ ft.

Dist.(r): 1=_____ ft. 2= 205 ft. 3=_____ ft. 4=_____ ft.

Screen: 1=_____ to _____ ft. 2=_____ to _____ ft. 3=_____ to _____ ft.

Screen Diameter: 1=_____ in. 2=_____ in. 3=_____ in. 4=_____ in.

Time	Elapsed Time (t)	Manometer Reading (in.)		Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	Obs. 2	Obs. 3	Obs. 4 (recovery)
1513	0	In. H_2O	Q gpm			9'4" 9/16		9.69
	15							
	30							
	45							
1514	1							
	1.5							9'9"
1515	2.0							9'9"
	2.5							
1516	3.0							9'8 3/8"
	3.5							9'8 15/16"
1517	4.0							9'8 15/16"
	4.5							9'8 7/8"

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Time	Elapsed Time (t)	Manometer Reading (in.)	Drawdown or Recovery (ft.)				
			Pumped	Obs. 1	Obs. 2	Obs. 3	~~Recovery Obs.~~
1518	5						9' 8 15/16"
1519	6						"
1520	7						9'9"
1521	8	9' 4 15/16"					9' 8 15/16"
1522	9	9' 5" TSS					"
1523	10	9' 5" TSS					"
1524	11	9' 5" TSS					"
1525	12	9' 5" TSS					"
1526	13	9' 5" TSS					"
1527	14	9' 5" TSS					"
1528	15	9' 5" TSS					"
1533	20	9' 4 3/4" SD					9' 8 15/16"
1538	25	9' 4 11/16" SD					9' 9"
1543	30	9' 5" TSS					9' 8 15/16"
1548	35	9' 4 7/8"					"
1653	40	9' 5"					"
1658	45	9' 5"					9' 8 15/16"
1703	50	9' 4 15/16"					9' 9"
1713	60	9' 4 15/16"					"
1723	70	9' 4 15/16"					"
1733	80	9' 5"					9' 9 1/16"
1743	90	9' 5 1/16"					9' 9 3/16"
1813	120	9' 5 1/8"					9' 9 6/16"
1843	150	9' 5 1/4"					9' 9 5/16"
1913	180	9' 5 3/8"					9' 9 8/16"
1943	210	9' 5 7/16"					9' 11/16"
2013	240	9' 5 10/16"					9' 9 14/16"
2113	300	9' 5 13/16"					9' 10 2/16"
2213	360	9' 6 1/16"					9' 10 9/16"
2313	420	9' 6 4/16"					
4/25 → 0013	480	9' 6 6/16"					
0113	540	9' 6 8/16"					
0213	600	9' 6 8/16"					

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Time	Elapsed Time (t)	Manometer Reading (in.)	Drawdown or Recovery (ft.)				
			Pumped	Obs. 1	Obs. 2	Obs. 3	Obs. 4
	660				9' 6 14/16"		
	720				9' 7"		
	780				9' 7"		
	840				9' 7 1/16"		
	900				9' 7 1/16"		
	960				9' 7 1/16"		
	1020				9' 7 3/16"		
	1080				9' 8 1/4"		
	1140				9' 8 1/2"		
	1200				9' 8 11/16"		
	1260				9' 8 3/4"		
	1320				9' 8 3/4"		
	1380				9' 8 5/8"		
	1440				9' 8 9/16"		
	1500						
	1560						
	1620						
	1680						
	1740						
	1800						

Specific Capacity **RTA-6**

1500 set up TOC = ±1.0' L.S.

Initial water level → Ft below TOC: 8.7' / Ft. below L.S.: 7.7'

Time — manometer = Flow

Began w/ 3" orifice - too much flow - have to switch to 2" orifice cut of a 4" pipe to get mano reading

Begin 1630

Time	manometer = Flow		Ft below L.S.
0:00	0.0	≈ 50 GPM	11.3
1:00	5"		11.4
2:00	↓		11.4
3:00	↓		11.3
4:00	4.5"		11.4
5:00	4.0"		11.2
7:00	3.75"		11.2
9:00	4.75"		11.3
11:00	4.5		11.3
15:00	4.5		11.4
16:00	11"	≈ 55 GPM	13.3
17	11		13.4

Temp-76.4°F Cond-1140

Time	manometer = Flow		Ft below L.S.
18	11"	≈ 55 GPM	13.5
19	↓		13.4
20	↓		13.4
22	↓		13.5
24	↓		13.5
26	↓		13.6
30	↓		13.6
31	25"	≈ 80 GPM	16.7
32	↓		16.7
33	↓		16.8
34	↓		16.8
35	↓		16.8
37	↓		16.8
39	↓		16.9
41	↓		16.9
45	↓		16.9
46	37"	≈ 100 GPM	19.1
47	↓		19.2
48	↓		19.3
49	↓		19.2
50	↓		19.4

LEVEL

Time	Manometer	Flow	Ft. below L.S.
52	38"		19.6
54	↓		19.6
56			19.6
60			19.6
61	>60" *		

* Above manometer tube & below intake hose - lost prime.

max pump rate w/ surficial pump is about 100 gpm.

Took water sample

Temp - 76.4°F Specific Cond - 1140