

EDWARDS UNDERGROUND
WATER DISTRICT

Report 92-02

**Investigation of the
Fresh/Saline-Water Interface
in the Edwards Aquifer in
New Braunfels and San Marcos, Texas**

Appendix



**INVESTIGATION OF THE FRESH/ SALINE-WATER INTERFACE IN THE
EDWARDS AQUIFER IN NEW BRAUNFELS AND SAN MARCOS, TEXAS:**

by Diane Poteet, Hughbert Collier, and Robert Maclay

Edwards Underground Water District Report 92-02

APPENDICES

APPENDICES

- | | |
|--------------|---|
| APPENDIX I | Charts containing water level, conductance, and temperature measurements for recovery tests performed at various depths intervals with: 1) residual drawdown versus time graphs which include transmissivity values; and 2) graphs plotted for conductivity versus time |
| APPENDIX II | Charts containing water level, conductance and temperature measurements for pump tests performed with observation wells with drawdown and Theis curves |
| APPENDIX III | Video summaries |
| APPENDIX IV | Thin section descriptions |

Appendix I

APPENDIX I

CHARTS CONTAINING WATER LEVEL, CONDUCTANCE, AND TEMPERATURE MEASUREMENTS FOR RECOVERY TESTS PERFORMED AT VARIOUS DEPTH INTERVALS WITH: 1) RESIDUAL DRAWDOWN VERSUS TIME GRAPHS WHICH INCLUDE TRANSMISSIVITY VALUES; AND 2) GRAPHS PLOTTED WITH CONDUCTIVITY VERSUS TIME

NOTE: 1) All water level data is in reference to land surface datum except San Marcos Well D. The elevation for each well is as follows:

Well Name	Elevation (LSD) (feet above sea level)
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New Braunfels Well A-1	635.78
New Braunfels Well B-1	633.46
New Braunfels Well B-2	633.46
New Braunfels Well C-1	635.00
Lower Colorado River Authority Well (LCRA)	630.00
San Marcos Well B	581.50
San Marcos Well C	581.50
San Marcos Well D	577.00

2) For San Marcos Well D, the water level was above land surface, and thus, a reference point above land surface was used. The following are the measuring points (MP) for each pump/air test performed at this well:

Date/Time	MP(feet)
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920220/1630	8.03
920225/0810	8.25
920227/1030	9.20
920228/1315	7.50
920229/1400	11.28
920302/1100	8.03

CONDUCTIVITY METER CALIBRATIONS AND CONDUCTIVITY VALUES
COLLECTED AT THE END OF EACH PUMP/AIR-LIFT TEST
FOR NEW BRAUNFELS

Conductivity Meter Calibrations

Date/Time	Sample Number (If Collected)	Standard Readings ($\mu\text{S}/\text{cm}$)	Metered Readings ($\mu\text{S}/\text{cm}$)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature $^{\circ}\text{C}$
<u>Well A-1</u>					
89/09/06 17:00	1	584/1,480	583/1,440	2,413(C)	28.8
89/09/07 11:35	-	1,480/3,200	1,454/3,168	2,885(N)	25.5
89/09/08 07:10	-	1,480/3,200	1,440/3,103	2,672(N)	25.6
89/09/12 07:22	2	1,480/3,200	1,445/3,120	3,095(C)	25.5
89/09/13 12:23	-	1,480/3,200	1,445/3,120	2,830(N)	25.2
89/09/13 16:40	-	1,480/3,200	1,445/3,170	2,550(N)	25.5
89/09/14 13:15	3	1,480/3,200	1,446/3,166	2,440(C)	26.0
89/09/15 13:42	4	1,480/3,200	1,466/3,165	3,370(C)	26.1
89/09/18 10:45	5	1,480/3,200	1,470/3,180	4,070(C)	26.3
89/09/19 07:57	6	3,200/5,280	3,125/5,113	5,540(C)	27.0

Well B-1

89/10/10 10:45	7	584/5,280	588/5,166	595(C)	25.0
89/10/11 07:25	8	584/974	596/973	557(C)	25.4
89/10/12 08:45	-	584/974	602/964	668(N)	25.2
89/10/14 09:10	9	537/1,590	543.8/1,588	1,100(C)	25.5
89/10/16 15:00	-	537/1,590	544/1,562	704(N)	25.7
89/10/17 15:58	10	537/974	546/956	578(C)	25.7
89/10/18 14:00	11	537/974	549/954	990(C)	25.7
89/10/19 07:35	12	3,200/1,590	3,205/1,604	1,850(C)	25.9
89/10/20 07:10	13	3,200/1,590	3,170/1,620	3,750(C)	26.3

Well C-1

90/01/22 13:45	-	---	---	508(N)	24.2
90/01/23 07:20	17	559/974	570/952	498(C)	25.0
90/01/23 16:20	-	559/974	550/952	512.4(N)	25.3
90/01/24 11:00	-	559	550	513(N)	25.2
90/01/25 14:00	18	559/974	557/1,958.2	578(C)	26.0
90/01/29 10:53	-	559/974	548/958	527(N)	25.6
90/01/29 17:20	19	559	548/958	565(C)	26.5
90/01/30 11:45	-	559/974/1,598	560	545(N)	26.0
90/01/31 16:45	20	974/1,598/3,150	958/951/1,600	1,050(C)	26.0
90/02/01 10:35	-	974/1,598/3,150	946/1,581/3,121	1,911(N)	26.0
90/02/01 16:15	21	974/1,598/3,150	946/1,581/3,121	2,180(C)	26.0
90/02/02 11:08	22	3,150/5,330	3,172/5,358	4,190(C)	27.0

Note: N882 was not analyzed - data in appendix
C=corrected
N=not corrected
/=divides multiple standards or readings

TIME LOGS REPORT Page 1

Date **TY/KK/DD hh:mm:ss**
09/09/06 17:00:00.0
 Well I.D. **HB1A**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/KK/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 09/09/06 17:00:00	7.95	
3.00 09/09/06 17:03:00		417.00
4.00 09/09/06 17:04:00		448.00
7.00 09/09/06 17:07:00		463.00
11.00 09/09/06 17:11:00	111.10	1433.00
16.00 09/09/06 17:16:00	116.30	1944.00
21.00 09/09/06 17:21:00	118.52	
26.00 09/09/06 17:26:00		2364.00
36.00 09/09/06 17:36:00	118.60	
38.00 09/09/06 17:38:00		2312.00
39.00 09/09/06 17:39:00		
41.00 09/09/06 17:41:00	118.30	
45.00 09/09/06 17:45:00		2372.00
46.00 09/09/06 17:46:00		2388.00
48.00 09/09/06 17:48:00	118.05	2395.00
50.00 09/09/06 17:50:00		2412.00
52.00 09/09/06 17:52:00	118.20	
55.00 09/09/06 17:55:00		2413.00
57.00 09/09/06 17:57:00	118.23	
58.00 09/09/06 18:00:00	118.25	
61.00 09/09/06 18:01:00	117.00	
62.00 09/09/06 18:02:00	116.23	
65.00 09/09/06 18:05:00	100.55	
67.00 09/09/06 18:07:00	86.73	
70.00 09/09/06 18:10:00	72.45	
73.00 09/09/06 18:13:00	62.50	
76.00 09/09/06 18:16:00	55.53	
79.00 09/09/06 18:19:00	48.30	
83.00 09/09/06 18:23:00	41.98	
88.00 09/09/06 18:28:00	35.21	
95.00 09/09/06 18:35:00	29.35	
100.00 09/09/06 18:40:00	25.72	
105.00 09/09/06 18:45:00	23.81	
110.00 09/09/06 18:50:00	22.55	
115.00 09/09/06 18:55:00	21.61	
120.00 09/09/06 19:00:00	21.00	

TIME LOGS REPORT Page 2

Date **TY/KK/DD hh:mm:ss**
09/09/06 17:00:00.0
 Well I.D. **HB1A**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/KK/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 09/09/06 17:00:00	
3.00 09/09/06 17:03:00	26.20
4.00 09/09/06 17:04:00	26.20
7.00 09/09/06 17:07:00	26.20
11.00 09/09/06 17:11:00	26.20
16.00 09/09/06 17:16:00	26.20
21.00 09/09/06 17:21:00	26.20
26.00 09/09/06 17:26:00	26.20
36.00 09/09/06 17:36:00	26.20
38.00 09/09/06 17:38:00	26.20
39.00 09/09/06 17:39:00	
41.00 09/09/06 17:41:00	26.20
45.00 09/09/06 17:45:00	26.00
46.00 09/09/06 17:46:00	25.90
48.00 09/09/06 17:48:00	25.90
50.00 09/09/06 17:50:00	25.90
52.00 09/09/06 17:52:00	25.80

TIME LOGS REPORT Page 3

Date **TY/KK/DD hh:mm:ss**
09/09/19 07:57:00.0
 Well I.D. **HB1A**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/KK/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 09/09/19 07:57:00	
15.00 09/09/19 08:10:00	25.60
23.00 09/09/19 08:20:00	25.60
33.00 09/09/19 08:30:00	26.00
43.00 09/09/19 08:40:00	26.00
46.00 09/09/19 08:45:00	26.10
55.00 09/09/19 08:50:00	26.20
65.00 09/09/19 09:00:00	26.20
73.00 09/09/19 09:10:00	26.20
83.00 09/09/19 09:20:00	26.40
93.00 09/09/19 09:30:00	26.40
99.00 09/09/19 09:36:00	26.20
106.00 09/09/19 09:45:00	26.40
118.00 09/09/19 09:55:00	26.50
123.00 09/09/19 10:00:00	26.40
125.00 09/09/19 10:10:00	26.40
143.00 09/09/19 10:20:00	26.60
153.00 09/09/19 10:30:00	26.60
163.00 09/09/19 10:40:00	26.60
173.00 09/09/19 10:50:00	26.70
183.00 09/09/19 11:00:00	26.70
193.00 09/09/19 11:10:00	26.70
203.00 09/09/19 11:20:00	26.70
213.00 09/09/19 11:30:00	26.80
223.00 09/09/19 11:40:00	26.60
243.00 09/09/19 12:00:00	26.60

PUMPING TEST ANALYSIS Recovery

Ratio t/t'

80

70

60

50

40

30

20

10

0

$c_a = 43.830$ FT

$T = 253.090$ USGPD/FT

(s') Residual Drawdown (Ft)

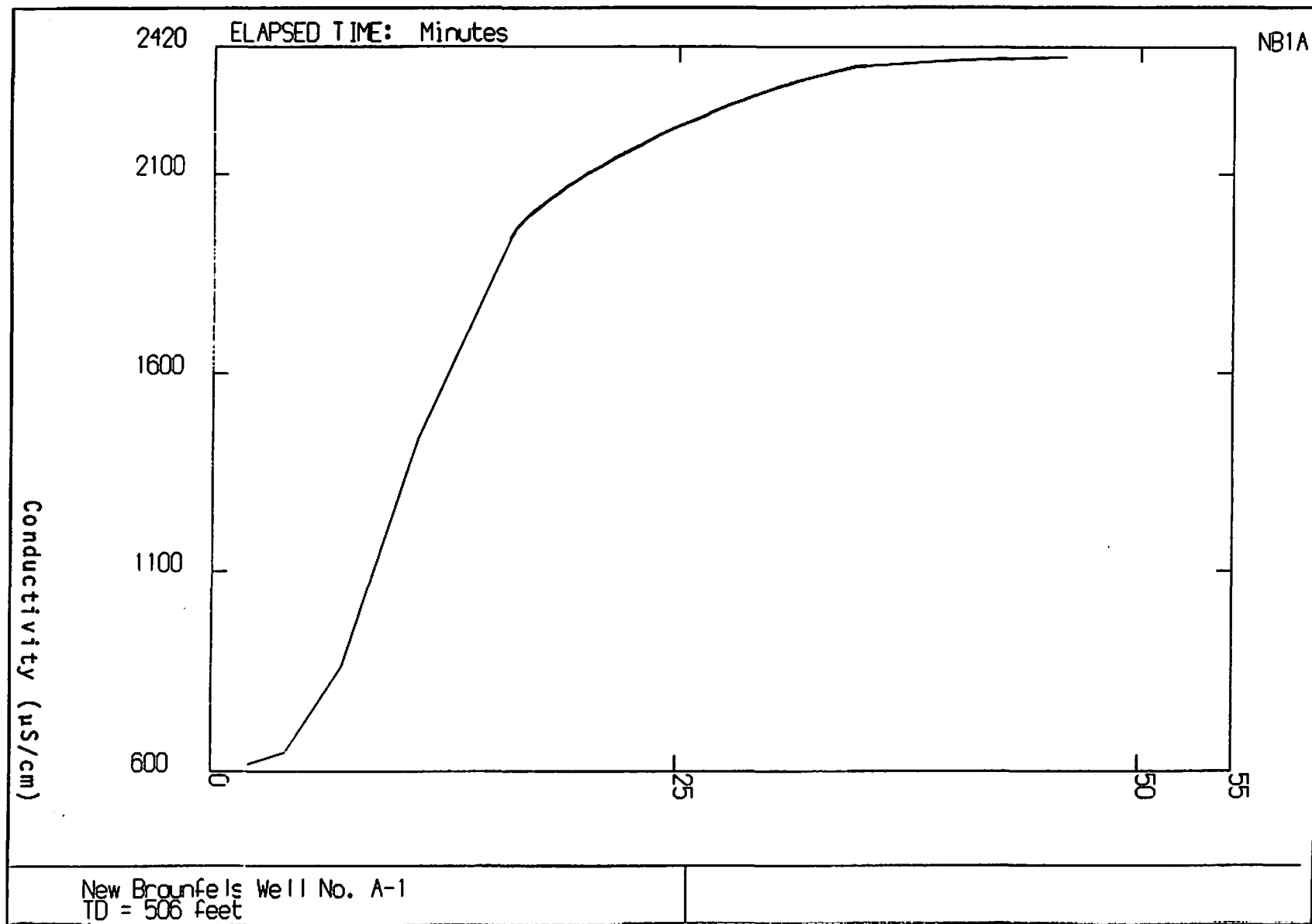
10^0

10^1

10^2

New Braunfels Well No. A
TD = 508 feet

50-foot Test



TIME LOGS REPORT

TY/KH/DD hh:mm:ss.s
09/09/07 11:35:00.0

Date
Well I.D. H21A

EDWARDS UNDERGROUND WATER DISTRICT

Page 1

Elapsed MINUTES	TIME - Real TY/KH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/09/07 11:35:00		
10.00	09/09/07 11:50:00	31.63	3540.00
20.00	09/09/07 12:05:00	32.66	3720.00
30.00	09/09/07 12:20:00	33.63	3765.00
40.00	09/09/07 12:35:00	33.70	3635.00
50.00	09/09/07 12:50:00	34.60	3835.00
60.00	09/09/07 12:55:00	34.35	3853.00
70.00	09/09/07 12:50:00		3880.00
80.00	09/09/07 12:25:00	33.30	3835.00
90.00	09/09/07 12:30:00		3885.00
100.00	09/09/07 12:35:00	33.73	3870.00
110.00	09/09/07 12:40:00		3890.00
120.00	09/09/07 12:45:00	33.90	3885.00
130.00	09/09/07 12:50:00	31.61	
140.00	09/09/07 12:55:00	32.15	
150.00	09/09/07 13:00:00	30.35	
160.00	09/09/07 13:05:00	30.35	
170.00	09/09/07 13:10:00	29.30	
180.00	09/09/07 13:15:00	29.30	
190.00	09/09/07 13:20:00	28.90	
200.00	09/09/07 13:25:00	28.65	
210.00	09/09/07 13:30:00	27.62	
220.00	09/09/07 13:45:00	27.70	
230.00	09/09/07 13:50:00	27.30	

TIME LOGS REPORT

TY/KH/DD hh:mm:ss.s
09/09/07 11:35:00.0

Date
Well I.D. H21A

EDWARDS UNDERGROUND WATER DISTRICT

Page 2

Elapsed MINUTES	TIME - Real TY/KH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/09/07 11:35:00	
10.00	09/09/07 11:50:00	25.00
20.00	09/09/07 12:05:00	25.00
30.00	09/09/07 12:20:00	25.70
40.00	09/09/07 12:35:00	25.60
50.00	09/09/07 12:50:00	25.50
60.00	09/09/07 12:55:00	25.50
70.00	09/09/07 12:50:00	25.50
80.00	09/09/07 12:25:00	25.50
90.00	09/09/07 12:30:00	25.50
100.00	09/09/07 12:35:00	25.50
110.00	09/09/07 12:40:00	25.60
120.00	09/09/07 12:45:00	25.50

PUMPING TEST ANALYSIS Recovery

Ratio t/t'

30

25

20

15

$c = 0.004$ FT

$T = 2361.442$ USPD/FT

(s) Residual Drawdown (ft)

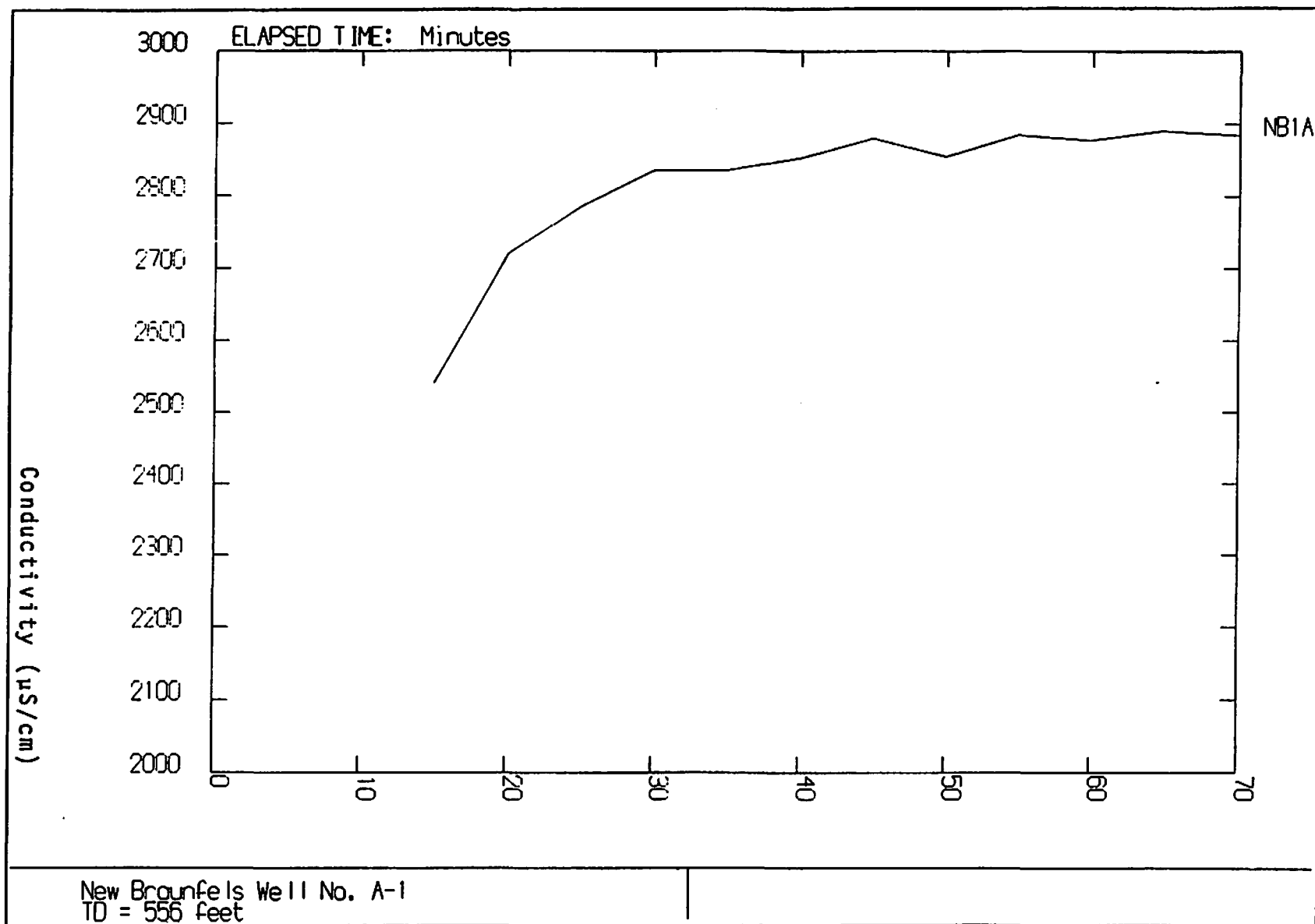
10^0

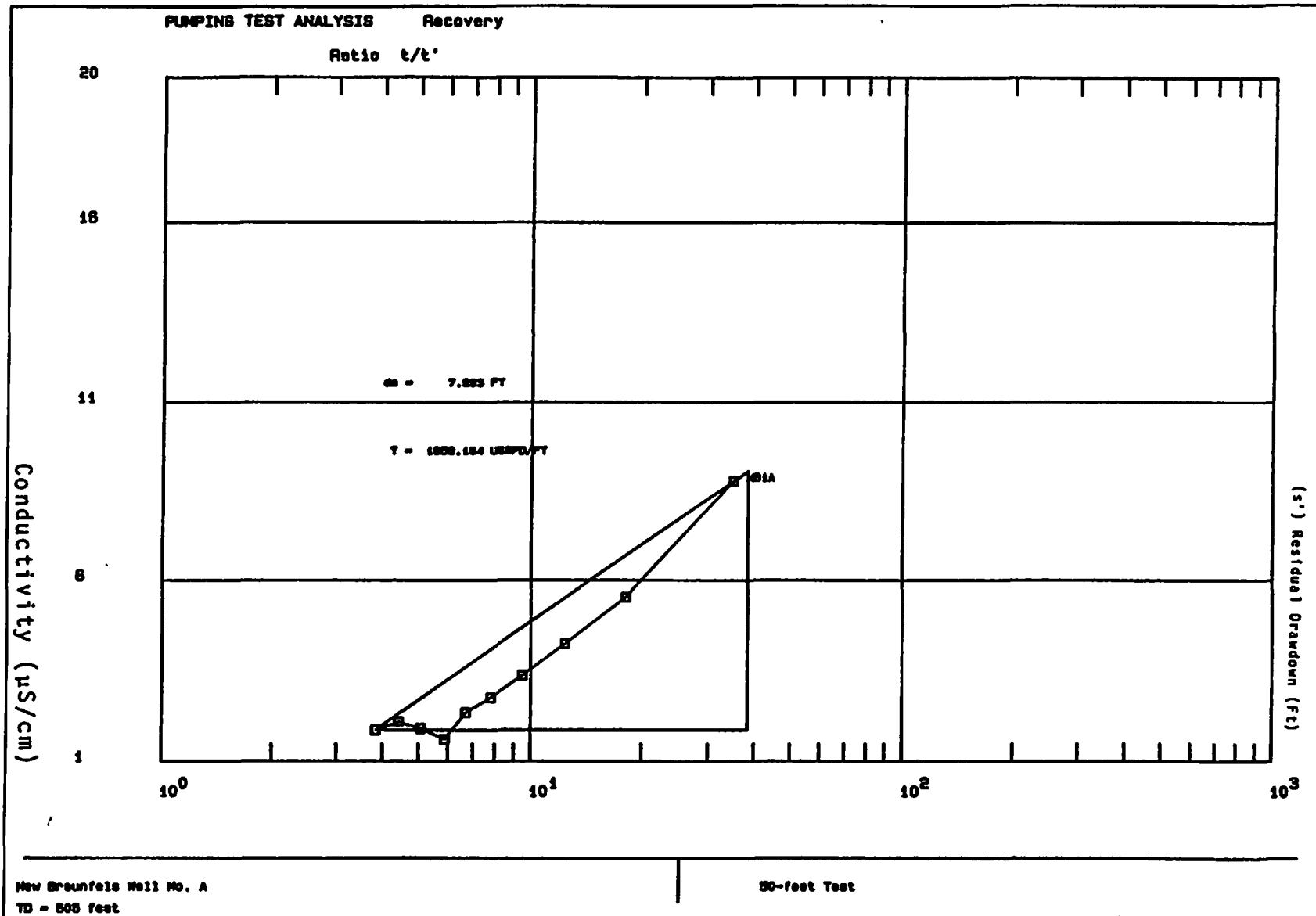
10^1

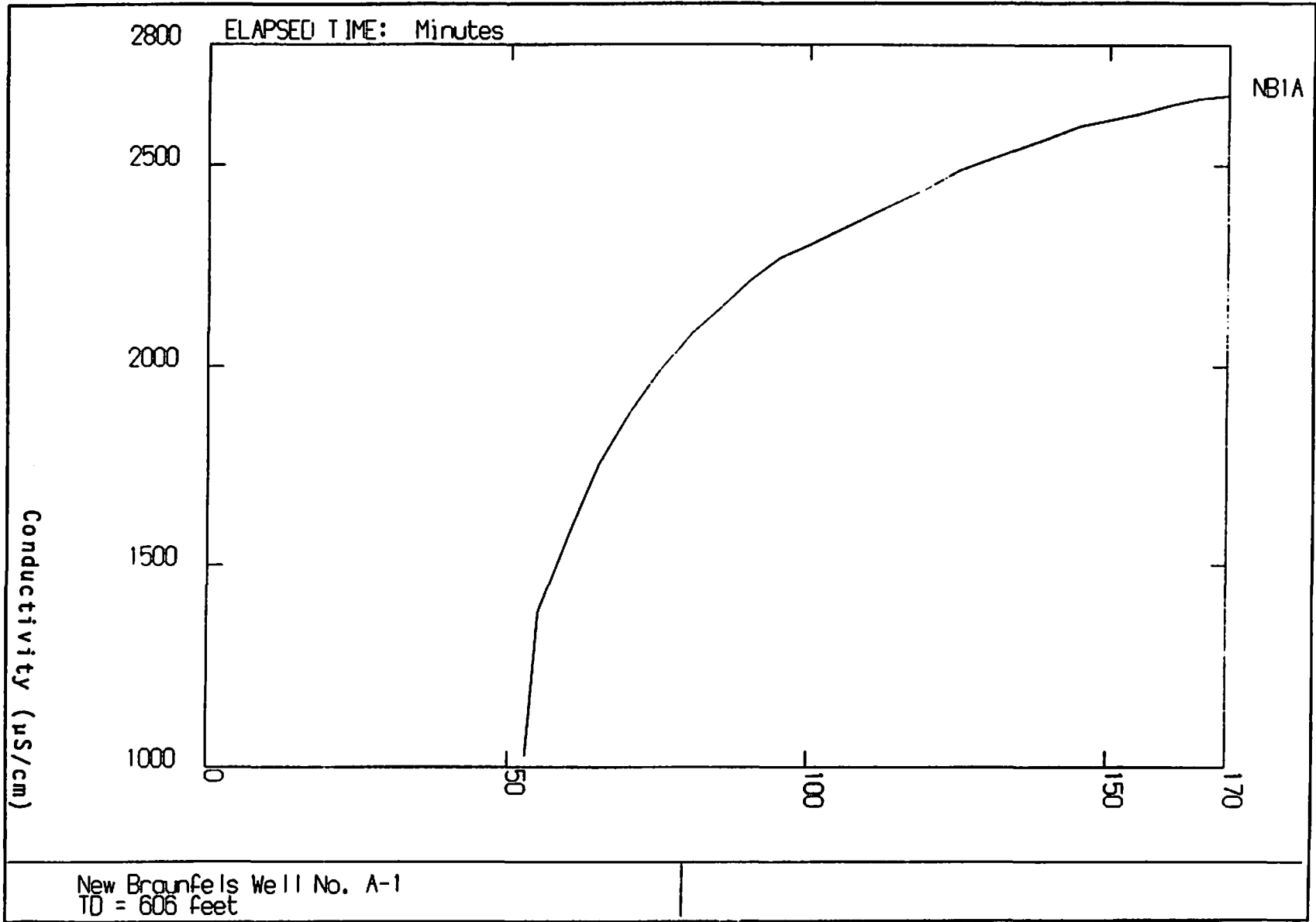
10^2

New Braunfels Well No. A
TD = 555 feet

50-foot Test



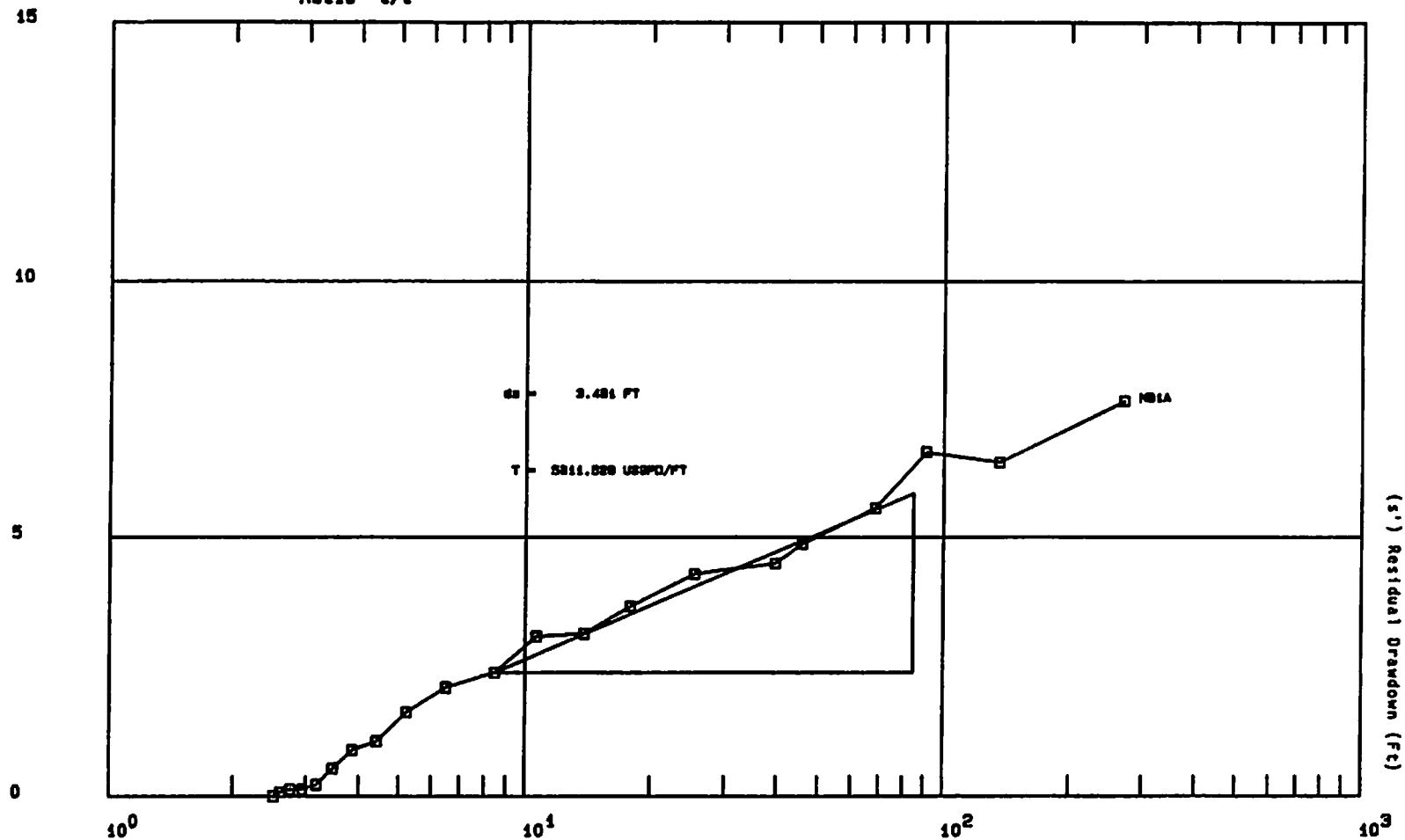




TIME LOGS REPORT				TIME LOGS REPORT			
			Page 1				Page 2
Date TY/HH/DD hh:mm:ss.0 09/09/12 07:22:00.0 Well I.D. HB1A EDWARDS UNDERGROUND WATER DISTRICT				Date TY/HH/DD hh:mm:ss.0 09/09/12 07:22:00.0 Well I.D. HB1A EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed MINUTES	TIME - Pool TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)	Elapsed MINUTES	TIME - Pool TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)	
0.00	09/09/12 07:22:00	17.91		0.00	09/09/12 07:22:00		
25.00	09/09/12 07:57:00		2645.00	25.00	09/09/12 07:57:00	25.00	
35.00	09/09/12 08:07:00		2632.00	35.00	09/09/12 08:07:00	25.00	
45.00	09/09/12 08:17:00		2629.00	45.00	09/09/12 08:17:00	25.10	
55.00	09/09/12 08:27:00		2626.00	55.00	09/09/12 08:27:00	25.10	
65.00	09/09/12 08:37:00		2626.00	65.00	09/09/12 08:37:00	25.20	
75.00	09/09/12 08:47:00		2625.00	75.00	09/09/12 08:47:00	25.20	
85.00	09/09/12 08:57:00		2624.00	85.00	09/09/12 08:57:00	25.20	
95.00	09/09/12 09:07:00		2627.00	95.00	09/09/12 09:07:00	25.20	
105.00	09/09/12 09:17:00		2628.00	105.00	09/09/12 09:17:00	25.20	
115.00	09/09/12 09:27:00		2603.00	115.00	09/09/12 09:27:00	25.20	
125.00	09/09/12 09:37:00		2612.00	125.00	09/09/12 09:37:00	25.20	
135.00	09/09/12 09:47:00		2612.00	135.00	09/09/12 09:47:00	25.20	
145.00	09/09/12 09:57:00		2620.00	145.00	09/09/12 09:57:00	25.20	
155.00	09/09/12 10:07:00		2620.00	155.00	09/09/12 10:07:00	25.20	
165.00	09/09/12 10:17:00		2621.00	165.00	09/09/12 10:17:00	25.20	
175.00	09/09/12 10:27:00		2640.00	175.00	09/09/12 10:27:00	25.20	
185.00	09/09/12 10:37:00		2626.00	185.00	09/09/12 10:37:00	25.20	
195.00	09/09/12 10:47:00		2626.00	195.00	09/09/12 10:47:00	25.40	
205.00	09/09/12 10:57:00		2625.00	205.00	09/09/12 10:57:00	25.20	
215.00	09/09/12 11:07:00		2625.00	215.00	09/09/12 11:07:00	25.20	
225.00	09/09/12 11:17:00		2626.00	225.00	09/09/12 11:17:00	25.40	
235.00	09/09/12 11:27:00		2670.00	235.00	09/09/12 11:27:00	25.30	
245.00	09/09/12 11:37:00		2673.00	245.00	09/09/12 11:37:00	25.30	
255.00	09/09/12 11:47:00		2682.00	255.00	09/09/12 11:47:00	25.30	
265.00	09/09/12 11:57:00		2695.00				
269.00	09/09/12 11:51:00	30.31					
270.00	09/09/12 11:52:00	25.91					
271.00	09/09/12 11:53:00	24.60					
272.00	09/09/12 11:54:00	24.62					
273.00	09/09/12 11:55:00	25.64					
274.00	09/09/12 11:56:00	22.50					
275.00	09/09/12 11:57:00	22.28					
276.00	09/09/12 11:58:00	22.50					
280.00	09/09/12 12:02:00	21.63					
285.00	09/09/12 12:07:00	21.08					
290.00	09/09/12 12:12:00	21.03					
297.00	09/09/12 12:19:00	21.03					
TIME LOGS REPORT				TIME LOGS REPORT			
			Page 2				
Date TY/HH/DD hh:mm:ss.0 09/09/12 07:22:00.0 Well I.D. HB1A EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed MINUTES	TIME - Pool TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)	Elapsed MINUTES	TIME - Pool TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)	
305.00	09/09/12 12:27:00	20.32					
310.00	09/09/12 12:40:00	20.82					
323.00	09/09/12 12:53:00	19.53					
340.00	09/09/12 13:10:00	18.98					
363.00	09/09/12 13:25:00	18.81					
378.00	09/09/12 13:40:00	18.45					
393.00	09/09/12 13:55:00	18.14					
406.00	09/09/12 14:10:00	18.03					
423.00	09/09/12 14:25:00	18.03					
430.00	09/09/12 14:40:00	18.00					
446.00	09/09/12 14:50:00	17.91					

PUMPING TEST ANALYSIS Recovery

Ratio t/t'



New Braunfels Well No. A
 TD = 634 feet

Pecker Test/Interval = 634.5-634 feet

PUMPING TEST ANALYSIS Recovery

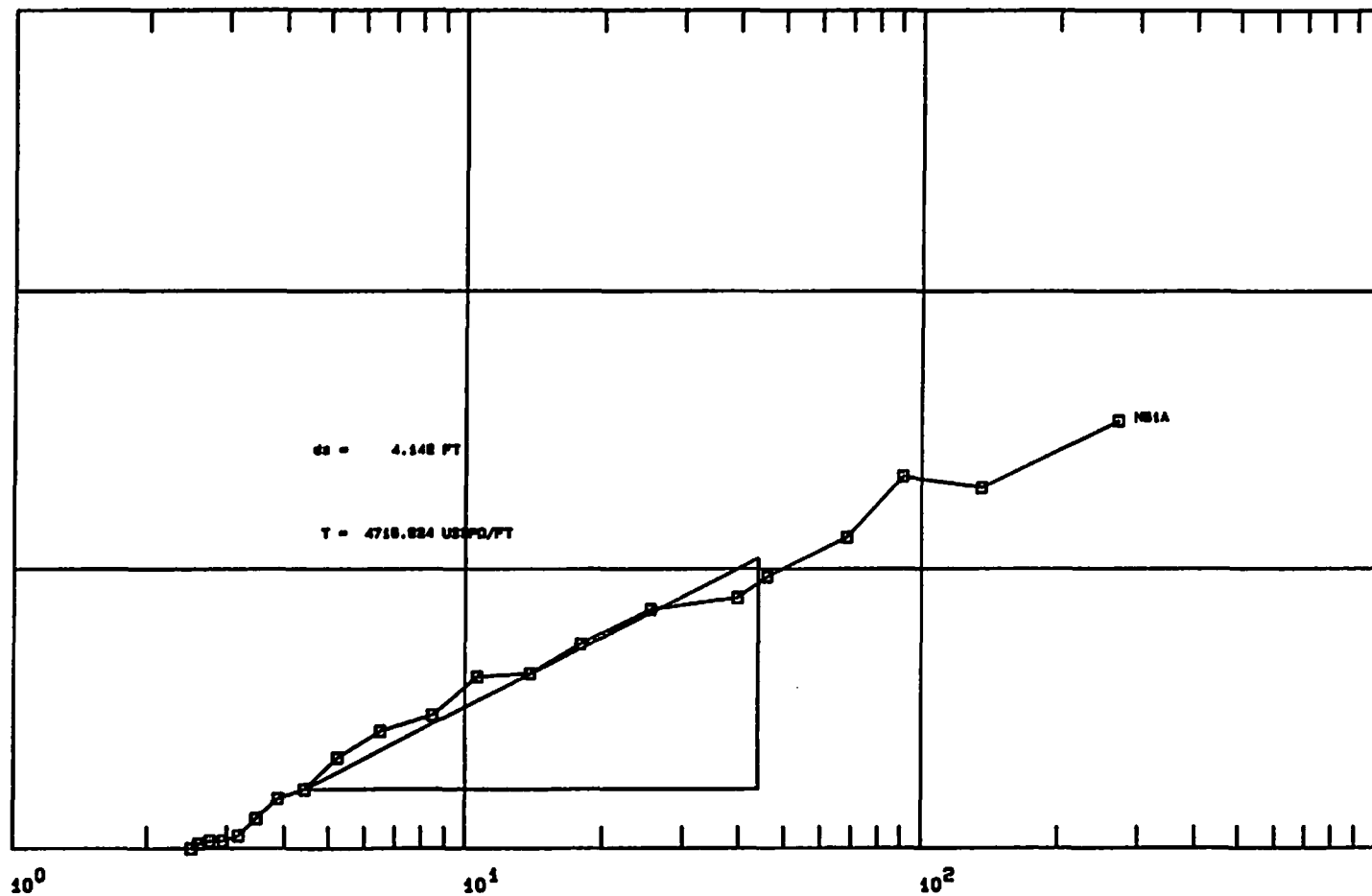
Ratio t/t'

15

10

5

0



$c_s = 4.148 \text{ FT}$

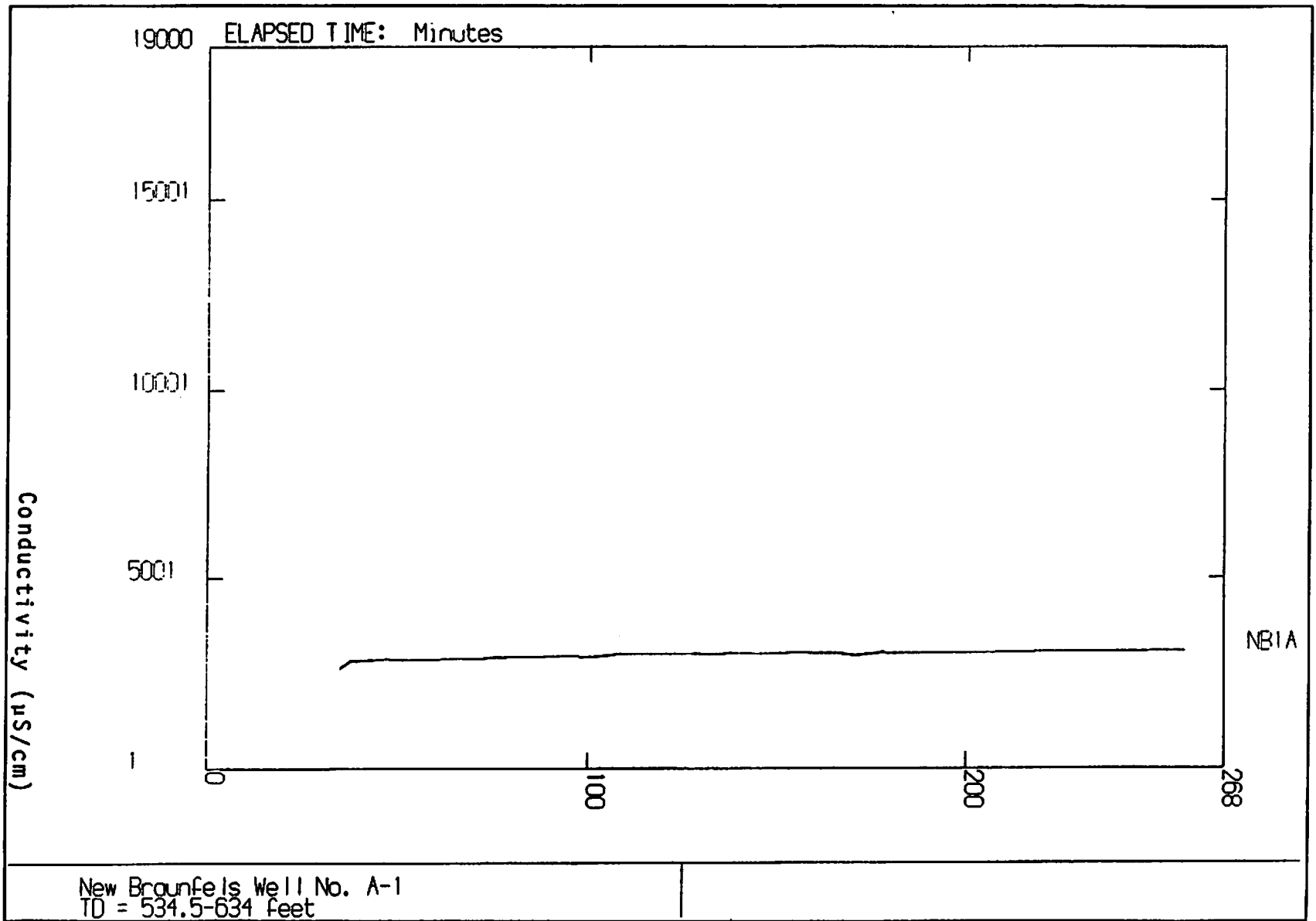
$T = 4716.824 \text{ US GPD/FT}$

(ft) Residual Drawdown (ft)

New Braunfels Well No. A
TD = 634 feet

Packer Test/Interval = 634.5-634 feet

I-14



----- TIME LOGS REPORT -----

Page 1

TT/HH/DD hh:mm:ss
 Date 09/09/13 12:23:00.0
 Well I.D. #B1A
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	WATERLEVEL (Foot below LSL)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/09/13 12:23:00	16.94	
7.00	09/09/13 12:30:00	47.90	2600.00
12.00	09/09/13 12:35:00		2620.00
17.00	09/09/13 12:40:00	49.00	2610.00
22.00	09/09/13 12:45:00		
27.00	09/09/13 12:50:00	50.40	2660.00
32.00	09/09/13 12:55:00		2835.00
37.00	09/09/13 13:00:00	50.90	2830.00
42.00	09/09/13 13:05:00	51.25	2830.00
47.00	09/09/13 13:10:00	51.40	2830.00
52.00	09/09/13 13:15:00		2830.00
57.00	09/09/13 13:20:00		
62.00	09/09/13 13:25:00		
67.00	09/09/13 13:30:00	30.30	
72.00	09/09/13 13:35:00	32.30	
77.00	09/09/13 13:40:00	30.62	
82.00	09/09/13 13:45:00	30.34	
87.00	09/09/13 13:50:00	18.05	
92.00	09/09/13 14:00:00	18.05	
107.00	09/09/13 14:10:00	17.48	
117.00	09/09/13 14:20:00	17.05	
122.00	09/09/13 14:25:00	16.94	

----- TIME LOGS REPORT -----

Page 2

TT/HH/DD hh:mm:ss
 Date 09/09/13 12:23:00.0
 Well I.D. #B1A
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/09/13 12:23:00	
7.00	09/09/13 12:30:00	25.60
12.00	09/09/13 12:35:00	25.60
17.00	09/09/13 12:40:00	25.60
22.00	09/09/13 12:45:00	25.60
27.00	09/09/13 12:50:00	25.30
32.00	09/09/13 12:55:00	25.30
37.00	09/09/13 13:00:00	25.30
42.00	09/09/13 13:05:00	25.30
47.00	09/09/13 13:10:00	25.30
52.00	09/09/13 13:15:00	25.30
57.00	09/09/13 13:20:00	25.30
62.00	09/09/13 13:25:00	25.30

PUMPING TEST ANALYSIS Recovery

Ratio t/t'

10

9

8

7

6

5

4

3

2

1

0

$s_w = 9.779 \text{ FT}$

$Y = 8715.432 \text{ UNITS/FT}$

MD1A

(5') Residual Drawdown (Fe)

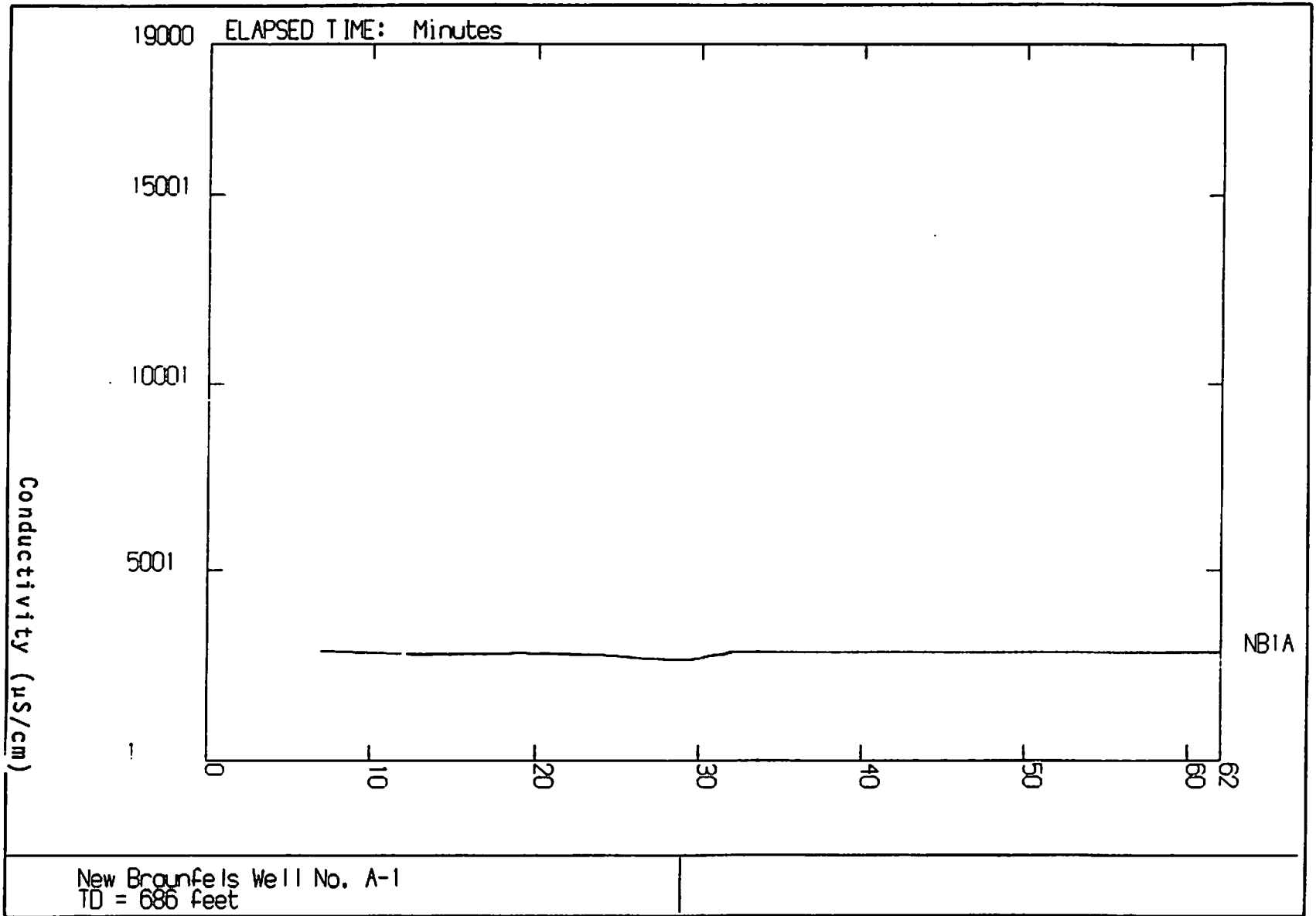
10^0

10^1

10^2

New Braunfels Well No. A
TD = 588.5 feet

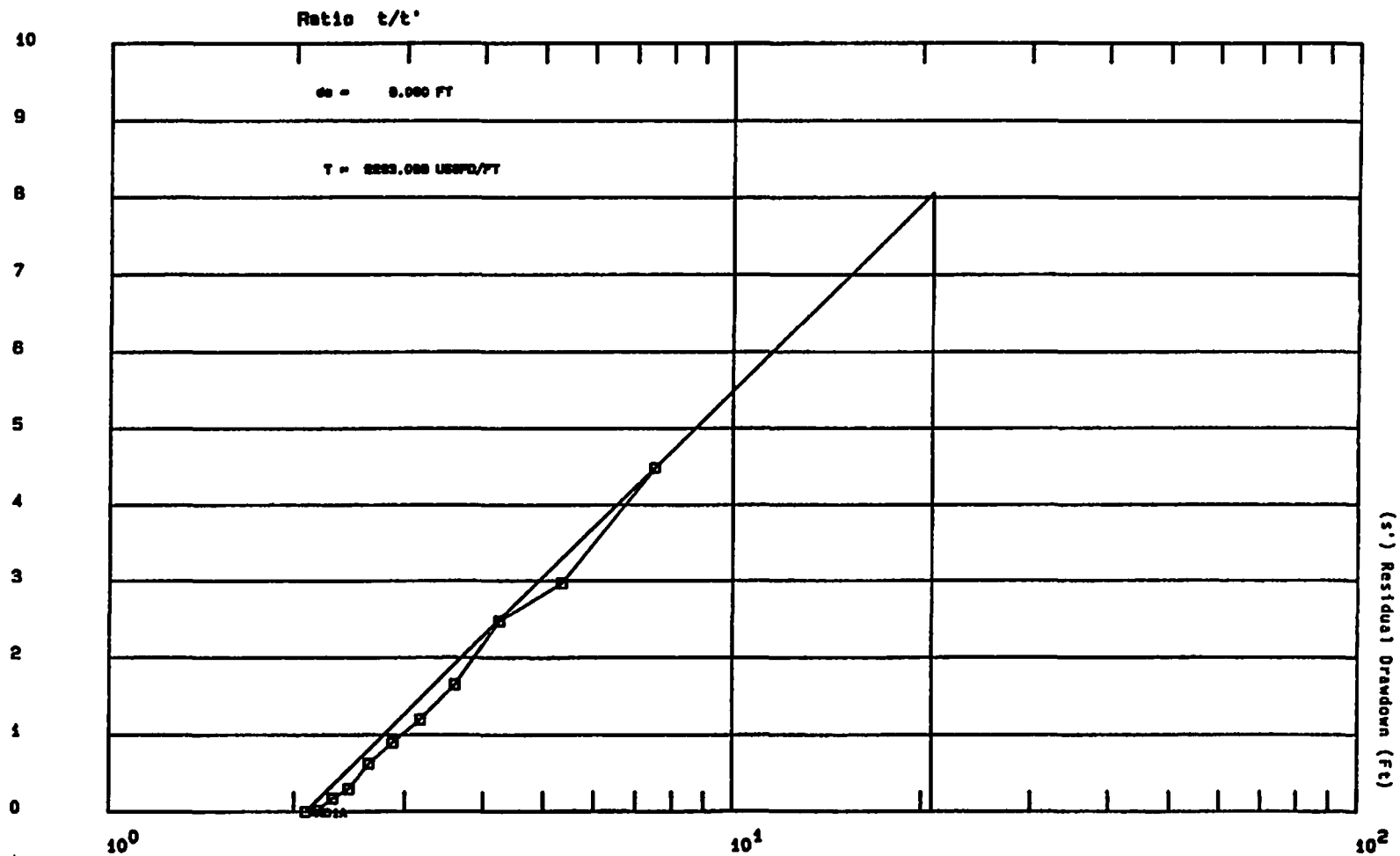
50-foot Test



TIME LOGS REPORT				Page 1
Date 09/09/13 16:40:00.0 Well I.D. MB1A REWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Pool YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)	
0.00	09/09/13 16:40:00	17.18		
5.00	09/09/13 16:45:00	41.15	2516.00	
10.00	09/09/13 16:50:00	41.60	2540.00	
15.00	09/09/13 16:55:00	42.00	2570.00	
20.00	09/09/13 17:00:00	42.10	2530.00	
25.00	09/09/13 17:05:00	42.35	2541.00	
30.00	09/09/13 17:10:00	42.30	2530.00	
35.00	09/09/13 17:15:00	42.40	2504.00	
40.00	09/09/13 17:20:00	42.45	2540.00	
45.00	09/09/13 17:25:00	42.40	2540.00	
50.00	09/09/13 17:30:00	42.50		
55.00	09/09/13 17:35:00	42.57	2533.00	
60.00	09/09/13 17:40:00	42.61	2532.00	
65.00	09/09/13 17:45:00	42.63	2550.00	
75.00	09/09/13 17:55:00	31.62		
80.00	09/09/13 18:00:00	30.00		
85.00	09/09/13 18:05:00	19.30		
90.00	09/09/13 18:10:00	18.75		
95.00	09/09/13 18:15:00	18.30		
100.00	09/09/13 18:20:00	18.00		
105.00	09/09/13 18:25:00	17.72		
110.00	09/09/13 18:30:00	17.40		
115.00	09/09/13 18:35:00	17.20		
120.00	09/09/13 18:40:00	17.25		
125.00	09/09/13 18:45:00	17.10		

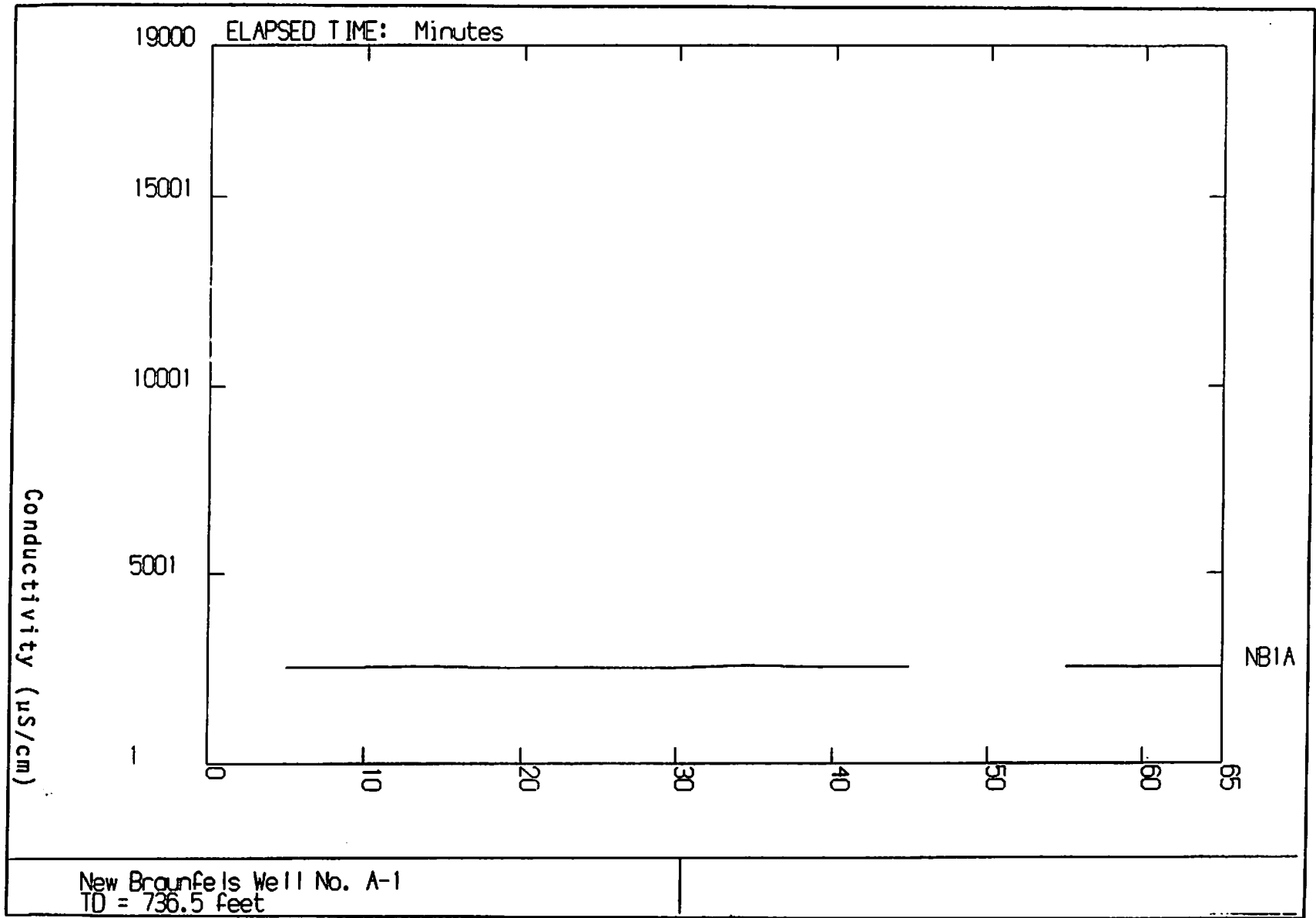
TIME LOGS REPORT				Page 2
Date 09/09/13 16:40:00.0 Well I.D. MB1A REWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Pool YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)		
0.00	09/09/13 16:40:00			
5.00	09/09/13 16:45:00	25.70		
10.00	09/09/13 16:50:00	25.60		
15.00	09/09/13 16:55:00	25.60		
20.00	09/09/13 17:00:00	25.70		
25.00	09/09/13 17:05:00	25.45		
30.00	09/09/13 17:10:00	25.60		
35.00	09/09/13 17:15:00	25.60		
40.00	09/09/13 17:20:00	25.60		
45.00	09/09/13 17:25:00	25.60		
55.00	09/09/13 17:35:00	25.60		
60.00	09/09/13 17:40:00	25.60		
65.00	09/09/13 17:45:00	25.50		

PUMPING TEST ANALYSIS Recovery



New Braunfels Well No. A
TD = 738.5 feet

50-foot Test



TIME LOGS REPORT

Page 1

Date TY/KH/DO h:mm:ss.s
 09/09/14 13:15:00.0
 Well I.D. N21A

EDWARDS UNDERGROUND WATER DISTRICT

TIME LOGS REPORT

Page 3

Date TY/KH/DO h:mm:ss.s
 09/09/14 13:15:00.0
 Well I.D. N21A

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/KH/DO h:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/09/14 13:15:00	26.43	
10.00	09/09/14 13:25:00		3121.00
15.00	09/09/14 13:30:00		3273.00
20.00	09/09/14 13:35:00		3362.00
25.00	09/09/14 13:40:00		3414.00
30.00	09/09/14 13:45:00		3435.00
35.00	09/09/14 13:50:00		3439.00
40.00	09/09/14 13:55:00		3445.00
45.00	09/09/14 14:00:00		3439.00
50.00	09/09/14 14:05:00		3453.00
55.00	09/09/14 14:10:00		3455.00
60.00	09/09/14 14:15:00		3442.00
65.00	09/09/14 14:20:00		3440.00
70.00	09/09/14 14:25:00		3444.00
75.00	09/09/14 14:30:00		3445.00
80.00	09/09/14 14:35:00		3436.00
85.00	09/09/14 14:40:00		3436.00
90.00	09/09/14 14:45:00		3448.00
95.00	09/09/14 14:50:00		3454.00
100.00	09/09/14 14:55:00		3454.00
105.00	09/09/14 15:00:00		3435.00
110.00	09/09/14 15:05:00		3434.00
115.00	09/09/14 15:10:00		3437.00
120.00	09/09/14 15:15:00		3437.00
125.00	09/09/14 15:20:00		3438.00
130.00	09/09/14 15:25:00		3435.00
135.00	09/09/14 15:30:00		3420.00
140.00	09/09/14 15:35:00		3420.00
145.00	09/09/14 15:40:00		3420.00
150.00	09/09/14 15:45:00		3420.00
155.00	09/09/14 15:50:00		3420.00
160.00	09/09/14 15:55:00		3420.00
165.00	09/09/14 16:00:00		3420.00
170.00	09/09/14 16:05:00		3420.00
175.00	09/09/14 16:10:00		3420.00
180.00	09/09/14 16:15:00		3420.00
185.00	09/09/14 16:20:00		3420.00
190.00	09/09/14 16:25:00		3420.00
195.00	09/09/14 16:30:00		3420.00
200.00	09/09/14 16:35:00		3420.00
205.00	09/09/14 16:40:00		3420.00
210.00	09/09/14 16:45:00		3420.00
215.00	09/09/14 16:50:00		3420.00
220.00	09/09/14 16:55:00		3420.00
225.00	09/09/14 17:00:00		3420.00
230.00	09/09/14 17:05:00		3420.00
235.00	09/09/14 17:10:00		3420.00
240.00	09/09/14 17:15:00		3420.00
245.00	09/09/14 17:20:00		3420.00
250.00	09/09/14 17:25:00		3420.00
255.00	09/09/14 17:30:00	26.01	
260.00	09/09/14 17:35:00	25.20	
265.00	09/09/14 17:40:00	25.22	
270.00	09/09/14 17:45:00	24.30	
275.00	09/09/14 17:50:00	22.43	
280.00	09/09/14 17:55:00	22.12	
285.00	09/09/14 18:00:00	22.50	
290.00	09/09/14 18:05:00	21.99	
295.00	09/09/14 18:10:00	21.05	
300.00	09/09/14 18:15:00	21.02	
305.00	09/09/14 18:20:00		
310.00	09/09/14 18:25:00	19.65	
315.00	09/09/14 18:30:00	19.65	
320.00	09/09/14 18:35:00	19.42	
325.00	09/09/14 18:40:00	18.61	
330.00	09/09/14 18:45:00	18.27	
335.00	09/09/14 18:50:00	19.10	
340.00	09/09/14 18:55:00	17.92	
345.00	09/09/14 19:00:00	17.46	
350.00	09/09/14 19:05:00	17.37	
355.00	09/09/14 19:10:00	17.30	
360.00	09/09/14 19:15:00		
365.00	09/09/14 19:20:00	17.41	
370.00	09/09/14 19:25:00	17.37	

Elapsed MINUTES	TIME - Real TY/KH/DO h:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/09/14 13:15:00	
10.00	09/09/14 13:25:00	25.30
15.00	09/09/14 13:30:00	25.40
20.00	09/09/14 13:35:00	25.70
25.00	09/09/14 13:40:00	25.60
30.00	09/09/14 13:45:00	25.60
35.00	09/09/14 13:50:00	25.60
40.00	09/09/14 13:55:00	25.60
45.00	09/09/14 14:00:00	25.60
50.00	09/09/14 14:05:00	25.90
55.00	09/09/14 14:10:00	25.90
60.00	09/09/14 14:15:00	25.90
65.00	09/09/14 14:20:00	26.00
70.00	09/09/14 14:25:00	26.10
75.00	09/09/14 14:30:00	26.10
80.00	09/09/14 14:35:00	26.10
85.00	09/09/14 14:40:00	26.10
90.00	09/09/14 14:45:00	26.10
95.00	09/09/14 14:50:00	26.10
100.00	09/09/14 14:55:00	26.10
105.00	09/09/14 15:00:00	26.10
110.00	09/09/14 15:05:00	26.10
115.00	09/09/14 15:10:00	26.10
120.00	09/09/14 15:15:00	26.10
125.00	09/09/14 15:20:00	26.10
130.00	09/09/14 15:25:00	26.10
135.00	09/09/14 15:30:00	26.10
140.00	09/09/14 15:35:00	26.10
145.00	09/09/14 15:40:00	26.10
150.00	09/09/14 15:45:00	26.10
155.00	09/09/14 15:50:00	26.10
160.00	09/09/14 15:55:00	26.10
165.00	09/09/14 16:00:00	26.10
170.00	09/09/14 16:05:00	26.10
175.00	09/09/14 16:10:00	26.10
180.00	09/09/14 16:15:00	26.10
185.00	09/09/14 16:20:00	26.10
190.00	09/09/14 16:25:00	26.10
195.00	09/09/14 16:30:00	26.10
200.00	09/09/14 16:35:00	26.10
205.00	09/09/14 16:40:00	26.10
210.00	09/09/14 16:45:00	26.10
215.00	09/09/14 16:50:00	26.10
220.00	09/09/14 16:55:00	26.10
225.00	09/09/14 17:00:00	26.10
230.00	09/09/14 17:05:00	26.10
235.00	09/09/14 17:10:00	26.10
240.00	09/09/14 17:15:00	26.10
245.00	09/09/14 17:20:00	26.10
250.00	09/09/14 17:25:00	26.10

TIME LOGS REPORT

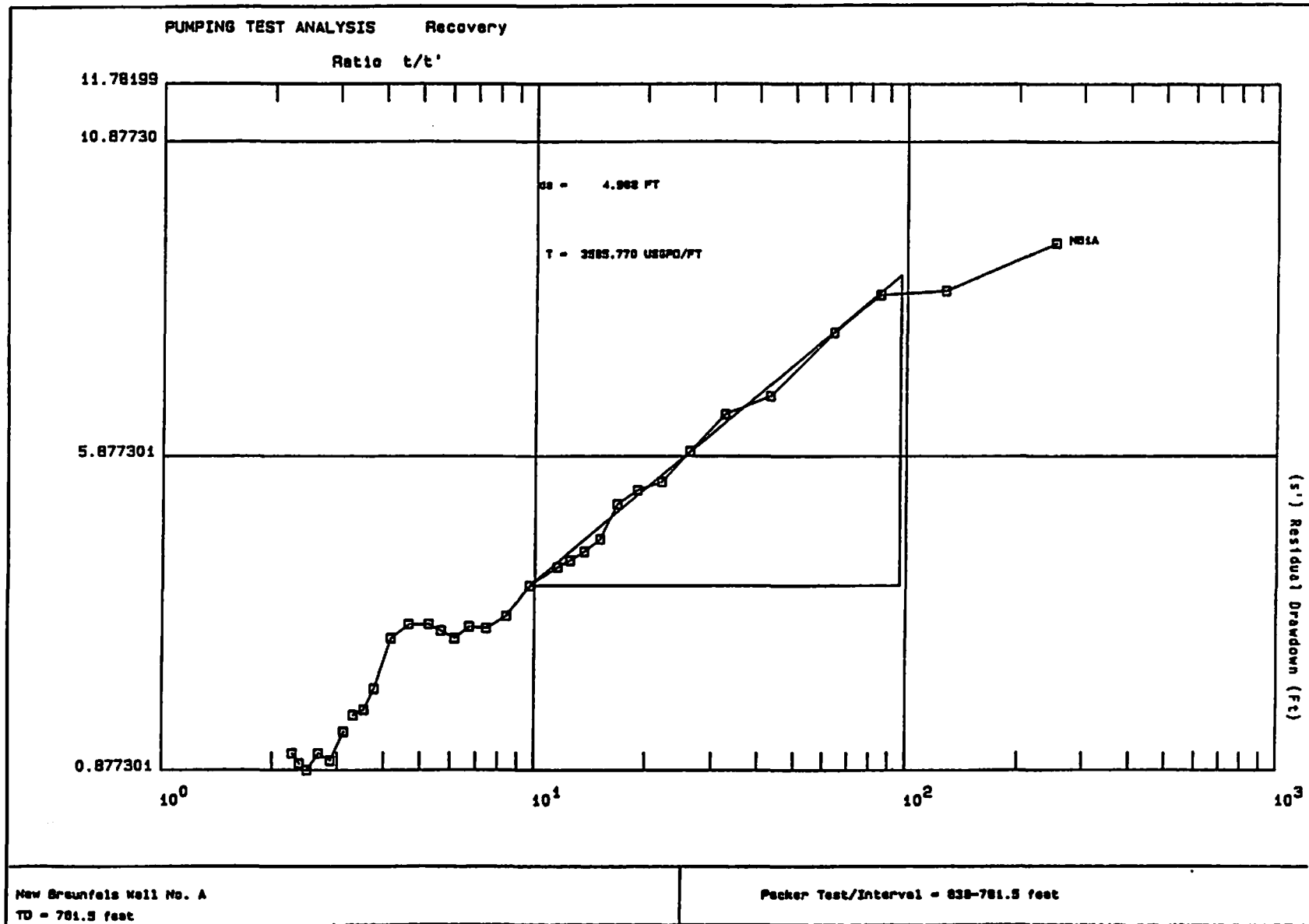
Page 3

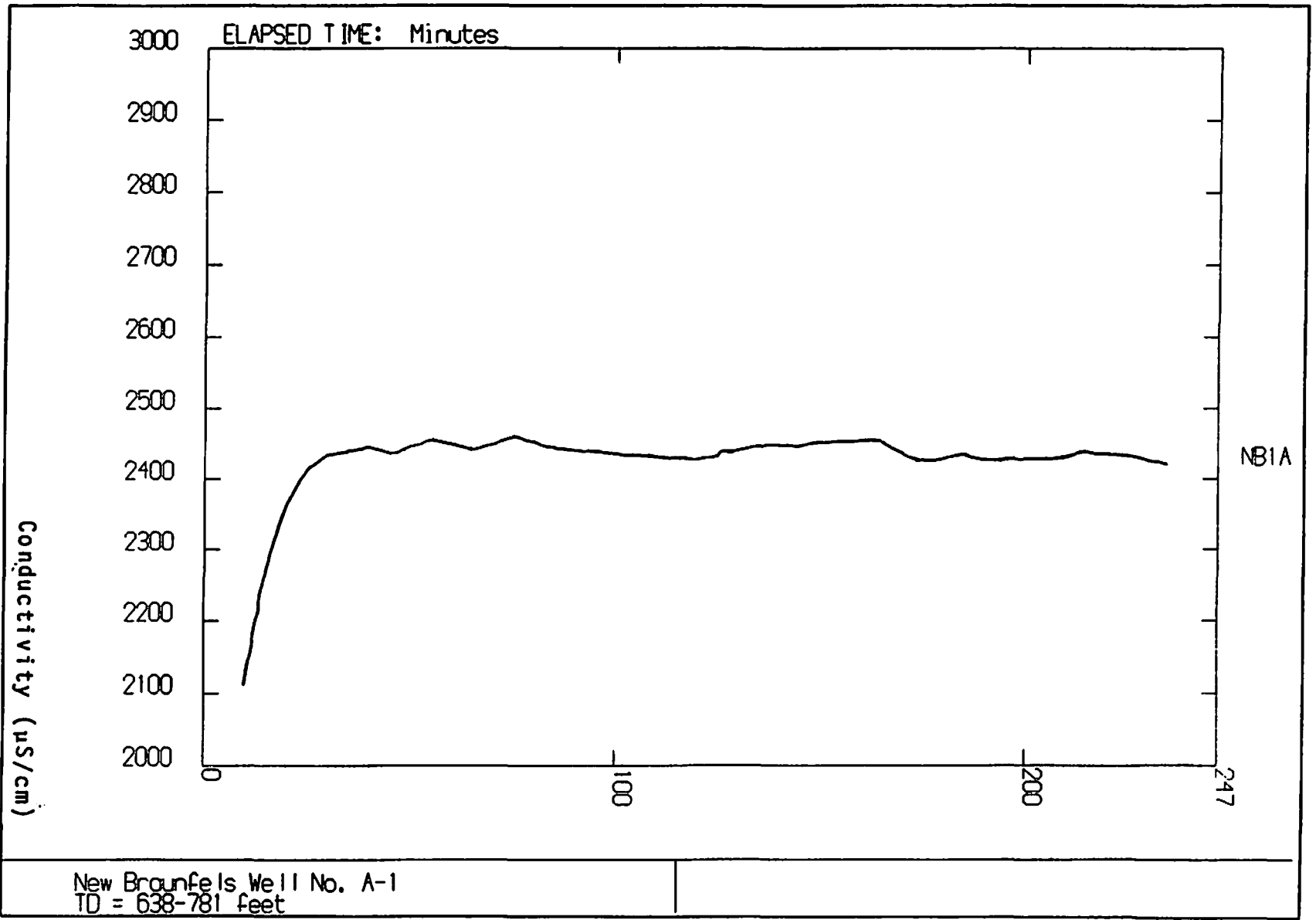
Date TY/KH/DO h:mm:ss.s
 09/09/14 13:15:00.0
 Well I.D. N21A

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/KH/DO h:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
365.00	09/09/14 19:25:00	17.41	
370.00	09/09/14 19:30:00	17.37	
375.00	09/09/14 19:35:00		
380.00	09/09/14 19:40:00		
385.00	09/09/14 19:45:00		
390.00	09/09/14 19:50:00		
395.00	09/09/14 19:55:00		
400.00	09/09/14 20:00:00		
405.00	09/09/14 20:05:00		
410.00	09/09/14 20:10:00		
415.00	09/09/14 20:15:00		
420.00	09/09/14 20:20:00		
425.00	09/09/14 20:25:00		
430.00	09/09/14 20:30:00		
435.00	09/09/14 20:35:00		
440.00	09/09/14 20:40:00		
445.00	09/09/14 20:45:00		

Elapsed MINUTES	TIME - Real TY/KH/DO h:mm:ss	TEMPERATURE (Degree Celsius)
365.00	09/09/14 19:25:00	
370.00	09/09/14 19:30:00	
375.00	09/09/14 19:35:00	
380.00	09/09/14 19:40:00	
385.00	09/09/14 19:45:00	
390.00	09/09/14 19:50:00	
395.00	09/09/14 19:55:00	
400.00	09/09/14 20:00:00	
405.00	09/09/14 20:05:00	
410.00	09/09/14 20:10:00	
415.00	09/09/14 20:15:00	
420.00	09/09/14 20:20:00	
425.00	09/09/14 20:25:00	
430.00	09/09/14 20:30:00	
435.00	09/09/14 20:35:00	
440.00	09/09/14 20:40:00	
445.00	09/09/14 20:45:00	





TIME LOGS REPORT

Page 1

TY/HR/DD hh:mm:ss.s

09/09/15 13:42:00.0

Date

09/09/15 13:42:00.0

Well I.D.

MB1A

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HR/DD hh:mm:ss	WATERLEVEL (Foot below LSL)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/09/15 13:42:00	18.65	
3.00	09/09/15 13:45:00		3346.00
6.00	09/09/15 13:50:00	21.71	
13.00	09/09/15 13:53:00	22.22	3314.00
18.00	09/09/15 14:00:00	22.41	
22.00	09/09/15 14:03:00	22.60	3346.00
26.00	09/09/15 14:10:00	22.80	
32.00	09/09/15 14:15:00	22.90	3341.00
38.00	09/09/15 14:20:00	22.95	
42.00	09/09/15 14:25:00	22.94	3322.00
48.00	09/09/15 14:30:00	22.95	
52.00	09/09/15 14:35:00	22.96	3395.00
58.00	09/09/15 14:40:00	22.98	3348.00
62.00	09/09/15 14:45:00	23.00	3327.00
64.00	09/09/15 14:46:00	23.23	
65.00	09/09/15 14:47:00	24.28	
66.00	09/09/15 14:48:00	22.23	
67.00	09/09/15 14:49:00	20.65	
68.00	09/09/15 14:50:00	20.23	
72.00	09/09/15 14:55:00	18.90	
78.00	09/09/15 15:00:00	18.30	
82.00	09/09/15 15:05:00	18.00	
88.00	09/09/15 15:10:00	17.62	
98.00	09/09/15 15:20:00	17.30	
108.00	09/09/15 15:30:00	16.98	
118.00	09/09/15 15:40:00	16.70	
122.00	09/09/15 15:45:00	16.65	

TIME LOGS REPORT

Page 2

TY/HR/DD hh:mm:ss.s

09/09/15 13:42:00.0

Date

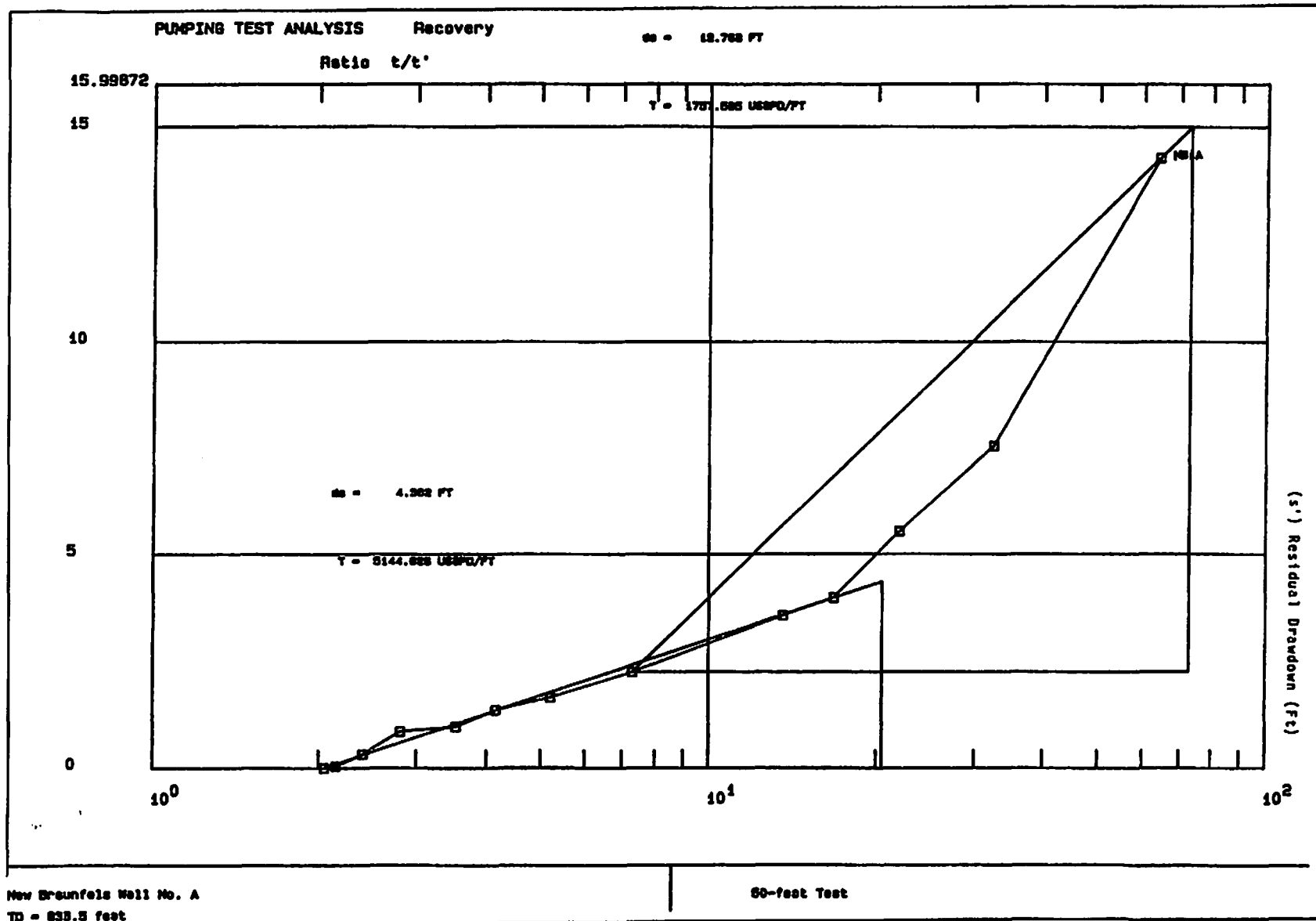
09/09/15 13:42:00.0

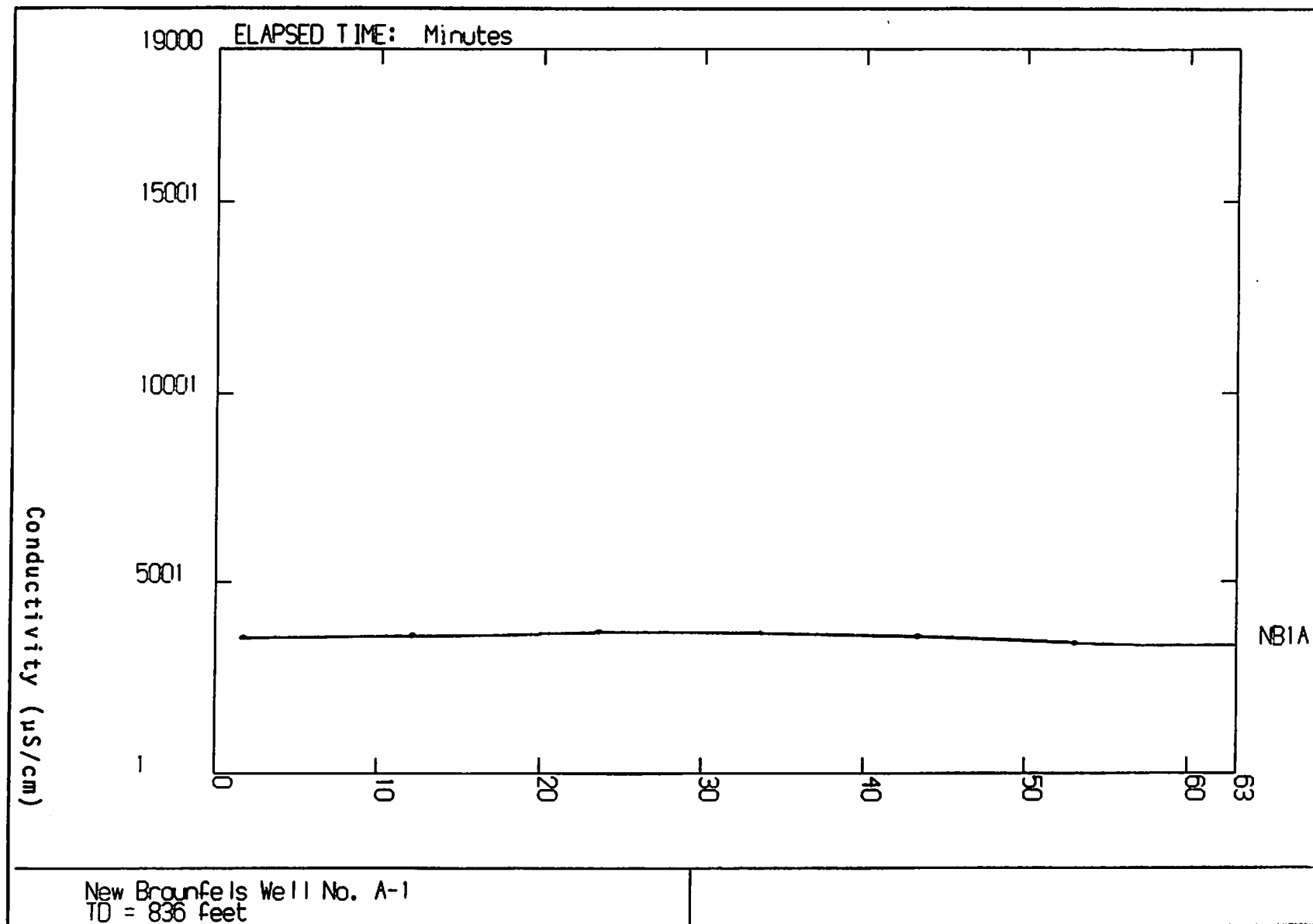
Well I.D.

MB1A

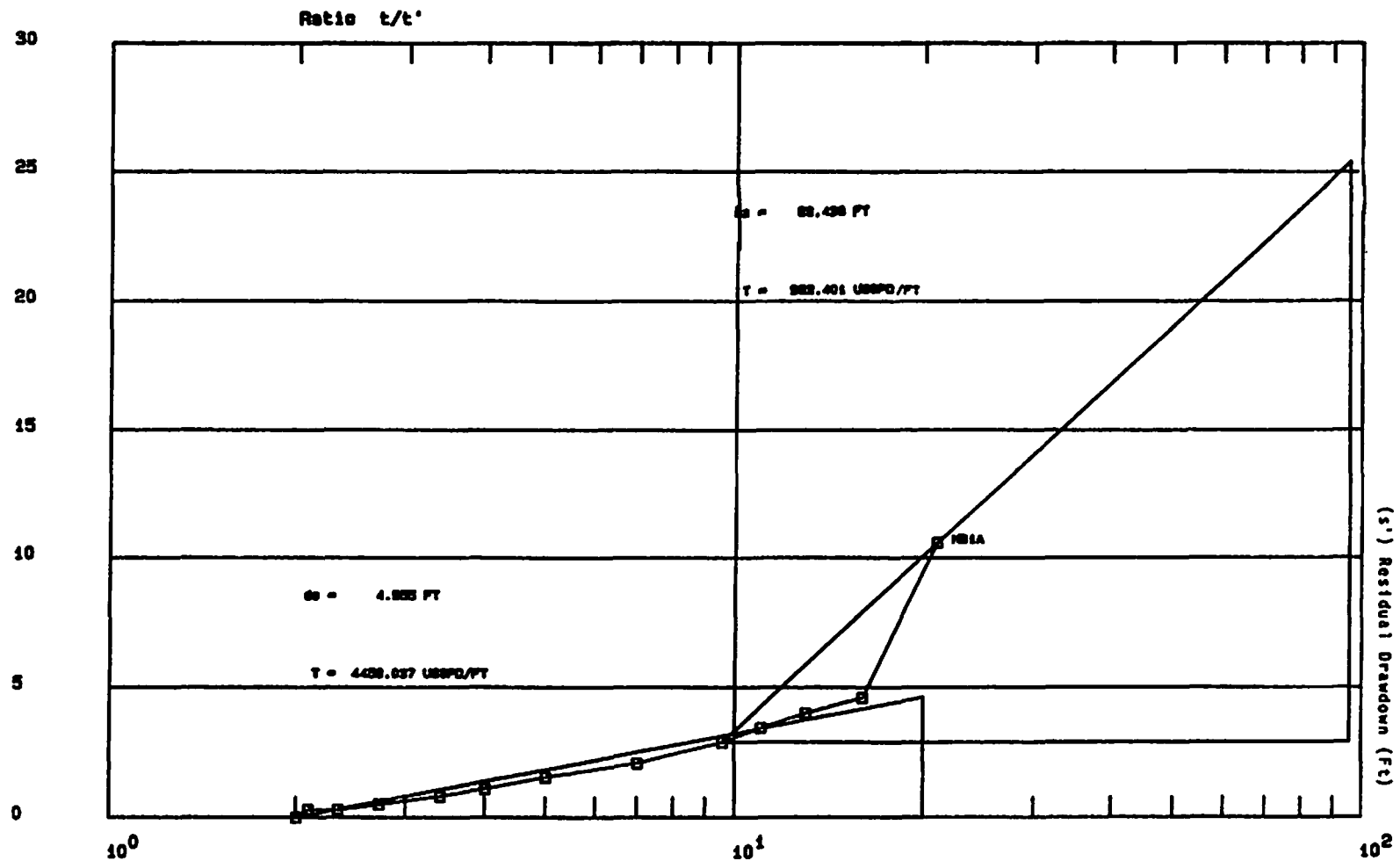
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HR/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/09/15 13:42:00	
3.00	09/09/15 13:45:00	26.10
13.00	09/09/15 13:55:00	26.20
22.00	09/09/15 14:05:00	26.20
32.00	09/09/15 14:15:00	26.10
42.00	09/09/15 14:25:00	26.10
52.00	09/09/15 14:35:00	26.10
58.00	09/09/15 14:40:00	26.10
62.00	09/09/15 14:45:00	26.10



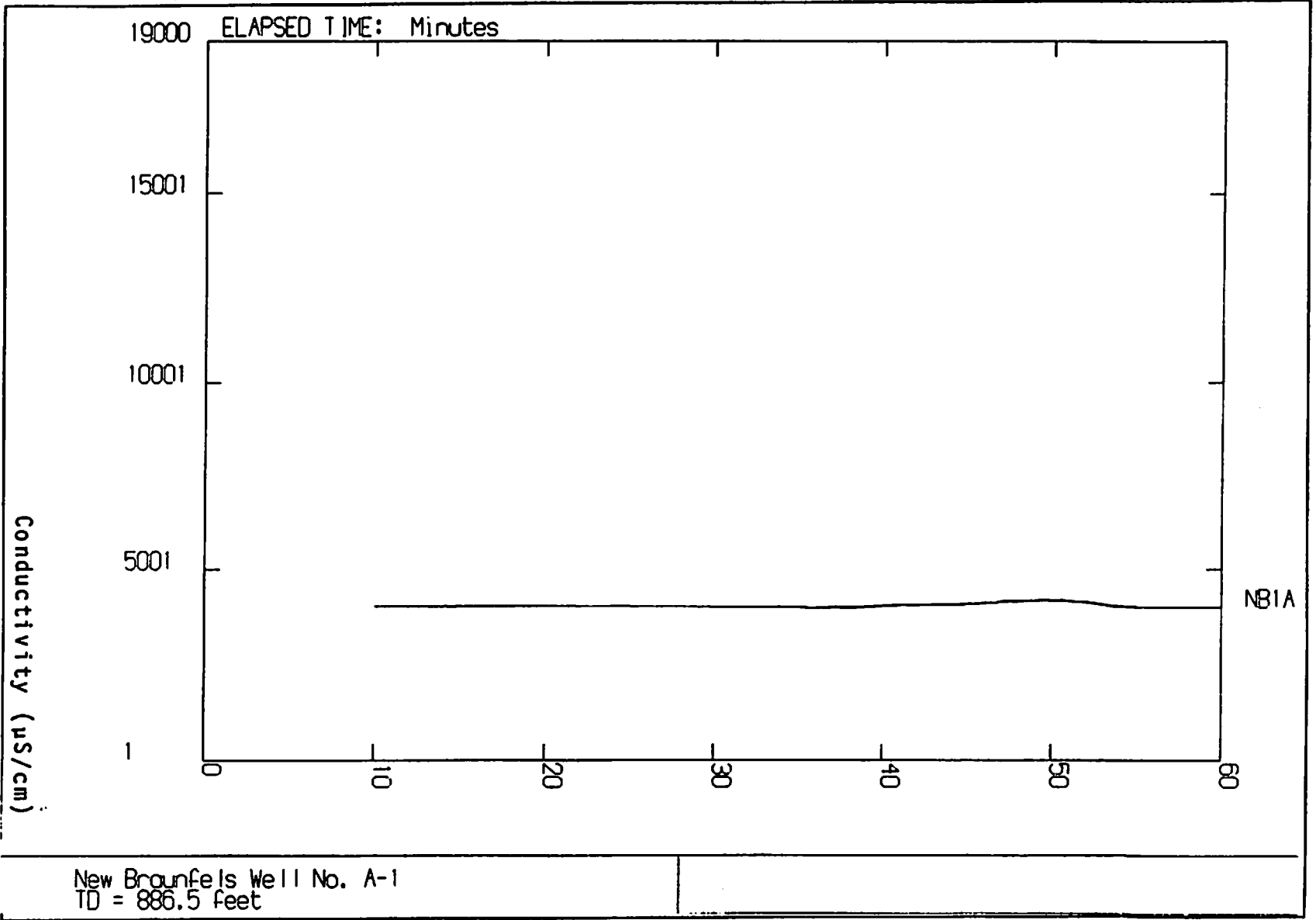


PUMPING TEST ANALYSIS Recovery



New Braunfels Well No. A
TD = 885.5 feet

80-foot Test



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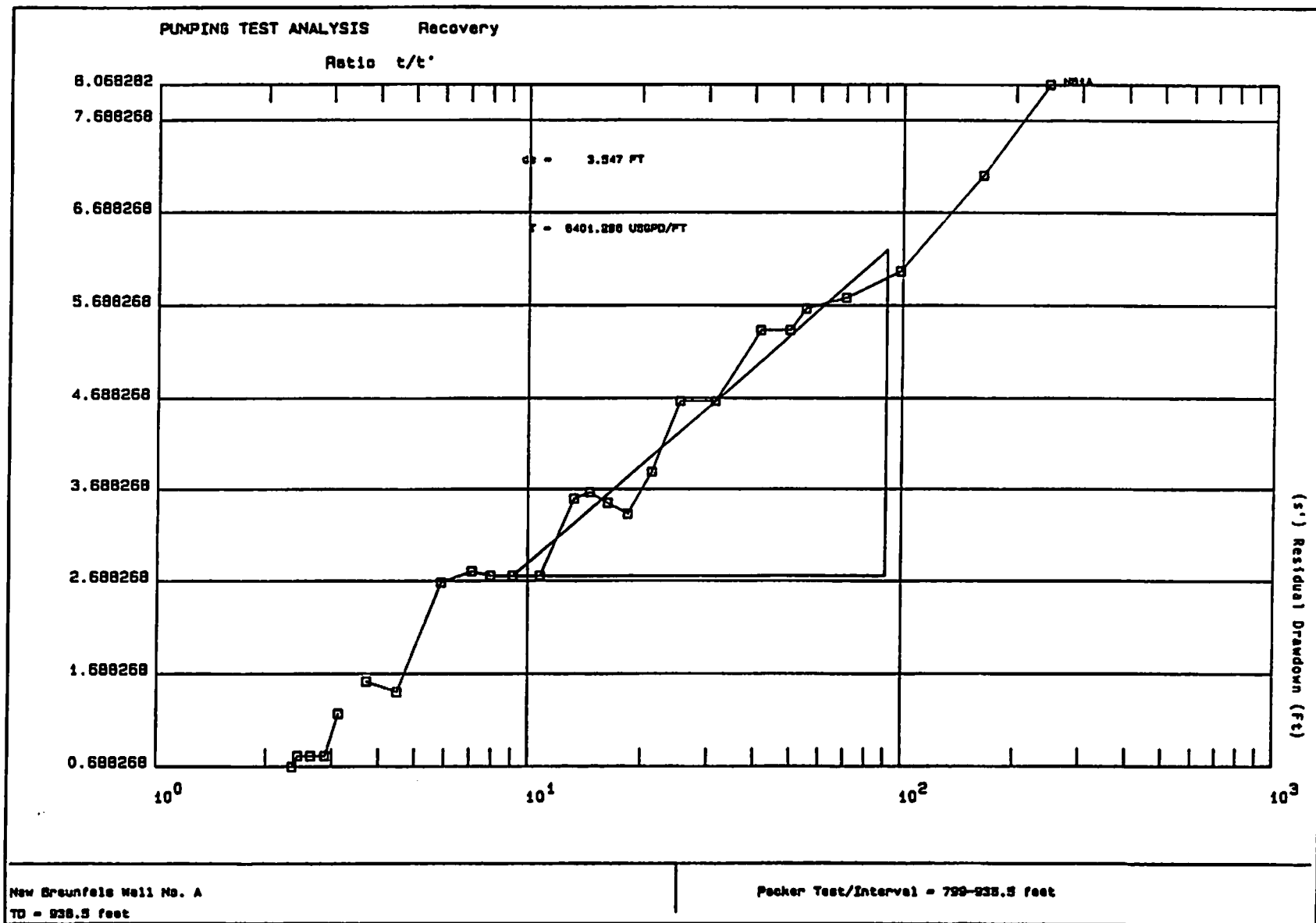
EDWARDS UNDERGROUND WATER DISTRICT

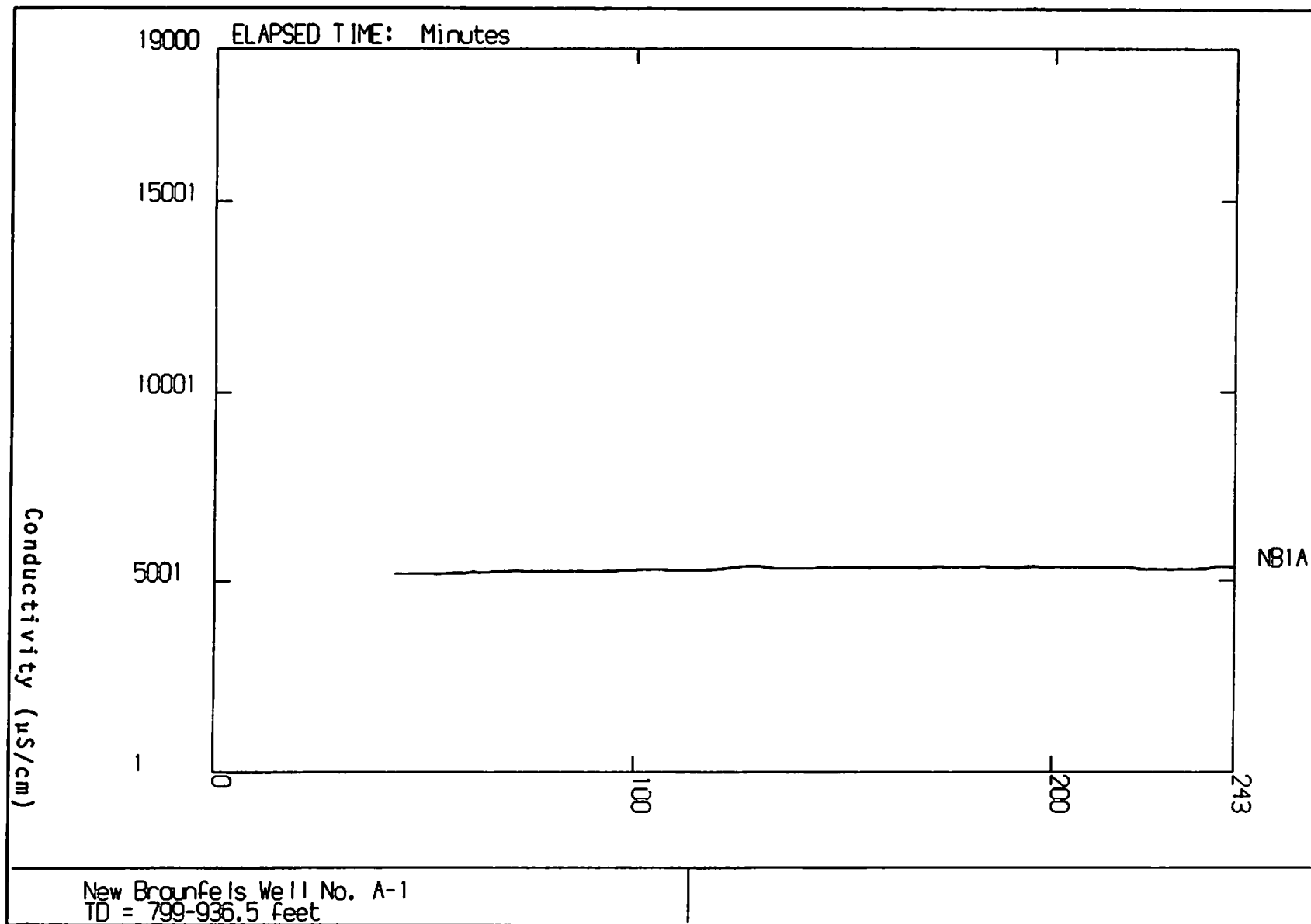
Elapsed Minutes	TIME - Real TV/CO/DO	Pool Mhr/min	WATER LEVEL (Feet below LAS)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/09/19	07:57:00	16.32	
15.00	09/09/19	08:10:00		4442.00
30.00	09/09/19	08:20:00		5044.00
45.00	09/09/19	08:30:00		5135.00
60.00	09/09/19	08:40:00		5195.00
75.00	09/09/19	08:43:00		5200.00
90.00	09/09/19	08:50:00		5200.00
105.00	09/09/19	09:00:00		5224.00
120.00	09/09/19	09:10:00		5270.00
135.00	09/09/19	09:20:00		5295.00
150.00	09/09/19	09:30:00		5260.00
165.00	09/09/19	09:34:00		5312.00
180.00	09/09/19	09:45:00		5294.00
195.00	09/09/19	09:55:00		5294.00
210.00	09/09/19	10:00:00		5294.00
225.00	09/09/19	10:10:00		5294.00
240.00	09/09/19	10:20:00		5322.00
255.00	09/09/19	10:30:00		5340.00
270.00	09/09/19	10:30:00		5350.00
285.00	09/09/19	10:40:00		5350.00
300.00	09/09/19	10:50:00		5362.00
315.00	09/09/19	11:00:00		5362.00
330.00	09/09/19	11:10:00		5368.00
345.00	09/09/19	11:20:00		5375.00
360.00	09/09/19	11:30:00		5370.00
375.00	09/09/19	11:35:00		5370.00
390.00	09/09/19	11:50:00		5390.00
405.00	09/09/19	12:00:00		5377.00
420.00	09/09/19	12:01:00	24.04	
435.00	09/09/19	12:01:30	24.00	
450.00	09/09/19	12:02:30	23.71	
465.00	09/09/19	12:03:30	22.41	
480.00	09/09/19	12:04:30	22.29	
495.00	09/09/19	12:05:00	22.05	
510.00	09/09/19	12:06:00	22.05	
525.00	09/09/19	12:08:00	21.25	
540.00	09/09/19	12:10:00	21.25	
555.00	09/09/19	12:12:00	20.45	
570.00	09/09/19	12:14:00	19.50	
585.00	09/09/19	12:16:00	20.10	
600.00	09/09/19	12:18:00	20.22	

Page 2

EDWARDS SUBGROUNDED WATER DISTRICT

Elapsed MINUTES	TIME - Real TV/HH/MM hh:mm:ss	WATERLEVEL (Feet below L&D)	CONDUCTIVITY (Microsiemens per Centimeter)
203.00	09/09/19 12:20:00	20.15	
204.00	09/09/19 12:23:00	19.29	
273.00	09/09/19 12:30:00	19.29	
278.00	09/09/19 12:35:00	19.29	
283.00	09/09/19 12:40:00	19.29	
293.00	09/09/19 12:50:00	19.23	
313.00	09/09/19 13:10:00	18.63	
323.00	09/09/19 13:30:00	16.14	
330.00	09/09/19 13:53:00	17.79	
373.00	09/09/19 14:10:00	17.33	
393.00	09/09/19 14:30:00	17.23	
413.00	09/09/19 14:50:00	17.23	
423.00	09/09/19 15:00:00	17.21	





----- TIME LOGS REPORT -----

Page 1

Date **TY/HH/DD hh:mm:ss.s**
09/10/10 10:45:00.0
 Well I.D. **NB01**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/10/10 10:45:00	11.60	382.00
5.00	09/10/10 10:50:00		388.00
10.00	09/10/10 10:55:00	99.72	388.70
15.00	09/10/10 11:00:00	209.68	379.00
20.00	09/10/10 11:05:00	219.30	432.70
25.00	09/10/10 11:10:00	214.74	487.00
30.00	09/10/10 11:15:00	215.70	511.60
35.00	09/10/10 11:20:00	216.30	527.00
40.00	09/10/10 11:25:00	216.33	538.00
45.00	09/10/10 11:30:00	216.00	542.00
50.00	09/10/10 11:35:00	216.30	545.00
55.00	09/10/10 11:40:00	216.00	552.00
60.00	09/10/10 11:45:00	217.25	553.00
65.00	09/10/10 11:50:00	217.35	557.00
70.00	09/10/10 11:55:00	217.35	
75.00	09/10/10 12:00:00	217.40	558.00
80.00	09/10/10 12:05:00	217.40	560.00
85.00	09/10/10 12:10:00	217.48	571.00
90.00	09/10/10 12:15:00	217.80	572.00
95.00	09/10/10 12:20:00	217.40	
100.00	09/10/10 12:25:00	216.80	
105.00	09/10/10 12:30:00	216.70	
110.00	09/10/10 12:35:00	205.61	
115.00	09/10/10 12:40:00	95.92	
120.00	09/10/10 12:45:00	91.60	
125.00	09/10/10 12:50:00	82.33	
130.00	09/10/10 12:55:00	74.30	
135.00	09/10/10 13:00:00	67.63	
140.00	09/10/10 13:05:00	61.87	
145.00	09/10/10 13:10:00	49.22	
150.00	09/10/10 13:15:00	39.69	
155.00	09/10/10 13:20:00	33.76	
160.00	09/10/10 13:25:00	30.21	
165.00	09/10/10 13:30:00	31.73	
170.00	09/10/10 13:35:00	39.91	
175.00	09/10/10 13:40:00	35.71	
180.00	09/10/10 13:45:00	35.95	
185.00	09/10/10 13:50:00	32.87	
190.00	09/10/10 13:55:00	32.23	
195.00	09/10/10 14:00:00	31.00	

----- TIME LOGS REPORT -----

Page 2

Date **TY/HH/DD hh:mm:ss.s**
09/10/10 10:45:00.0
 Well I.D. **NB01**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
235.00	09/10/10 14:00:00	11.34	
240.00	09/10/10 14:05:00	11.10	
245.00	09/10/10 14:10:00	11.10	
250.00	09/10/10 14:15:00	10.77	
255.00	09/10/10 14:20:00	10.64	
260.00	09/10/10 14:25:00	10.37	
265.00	09/10/10 14:30:00	10.33	

----- TIME LOGS REPORT -----

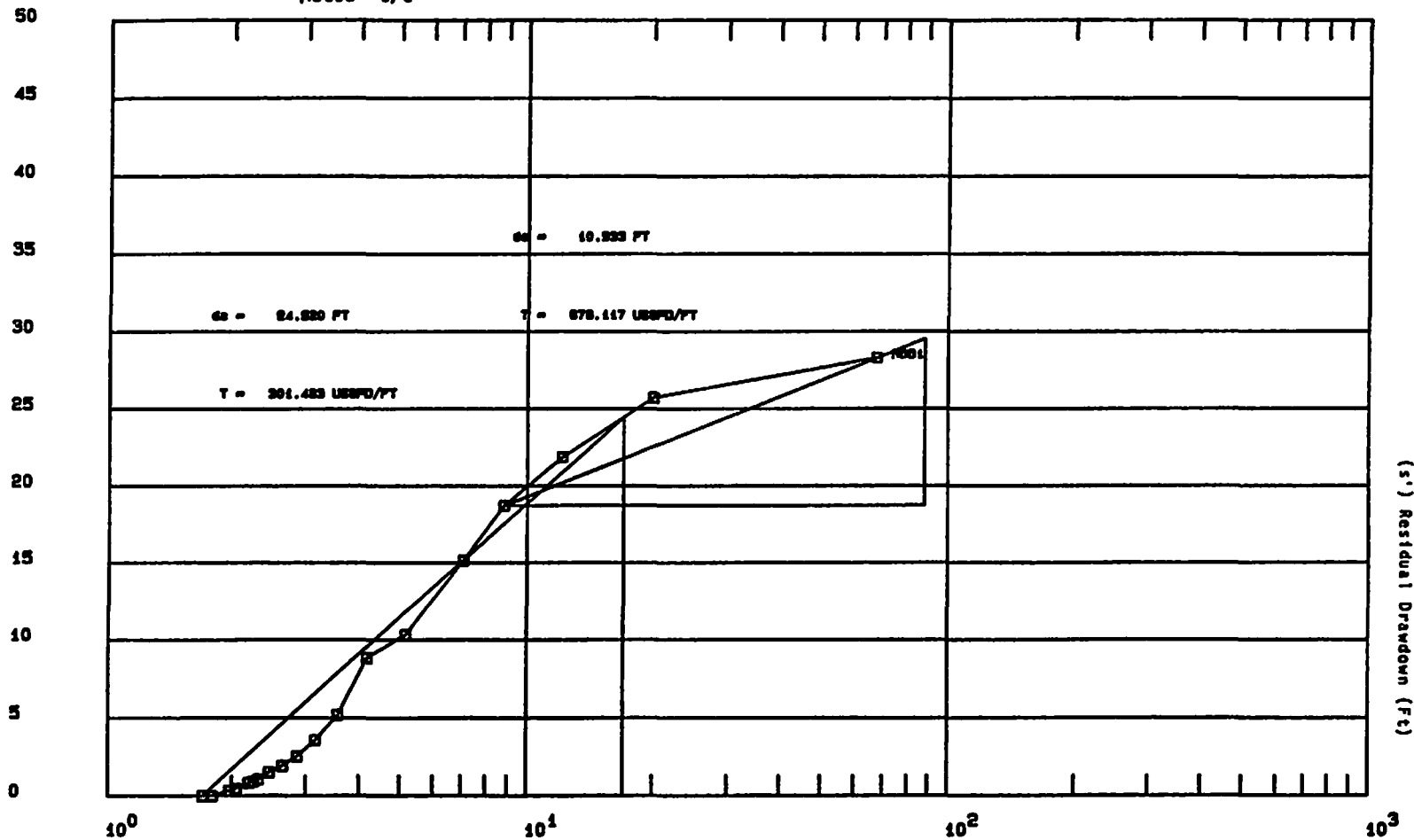
Page 3

Date **TY/HH/DD hh:mm:ss.s**
09/10/10 10:45:00.0
 Well I.D. **NB01**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/10/10 10:45:00	24.60
5.00	09/10/10 10:50:00	24.00
10.00	09/10/10 10:55:00	24.10
15.00	09/10/10 11:00:00	24.10
20.00	09/10/10 11:05:00	24.30
25.00	09/10/10 11:10:00	24.30
30.00	09/10/10 11:15:00	24.40
35.00	09/10/10 11:20:00	24.40
40.00	09/10/10 11:25:00	24.30
45.00	09/10/10 11:30:00	24.30
50.00	09/10/10 11:35:00	24.30
55.00	09/10/10 11:40:00	24.60
60.00	09/10/10 11:45:00	24.60
65.00	09/10/10 11:50:00	24.60
70.00	09/10/10 11:55:00	24.60
75.00	09/10/10 12:00:00	24.90
80.00	09/10/10 12:05:00	25.00
85.00	09/10/10 12:10:00	24.90
90.00	09/10/10 12:15:00	25.00

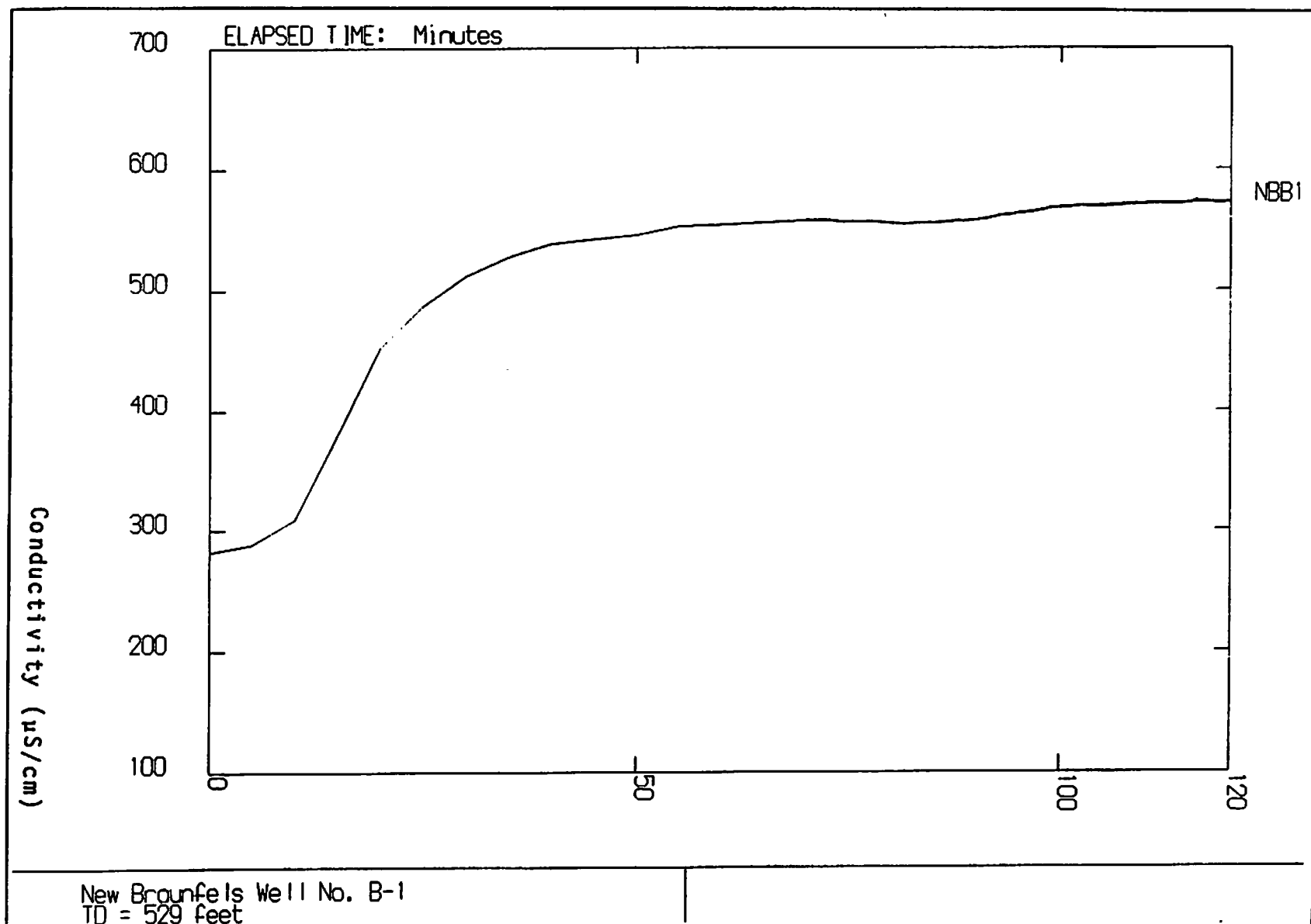
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



New Braunfels Well No. 2-1
TD = 529.7 feet

50-foot Test



TIME LOGS REPORT Page 1

Date **TY/HH/DD hh:mm:ss.s**
09/10/11 07:25:00.0
 Well I.D. **NB01**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/10/11 07:25:00	21.44	
1.00	09/10/11 07:26:00	26.50	
2.00	09/10/11 07:27:00	27.42	
3.00	09/10/11 07:28:00	29.58	
4.00	09/10/11 07:29:00	46.57	
5.00	09/10/11 07:30:00	49.00	
7.00	09/10/11 07:32:00	51.62	
9.00	09/10/11 07:34:00	55.38	
10.00	09/10/11 07:35:00		488.00
11.00	09/10/11 07:36:00	56.98	
13.00	09/10/11 07:38:00	37.80	
15.00	09/10/11 07:40:00	38.23	
20.00	09/10/11 07:45:00	39.20	525.00
23.00	09/10/11 07:50:00	60.38	
30.00	09/10/11 07:53:00	61.30	537.00
35.00	09/10/11 08:00:00	61.43	
40.00	09/10/11 08:05:00		540.00
45.00	09/10/11 08:10:00	63.32	542.00
50.00	09/10/11 08:15:00		543.00
55.00	09/10/11 08:20:00	63.44	543.00
65.00	09/10/11 08:30:00	63.70	544.00
80.00	09/10/11 08:45:00		551.00
130.00	09/10/11 09:35:00	13.00	
145.00	09/10/11 09:50:00	13.15	
146.00	09/10/11 09:51:00	20.35	
147.00	09/10/11 09:52:00	29.70	
148.00	09/10/11 09:53:00	41.01	
149.00	09/10/11 09:54:00	46.72	
150.00	09/10/11 09:55:00	51.40	537.00
152.00	09/10/11 09:57:00	55.78	
154.00	09/10/11 09:59:00	58.72	
155.00	09/10/11 10:00:00		538.00
156.00	09/10/11 10:01:00	59.74	
158.00	09/10/11 10:03:00	60.50	
160.00	09/10/11 10:05:00	61.05	
163.00	09/10/11 10:10:00	61.65	544.00
170.00	09/10/11 10:15:00	62.30	
175.00	09/10/11 10:20:00	62.75	544.00
183.00	09/10/11 10:30:00	63.32	547.00
195.00	09/10/11 10:40:00	63.50	549.00

TIME LOGS REPORT Page 2

Date **TY/HH/DD hh:mm:ss.s**
09/10/11 07:25:00.0
 Well I.D. **NB01**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
205.00	09/10/11 10:50:00	63.90	547.00
215.00	09/10/11 11:00:00	64.10	550.00
230.00	09/10/11 11:15:00	64.15	545.00
245.00	09/10/11 11:30:00	64.25	546.00
260.00	09/10/11 11:45:00	64.52	548.00
275.00	09/10/11 12:00:00	64.53	548.00
285.00	09/10/11 12:09:00	27.78	
285.00	09/10/11 12:10:00	26.80	
286.00	09/10/11 12:11:00	25.32	
287.00	09/10/11 12:12:00	24.30	
289.00	09/10/11 12:13:00		
289.00	09/10/11 12:14:00	23.22	
290.00	09/10/11 12:15:00	21.92	
291.00	09/10/11 12:16:00	20.92	
294.75	09/10/11 12:19:45	17.47	
306.00	09/10/11 12:31:00	21.22	
307.00	09/10/11 12:32:00	21.20	
309.00	09/10/11 12:33:00	40.70	
309.00	09/10/11 12:34:00	46.45	
310.00	09/10/11 12:35:00	50.34	
311.00	09/10/11 12:36:00	52.70	
313.00	09/10/11 12:38:00	56.50	
315.00	09/10/11 12:40:00	58.30	547.00
320.00	09/10/11 12:45:00	59.72	
325.00	09/10/11 12:50:00	60.20	546.00
330.00	09/10/11 12:55:00	60.74	
335.00	09/10/11 13:00:00	61.11	546.00
345.00	09/10/11 13:10:00	61.62	
350.00	09/10/11 13:15:00		547.00
355.00	09/10/11 13:20:00	61.78	
365.00	09/10/11 13:30:00	62.00	548.00
369.00	09/10/11 13:45:00	63.16	
385.00	09/10/11 13:50:00		549.00
395.00	09/10/11 14:00:00	62.37	550.00
410.00	09/10/11 14:15:00	62.43	
420.00	09/10/11 14:25:00	66.24	
425.00	09/10/11 14:30:00	62.48	550.00
426.00	09/10/11 14:31:00	62.49	
427.00	09/10/11 14:32:00	64.60	
428.00	09/10/11 14:33:00	61.45	

TIME LOGS REPORT Page 3

Date **TY/HH/DD hh:mm:ss.s**
09/10/11 07:25:00.0
 Well I.D. **NB01**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
429.00	09/10/11 14:34:00	38.31	
430.00	09/10/11 14:35:00	23.08	
432.00	09/10/11 14:37:00	22.40	
434.00	09/10/11 14:39:00	24.70	
434.00	09/10/11 14:41:00	22.48	
436.00	09/10/11 14:43:00	21.30	
440.00	09/10/11 14:45:00	20.60	
445.00	09/10/11 14:50:00	19.30	
450.00	09/10/11 14:55:00	18.80	
455.00	09/10/11 15:00:00	17.53	
465.00	09/10/11 15:10:00	16.60	
475.00	09/10/11 15:20:00	15.75	
485.00	09/10/11 15:30:00	14.74	
495.00	09/10/11 15:40:00	14.72	
505.00	09/10/11 15:50:00	14.65	
515.00	09/10/11 16:00:00	12.80	
525.00	09/10/11 16:10:00	12.01	
531.00	09/10/11 16:14:00	13.78	
535.00	09/10/11 16:20:00	13.60	
545.00	09/10/11 16:30:00	13.37	

TIME LOGS REPORT Page 4

Date **TY/HH/DD hh:mm:ss.s**
09/10/11 07:25:00.0
 Well I.D. **NB01**

EDWARDS UNDERGROUND WATER DISTRICT

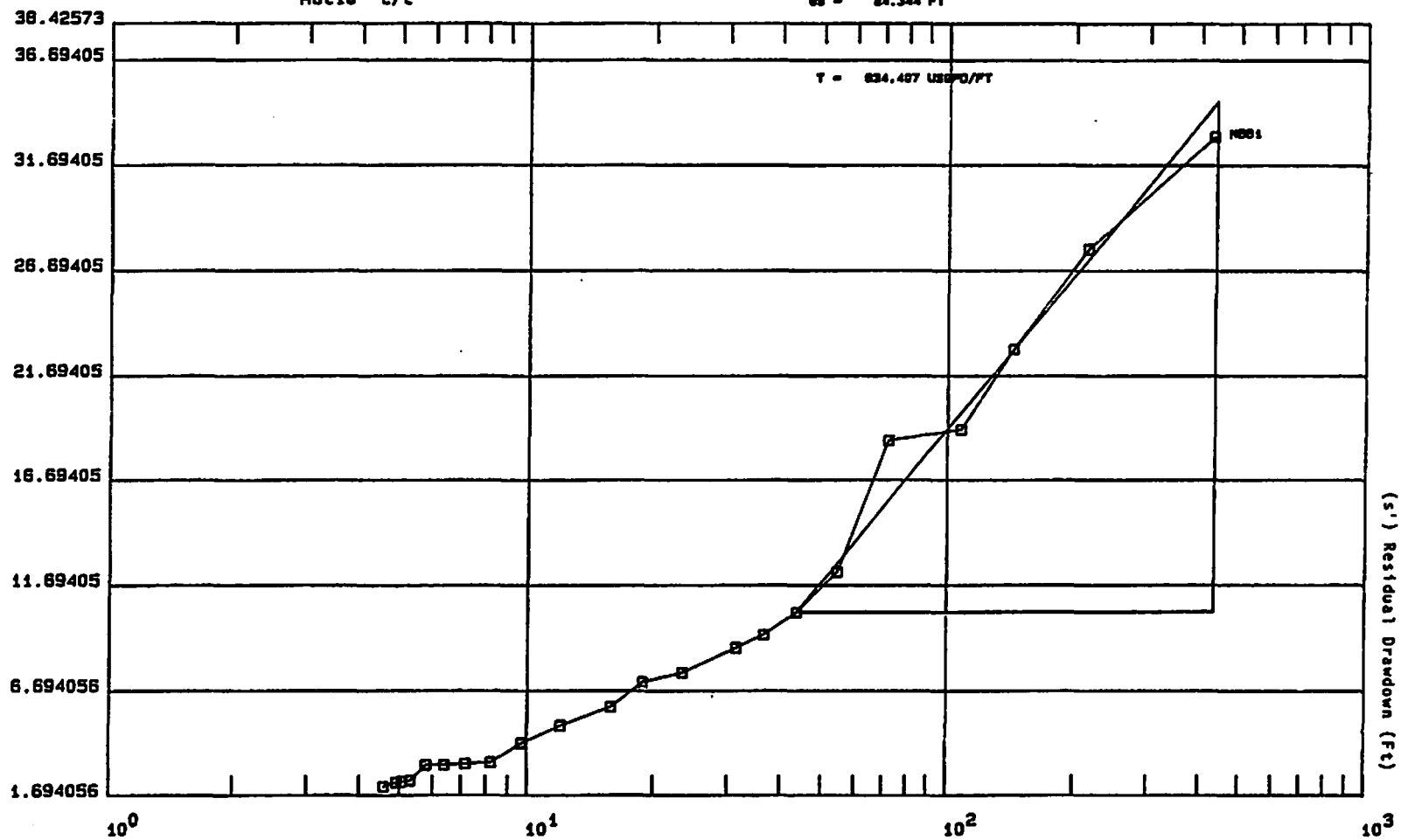
Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/10/11 07:25:00	
10.00	09/10/11 07:35:00	25.00
20.00	09/10/11 07:45:00	25.00
30.00	09/10/11 07:55:00	25.00
40.00	09/10/11 08:05:00	25.00
45.00	09/10/11 08:10:00	25.00
50.00	09/10/11 08:15:00	25.10
55.00	09/10/11 08:20:00	25.10
65.00	09/10/11 08:30:00	25.10
80.00	09/10/11 08:45:00	25.10
150.00	09/10/11 09:55:00	25.40
155.00	09/10/11 10:00:00	25.30
165.00	09/10/11 10:10:00	25.30
175.00	09/10/11 10:20:00	25.20
185.00	09/10/11 10:30:00	25.30
195.00	09/10/11 10:40:00	25.30
205.00	09/10/11 10:50:00	25.30
215.00	09/10/11 11:00:00	25.40
230.00	09/10/11 11:15:00	25.40
245.00	09/10/11 11:30:00	25.40
260.00	09/10/11 11:45:00	25.40
275.00	09/10/11 12:00:00	25.40
315.00	09/10/11 12:40:00	25.40
325.00	09/10/11 12:50:00	25.40
335.00	09/10/11 13:00:00	25.40
350.00	09/10/11 13:15:00	25.40
365.00	09/10/11 13:30:00	25.40
385.00	09/10/11 13:50:00	25.40
395.00	09/10/11 14:00:00	25.40
410.00	09/10/11 14:15:00	25.40
425.00	09/10/11 14:30:00	25.20

PUMPING TEST ANALYSIS Recovery

Ratio t/t'

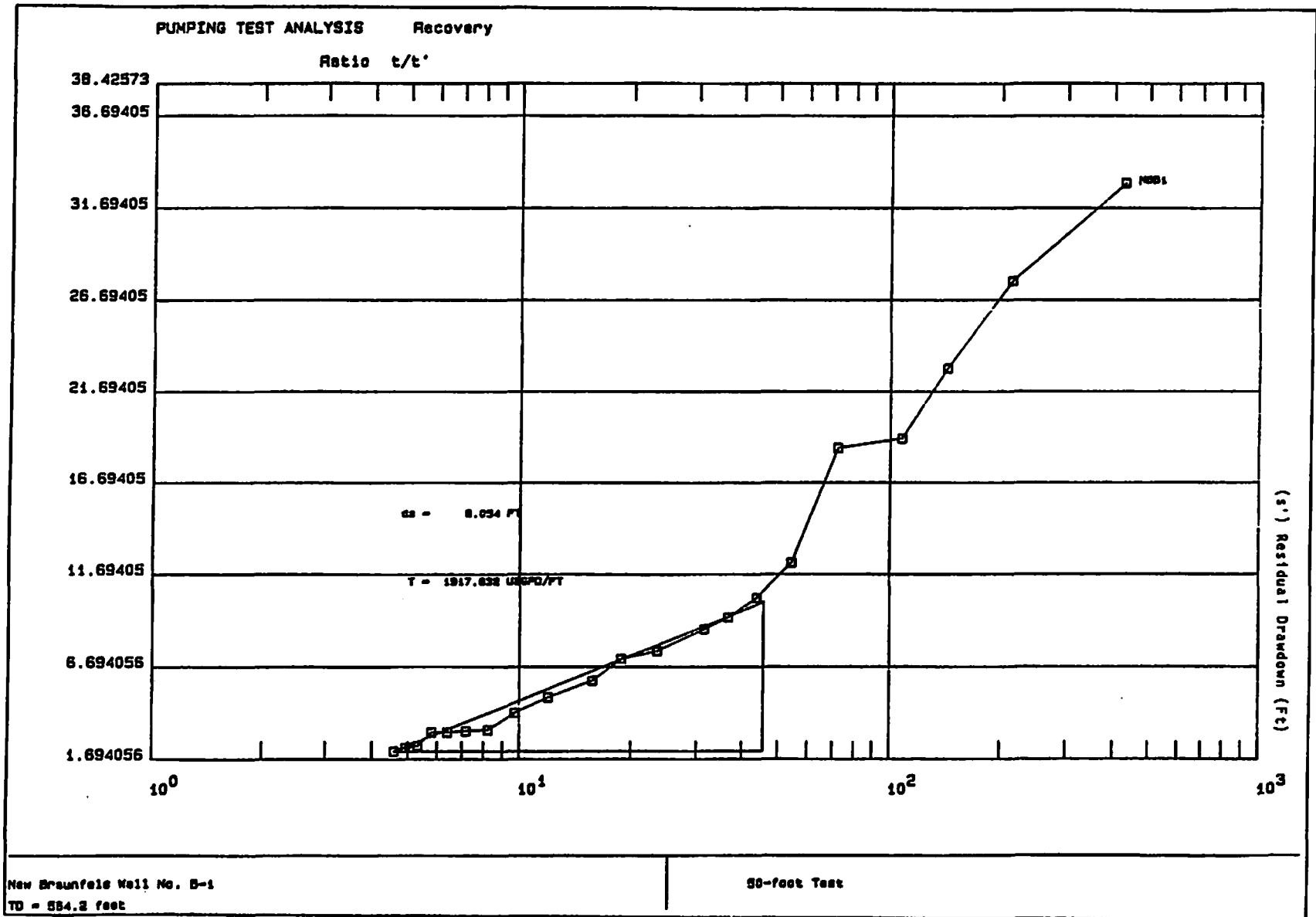
68 - 84.344 FT

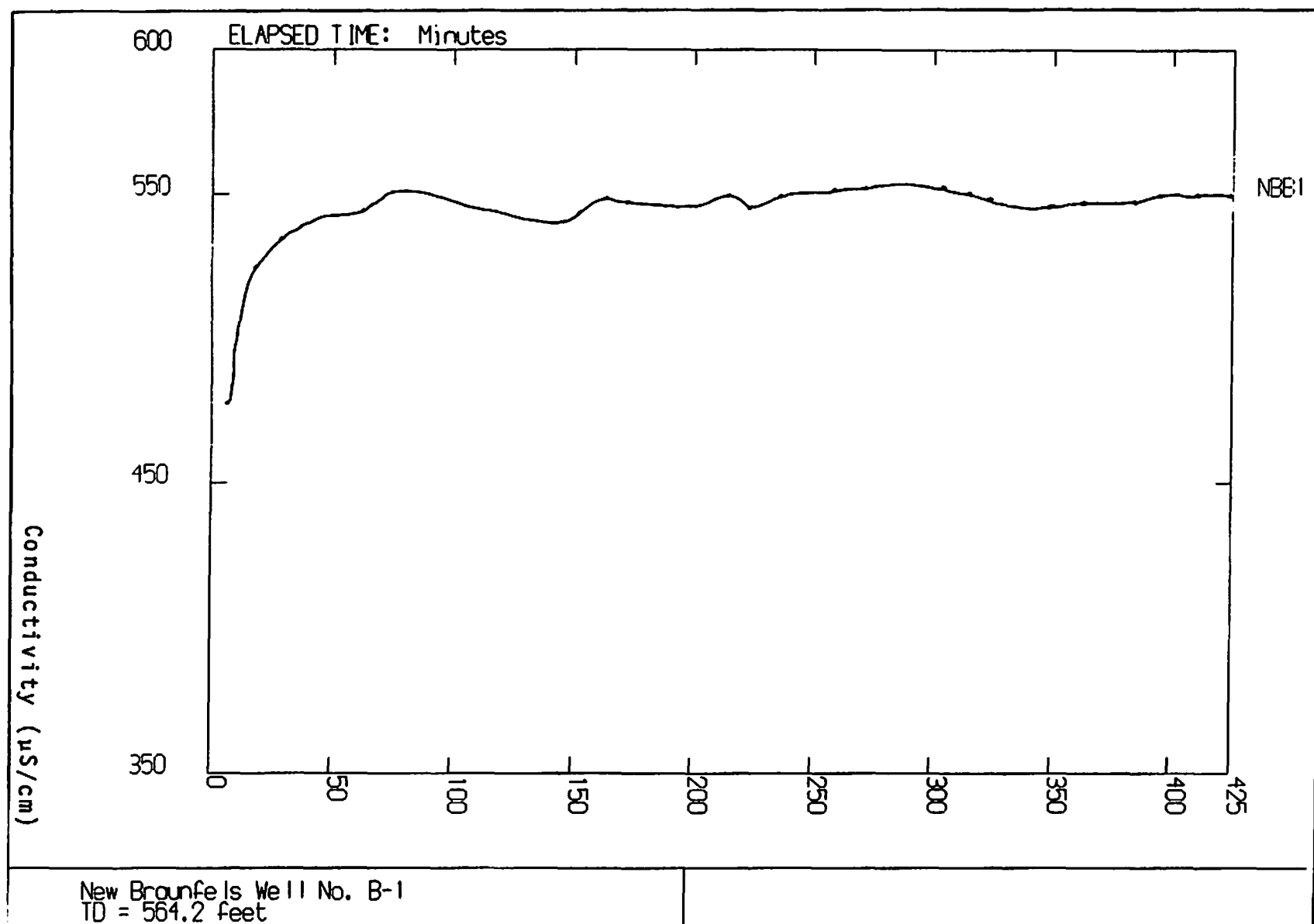
$T = 834.457 \text{ USGPD/FT}$



New Braunfels Well No. B-1
TD = 584.2 feet

88-foot Test

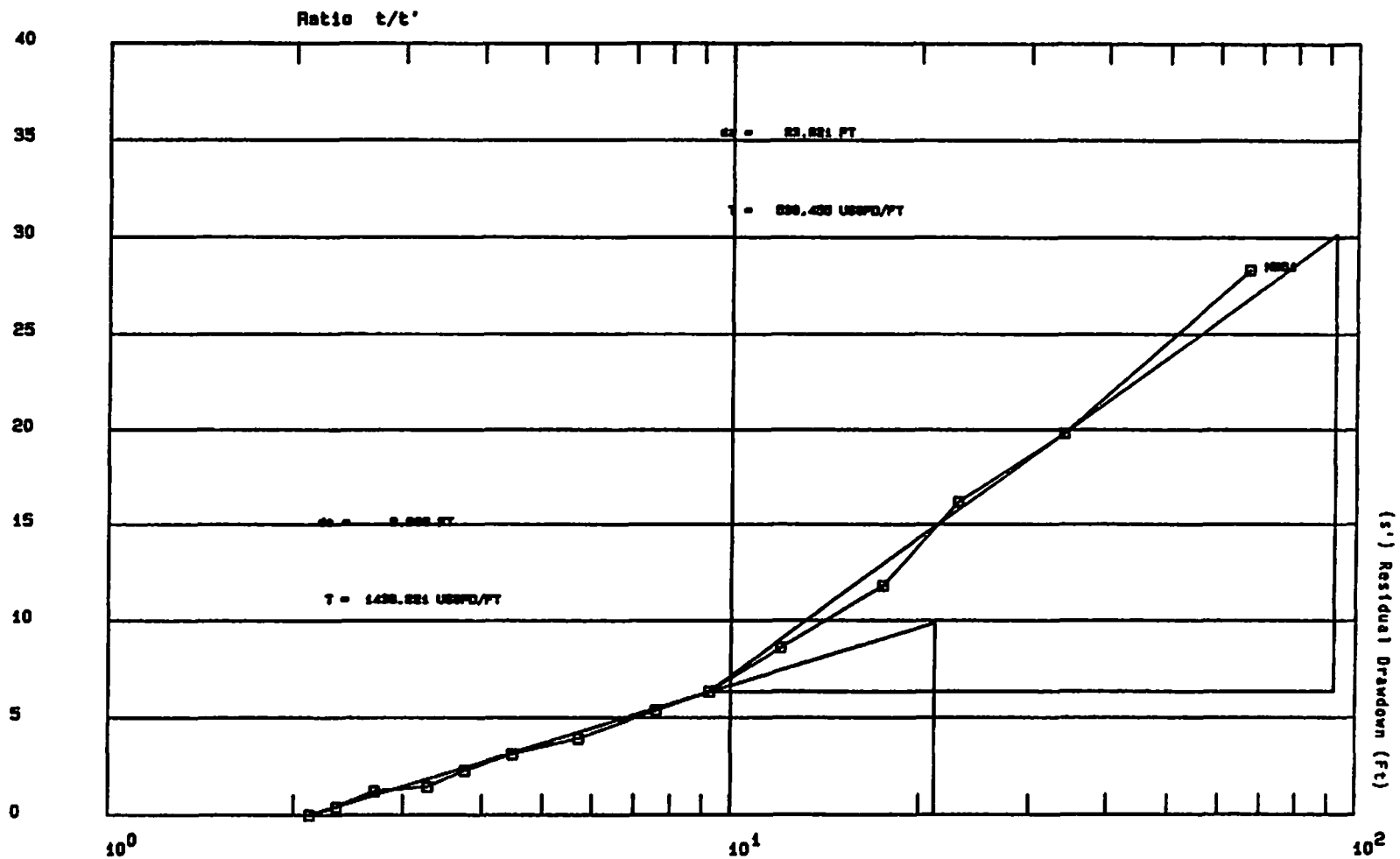




TIME LOGS REPORT				Page 1
TY/HH/DD hh:mm:ss.s Date 09/10/12 00:45:00.0 Well I.D. R301 EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LED)	CONDUCTIVITY (Microsiemens per Centimeter)	
0.00	09/10/12 00:45:00	13.03		
5.00	09/10/12 00:50:00	22.29	660.00	
10.00	09/10/12 00:55:00	22.20		
15.00	09/10/12 01:00:00	22.92	669.00	
20.00	09/10/12 01:05:00	23.40	669.00	
25.00	09/10/12 01:10:00	23.53	667.00	
30.00	09/10/12 01:15:00	23.80	668.00	
35.00	09/10/12 01:20:00	24.10	665.00	
40.00	09/10/12 01:25:00	24.13	660.00	
45.00	09/10/12 01:30:00	27.17		
50.00	09/10/12 01:35:00	45.12		
55.00	09/10/12 01:40:00	34.71		
60.00	09/10/12 01:45:00	30.30		
65.00	09/10/12 01:50:00	25.62		
70.00	09/10/12 01:55:00	22.15		
75.00	09/10/12 02:00:00	19.80		
80.00	09/10/12 02:05:00	18.77		
85.00	09/10/12 02:10:00	17.20		
90.00	09/10/12 02:15:00	16.46		
95.00	09/10/12 02:20:00	15.63		
100.00	09/10/12 02:25:00	14.70		
105.00	09/10/12 02:30:00	14.55		
110.00	09/10/12 02:35:00	13.72		
115.00	09/10/12 02:40:00	13.30		
120.00	09/10/12 02:45:00			

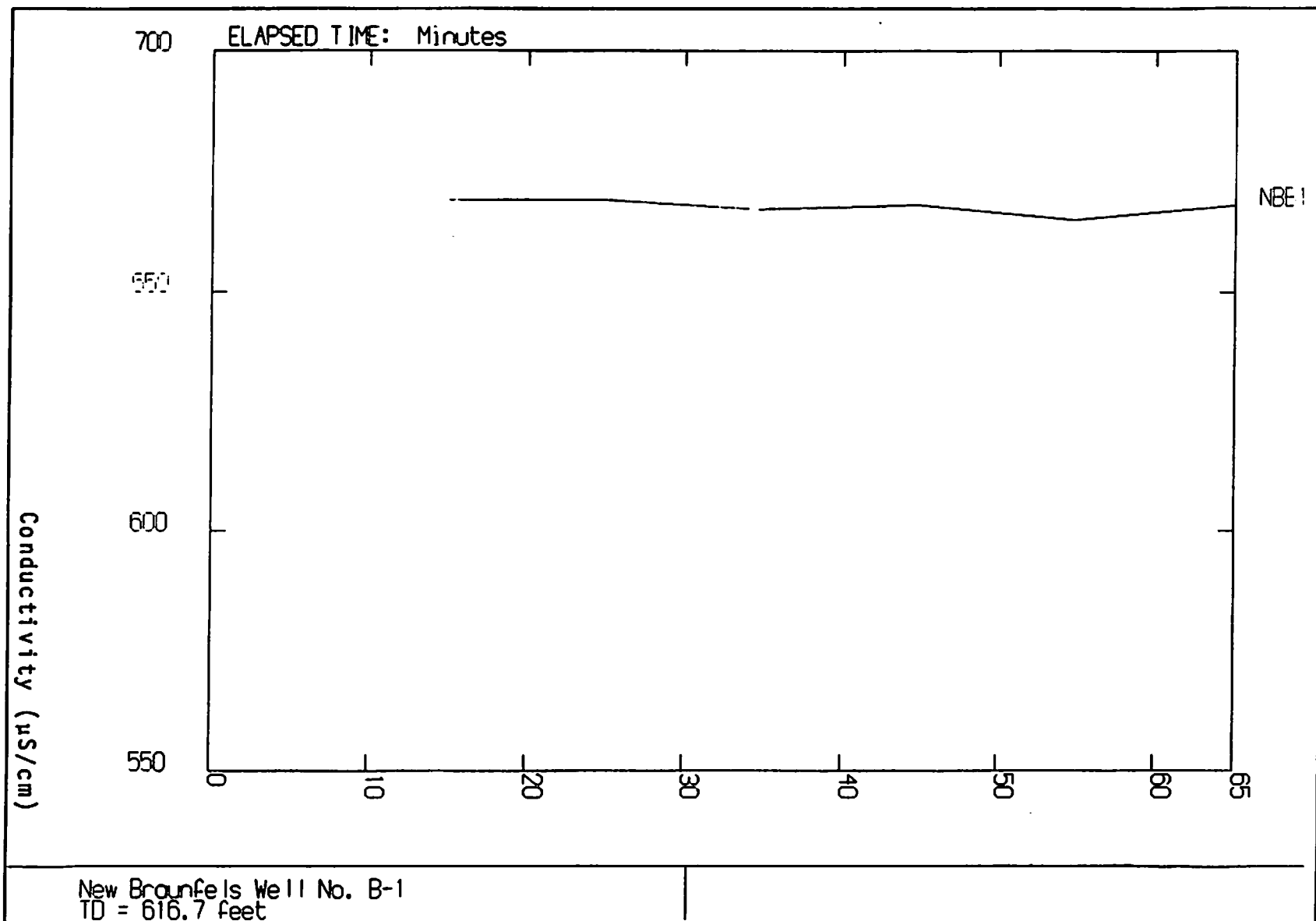
TIME LOGS REPORT				Page 2
TY/HH/DD hh:mm:ss.s Date 09/10/12 00:45:00.0 Well I.D. R301 EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)		
0.00	09/10/12 00:45:00			
5.00	09/10/12 00:50:00	25.30		
10.00	09/10/12 00:55:00	25.30		
15.00	09/10/12 01:00:00	25.30		
20.00	09/10/12 01:05:00	25.30		
25.00	09/10/12 01:10:00	25.30		
30.00	09/10/12 01:15:00	25.30		
35.00	09/10/12 01:20:00	25.30		
40.00	09/10/12 01:25:00	25.30		
45.00	09/10/12 01:30:00	25.30		
50.00	09/10/12 01:35:00	25.30		
55.00	09/10/12 01:40:00	25.30		
60.00	09/10/12 01:45:00	25.30		

PUMPING TEST ANALYSIS Recovery



New Braunfels Well No. B-1
 TD = 818.7 feet

80-foot Test



Date **YY/KK/DD hh:mm:ss**
Well I.D. **09/10/14 09:10:00.0**
WSD1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed Minutes	TIME - Real TIME/DO Minutes	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/10/14 09:10:00	10.34	
10.00	09/10/14 09:20:00		710.70
20.00	09/10/14 09:30:00		811.00
30.00	09/10/14 09:40:00		1075.00
40.00	09/10/14 09:50:00		1095.00
50.00	09/10/14 10:00:00		1115.00
60.00	09/10/14 10:10:00		1115.00
70.00	09/10/14 10:20:00		1115.00
80.00	09/10/14 10:30:00		1115.00
90.00	09/10/14 10:40:00		1115.00
100.00	09/10/14 10:50:00		1115.00
110.00	09/10/14 11:00:00		1115.00
120.00	09/10/14 11:10:00		1115.00
130.00	09/10/14 11:20:00		1115.00
140.00	09/10/14 11:30:00		1116.00
150.00	09/10/14 11:40:00		1116.00
160.00	09/10/14 11:50:00		1116.00
170.00	09/10/14 12:00:00		1112.00
180.00	09/10/14 12:10:00		1112.00
190.00	09/10/14 12:20:00		1116.00
200.00	09/10/14 12:30:00		1116.00
210.00	09/10/14 12:40:00		1100.00
220.00	09/10/14 12:50:00		1116.00
230.00	09/10/14 13:00:00		1116.00
240.00	09/10/14 13:10:00		1116.00
250.00	09/10/14 13:20:00		1115.00
260.00	09/10/14 13:30:00	44.18	
270.00	09/10/14 13:40:00	25.63	
280.00	09/10/14 13:50:00	26.50	
290.00	09/10/14 14:00:00	22.93	
300.00	09/10/14 14:10:00	21.43	
310.00	09/10/14 14:20:00	21.08	
320.00	09/10/14 14:30:00	19.81	
330.00	09/10/14 14:40:00	19.58	
340.00	09/10/14 14:50:00	16.77	
350.00	09/10/14 15:00:00	16.08	
360.00	09/10/14 15:10:00	17.61	
370.00	09/10/14 15:20:00	17.30	
380.00	09/10/14 15:30:00	17.04	
390.00	09/10/14 15:40:00	16.92	

Page 2

TY/WM/DD hhr:mm:ss.s
Date 09/10/14 09:10:00.0
Well F.D. 8801

EDWARDS UNDERGROUND WATER DISTRICT

SLALOPED HEIGHTS	TIME - Sec TY/HR/DO Minutes	TEMPERATURE (Degree Celsius)
0.00	09/10/14 09:10:00	
10.00	09/10/14 09:20:00	35.30
20.00	09/10/14 09:30:00	35.30
30.00	09/10/14 09:40:00	35.30
40.00	09/10/14 09:50:00	35.30
50.00	09/10/14 10:00:00	35.30
60.00	09/10/14 10:10:00	35.30
70.00	09/10/14 10:20:00	35.40
80.00	09/10/14 10:30:00	35.40
90.00	09/10/14 10:40:00	35.40
100.00	09/10/14 10:50:00	35.40
110.00	09/10/14 11:00:00	35.40
120.00	09/10/14 11:10:00	35.40
130.00	09/10/14 11:20:00	35.40
140.00	09/10/14 11:30:00	35.40
150.00	09/10/14 11:40:00	35.40
160.00	09/10/14 11:50:00	35.40
170.00	09/10/14 12:00:00	35.40
180.00	09/10/14 12:10:00	35.40
190.00	09/10/14 12:20:00	35.40
200.00	09/10/14 12:30:00	35.40
210.00	09/10/14 12:40:00	35.30
220.00	09/10/14 12:50:00	35.30
230.00	09/10/14 13:00:00	35.30
240.00	09/10/14 13:10:00	35.30
245.00	09/10/14 13:15:00	35.30

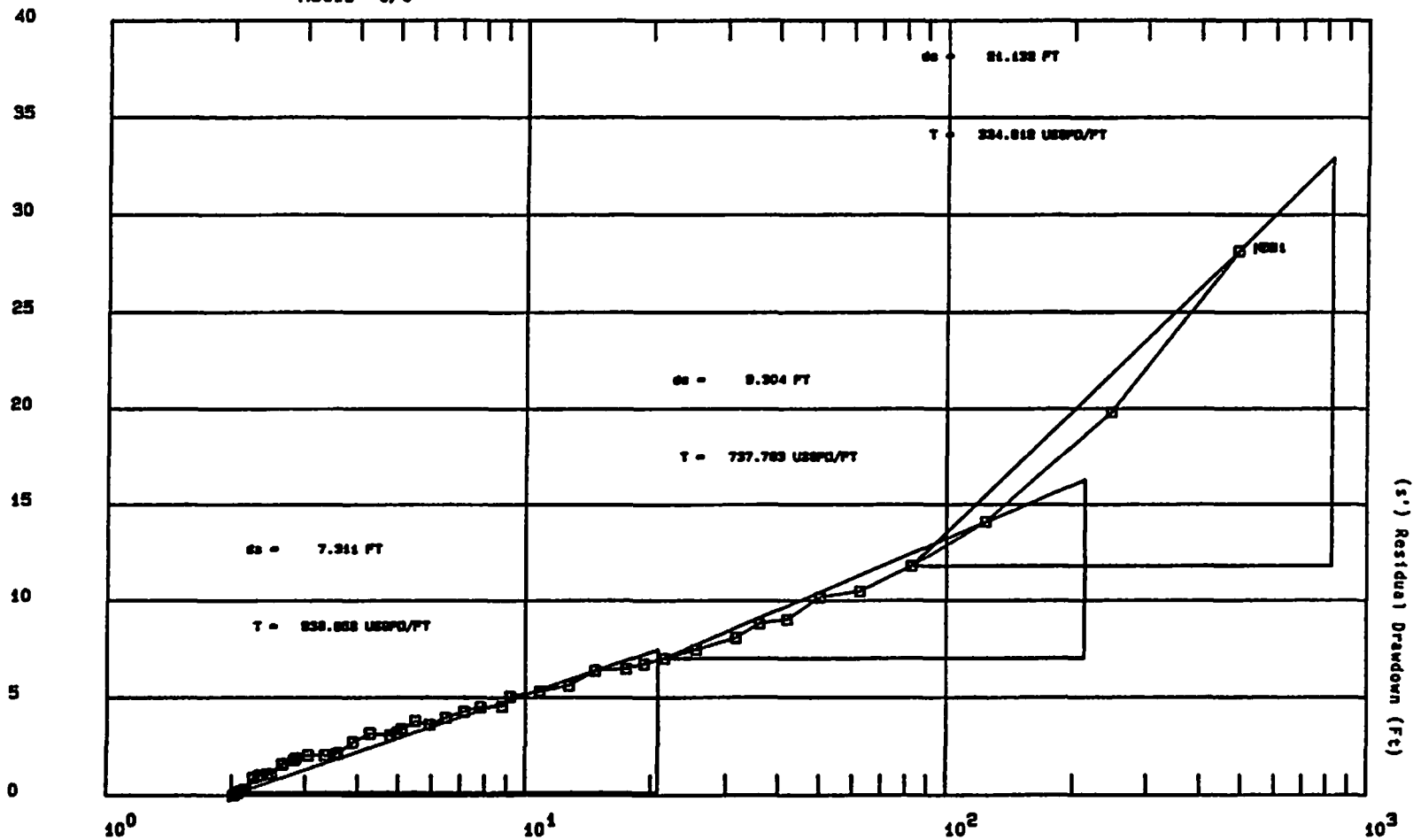
Page 3

TT/MM/DD hh:mm:ss.0
Date 09/10/10 09:10:00.0
Bell T.D. KAMI

EDWARDS UNDERGROUND WATER DISTRICT

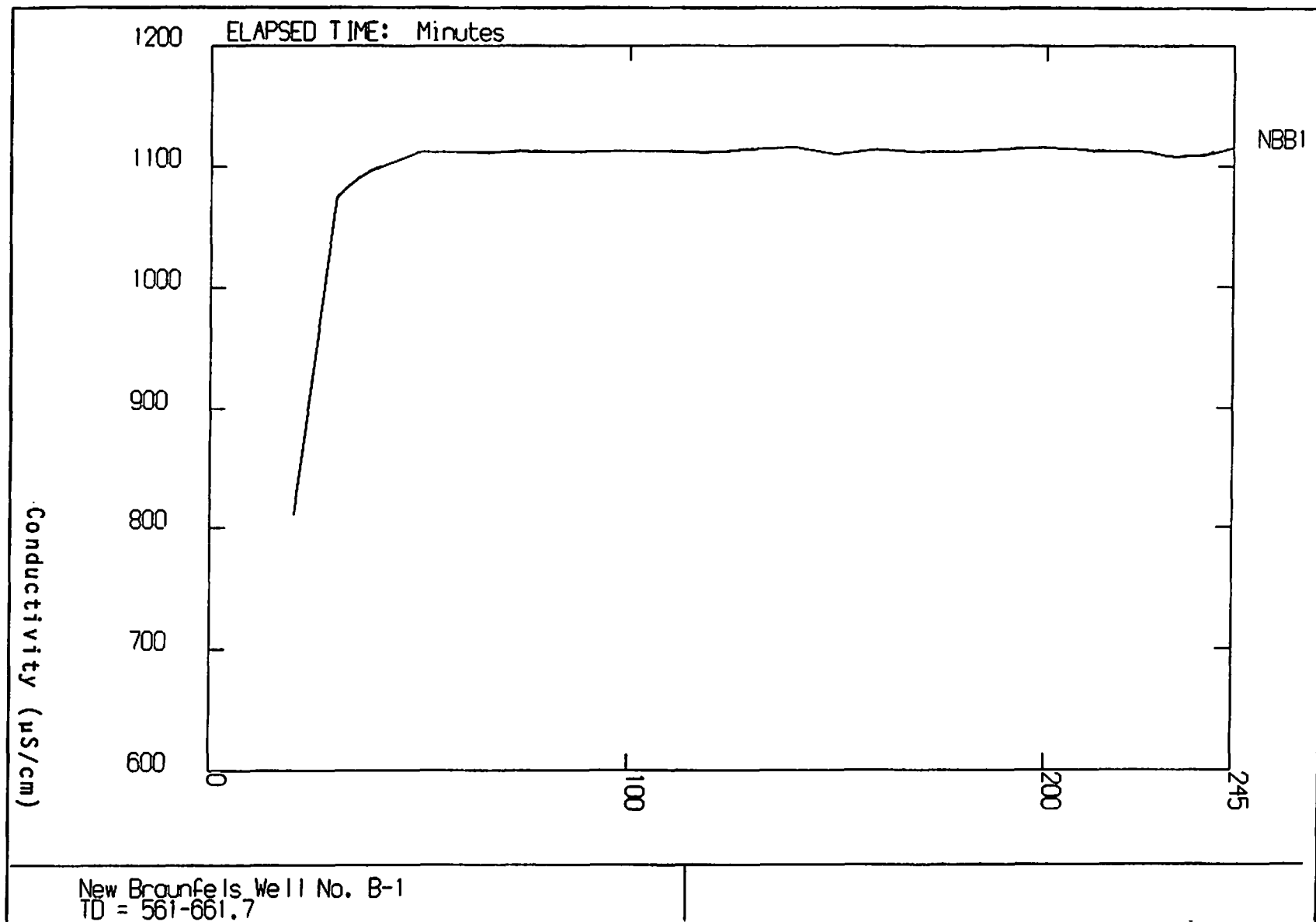
Elapsed Minutes	TIME - Real TIME/Sec Minutes	WATER LEVEL (Feet below LSD)	CONDUCTIVITY microsiemens per Centimeter
266.00	09/10/14 13:26:00	16.12	
270.00	09/10/14 13:40:00	15.77	
275.00	09/10/14 13:45:00	15.34	
276.00	09/10/14 13:46:30	15.00	
281.00	09/10/14 13:51:00	14.96	
285.00	09/10/14 13:55:00	14.72	
290.00	09/10/14 14:00:00	14.38	
295.00	09/10/14 14:05:00	14.03	
300.00	09/10/14 14:10:00	13.25	
305.00	09/10/14 14:15:00	13.68	
307.00	09/10/14 14:17:00	13.60	
310.00	09/10/14 14:20:00	13.46	
315.00	09/10/14 14:30:00	12.97	
319.00	09/10/14 14:40:00	12.11	
320.00	09/10/14 14:40:00	12.32	
323.00	09/10/14 14:52:00	12.45	
330.00	09/10/14 15:00:00	12.42	
343.00	09/10/14 15:15:00	12.42	
370.00	09/10/14 15:38:00	12.40	
375.00	09/10/14 15:39:00	12.22	
380.00	09/10/14 15:30:00	12.18	
394.00	09/10/14 15:44:00	12.00	
395.00	09/10/14 15:45:00	12.15	
415.00	09/10/14 16:00:00	11.49	
415.00	09/10/14 16:05:00	11.45	
425.00	09/10/14 16:15:00	11.47	
429.00	09/10/14 16:20:00	11.39	
440.00	09/10/14 16:30:00	11.26	
445.00	09/10/14 16:45:00	10.68	
460.00	09/10/14 16:50:00	10.64	
465.00	09/10/14 16:55:00	10.60	
470.00	09/10/14 17:00:00	10.57	
474.00	09/10/14 17:05:00	10.59	
483.00	09/10/14 17:15:00	10.40	
484.00	09/10/14 17:14:00	10.38	
493.00	09/10/14 17:25:00	10.34	

PUMPING TEST ANALYSIS Recovery

Ratio t/t' 

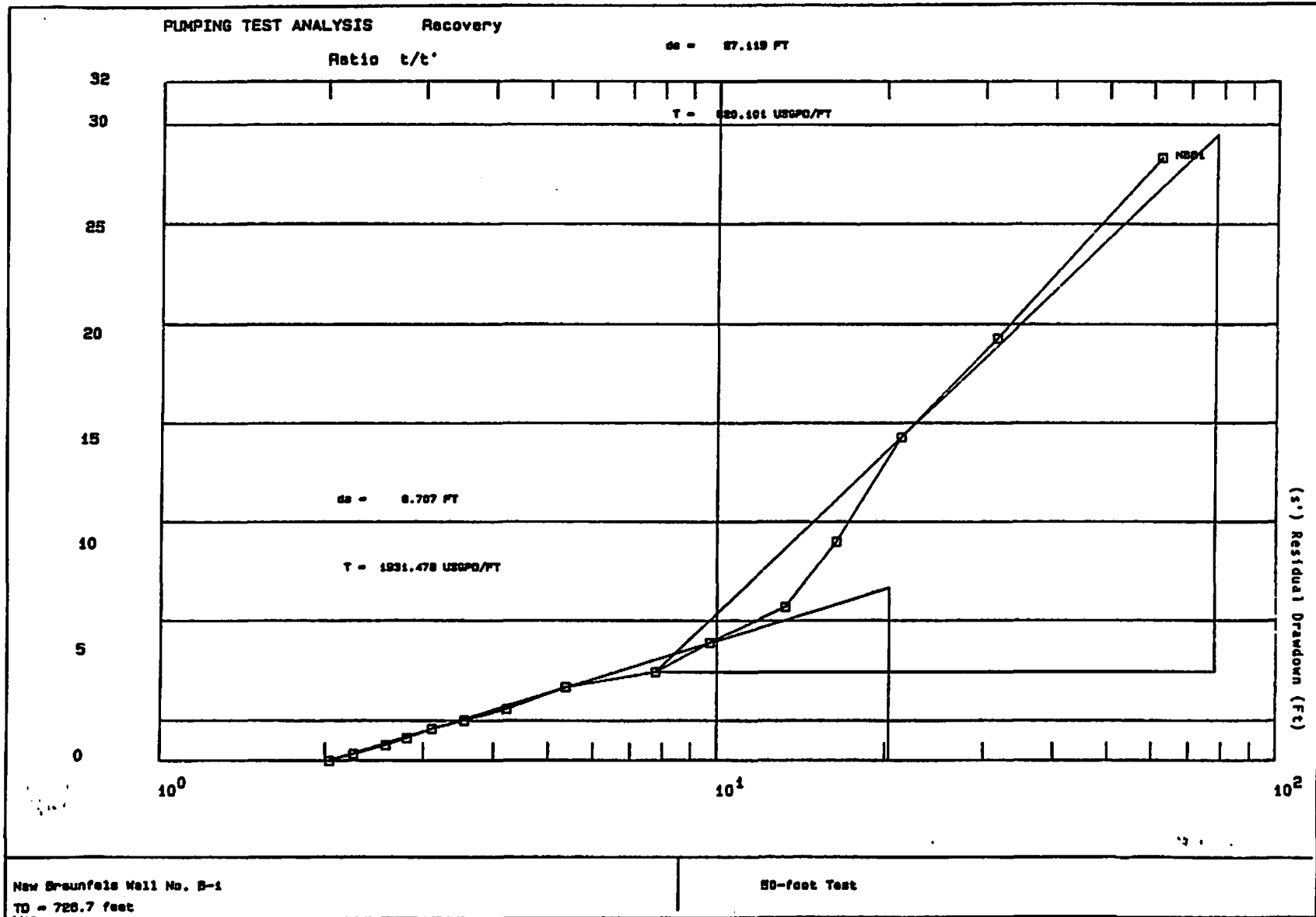
New Braunfels Well No. B-1
TD = 681.7 feet

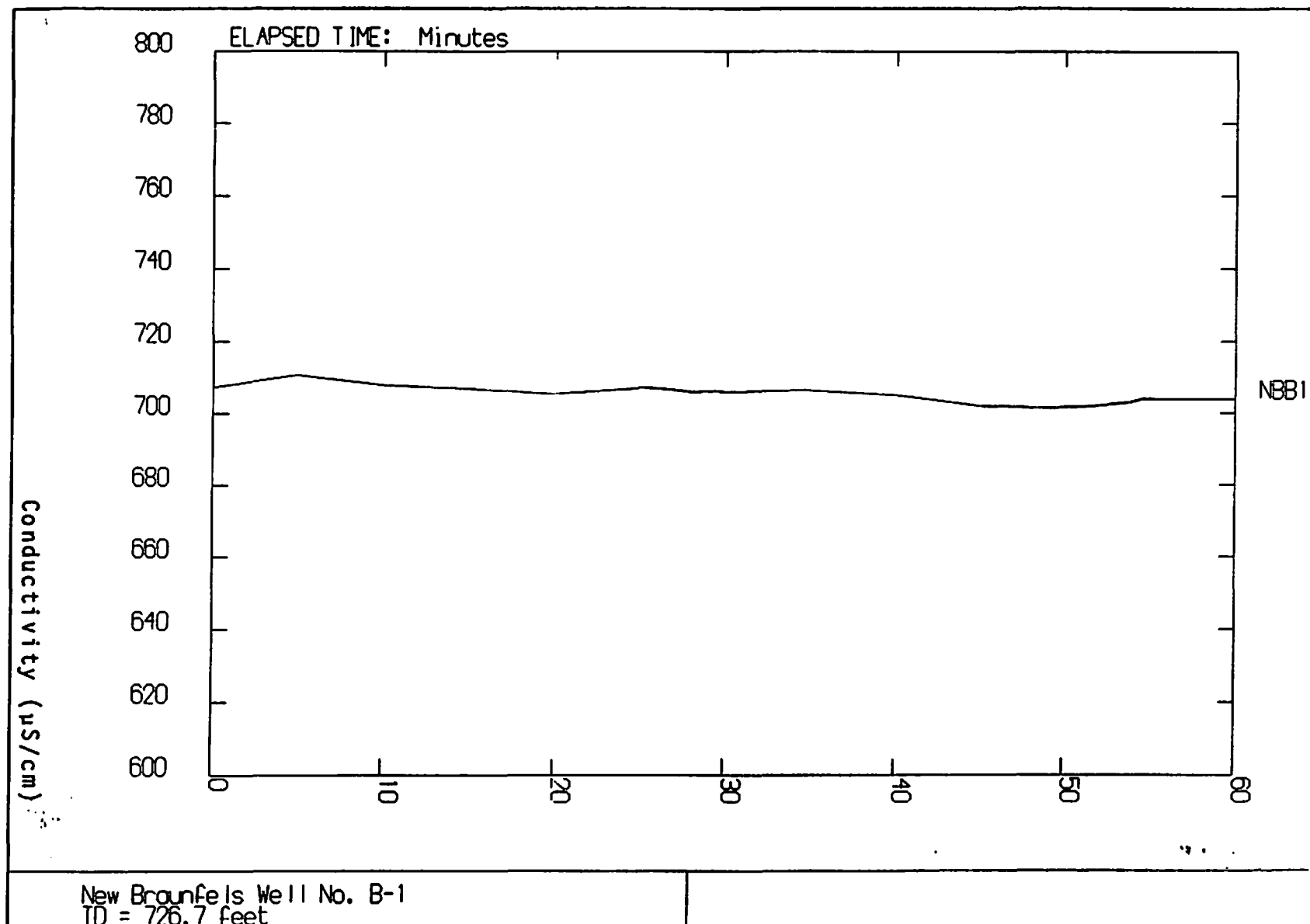
Packer Test/Interval = 561-681.7 feet



TIME LOGS REPORT				Page 1
Date <u>09/10/16 15:00:00.0</u> Well I.D. <u>0001</u> EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)	
0.00	09/10/16 15:00:00	12.07	707.20	
5.00	09/10/16 15:05:00		710.00	
10.00	09/10/16 15:10:00	43.77	708.00	
15.00	09/10/16 15:15:00		707.00	
20.00	09/10/16 15:20:00	43.96	705.40	
25.00	09/10/16 15:25:00		707.00	
30.00	09/10/16 15:30:00	44.13	706.00	
35.00	09/10/16 15:35:00		706.40	
40.00	09/10/16 15:40:00	44.27	705.20	
45.00	09/10/16 15:45:00		702.20	
50.00	09/10/16 15:50:00	44.33	703.20	
55.00	09/10/16 15:55:00		703.00	
60.00	09/10/16 16:00:00	45.46	704.00	
65.00	09/10/16 16:05:00			
70.00	09/10/16 16:10:00	31.70		
75.00	09/10/16 16:15:00	27.03		
80.00	09/10/16 16:20:00	22.06		
85.00	09/10/16 16:25:00	19.07		
90.00	09/10/16 16:30:00	17.40		
95.00	09/10/16 16:35:00	16.05		
100.00	09/10/16 16:40:00			
105.00	09/10/16 16:45:00	15.40		
110.00	09/10/16 16:50:00	14.29		
115.00	09/10/16 16:55:00	13.00		
120.00	09/10/16 17:00:00	13.32		
125.00	09/10/16 17:05:00	12.06		
130.00	09/10/16 17:10:00	12.77		
135.00	09/10/16 17:15:00	12.30		
140.00	09/10/16 17:20:00	12.07		

TIME LOGS REPORT				Page 2
Date <u>09/10/16 15:00:00.0</u> Well I.D. <u>0001</u> EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)		
0.00	09/10/16 15:00:00	25.70		
5.00	09/10/16 15:05:00	25.70		
10.00	09/10/16 15:10:00	25.70		
15.00	09/10/16 15:15:00	25.70		
20.00	09/10/16 15:20:00	25.70		
25.00	09/10/16 15:25:00	25.70		
30.00	09/10/16 15:30:00	25.60		
35.00	09/10/16 15:35:00	25.70		
40.00	09/10/16 15:40:00	25.70		
45.00	09/10/16 15:45:00	25.70		
50.00	09/10/16 15:50:00	25.70		
55.00	09/10/16 15:55:00	25.70		
60.00	09/10/16 16:00:00	25.70		





TIME LOGS REPORT

Page 1

TY/KH/DD hh:mm:ss.s

09/10/17 15:50:00.0

Date

09/10/17 15:50:00.0

Well I.D.

HB01

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real	WATERLEVEL	CONDUCTIVITY
MINUTES TY/KH/DD hh:mm:ss	(Foot below LSL)	(Microsiemens per Centimeter)
0.00 09/10/17 15:50:00	10.34	
7.00 09/10/17 16:05:00		560.50
12.00 09/10/17 16:10:00		560.40
17.00 09/10/17 16:15:00	07.49	
22.00 09/10/17 16:20:00		562.00
27.00 09/10/17 16:25:00	07.49	564.60
32.00 09/10/17 16:30:00		563.60
37.00 09/10/17 16:35:00	07.74	
42.00 09/10/17 16:40:00		564.20
47.00 09/10/17 16:45:00	07.79	562.40
52.00 09/10/17 16:50:00		
57.00 09/10/17 16:55:00		
62.00 09/10/17 17:00:00		
67.00 09/10/17 17:05:00	07.03	564.60
72.00 09/10/17 17:10:00		
77.00 09/10/17 17:15:00	07.60	564.30
82.00 09/10/17 17:20:00		564.00
87.00 09/10/17 17:25:00	07.95	
92.00 09/10/17 17:30:00		565.00
97.00 09/10/17 17:35:00	07.99	565.40
102.00 09/10/17 17:40:00		562.50
107.00 09/10/17 17:45:00	08.04	562.00
112.00 09/10/17 17:50:00	08.06	561.30
117.00 09/10/17 17:55:00		
122.00 09/10/17 18:00:00	08.09	563.00
127.00 09/10/17 18:05:00	08.04	563.20
132.00 09/10/17 18:10:00	08.12	560.20
137.00 09/10/17 18:15:00	08.09	560.40
142.00 09/10/17 18:20:00	08.29	558.00
147.00 09/10/17 18:25:00		
152.00 09/10/17 18:30:00	15.19	
157.00 09/10/17 18:35:00	14.49	
162.00 09/10/17 18:40:00	12.57	
167.00 09/10/17 18:45:00	12.34	
172.00 09/10/17 18:50:00		
177.00 09/10/17 18:55:00	12.08	
182.00 09/10/17 19:00:00	12.63	
187.00 09/10/17 19:05:00	12.42	
192.00 09/10/17 19:10:00	12.19	
197.00 09/10/17 19:15:00	12.19	
202.00 09/10/17 19:20:00	11.95	
207.00 09/10/17 19:25:00	11.99	
212.00 09/10/17 19:30:00	11.72	
217.00 09/10/17 19:35:00	11.03	
222.00 09/10/17 19:40:00	11.03	

TIME LOGS REPORT

Page 3

TY/KH/DD hh:mm:ss.s

09/10/17 15:50:00.0

Date

09/10/17 15:50:00.0

Well I.D.

HB01

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real	TEMPERATURE
MINUTES TY/KH/DD hh:mm:ss	(Degree Celsius)
0.00 09/10/17 15:50:00	
7.00 09/10/17 16:05:00	23.40
12.00 09/10/17 16:10:00	23.60
17.00 09/10/17 16:15:00	23.60
22.00 09/10/17 16:20:00	23.60
27.00 09/10/17 16:25:00	23.70
32.00 09/10/17 16:30:00	23.70
37.00 09/10/17 16:35:00	23.70
42.00 09/10/17 16:40:00	23.70
47.00 09/10/17 16:45:00	23.70
52.00 09/10/17 16:50:00	23.70
57.00 09/10/17 16:55:00	23.70
62.00 09/10/17 17:00:00	23.70
67.00 09/10/17 17:05:00	23.70
72.00 09/10/17 17:10:00	23.70
77.00 09/10/17 17:15:00	23.70
82.00 09/10/17 17:20:00	23.70
87.00 09/10/17 17:25:00	23.70
92.00 09/10/17 17:30:00	23.70
97.00 09/10/17 17:35:00	23.70
102.00 09/10/17 17:40:00	23.70
107.00 09/10/17 17:45:00	23.70
112.00 09/10/17 17:50:00	23.70
117.00 09/10/17 17:55:00	23.70
122.00 09/10/17 18:00:00	23.70
127.00 09/10/17 18:05:00	23.70
132.00 09/10/17 18:10:00	23.70
137.00 09/10/17 18:15:00	23.70
142.00 09/10/17 18:20:00	23.70
147.00 09/10/17 18:25:00	23.70
152.00 09/10/17 18:30:00	23.70
157.00 09/10/17 18:35:00	23.70
162.00 09/10/17 18:40:00	23.70
167.00 09/10/17 18:45:00	23.70
172.00 09/10/17 18:50:00	23.70
177.00 09/10/17 18:55:00	23.70
182.00 09/10/17 19:00:00	23.70
187.00 09/10/17 19:05:00	23.70
192.00 09/10/17 19:10:00	23.70
197.00 09/10/17 19:15:00	23.70
202.00 09/10/17 19:20:00	23.70
207.00 09/10/17 19:25:00	23.70
212.00 09/10/17 19:30:00	23.70
217.00 09/10/17 19:35:00	23.70
222.00 09/10/17 19:40:00	23.70
227.00 09/10/17 19:45:00	23.70
232.00 09/10/17 19:50:00	23.70
237.00 09/10/17 19:55:00	23.70
242.00 09/10/17 20:00:00	23.70

TIME LOGS REPORT

Page 2

TY/KH/DD hh:mm:ss.s

09/10/17 19:50:00.0

Date

09/10/17 19:50:00.0

Well I.D.

HB01

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real	WATERLEVEL	CONDUCTIVITY
MINUTES TY/KH/DD hh:mm:ss	(Foot below LSL)	(Microsiemens per Centimeter)
242.00 09/10/17 20:00:00	11.03	
247.00 09/10/17 20:05:00	10.80	
252.00 09/10/17 20:10:00	11.03	
257.00 09/10/17 20:15:00	11.03	
262.00 09/10/17 20:20:00	11.03	
267.00 09/10/17 20:25:00	10.80	
272.00 09/10/17 20:30:00	10.34	
277.00 09/10/17 20:35:00	10.57	
282.00 09/10/17 20:40:00	10.57	
287.00 09/10/17 20:45:00	10.57	
292.00 09/10/17 20:50:00	10.57	
297.00 09/10/17 20:55:00	10.57	
302.00 09/10/17 21:00:00	10.57	
307.00 09/10/17 21:05:00	10.57	
312.00 09/10/17 21:10:00	10.57	
317.00 09/10/17 21:15:00	10.57	
322.00 09/10/17 21:20:00	10.57	
327.00 09/10/17 21:25:00	10.57	
332.00 09/10/17 21:30:00	10.57	
337.00 09/10/17 21:35:00	10.57	
342.00 09/10/17 21:40:00	10.57	
347.00 09/10/17 21:45:00	10.57	
352.00 09/10/17 21:50:00	10.57	
357.00 09/10/17 21:55:00	10.57	
362.00 09/10/17 22:00:00	10.57	

PUMPING TEST ANALYSIS Recovery

Ratio t/t'

45

40

35

30

25

20

15

10

5

0

10^0

10^1

10^2

10^3

$Q = 23.134 \text{ FT}$

$T = 428.318 \text{ USGPD/FT}$

3.788 FT

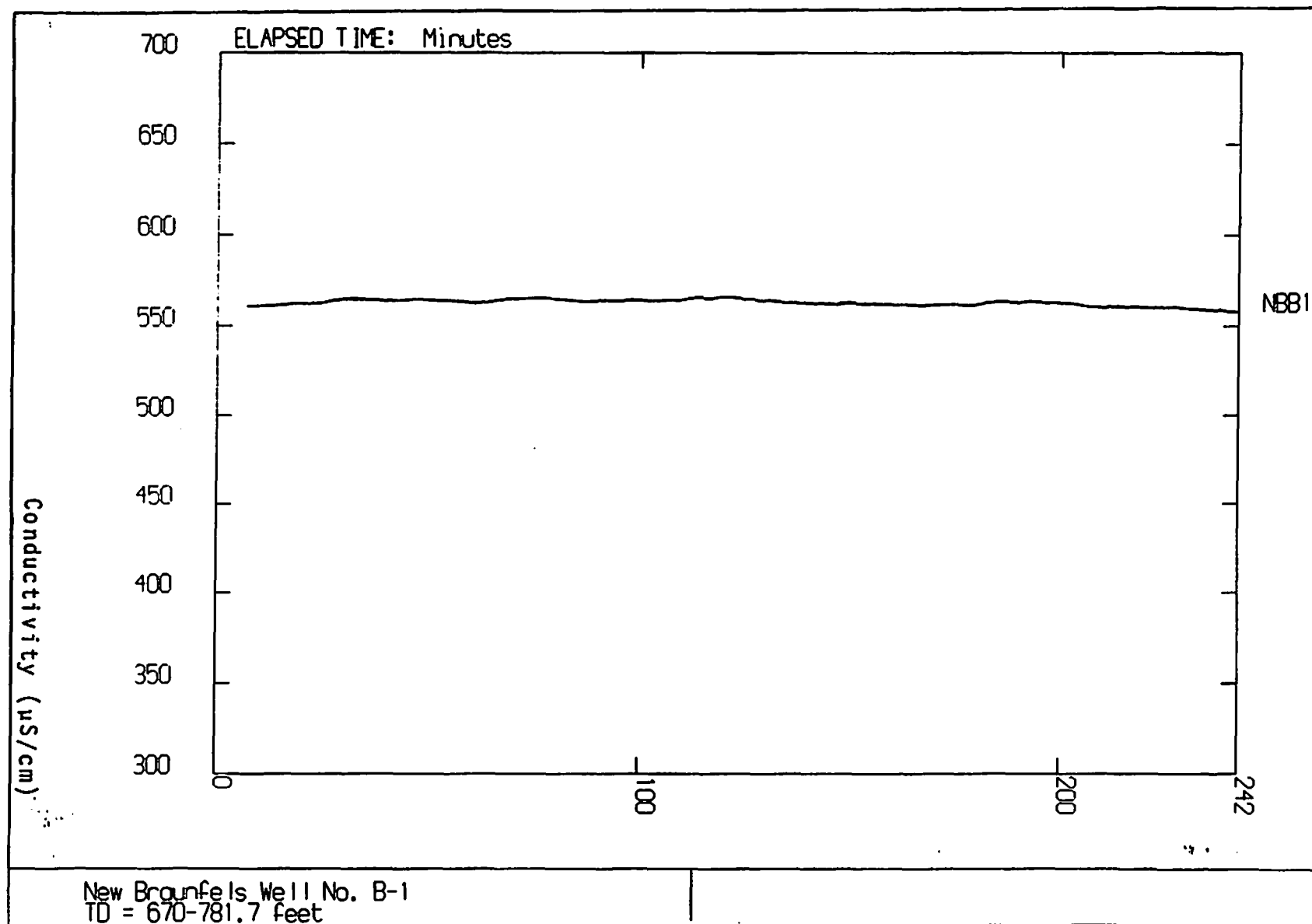
$T = 2708.048 \text{ USGPD/FT}$

(s') Residual Drawdown (Ft)

New Braunfels Well No. B-1

TD = 781.7 feet

Packer Test/Interval = 870-781.7 feet



TIME LOGS REPORT

Page 1

Date 09/10/10 14:00:00.0
Well I.D. 8831

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/10/10 14:00:00	10.46	954.20
5.00	09/10/10 14:05:00		944.60
10.00	09/10/10 14:10:00	22.53	941.60
15.00	09/10/10 14:15:00		953.60
20.00	09/10/10 14:20:00	22.53	947.00
25.00	09/10/10 14:25:00		943.40
30.00	09/10/10 14:30:00	22.53	944.60
35.00	09/10/10 14:35:00		944.60
40.00	09/10/10 14:40:00	22.63	943.00
45.00	09/10/10 14:45:00		947.00
50.00	09/10/10 14:50:00	22.64	972.60
55.00	09/10/10 14:55:00		944.20
60.00	09/10/10 15:00:00	22.60	942.60
70.00	09/10/10 15:10:00		970.00
75.00	09/10/10 15:15:00	19.40	
78.00	09/10/10 15:18:00	19.10	
79.00	09/10/10 15:19:00	15.95	
79.00	09/10/10 15:19:00	15.42	
79.00	09/10/10 15:19:00	15.42	
80.00	09/10/10 15:20:00	15.67	
80.00	09/10/10 15:20:00	11.90	
85.00	09/10/10 15:25:00	11.63	
90.00	09/10/10 15:30:00	11.20	
100.00	09/10/10 15:40:00	11.11	
110.00	09/10/10 15:50:00	10.79	
120.00	09/10/10 16:00:00	10.57	
130.00	09/10/10 16:10:00	10.46	

TIME LOGS REPORT

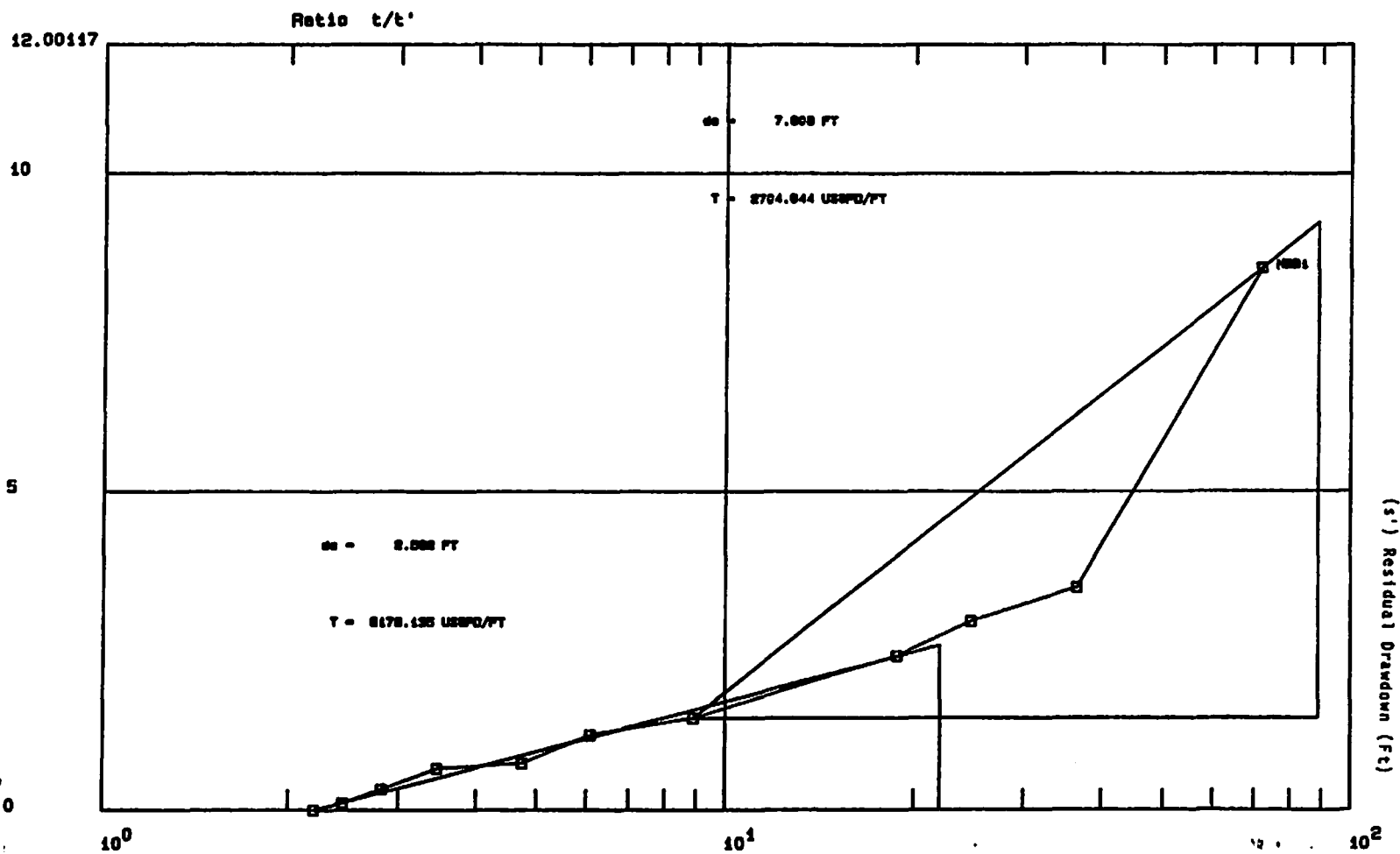
Page 2

Date 09/10/10 14:00:00.0
Well I.D. 8831

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/10/10 14:00:00	25.60
5.00	09/10/10 14:05:00	25.70
10.00	09/10/10 14:10:00	25.80
15.00	09/10/10 14:15:00	25.70
20.00	09/10/10 14:20:00	25.70
25.00	09/10/10 14:25:00	25.70
30.00	09/10/10 14:30:00	25.70
35.00	09/10/10 14:35:00	25.60
40.00	09/10/10 14:40:00	25.70
45.00	09/10/10 14:45:00	25.70
50.00	09/10/10 14:50:00	25.70
55.00	09/10/10 14:55:00	25.70
60.00	09/10/10 15:00:00	25.60
70.00	09/10/10 15:10:00	25.70

PUMPING TEST ANALYSIS Recovery



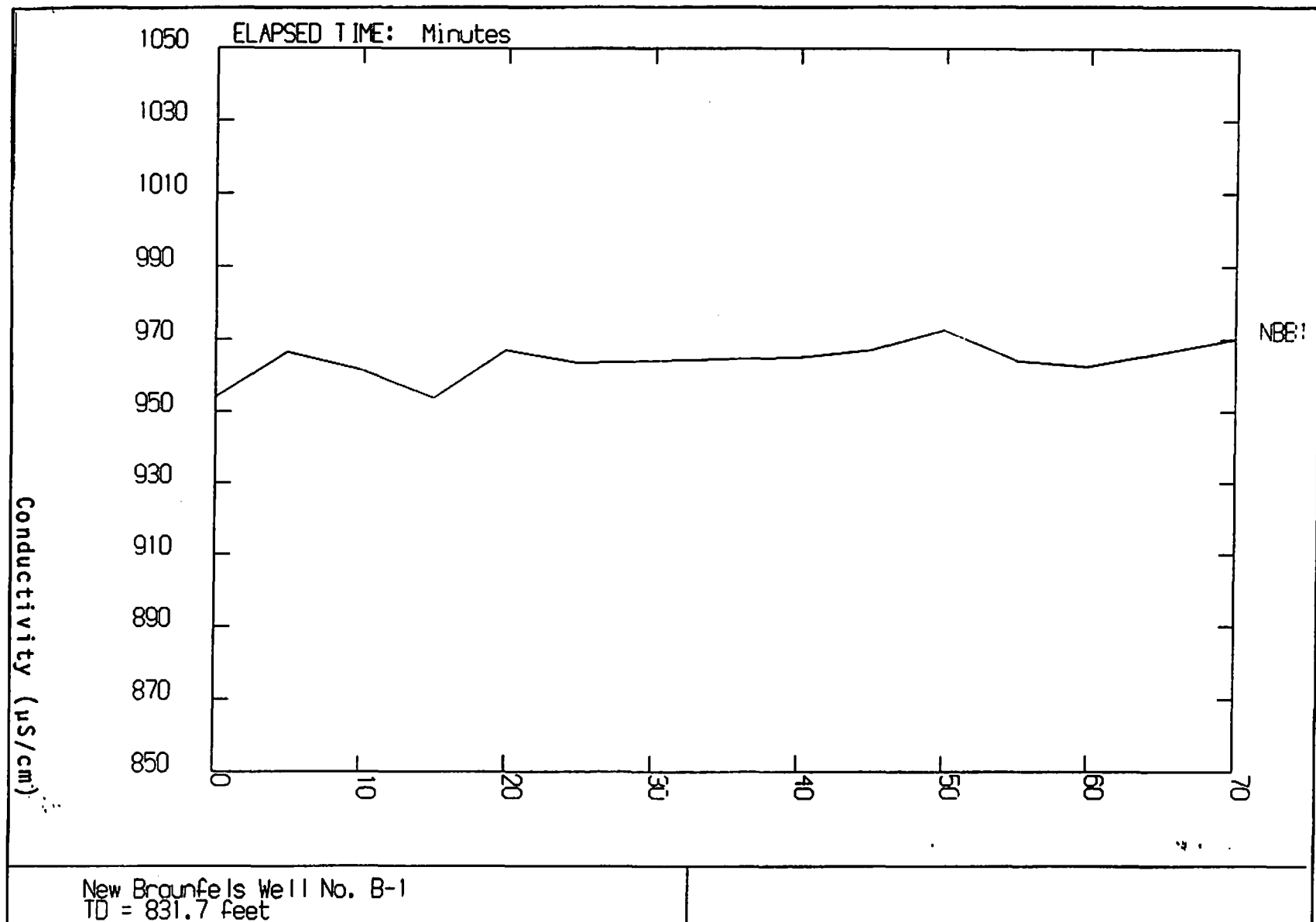
New Braunfels Well No. B-1
TD = 631.7 feet

80-foot Test

EDWARDS UNDERGROUND WATER DISTRICT

Figure :

I-55



----- TIME LOGS REPORT -----

Page 1

Date **09/10/19 07:23:00.0**
 Well I.D. **WBS1**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss	WATERLEVEL (Foot below LGS)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 09/10/19 07:23:00	9.63	
7.00 09/10/19 07:42:00	14.84	
8.00 09/10/19 07:43:00	14.75	
9.00 09/10/19 07:44:00	17.36	
10.00 09/10/19 07:45:00	17.98	
15.00 09/10/19 07:50:00	19.19	
16.00 09/10/19 07:51:00		1770.00
20.00 09/10/19 07:55:00	19.33	
23.00 09/10/19 08:00:00	19.38	1850.00
30.00 09/10/19 08:03:00	19.68	
33.00 09/10/19 08:10:00	19.69	1890.00
43.00 09/10/19 08:12:00	19.70	1905.00
45.00 09/10/19 08:13:00	19.62	1910.00
46.00 09/10/19 08:14:00	19.92	1910.00
46.00 09/10/19 08:14:00	19.92	
47.00 09/10/19 08:14:00	19.70	
48.00 09/10/19 08:14:00	19.52	
49.00 09/10/19 08:14:00	19.36	
70.00 09/10/19 08:43:00	21.05	
72.00 09/10/19 08:47:00	21.43	
74.00 09/10/19 08:49:00	21.23	
76.00 09/10/19 08:51:00	19.96	
78.00 09/10/19 08:53:00	19.62	
80.00 09/10/19 08:55:00	19.65	
83.00 09/10/19 09:00:00	19.40	
90.00 09/10/19 09:03:00	19.23	
93.00 09/10/19 09:10:00	19.17	
105.00 09/10/19 09:20:00	9.93	
113.00 09/10/19 09:30:00	9.93	
125.00 09/10/19 09:40:00	9.73	

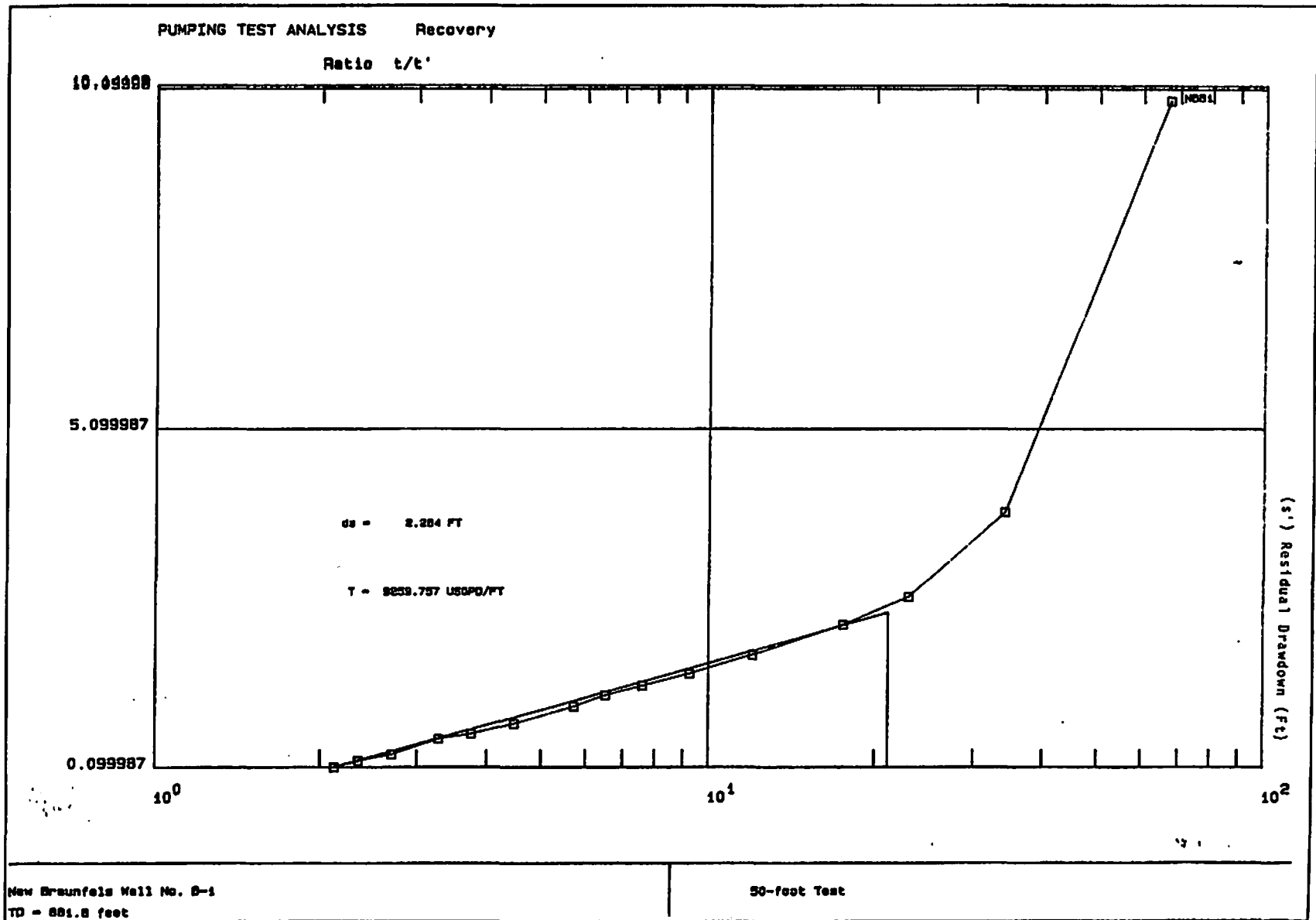
----- TIME LOGS REPORT -----

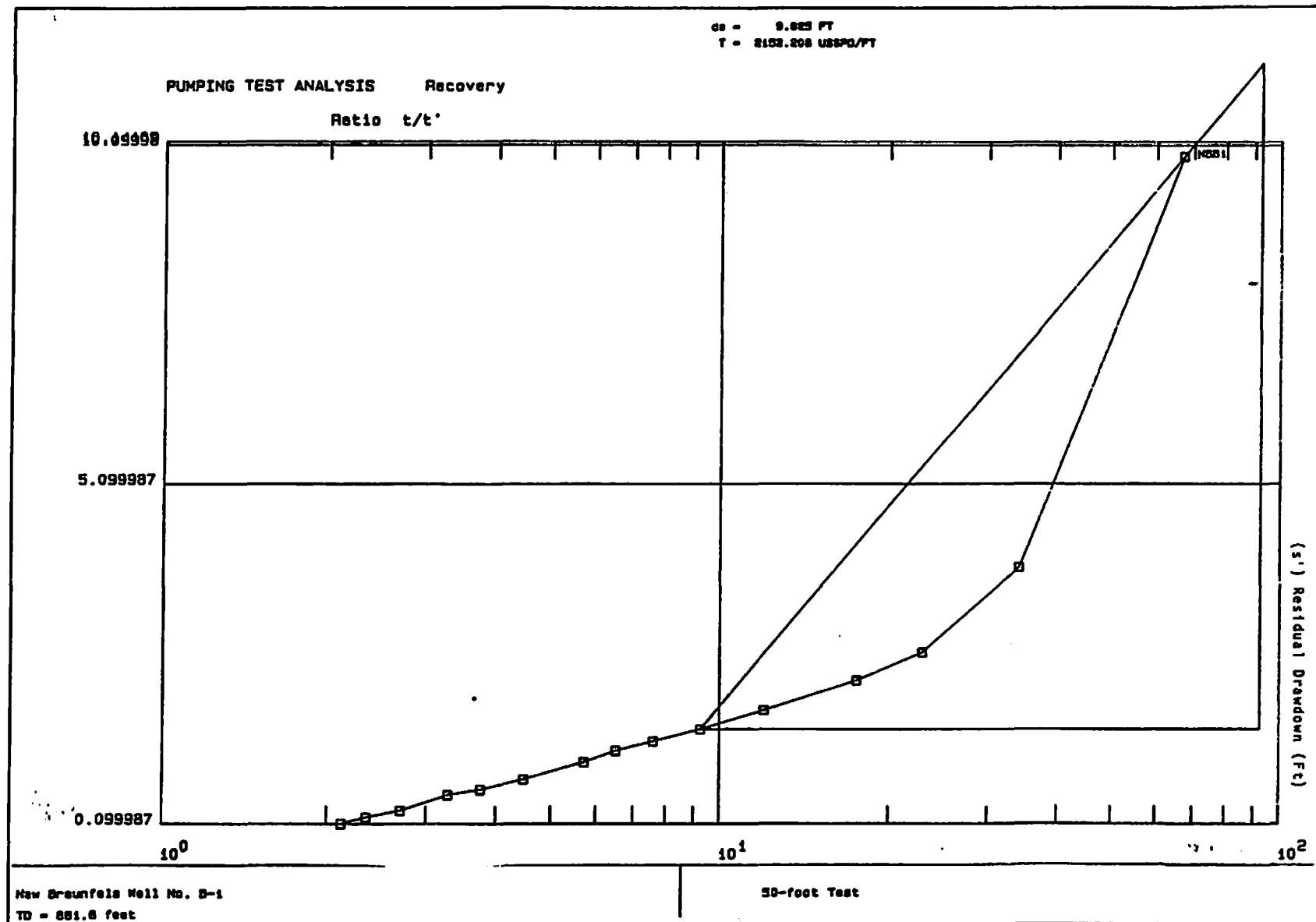
Page 2

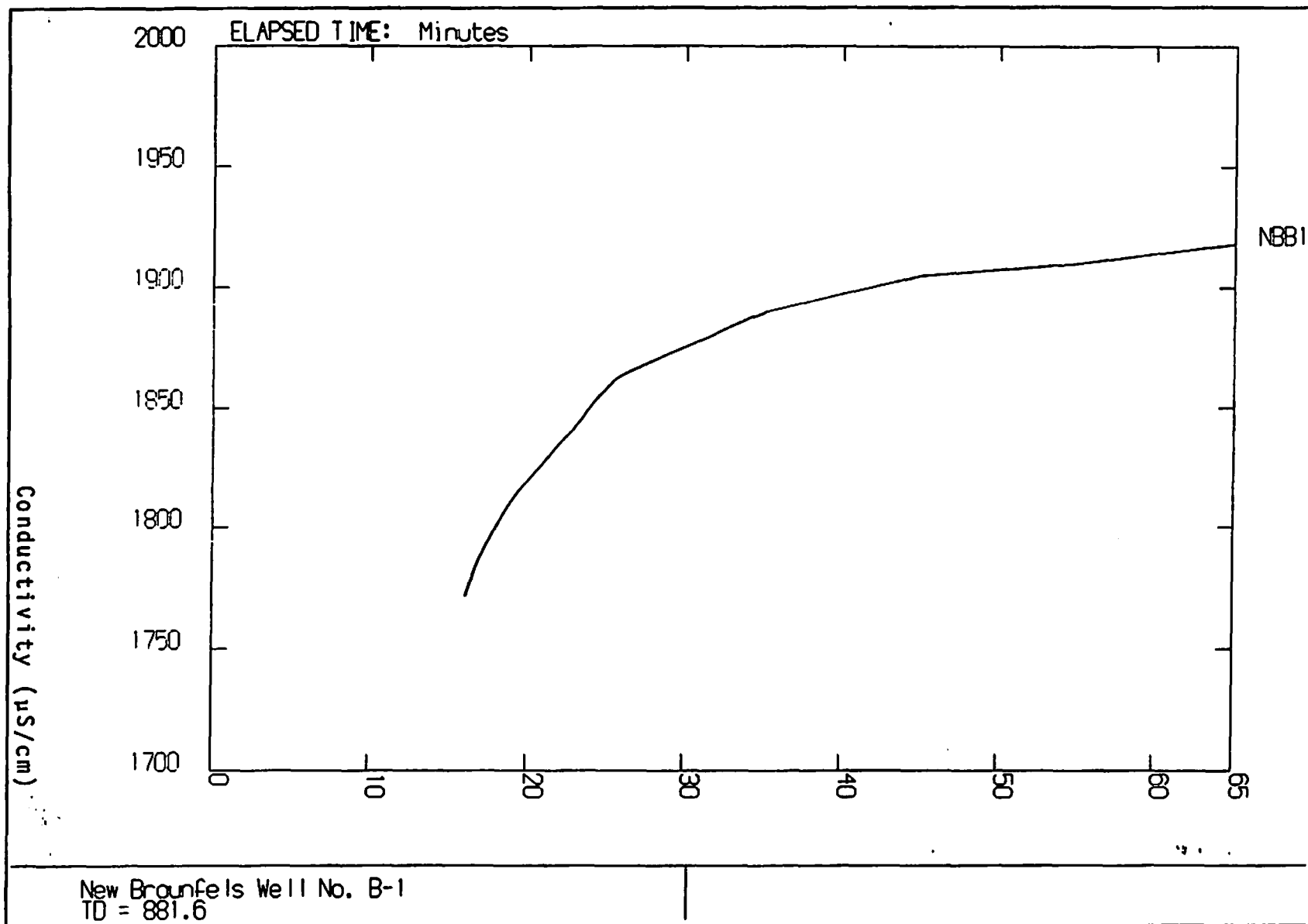
Date **09/10/19 07:23:00.0**
 Well I.D. **WBS1**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 09/10/19 07:23:00	
16.00 09/10/19 07:51:00	26.60
25.00 09/10/19 08:00:00	25.60
35.00 09/10/19 08:10:00	25.60
45.00 09/10/19 08:20:00	25.90
55.00 09/10/19 08:30:00	25.90
65.00 09/10/19 08:40:00	25.90







TIME LOGS REPORT

Page 1

Date 09/10/20 07:10:00.0
Well I.D. RBB1
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/09/20 07:10:00	10.50	
20.00	09/09/20 07:30:00		2580.00
30.00	09/09/20 07:40:00		2525.00
40.00	09/09/20 07:50:00		2552.00
50.00	09/09/20 08:00:00		2675.00
61.00	09/09/20 08:11:00		2605.00
70.00	09/09/20 08:20:00		2702.00
80.00	09/09/20 08:30:00		2730.00
90.00	09/09/20 08:40:00		2738.00
100.00	09/09/20 08:50:00		2708.00
110.00	09/09/20 09:00:00		2715.00
120.00	09/09/20 09:10:00		2715.00
130.00	09/09/20 09:20:00		2715.00
140.00	09/09/20 09:30:00		2738.00
150.00	09/09/20 09:40:00		2730.00
160.00	09/09/20 09:50:00		2730.00
170.00	09/09/20 10:00:00		2730.00
180.00	09/09/20 10:10:00		2731.00
190.00	09/09/20 10:20:00		2715.00
200.00	09/09/20 10:30:00		2715.00
210.00	09/09/20 10:40:00		2715.00
220.00	09/09/20 10:50:00		2715.00
230.00	09/09/20 11:00:00		2715.00
240.00	09/09/20 11:10:00		2715.00
250.00	09/09/20 11:20:00		2715.00
261.30	09/09/20 11:21:30	17.99	
271.00	09/09/20 11:31:00	17.52	
281.30	09/09/20 11:32:30	17.30	
293.00	09/09/20 11:33:00	14.52	
294.00	09/09/20 11:34:00	14.87	
295.00	09/09/20 11:35:00	14.04	
296.00	09/09/20 11:36:00	13.60	
297.00	09/09/20 11:37:00	13.60	
298.00	09/09/20 11:38:00	12.25	
299.00	09/09/20 11:39:00	12.79	
302.00	09/09/20 11:32:00	12.60	
304.00	09/09/20 11:34:00	12.22	
306.00	09/09/20 11:36:00	12.22	
309.00	09/09/20 11:39:00	12.22	
312.00	09/09/20 11:42:00	12.10	
315.00	09/09/20 11:45:00	12.33	
319.00	09/09/20 11:50:00	11.64	
323.00	09/09/20 11:53:00	11.64	
326.00	09/09/20 12:00:00	11.29	
329.00	09/09/20 12:03:00	11.29	

TIME LOGS REPORT

Page 3

Date 09/10/20 07:10:00.0
Well I.D. RBB1
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/09/20 07:10:00	
20.00	09/09/20 07:30:00	25.30
30.00	09/09/20 07:40:00	25.30
40.00	09/09/20 07:50:00	25.70
50.00	09/09/20 08:00:00	25.90
61.00	09/09/20 08:11:00	25.90
70.00	09/09/20 08:20:00	25.90
80.00	09/09/20 08:30:00	25.90
90.00	09/09/20 08:40:00	26.00
100.00	09/09/20 08:50:00	26.10
110.00	09/09/20 09:00:00	26.10
120.00	09/09/20 09:10:00	26.10
130.00	09/09/20 09:20:00	26.20
140.00	09/09/20 09:30:00	26.20
150.00	09/09/20 09:40:00	26.20
160.00	09/09/20 09:50:00	26.20
170.00	09/09/20 10:00:00	26.20
180.00	09/09/20 10:10:00	26.20
190.00	09/09/20 10:20:00	26.20
200.00	09/09/20 10:30:00	26.20
210.00	09/09/20 10:40:00	26.20
220.00	09/09/20 10:50:00	26.20
230.00	09/09/20 11:00:00	26.20
240.00	09/09/20 11:10:00	26.20
250.00	09/09/20 11:20:00	26.20

TIME LOGS REPORT

Page 2

Date 09/10/20 07:10:00.0
Well I.D. RBB1
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
300.00	09/09/20 12:10:00	11.13	
310.00	09/09/20 12:20:00	11.06	
320.00	09/09/20 12:30:00	10.94	
330.00	09/09/20 12:40:00	10.94	
350.00	09/09/20 12:50:00	10.83	
375.00	09/09/20 13:25:00	10.60	
390.00	09/09/20 13:40:00	10.60	
400.00	09/09/20 13:50:00	10.60	
410.00	09/09/20 14:00:00	10.65	
420.00	09/09/20 14:10:00	10.60	
430.00	09/09/20 14:20:00	10.50	

PUMPING TEST ANALYSIS

Recovery

Ratio t/t'

10

9

8

7

6

5

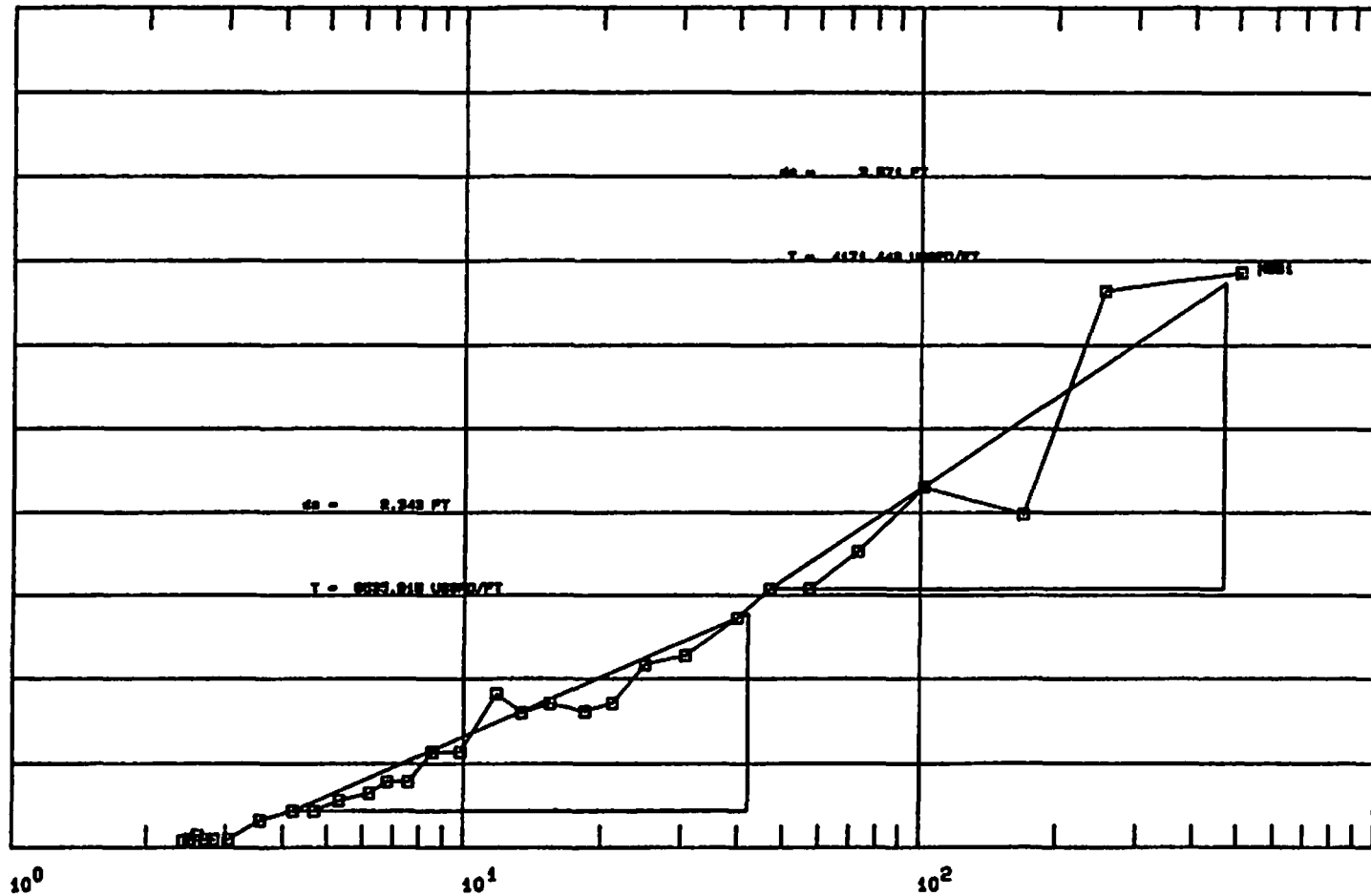
4

3

2

1

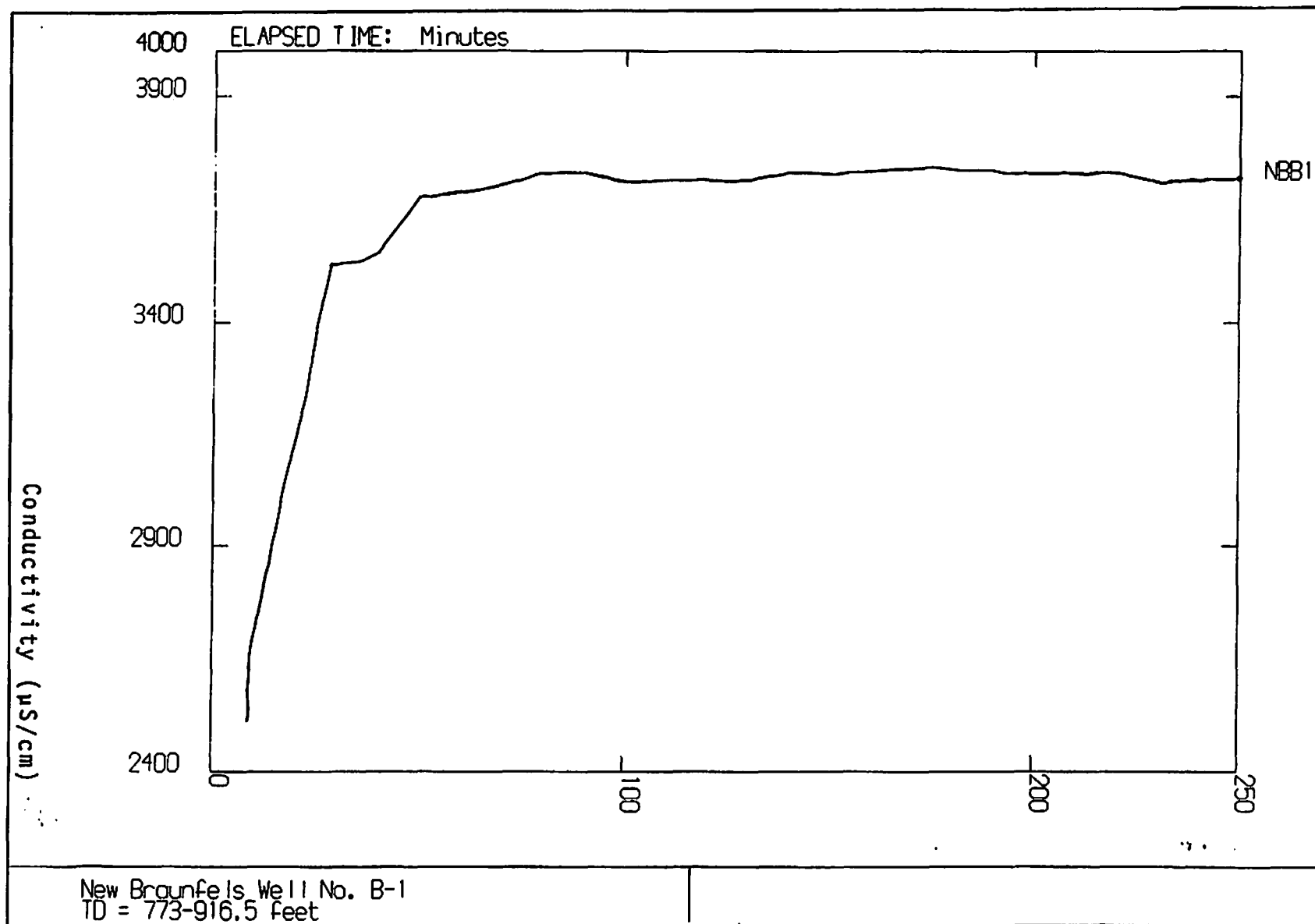
0



(s') Residual Drawdown (ft)

New Braunfels Well No. B-1
TD = 818.5 feet

Packer Test/Interval = 773-818.5 feet



TIME LOGS REPORT				Page 1
Date YY/MM/DD hh:mm:ss.s 90/01/09 17:05:00.0 Well I.D. 8883 REWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)	
0.00	90/01/09 17:05:00			
15.00	90/01/09 17:20:00	161.45		
30.00	90/01/09 17:35:00	170.99	1042.00	
45.00	90/01/09 17:50:00	197.60	922.00	
60.00	90/01/09 18:05:00	201.50	335.00	
75.00	90/01/09 18:20:00	205.67	337.00	
90.00	90/01/09 18:35:00	204.35		
105.00	90/01/09 18:50:00	204.35		
120.00	90/01/09 19:05:00	202.35		
135.00	90/01/09 19:20:00	201.45		

TIME LOGS REPORT				Page 2
Date YY/MM/DD hh:mm:ss.s 90/01/09 17:05:00.0 Well I.D. 8883 REWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)		
0.00	90/01/09 17:05:00			
15.00	90/01/09 17:20:00	22.80		
30.00	90/01/09 17:35:00	22.40		
45.00	90/01/09 17:50:00	21.90		
60.00	90/01/09 18:05:00	21.00		

TIME LOGS REPORT

Page 1

Date 01/01/10 16:10:00
 Well I.D. H883
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	01/01/10 16:10:00		
15.00	01/01/10 16:25:00	70.76	510.00
30.00	01/01/10 16:40:00	71.45	531.00
45.00	01/01/10 16:55:00	72.23	535.00
60.00	01/01/10 17:10:00	72.50	547.00
75.00	01/01/10 17:25:00	72.90	548.00
90.00	01/01/10 17:40:00	73.15	548.00
105.00	01/01/10 17:55:00	73.21	548.00
120.00	01/01/10 18:10:00	73.36	548.00

TIME LOGS REPORT

Page 2

Date 01/01/10 16:10:00
 Well I.D. H883
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	01/01/10 16:10:00	
15.00	01/01/10 16:25:00	24.00
30.00	01/01/10 16:40:00	24.20
45.00	01/01/10 16:55:00	24.60
60.00	01/01/10 17:10:00	24.30
75.00	01/01/10 17:25:00	24.60
90.00	01/01/10 17:40:00	24.60
105.00	01/01/10 17:55:00	24.60
120.00	01/01/10 18:10:00	24.60

TIME LOGS REPORT			
			Page 1
Date TY/HH/DO hh:mm:ss.s 90/01/11 07:15:00.0 Well I.D. SEB2 SEWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Seal MINUTES	TY/HH/DO hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/01/11 07:15:00	0.50	
25.00	90/01/11 07:40:00	51.35	534.00
35.00	90/01/11 07:50:00	50.10	540.00
45.00	90/01/11 08:00:00	50.98	547.00
55.00	90/01/11 08:10:00	57.52	549.00
65.00	90/01/11 08:20:00	50.05	551.00
75.00	90/01/11 08:30:00	50.25	
80.00	90/01/11 08:35:00	50.20	554.00
100.00	90/01/11 08:55:00	10.22	
110.00	90/01/11 09:05:00	0.90	
120.00	90/01/11 09:15:00	0.25	
130.00	90/01/11 09:25:00	7.92	
142.00	90/01/11 09:30:00	7.63	

TIME LOGS REPORT			
			Page 2
Date TY/HH/DO hh:mm:ss.s 90/01/11 07:15:00.0 Well I.D. SEB2 SEWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Seal MINUTES	TY/HH/DO hh:mm:ss	TEMPERATURE (Degree Celsius)	
0.00	90/01/11 07:15:00		
25.00	90/01/11 07:40:00	24.00	
35.00	90/01/11 07:50:00	24.20	
45.00	90/01/11 08:00:00	24.30	
55.00	90/01/11 08:10:00	24.50	
65.00	90/01/11 08:20:00	24.40	
80.00	90/01/11 08:35:00	24.40	

----- TIME LOGS REPORT -----

Page 1

TT/HH/DD hh:mm:ss.s
 Date 00/01/12 07:30:00.0
 Well I.D. F883
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/01/12 07:30:00	10.60	
105.00	00/01/12 10:15:00	47.30	742.00
195.00	00/01/12 10:45:00	47.45	743.00
205.00	00/01/12 10:55:00	47.90	743.00
215.00	00/01/12 11:05:00		743.00
216.00	00/01/12 11:06:00	48.05	
225.00	00/01/12 11:15:00	48.03	747.00
225.00	00/01/12 11:25:00	48.05	746.00
227.00	00/01/12 11:27:00	48.15	
230.00	00/01/12 11:30:00	51.35	
240.00	00/01/12 11:30:00	21.43	
242.00	00/01/12 11:32:00	14.49	
245.00	00/01/12 11:35:00	13.03	
250.00	00/01/12 11:40:00	11.57	
255.00	00/01/12 11:45:00	10.75	
265.00	00/01/12 11:55:00	9.93	
275.00	00/01/12 12:05:00	9.33	
285.00	00/01/12 12:15:00	9.00	
295.00	00/01/12 12:25:00	8.73	

----- TIME LOGS REPORT -----

Page 2

TT/HH/DD hh:mm:ss.s
 Date 00/01/12 07:30:00.0
 Well I.D. F883
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/01/12 07:30:00	
105.00	00/01/12 10:15:00	24.90
195.00	00/01/12 10:45:00	24.90
205.00	00/01/12 10:55:00	24.90
215.00	00/01/12 11:05:00	24.90
225.00	00/01/12 11:15:00	24.90
235.00	00/01/12 11:25:00	24.90

TIME LOGS REPORT

Page 1

Date 00/01/11 13:10:00.0
Well I.D. 8222

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/01/11 13:10:00	49.47	705.00
10.00	00/01/11 13:20:00	49.40	707.00
20.00	00/01/11 13:30:00	49.40	705.00
30.00	00/01/11 13:40:00	49.44	705.00
40.00	00/01/11 13:50:00	49.93	706.00
45.00	00/01/11 13:55:00		706.00
47.00	00/01/11 13:57:00	52.45	
49.00	00/01/11 13:59:00	56.57	
50.00	00/01/11 14:00:00	58.36	
55.00	00/01/11 14:05:00	57.60	
60.00	00/01/11 14:10:00	51.35	
70.00	00/01/11 14:20:00	50.15	
80.00	00/01/11 14:30:00	9.55	
90.00	00/01/11 14:40:00	9.05	
100.00	00/01/11 14:50:00	8.70	
105.00	00/01/11 14:55:00	8.60	

TIME LOGS REPORT

Page 2

Date 00/01/11 13:10:00.0
Well I.D. 8222

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/01/11 13:10:00	25.20
10.00	00/01/11 13:20:00	25.20
20.00	00/01/11 13:30:00	25.20
30.00	00/01/11 13:40:00	25.20
40.00	00/01/11 13:50:00	25.20
45.00	00/01/11 13:55:00	25.20

TIME LOGS REPORT

Page 1

Date TT/NN/DD hh:mm:ss.s
90/01/22 13:45:00.0
Well I.D. RSC1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/NN/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/01/22 13:45:00	9.00	498.50
10.00	90/01/22 13:55:00	100.50	505.00
20.00	90/01/22 14:05:00	112.50	505.00
30.00	90/01/22 14:15:00	104.50	511.60
40.00	90/01/22 14:25:00	106.60	511.20
50.00	90/01/22 14:35:00	109.70	511.20
60.00	90/01/22 14:45:00	107.55	500.60
61.00	90/01/22 14:46:00	106.10	
62.00	90/01/22 14:47:00	99.30	
63.00	90/01/22 14:48:00	94.05	
64.00	90/01/22 14:49:00	92.75	
65.00	90/01/22 14:50:00	87.30	
67.00	90/01/22 14:52:00	75.25	
69.00	90/01/22 14:54:00	67.40	
71.00	90/01/22 14:56:00	60.10	
73.00	90/01/22 14:58:00	54.10	
75.00	90/01/22 15:00:00	47.75	
80.00	90/01/22 15:05:00	37.30	
85.00	90/01/22 15:10:00	28.42	
95.00	90/01/22 15:20:00	17.00	
105.00	90/01/22 15:30:00	12.16	
115.00	90/01/22 15:40:00	9.60	
120.00	90/01/22 15:45:00	9.00	

TIME LOGS REPORT

Page 2

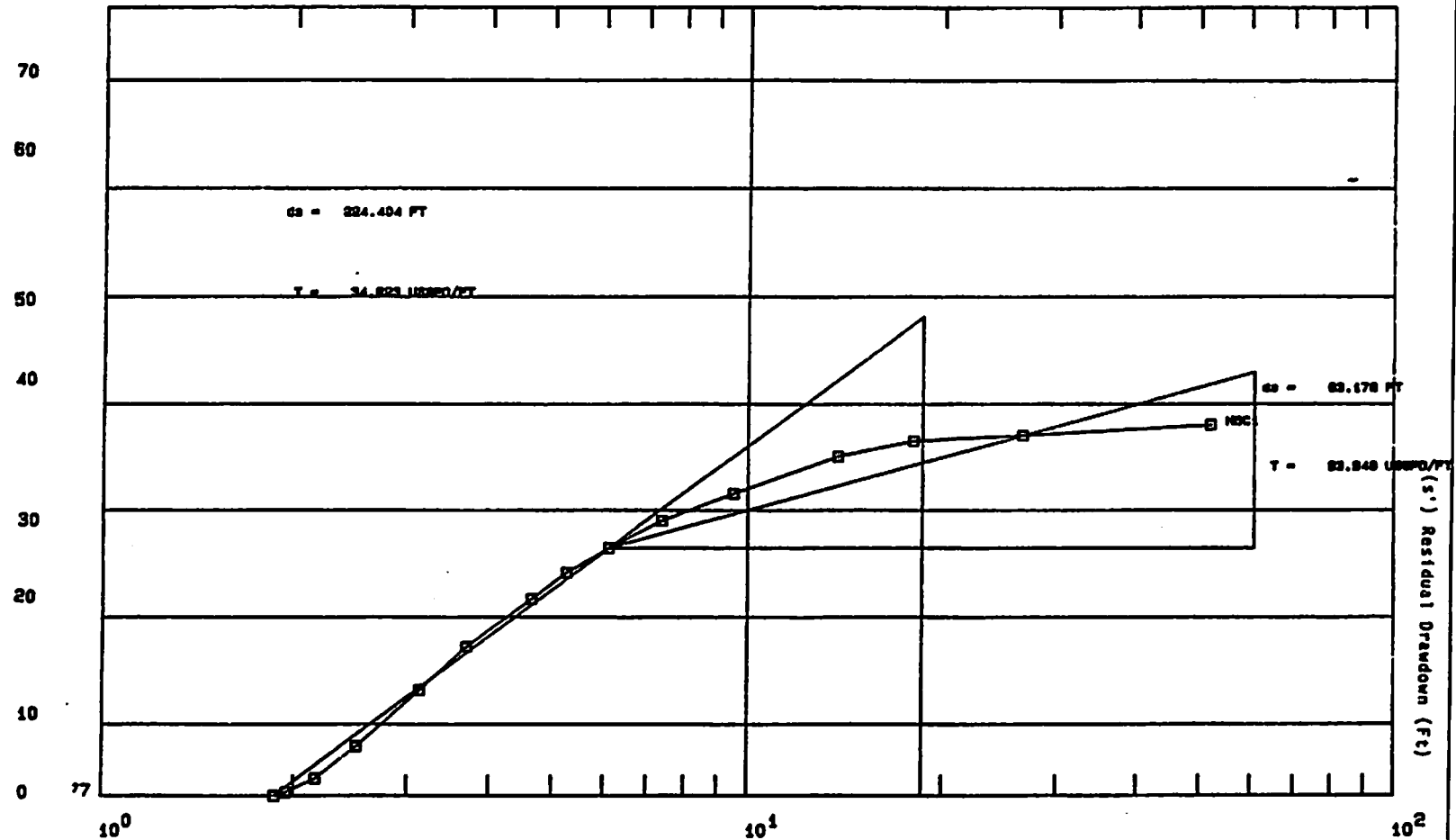
Date TT/NN/DD hh:mm:ss.s
90/01/22 13:45:00.0
Well I.D. RSC1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/NN/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/01/22 13:45:00	23.90
10.00	90/01/22 13:55:00	23.40
20.00	90/01/22 14:05:00	23.40
30.00	90/01/22 14:15:00	23.60
40.00	90/01/22 14:25:00	23.90
50.00	90/01/22 14:35:00	24.10
60.00	90/01/22 14:45:00	24.20

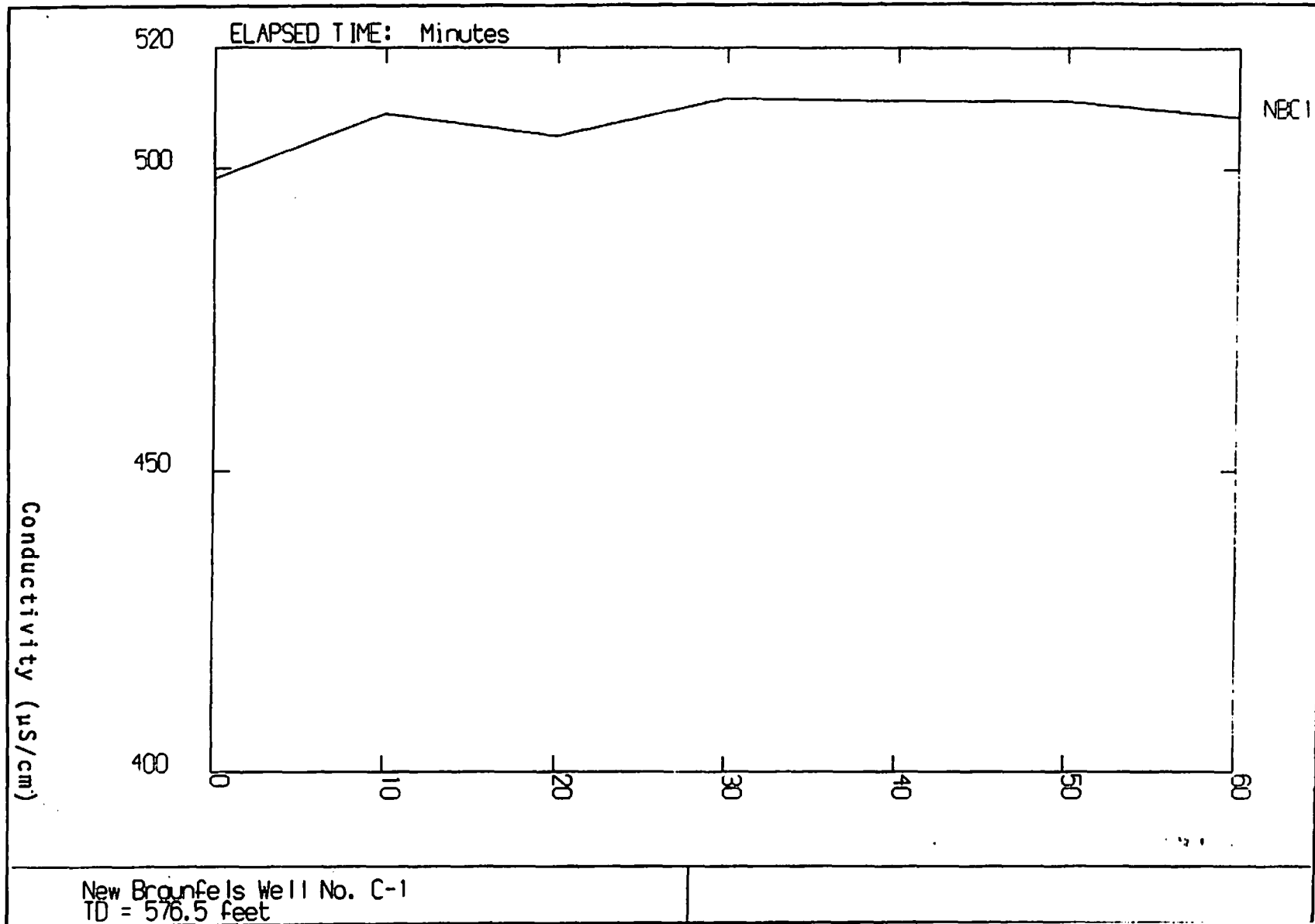
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



New Braunfels Well No. C
TD = 578.5 feet

50-foot Test



TIME LOGS REPORT

Page 1

TT/KH/DD hh:mm:ss.s
 Date 00/01/23 07:20:00.0
 Well I.D. RDC1
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/KH/DD hh:mm:ss.s	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/01/23 07:20:00	0.00	
100.00	00/01/23 09:10:00		312.00
105.00	00/01/23 09:10:00	76.04	
110.00	00/01/23 09:10:00		307.00
115.00	00/01/23 09:13:00	76.40	
120.00	00/01/23 09:13:00		307.00
125.00	00/01/23 09:13:00	76.01	
130.00	00/01/23 09:13:00		309.00
135.00	00/01/23 09:13:00	76.42	
140.00	00/01/23 09:14:00		309.00
145.00	00/01/23 09:14:00	76.34	
150.00	00/01/23 09:15:00	76.40	300.00
155.00	00/01/23 09:15:00	45.82	
157.00	00/01/23 09:15:00	45.47	
158.00	00/01/23 09:15:00	47.92	
159.00	00/01/23 09:15:00	40.64	
160.00	00/01/23 10:00:00	38.10	
162.00	00/01/23 10:02:00	30.40	
164.00	00/01/23 10:04:00	15.37	
166.00	00/01/23 10:06:00	12.50	
168.00	00/01/23 10:08:00	10.80	
170.00	00/01/23 10:10:00	10.20	
175.00	00/01/23 10:13:00	9.30	
180.00	00/01/23 10:20:00	8.50	
185.00	00/01/23 10:23:00	8.20	
195.00	00/01/23 10:33:00	7.88	
200.00	00/01/23 10:40:00	7.88	
210.00	00/01/23 10:50:00	7.80	
215.00	00/01/23 10:55:00	7.40	

TIME LOGS REPORT

Page 2

TT/KH/DD hh:mm:ss.s
 Date 00/01/23 07:20:00.0
 Well I.D. RDC1
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/KH/DD hh:mm:ss.s	TEMPERATURE (Degree Celsius)
0.00	00/01/23 07:20:00	
100.00	00/01/23 09:10:00	23.00
110.00	00/01/23 09:10:00	23.00
120.00	00/01/23 09:13:00	23.00
130.00	00/01/23 09:13:00	23.00
140.00	00/01/23 09:14:00	23.00
150.00	00/01/23 09:15:00	23.10

PUMPING TEST ANALYSIS Recovery

Ratio t/t'

43.78454

40

35

30

25

20

15

10

5

0

$d_w = 25.007$ FT

$T_3 = 582.317$ USGPD/FT

3

NDC1

T_3

$d_w = 11.509$ FT

$T_2 = 1030.037$ USGPD/FT

2

$d_w = 3.613$ FT

$T_1 = 4875.538$ USGPD/FT

1

T_1

T_2

(s') Residual Drawdown (ft)

10^0

10^1

10^2

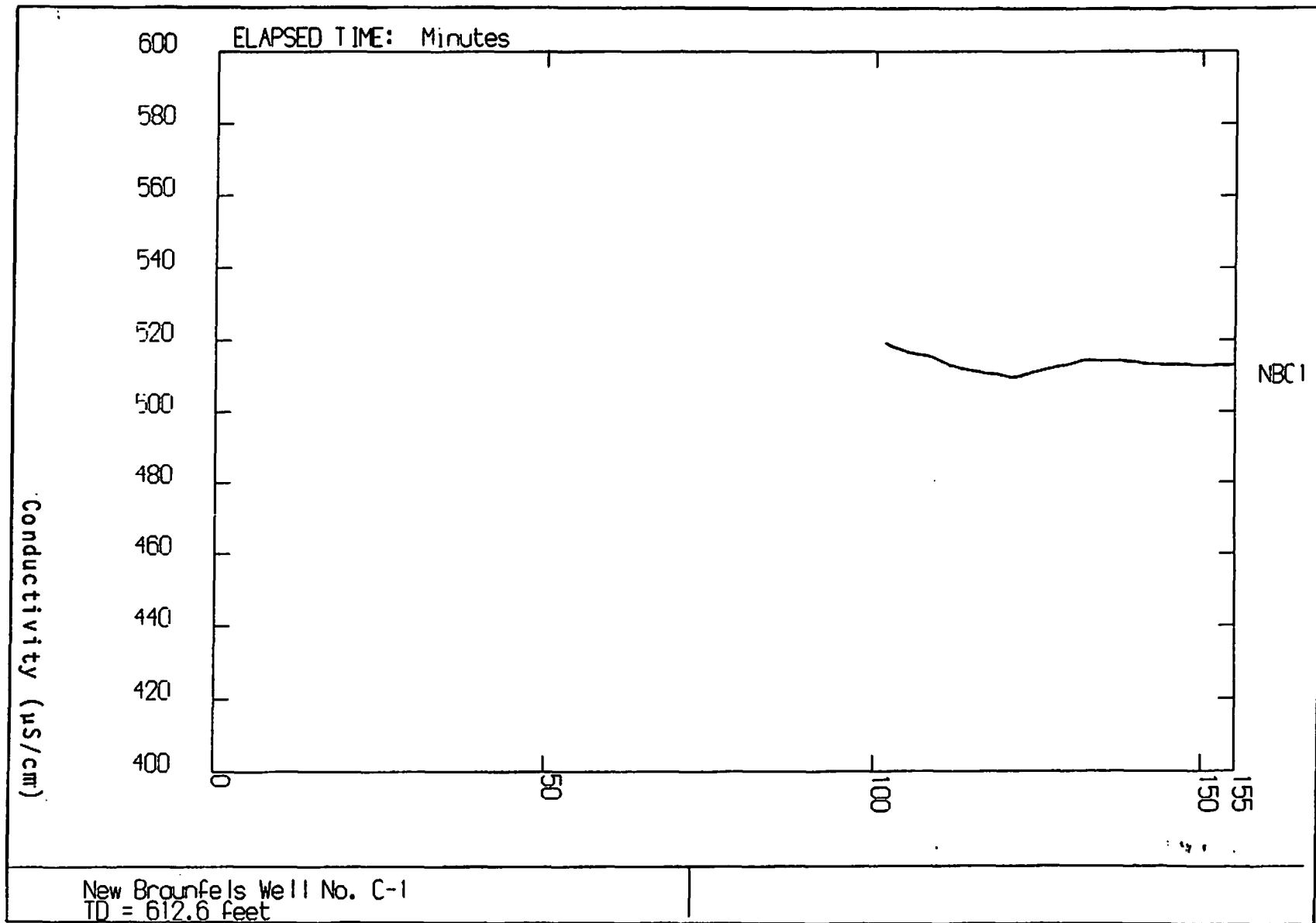
10^3

New Braunfels Well No. C

TD = 512.5 feet

50-foot Test

I-73



TIME LOG REPORT

Page 1

Date 09/01/23 16:20:00.0
 Well I.D. W2C1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Well MINUTES	TIME - Well YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/01/23 16:20:00	7.38	514.70
10.00	09/01/23 16:30:00	10.03	514.40
20.00	09/01/23 16:40:00	27.80	514.60
30.00	09/01/23 16:50:00	27.93	513.90
40.00	09/01/23 17:00:00	28.00	513.20
50.00	09/01/23 17:10:00	28.20	513.50
60.00	09/01/23 17:20:00	40.20	513.40
61.00	09/01/23 17:21:00	42.83	
62.00	09/01/23 17:22:00	34.03	
63.00	09/01/23 17:23:00	27.50	
64.00	09/01/23 17:24:00	22.10	
65.00	09/01/23 17:25:00	17.06	
66.00	09/01/23 17:26:00	15.60	
67.00	09/01/23 17:27:00	13.49	
68.00	09/01/23 17:28:00	12.30	
69.00	09/01/23 17:29:00	11.96	
70.00	09/01/23 17:30:00	11.47	
72.00	09/01/23 17:32:00	10.30	
74.00	09/01/23 17:34:00	9.93	
76.00	09/01/23 17:36:00	9.60	
78.00	09/01/23 17:38:00	9.34	
80.00	09/01/23 17:40:00	9.15	
85.00	09/01/23 17:45:00	8.87	
90.00	09/01/23 17:50:00	8.60	
95.00	09/01/23 17:55:00	8.43	
105.00	09/01/23 18:05:00	8.13	
110.00	09/01/23 18:10:00	8.06	
120.00	09/01/23 18:20:00	7.98	

TIME LOG REPORT

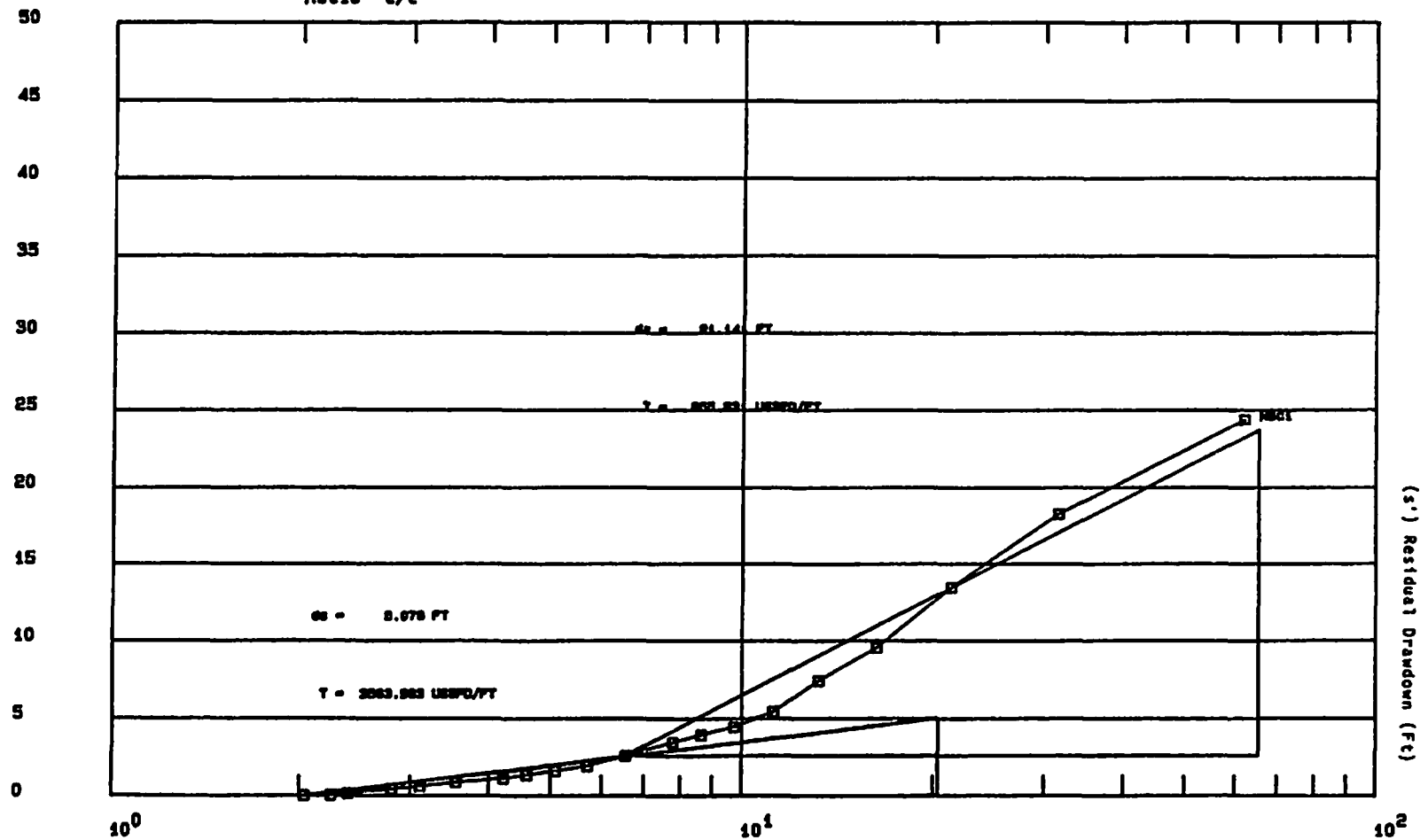
Page 2

Date 09/01/23 16:20:00.0
 Well I.D. W2C1

EDWARDS UNDERGROUND WATER DISTRICT

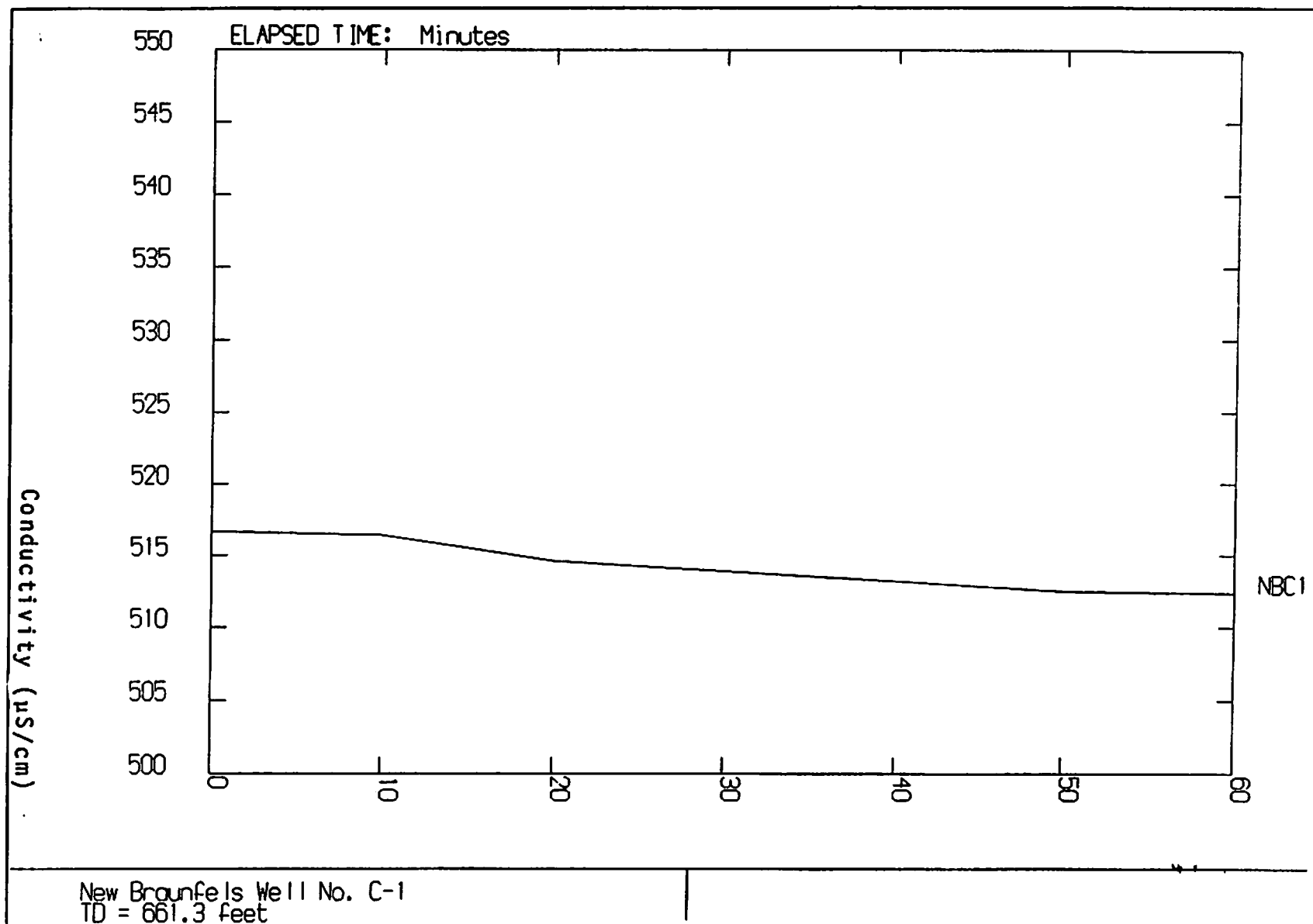
Elapsed - TIME - Well MINUTES	TIME - Well YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/01/23 16:20:00	23.30
10.00	09/01/23 16:30:00	23.30
20.00	09/01/23 16:40:00	23.40
30.00	09/01/23 16:50:00	23.40
40.00	09/01/23 17:00:00	23.30
50.00	09/01/23 17:10:00	24.90
60.00	09/01/23 17:20:00	25.20

PUMPING TEST ANALYSIS Recovery

Ratio t/t' 

New Braunfels Well No. 0-1
 TP = 636.9 feet

50-foot Test



TIME LOGS REPORT

Page 1

Date 00/01/24 11:00:00.0
Well I.D. RUC1
EDWARDS UNDERGROUND WATER DISTRICT

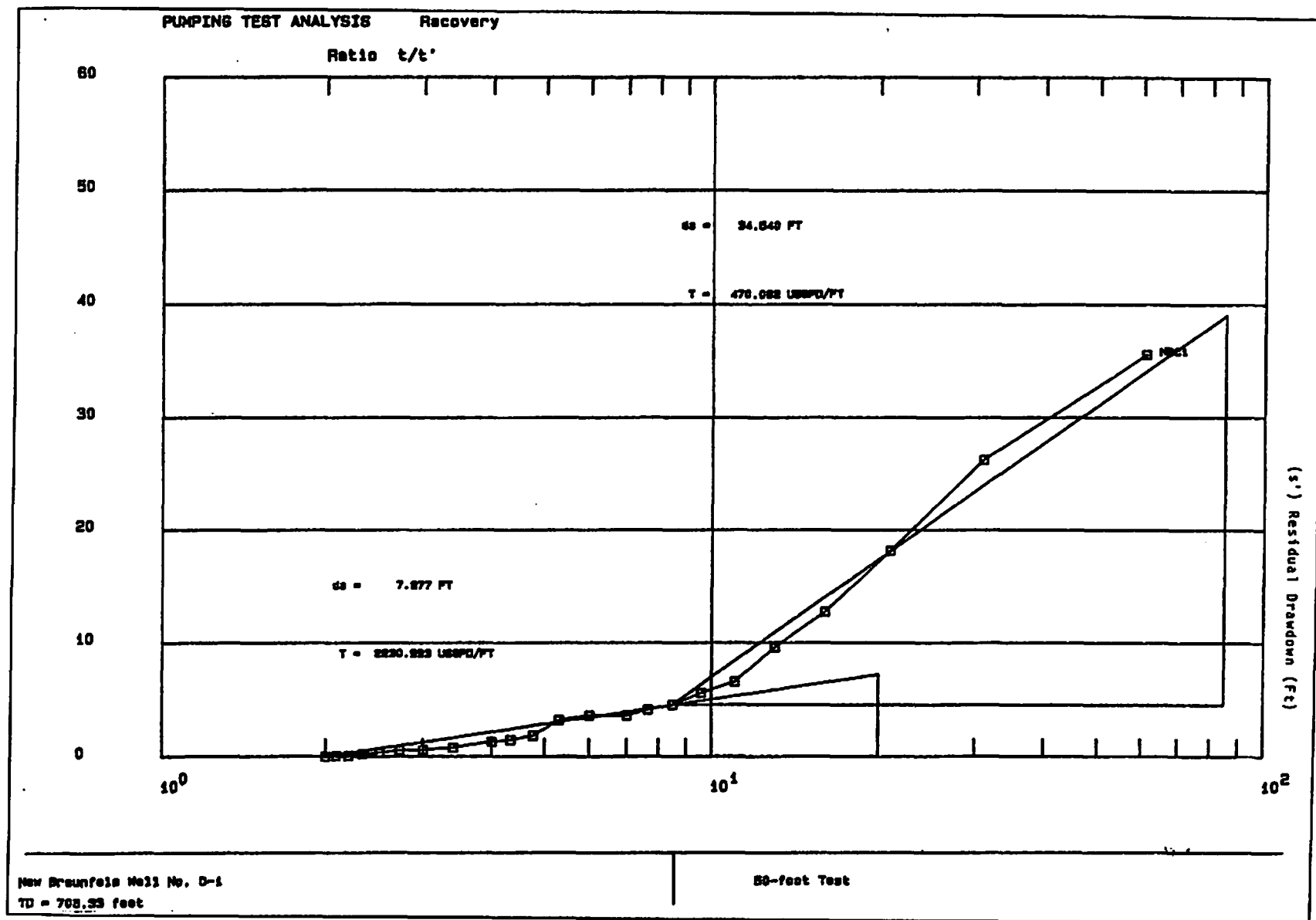
Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/01/24 11:00:00	7.71	512.00
10.00	00/01/24 11:10:00	56.76	507.00
20.00	00/01/24 11:20:00	59.47	504.00
30.00	00/01/24 11:30:00	59.00	504.00
40.00	00/01/24 11:40:00	58.33	510.00
50.00	00/01/24 11:50:00	58.74	507.00
60.00	00/01/24 12:00:00	58.00	513.00
61.00	00/01/24 12:01:00	47.60	
62.00	00/01/24 12:02:00	36.14	
63.00	00/01/24 12:03:00	26.00	
64.00	00/01/24 12:04:00	20.95	
65.00	00/01/24 12:05:00	17.62	
66.00	00/01/24 12:06:00	14.50	
67.00	00/01/24 12:07:00	13.46	
68.00	00/01/24 12:08:00	12.49	
69.00	00/01/24 12:09:00	11.78	
70.00	00/01/24 12:10:00	11.41	
72.00	00/01/24 12:12:00	11.45	
74.00	00/01/24 12:14:00	11.02	
75.00	00/01/24 12:16:00	9.62	
78.00	00/01/24 12:18:00	9.26	
80.00	00/01/24 12:20:00	9.12	
85.00	00/01/24 12:25:00	8.57	
90.00	00/01/24 12:30:00	8.34	
95.00	00/01/24 12:35:00	8.32	
100.00	00/01/24 12:40:00	8.12	
105.00	00/01/24 12:45:00	8.02	
110.00	00/01/24 12:50:00	7.87	
115.00	00/01/24 12:55:00	7.83	
120.00	00/01/24 13:00:00	7.77	

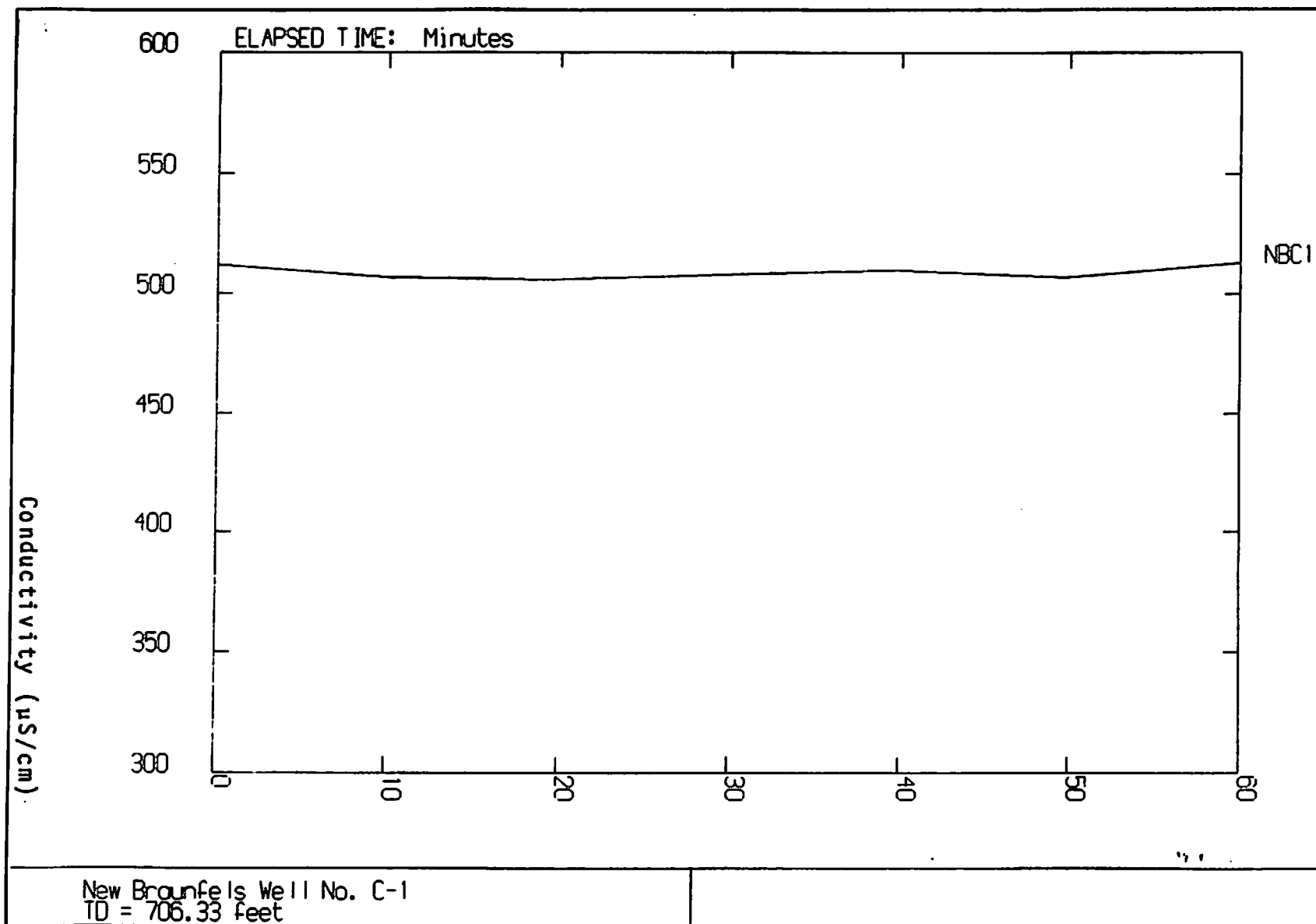
TIME LOGS REPORT

Page 2

Date 00/01/24 11:00:00.0
Well I.D. RUC1
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/01/24 11:00:00	25.20
10.00	00/01/24 11:10:00	25.20
20.00	00/01/24 11:20:00	25.20
30.00	00/01/24 11:30:00	25.20
40.00	00/01/24 11:40:00	25.20
50.00	00/01/24 11:50:00	25.20
60.00	00/01/24 12:00:00	25.20





TIME LOGS REPORT Page 1

Date 09/01/25 14:00:00.0
Well I.D. RBC1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/01/25 14:00:00	8.55	
2.00	09/01/25 14:02:00	10.01	517.20
5.00	09/01/25 14:05:00	126.72	502.50
10.00	09/01/25 14:10:00	179.01	2145.00
15.00	09/01/25 14:15:00	195.63	630.20
20.00	09/01/25 14:20:00	199.09	565.20
25.00	09/01/25 14:25:00		540.90
30.00	09/01/25 14:30:00	133.32	564.10
35.00	09/01/25 14:35:00		567.00
40.00	09/01/25 14:40:00	134.07	573.00
45.00	09/01/25 14:45:00		574.30
50.00	09/01/25 14:50:00	163.61	570.20
55.00	09/01/25 14:55:00	164.74	579.70
60.00	09/01/25 15:00:00	165.33	581.70
65.00	09/01/25 15:05:00	165.47	581.70
70.00	09/01/25 15:10:00	165.56	582.20
75.00	09/01/25 15:15:00	165.51	582.10
80.00	09/01/25 15:20:00	165.91	581.10
85.00	09/01/25 15:25:00	165.09	583.20
90.00	09/01/25 15:30:00	166.06	579.60
95.00	09/01/25 15:35:00		
100.00	09/01/25 15:40:00	166.12	580.20
105.00	09/01/25 15:45:00	166.16	
110.00	09/01/25 15:50:00	166.27	580.20
115.00	09/01/25 15:55:00	167.55	579.20
120.00	09/01/25 16:00:00	167.05	580.00
125.00	09/01/25 16:05:00	168.02	580.00
130.00	09/01/25 16:10:00	167.07	580.00
135.00	09/01/25 16:15:00	167.10	
140.00	09/01/25 16:20:00	122.32	
145.00	09/01/25 16:25:00	113.17	
150.00	09/01/25 16:30:00		
155.00	09/01/25 16:35:00	83.72	
160.00	09/01/25 16:40:00	70.97	
165.00	09/01/25 16:45:00	62.57	
170.00	09/01/25 16:50:00	51.10	
175.00	09/01/25 16:55:00	44.46	
180.00	09/01/25 17:00:00	36.98	
185.00	09/01/25 17:05:00	31.03	
190.00	09/01/25 17:10:00	27.37	
195.00	09/01/25 17:15:00	20.49	
200.00	09/01/25 17:20:00	19.64	

TIME LOGS REPORT Page 3

Date 09/01/25 14:00:00.0
Well I.D. RBC1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/01/25 14:00:00	
2.00	09/01/25 14:02:00	25.00
5.00	09/01/25 14:05:00	25.70
10.00	09/01/25 14:10:00	25.80
15.00	09/01/25 14:15:00	25.00
20.00	09/01/25 14:20:00	26.00
25.00	09/01/25 14:25:00	26.00
30.00	09/01/25 14:30:00	26.20
35.00	09/01/25 14:35:00	26.10
40.00	09/01/25 14:40:00	26.20
45.00	09/01/25 14:45:00	26.20
50.00	09/01/25 14:50:00	26.10
55.00	09/01/25 14:55:00	26.00
60.00	09/01/25 15:00:00	26.00
65.00	09/01/25 15:05:00	26.10
70.00	09/01/25 15:10:00	26.10
75.00	09/01/25 15:15:00	26.10
80.00	09/01/25 15:20:00	26.10
85.00	09/01/25 15:25:00	26.10
90.00	09/01/25 15:30:00	26.10
95.00	09/01/25 15:35:00	26.10
100.00	09/01/25 15:40:00	26.10
105.00	09/01/25 15:45:00	26.10
110.00	09/01/25 15:50:00	26.10
115.00	09/01/25 15:55:00	26.20
120.00	09/01/25 16:00:00	26.20
125.00	09/01/25 16:05:00	26.00
130.00	09/01/25 16:10:00	
135.00	09/01/25 16:15:00	
140.00	09/01/25 16:20:00	26.00
145.00	09/01/25 16:25:00	26.00
150.00	09/01/25 16:30:00	26.00
155.00	09/01/25 16:35:00	26.00
160.00	09/01/25 16:40:00	26.10
165.00	09/01/25 16:45:00	26.00
170.00	09/01/25 16:50:00	26.00
175.00	09/01/25 16:55:00	26.00
180.00	09/01/25 17:00:00	26.00

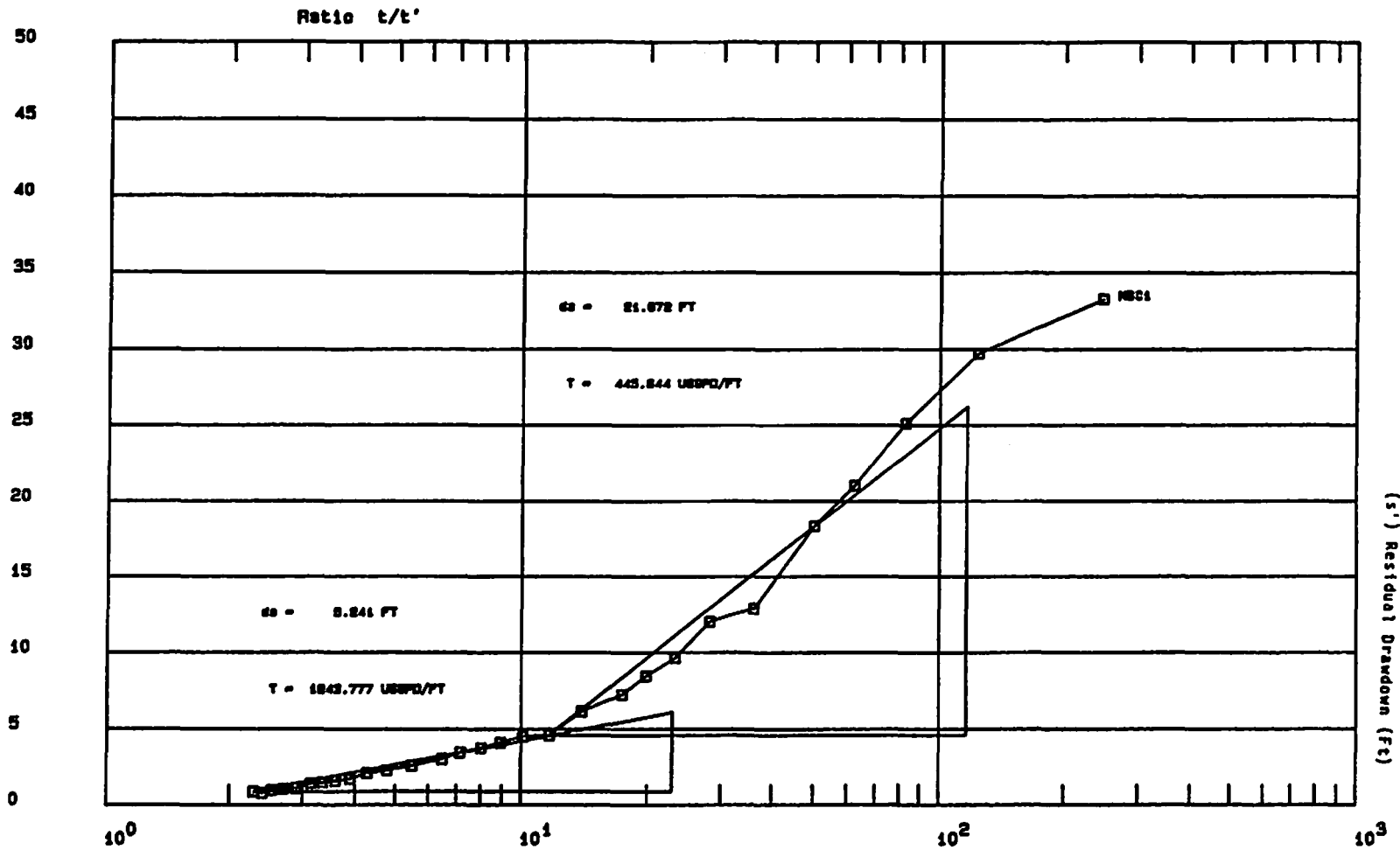
TIME LOGS REPORT Page 3

Date 09/01/25 14:00:00.0
Well I.D. RBC1

EDWARDS UNDERGROUND WATER DISTRICT

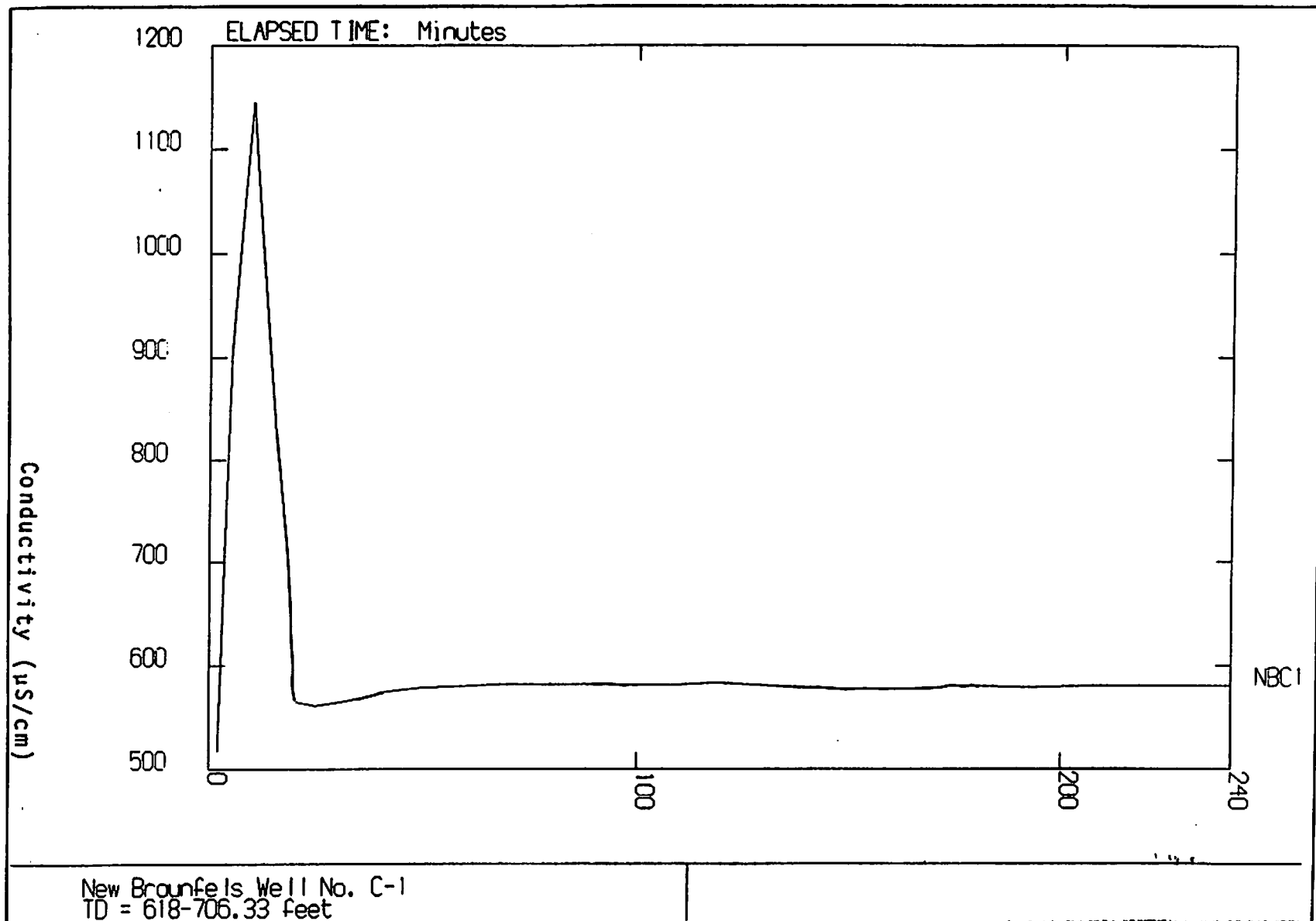
Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
255.00	09/01/25 18:15:00	16.00	
258.00	09/01/25 18:18:00	15.54	
260.00	09/01/25 18:20:00	14.22	
264.00	09/01/25 18:24:00	13.03	
268.00	09/01/25 18:28:00	11.36	
272.00	09/01/25 18:32:00	11.26	
276.00	09/01/25 18:36:00	10.09	
280.00	09/01/25 18:40:00	10.52	
285.00	09/01/25 18:45:00	10.20	
290.00	09/01/25 18:50:00	9.76	
300.00	09/01/25 19:00:00	9.27	
310.00	09/01/25 19:10:00	8.97	
320.00	09/01/25 19:20:00	8.62	
330.00	09/01/25 19:30:00	8.43	
340.00	09/01/25 19:40:00	8.37	
350.00	09/01/25 19:50:00	8.12	
360.00	09/01/25 20:00:00	8.07	
375.00	09/01/25 20:15:00	7.79	
390.00	09/01/25 20:30:00	7.72	
405.00	09/01/25 20:45:00	7.63	
420.00	09/01/25 21:00:00	7.49	
435.00	09/01/25 21:15:00	7.53	
1030.00	09/01/26 07:10:00	6.67	

PUMPING TEST ANALYSIS Recovery



New Brunfels Well No. C
TD = 708.33 feet

Packer Test/Interval = 618-708.33 feet



TIME LOGS REPORT

Page 1

Date **00/01/20 10:53:00.0**
 Well I.D. **HBC1**
 REMAINS UNDERGROUND WATER DISTRICT

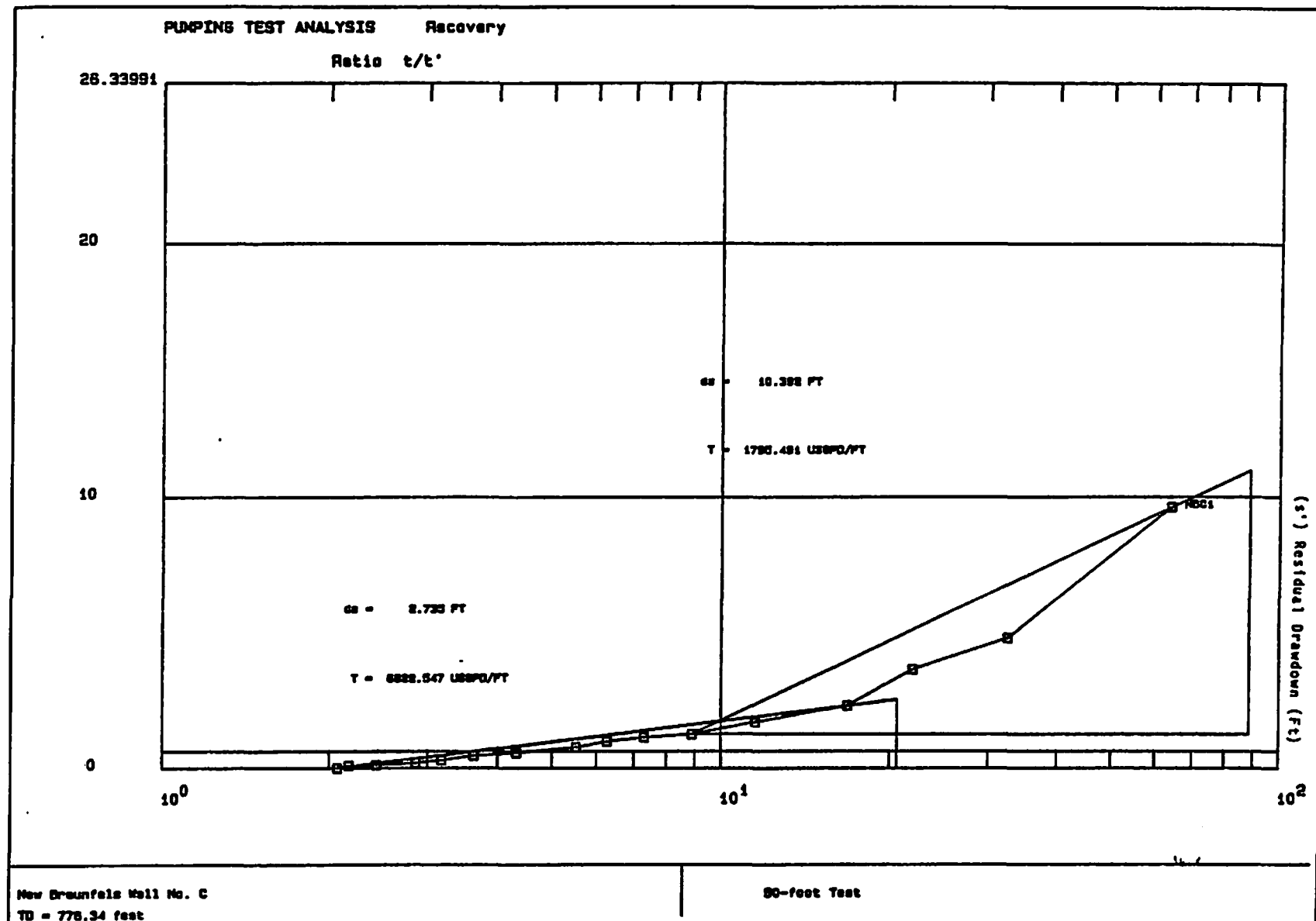
Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/01/20 10:53:00	7.83	
12.00	00/01/20 11:05:00	35.07	326.00
22.00	00/01/20 11:15:00	35.07	320.00
32.00	00/01/20 11:25:00	34.92	320.00
42.00	00/01/20 11:35:00	34.84	320.00
52.00	00/01/20 11:45:00	34.95	320.00
62.00	00/01/20 11:55:00	34.90	327.00
63.00	00/01/20 11:56:00	20.77	
64.00	00/01/20 11:57:00	17.50	
65.00	00/01/20 11:58:00	12.27	
66.00	00/01/20 11:59:00	11.04	
67.00	00/01/20 12:00:00	9.42	
69.00	00/01/20 12:02:00	8.94	
71.00	00/01/20 12:04:00	8.40	
73.00	00/01/20 12:06:00	8.37	
75.00	00/01/20 12:08:00	8.19	
77.00	00/01/20 12:10:00	7.97	
82.00	00/01/20 12:15:00	7.74	
87.00	00/01/20 12:20:00	7.63	
92.00	00/01/20 12:25:00	7.44	
97.00	00/01/20 12:30:00	7.35	
107.00	00/01/20 12:40:00	7.26	
117.00	00/01/20 12:50:00	7.24	
122.00	00/01/20 12:55:00	7.13	

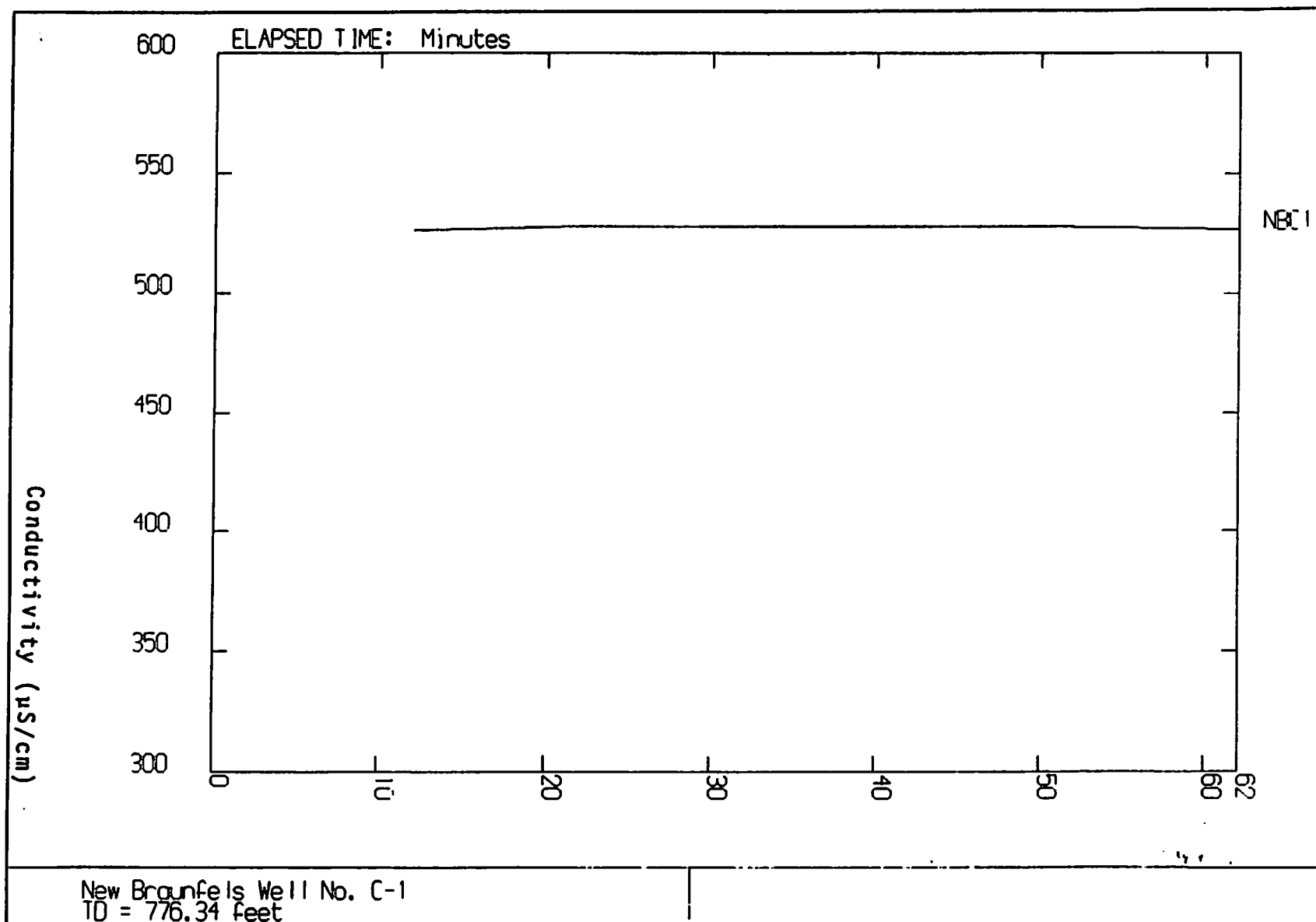
TIME LOGS REPORT

Page 2

Date **00/01/20 10:53:00.0**
 Well I.D. **HBC1**
 REMAINS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/01/20 10:53:00	
12.00	00/01/20 11:05:00	25.40
22.00	00/01/20 11:15:00	25.40
32.00	00/01/20 11:25:00	25.40
42.00	00/01/20 11:35:00	25.50
52.00	00/01/20 11:45:00	25.50
62.00	00/01/20 11:55:00	25.60

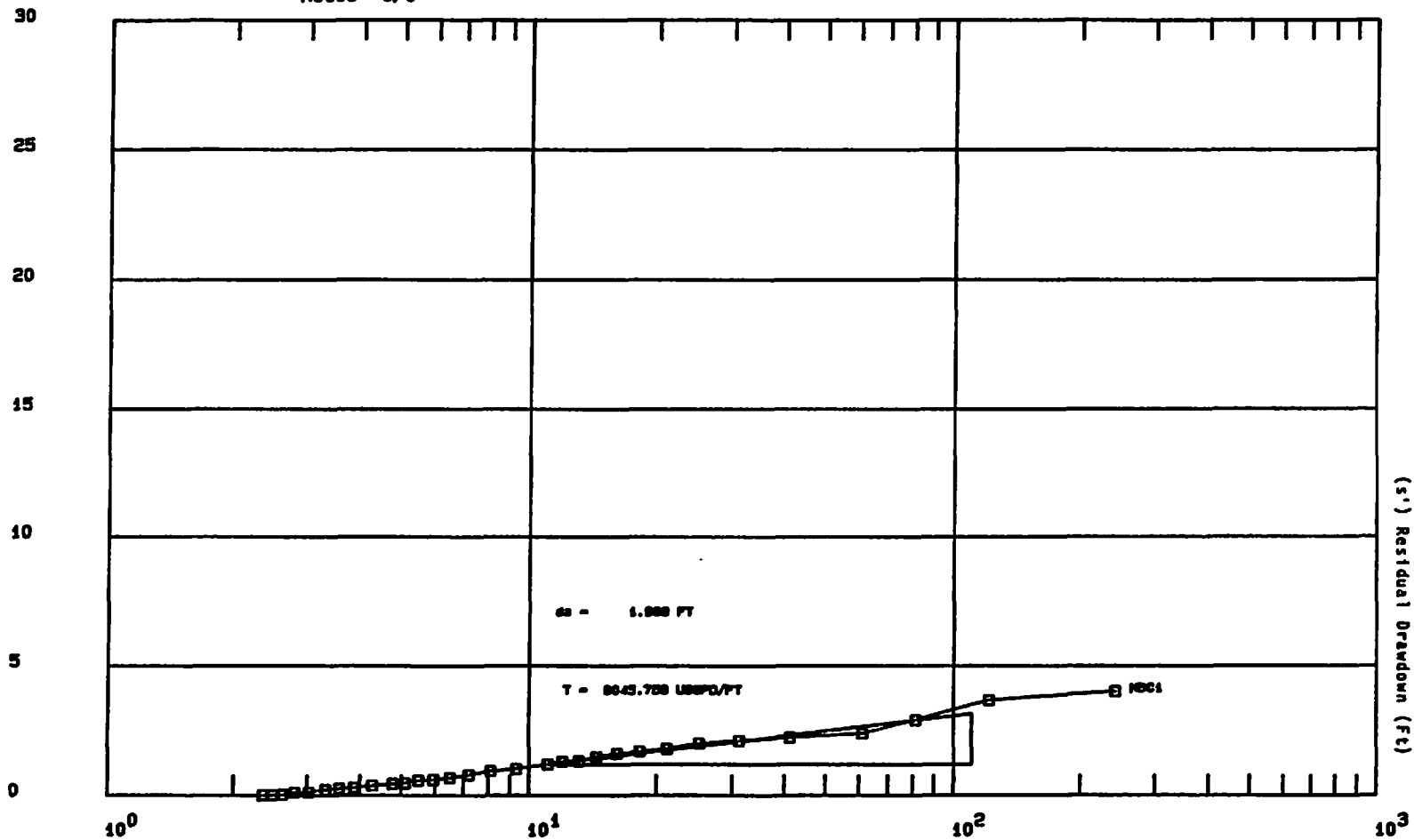




TIME LOGS REPORT			
Date 00/01/29 17:20:00.0 Well I.D. WDC1 EDWARDS UNDERGROUND WATER DISTRICT			Page 1
Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LED)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/01/29 17:20:00	7.21	
5.00	00/01/29 17:25:00	26.47	546.00
10.00	00/01/29 17:30:00	26.72	541.20
15.00	00/01/29 17:35:00	26.93	549.60
20.00	00/01/29 17:40:00	26.32	546.20
25.00	00/01/29 17:45:00	26.39	544.00
30.00	00/01/29 17:50:00	26.56	543.40
35.00	00/01/29 18:05:00	29.50	544.40
40.00	00/01/29 18:20:00	29.57	545.60
45.00	00/01/29 18:30:00	29.93	
50.00	00/01/29 18:35:00	29.34	
55.00	00/01/29 18:40:00	12.94	
60.00	00/01/29 18:45:00	11.61	
65.00	00/01/29 18:50:00	9.70	
70.00	00/01/29 18:55:00	9.33	
75.00	00/01/29 19:00:00	9.31	
80.00	00/01/29 19:05:00	9.68	
85.00	00/01/29 19:10:00	0.48	
90.00	00/01/29 19:15:00	0.10	
95.00	00/01/29 19:20:00	0.63	
100.00	00/01/29 19:25:00	7.76	
105.00	00/01/29 19:30:00	7.54	
110.00	00/01/29 19:35:00	7.35	
115.00	00/01/29 19:40:00	7.23	
120.00	00/01/29 19:45:00	7.31	

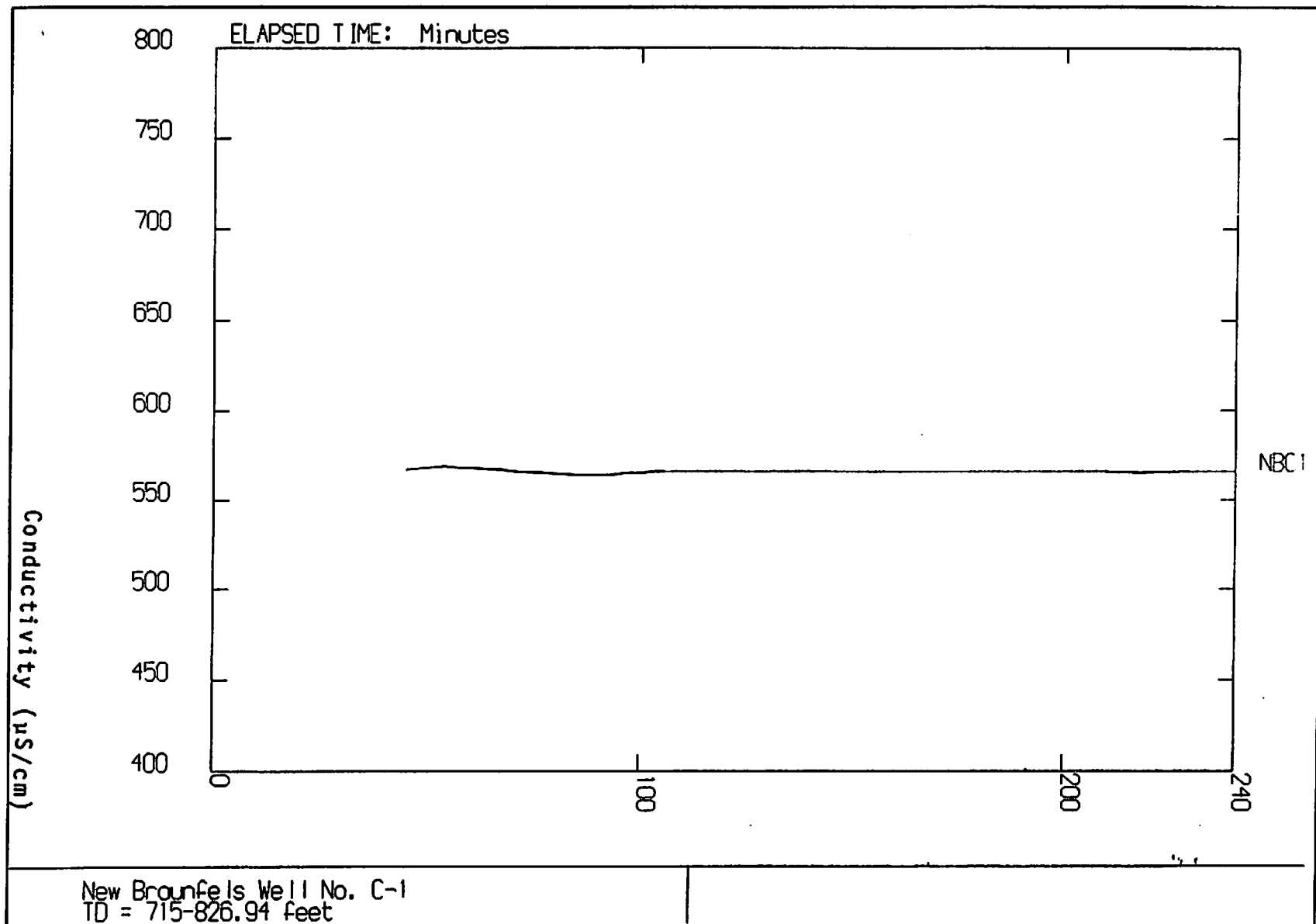
TIME LOGS REPORT			
Date 00/01/29 17:20:00.0 Well I.D. WDC1 EDWARDS UNDERGROUND WATER DISTRICT			Page 2
Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)	
0.00	00/01/29 17:20:00		
5.00	00/01/29 17:25:00	25.90	
10.00	00/01/29 17:30:00	25.80	
15.00	00/01/29 17:35:00	25.60	
20.00	00/01/29 17:40:00	25.60	
25.00	00/01/29 17:45:00	25.60	
30.00	00/01/29 17:50:00	25.60	
35.00	00/01/29 18:05:00	25.70	
40.00	00/01/29 18:15:00	25.60	
45.00	00/01/29 18:25:00	25.60	
50.00	00/01/29 18:35:00	25.60	
55.00	00/01/29 18:45:00	25.60	
60.00	00/01/29 18:55:00	25.60	

PUMPING TEST ANALYSIS Recovery

Ratio t/t' 

New Braunfels Well No. C
TD = 828.94 feet

Packer Test/Interval = 715-828.94 feet



TIME LOGS REPORT

Page 1

Date **TY/HR/CD hh:mm:ss.s**
90/01/30 11:43:00.0
 Well I.D. **NBC1**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HR/CD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/01/30 11:43:00	6.28	
1.00	90/01/30 11:44:00	20.17	
2.00	90/01/30 11:45:00	20.39	
3.00	90/01/30 11:46:00	20.42	
4.00	90/01/30 11:47:00	20.92	538.00
5.00	90/01/30 11:48:00	21.08	
6.00	90/01/30 11:49:00	20.96	
7.00	90/01/30 11:50:00	20.90	
8.00	90/01/30 11:51:00	21.00	
9.00	90/01/30 11:52:00	20.67	
10.00	90/01/30 11:53:00	20.07	558.00
11.00	90/01/30 11:54:00	20.43	
12.00	90/01/30 11:55:00	20.81	568.00
13.00	90/01/30 11:56:00	21.06	
14.00	90/01/30 11:57:00	21.13	
15.00	90/01/30 11:58:00	21.39	566.00
16.00	90/01/30 11:59:00	21.48	
17.00	90/01/30 12:00:00	21.78	569.00
18.00	90/01/30 12:01:00	21.48	568.00
19.00	90/01/30 12:02:00	21.89	
20.00	90/01/30 12:03:00	22.06	566.00
21.00	90/01/30 12:04:00	22.06	
22.00	90/01/30 12:05:00	22.32	566.00
23.00	90/01/30 12:06:00	22.11	
24.00	90/01/30 12:07:00	22.21	566.00
25.00	90/01/30 12:08:00	22.26	
26.00	90/01/30 12:09:00	22.44	566.00
27.00	90/01/30 12:10:00	22.49	
28.00	90/01/30 12:11:00	22.43	566.00
29.00	90/01/30 12:12:00	22.44	
30.00	90/01/30 12:13:00	22.42	566.00
31.00	90/01/30 12:14:00	22.42	
32.00	90/01/30 12:15:00	22.36	
33.00	90/01/30 12:16:00	20.97	
34.00	90/01/30 12:17:00	10.62	
35.00	90/01/30 12:18:00	9.85	
36.00	90/01/30 12:19:00	9.31	

TIME LOGS REPORT

Page 2

Date **TY/HR/CD hh:mm:ss.s**
90/01/30 11:45:00.0
 Well I.D. **NBC1**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HR/CD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
37.00	90/01/30 12:20:00	9.15	
38.00	90/01/30 12:21:00	9.03	
39.00	90/01/30 12:22:00	8.93	
40.00	90/01/30 12:23:00	8.71	
41.00	90/01/30 12:24:00	8.61	
42.00	90/01/30 12:25:00	8.51	
43.00	90/01/30 12:26:00	8.40	
44.00	90/01/30 12:27:00	8.34	
45.00	90/01/30 12:28:00	8.31	
46.00	90/01/30 12:29:00	8.11	
47.00	90/01/30 12:30:00	7.92	
48.00	90/01/30 12:31:00	7.63	
49.00	90/01/30 12:32:00	7.67	
50.00	90/01/30 12:33:00	7.56	
51.00	90/01/30 12:34:00	7.50	
52.00	90/01/30 12:35:00	7.46	
53.00	90/01/30 12:36:00	7.37	
54.00	90/01/30 12:37:00	7.34	
55.00	90/01/30 12:38:00	7.37	
56.00	90/01/30 12:39:00	7.18	
57.00	90/01/30 12:40:00	7.16	
58.00	90/01/30 12:41:00	7.10	
59.00	90/01/30 12:42:00	7.09	
60.00	90/01/30 12:43:00	7.01	
61.00	90/01/30 12:44:00	6.91	
62.00	90/01/30 12:45:00	6.90	
63.00	90/01/30 12:46:00	6.88	

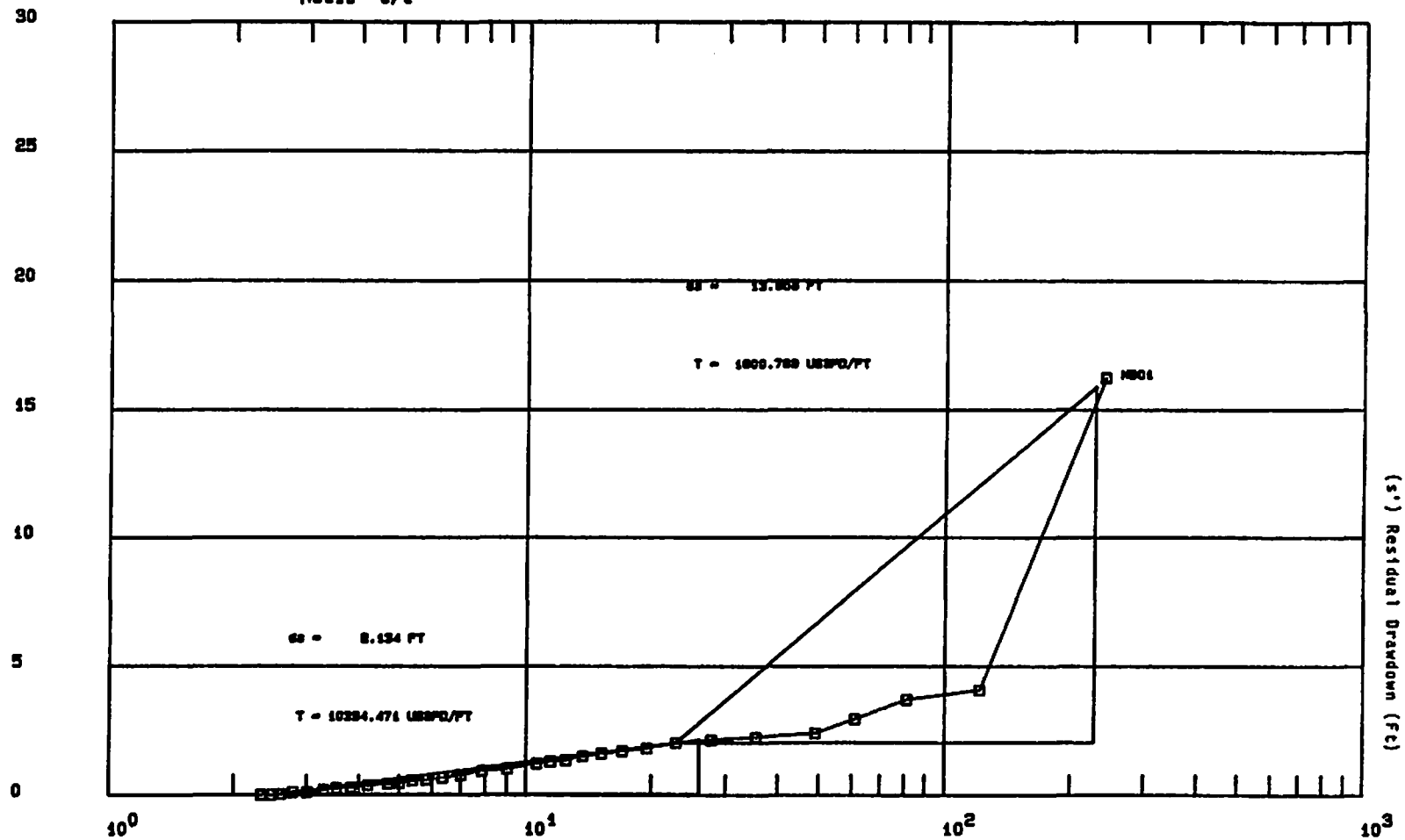
TIME LOGS REPORT

Page 3

Date **TY/HR/CD hh:mm:ss.s**
90/01/30 11:45:00.0
 Well I.D. **NBC1**
EDWARDS UNDERGROUND WATER DISTRICT

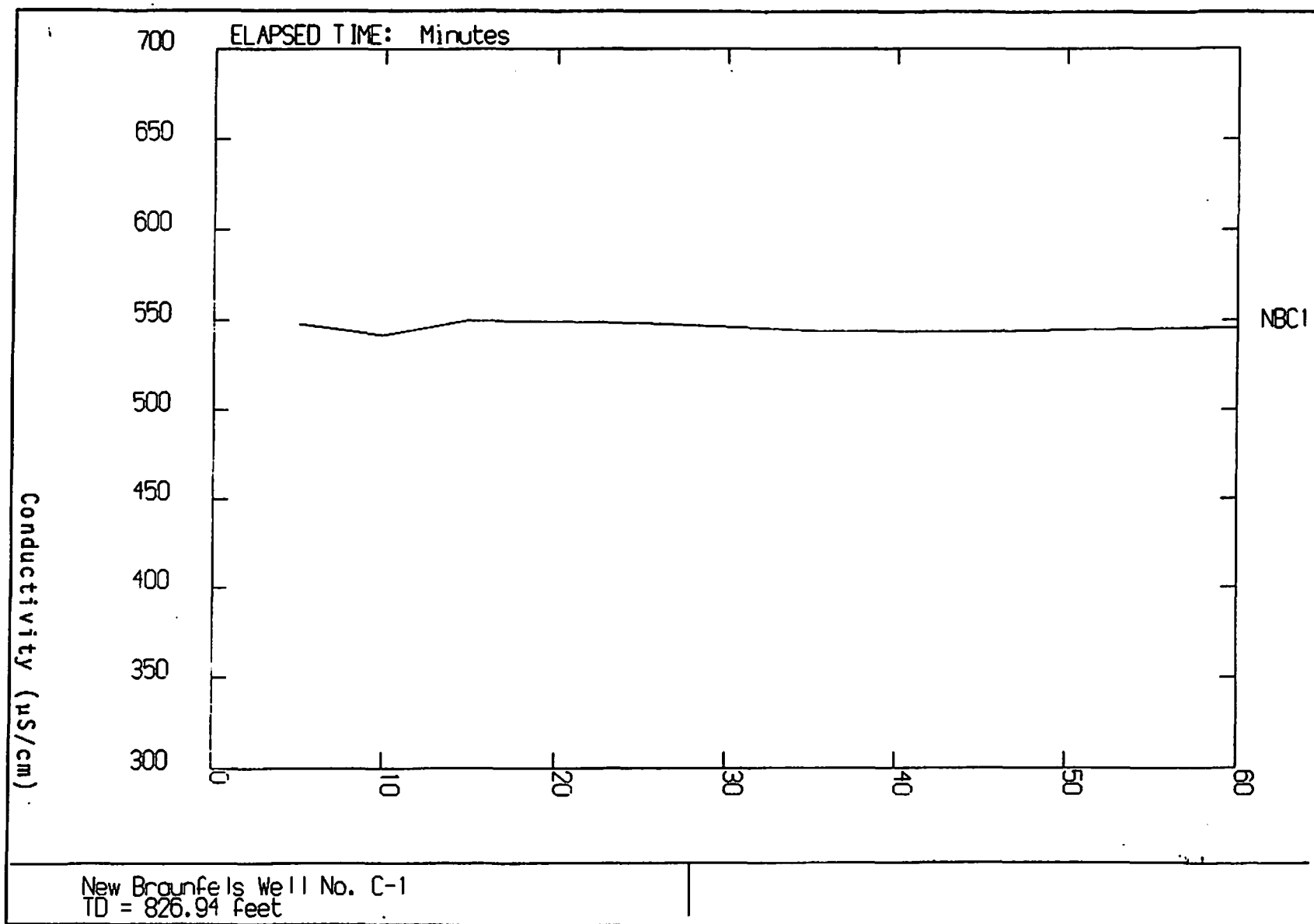
Elapsed MINUTES	TIME - Real TY/HR/CD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/01/30 11:45:00	
4.00	90/01/30 11:49:00	24.40
12.00	90/01/30 12:00:00	25.70
23.00	90/01/30 12:10:00	25.90
35.00	90/01/30 12:20:00	26.10
45.00	90/01/30 12:30:00	26.30
55.00	90/01/30 12:40:00	26.30
60.00	90/01/30 12:45:00	26.30
75.00	90/01/30 13:00:00	26.30
90.00	90/01/30 13:15:00	26.40
105.00	90/01/30 13:30:00	26.40
120.00	90/01/30 13:45:00	26.50
135.00	90/01/30 14:00:00	26.60
150.00	90/01/30 14:15:00	26.60
165.00	90/01/30 14:30:00	26.60
180.00	90/01/30 14:45:00	26.60
195.00	90/01/30 15:00:00	26.60
210.00	90/01/30 15:15:00	26.70
225.00	90/01/30 15:30:00	26.70
240.00	90/01/30 15:45:00	26.70

PUMPING TEST ANALYSIS Recovery

Ratio t/t' 

New Braunfels Well No. C-1
TD = 820.54 feet

50-foot Test



TIME LOG REPORT

Page 1

Date TT/MM/DD hh:mm:ss.0
90/02/01 10:35:00.0

Well I.D. HSC1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
8.00	90/02/01 10:35:00	7.01
10.00	90/02/01 10:45:00	26.47
18.00	90/02/01 10:55:00	20.52
22.00	90/02/01 10:58:00	
30.00	90/02/01 11:05:00	1929.00
36.00	90/02/01 11:15:00	20.71
40.00	90/02/01 11:25:00	19.90
50.00	90/02/01 11:25:00	19.97
52.00	90/02/01 11:27:00	
58.00	90/02/01 11:35:00	1932.00
61.00	90/02/01 11:36:00	1911.00
62.00	90/02/01 11:37:00	
63.00	90/02/01 11:38:00	13.39
64.00	90/02/01 11:39:00	9.40
65.00	90/02/01 11:39:00	8.97
67.00	90/02/01 11:40:00	8.77
67.00	90/02/01 11:42:00	8.99
69.00	90/02/01 11:44:00	8.33
71.00	90/02/01 11:46:00	8.19
73.00	90/02/01 11:48:00	8.09
75.00	90/02/01 11:50:00	7.91
80.00	90/02/01 11:53:00	7.73
85.00	90/02/01 12:00:00	7.53
90.00	90/02/01 12:03:00	7.47
95.00	90/02/01 12:10:00	7.39
100.00	90/02/01 12:15:00	7.34
105.00	90/02/01 12:20:00	7.30
110.00	90/02/01 12:25:00	7.25
115.00	90/02/01 12:30:00	7.19
120.00	90/02/01 12:35:00	7.07

TIME LOG REPORT

Page 2

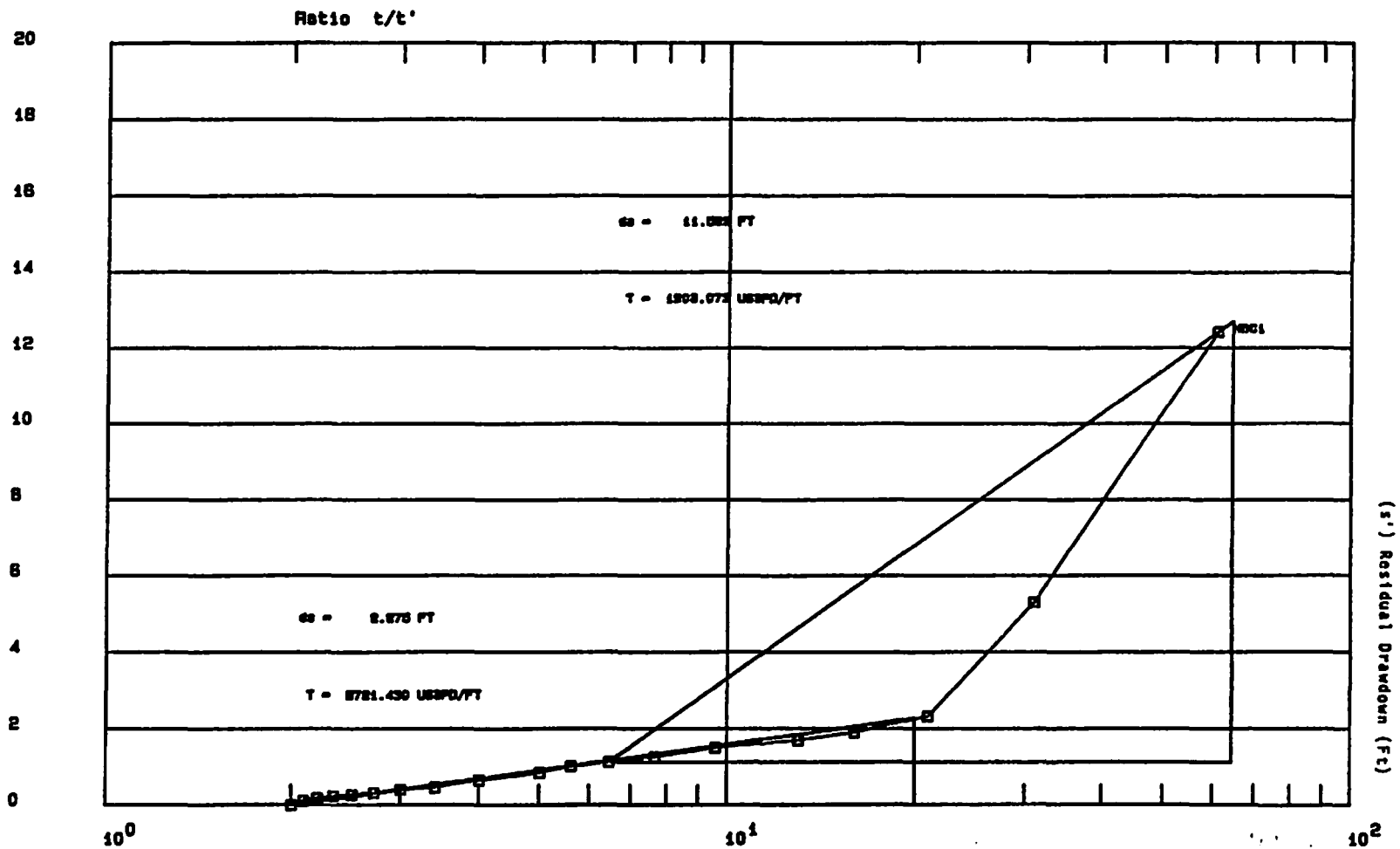
Date TT/MM/DD hh:mm:ss.0
90/02/01 10:35:00.0

Well I.D. HSC1

EDWARDS UNDERGROUND WATER DISTRICT

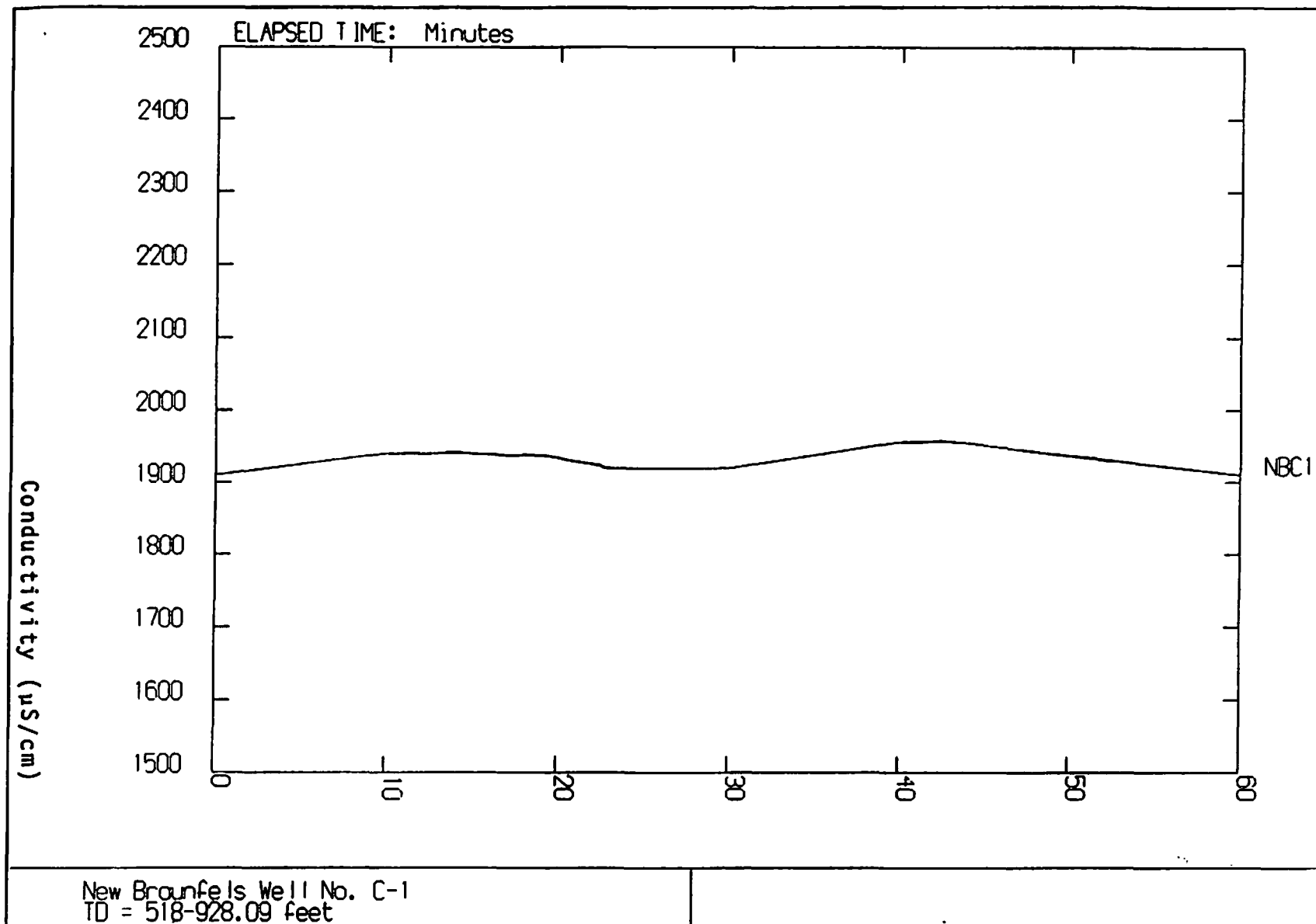
Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
8.00	90/02/01 10:35:00
10.00	90/02/01 10:45:00
18.00	90/02/01 10:55:00
22.00	90/02/01 10:58:00
30.00	90/02/01 11:05:00
36.00	90/02/01 11:15:00
40.00	90/02/01 11:25:00
50.00	90/02/01 11:25:00
52.00	90/02/01 11:27:00
58.00	90/02/01 11:35:00
61.00	90/02/01 11:36:00
62.00	90/02/01 11:37:00
63.00	90/02/01 11:38:00
64.00	90/02/01 11:39:00
65.00	90/02/01 11:39:00
67.00	90/02/01 11:40:00
67.00	90/02/01 11:42:00
69.00	90/02/01 11:44:00
71.00	90/02/01 11:46:00
73.00	90/02/01 11:48:00
75.00	90/02/01 11:50:00
80.00	90/02/01 11:53:00
85.00	90/02/01 12:00:00
90.00	90/02/01 12:03:00
95.00	90/02/01 12:10:00
100.00	90/02/01 12:15:00
105.00	90/02/01 12:20:00
110.00	90/02/01 12:25:00
115.00	90/02/01 12:30:00
120.00	90/02/01 12:35:00

PUMPING TEST ANALYSIS Recovery



New Braunfels Well No. C-1
TD = 928.02 feet

Packer Test/Interval = 818-928.02 feet



TIME LOGS REPORT

Page 1

Date TT/HH/DD hh:mm:ss.s
 00/02/01 16:15:00.0
 Well I.D. WBC1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/02/01 16:15:00	7.13	
1.00	00/02/01 16:16:00		2190.00
12.00	00/02/01 16:22:00	19.14	2190.00
20.00	00/02/01 16:28:00	19.23	2184.00
30.00	00/02/01 16:38:00	19.40	2184.00
40.00	00/02/01 16:48:00	19.27	2195.00
50.00	00/02/01 17:03:00	19.30	2182.00
60.00	00/02/01 17:13:00	19.25	2200.00
61.00	00/02/01 17:14:00	16.32	
62.00	00/02/01 17:17:00	10.61	
63.00	00/02/01 17:18:00		
64.00	00/02/01 17:19:00	9.64	
65.00	00/02/01 17:20:00	9.26	
66.00	00/02/01 17:21:00	9.04	
67.00	00/02/01 17:22:00	8.65	
69.00	00/02/01 17:24:00	8.40	
71.00	00/02/01 17:26:00	8.35	
73.00	00/02/01 17:28:00	8.21	
75.00	00/02/01 17:29:00	8.10	
80.00	00/02/01 17:35:00	7.77	
85.00	00/02/01 17:40:00	7.74	
90.00	00/02/01 17:45:00	7.56	
95.00	00/02/01 17:50:00	7.47	
100.00	00/02/01 17:55:00	7.37	
105.00	00/02/01 18:00:00	7.31	
110.00	00/02/01 18:05:00	7.25	
115.00	00/02/01 18:10:00	7.19	
120.00	00/02/01 18:15:00	7.15	

TIME LOGS REPORT

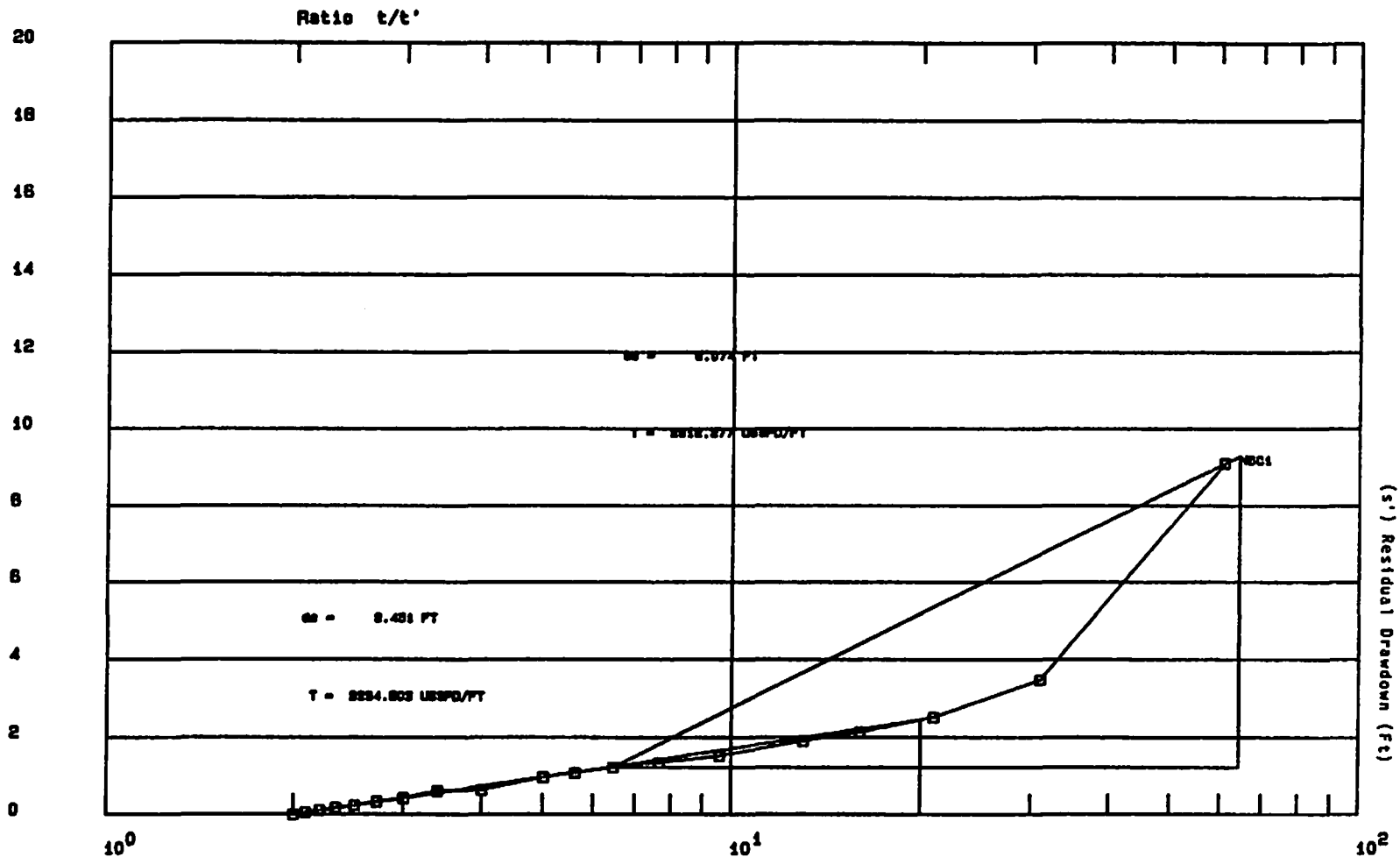
Page 2

Date TT/HH/DD hh:mm:ss.s
 00/02/01 16:15:00.0
 Well I.D. WBC1

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/02/01 16:15:00	
1.00	00/02/01 16:16:00	26.20
12.00	00/02/01 16:22:00	26.20
20.00	00/02/01 16:28:00	26.20
30.00	00/02/01 16:38:00	26.00
40.00	00/02/01 16:48:00	26.10
50.00	00/02/01 17:03:00	26.10
60.00	00/02/01 17:13:00	26.10

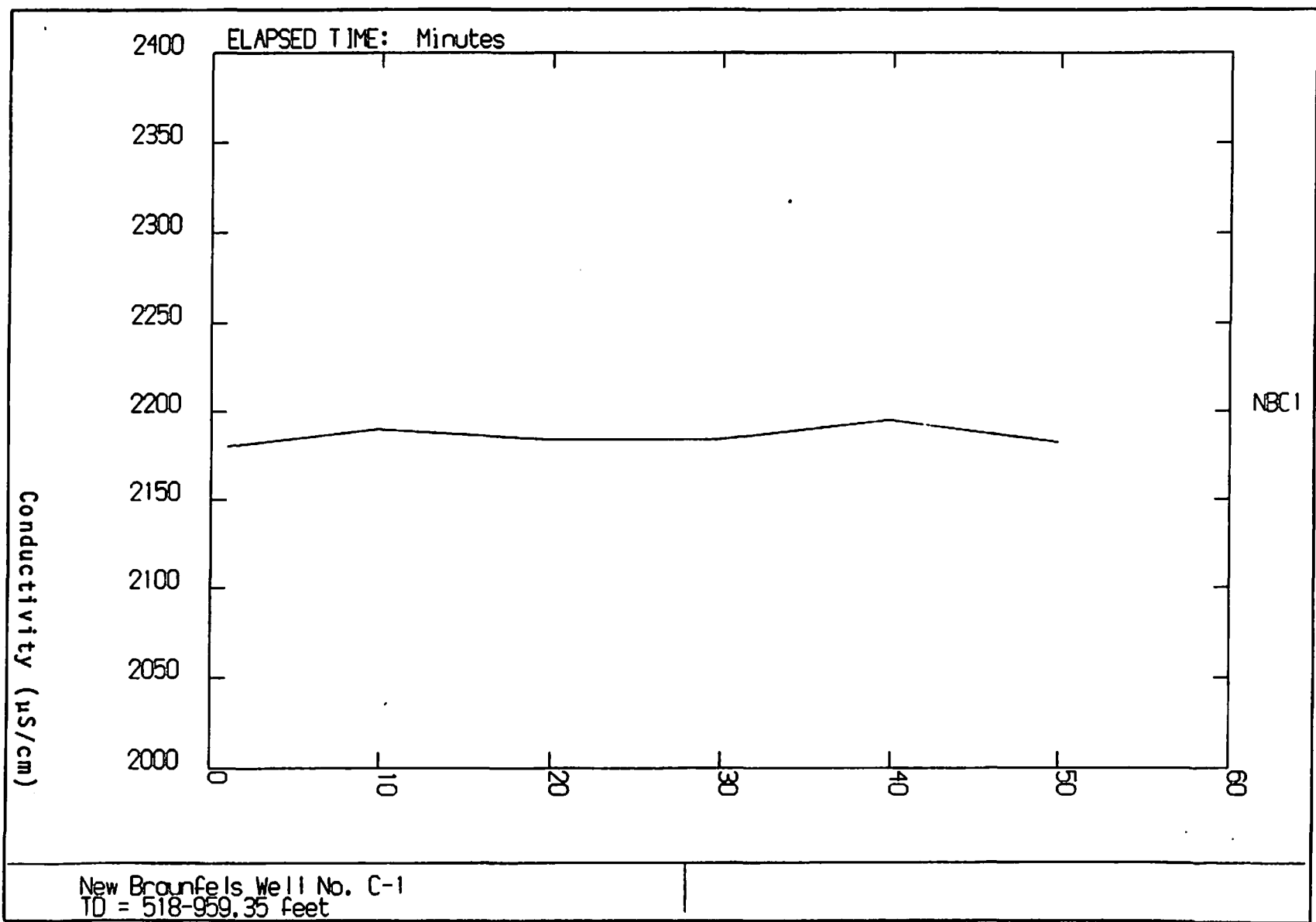
PUMPING TEST ANALYSIS Recovery



New Braunfels Well No. C-1
TD = 959.35 feet

Packer Test/Interval = 918-959.35 feet

I-97



TIME LOGS REPORT				Page 1
Date TY/RN/SD dh:mm:ss.s 90/03/02 11:00:00.0 Well I.D. NBC1 EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed - TIME - Seal MINUTES TY/RN/SD dh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)		
0.00 90/03/02 11:00:00	6.94			
7.00 90/03/02 11:15:00	6.94			
8.00 90/03/02 11:18:00	9.32			
9.00 90/03/02 11:17:00	20.11			
10.00 90/03/02 11:18:00	20.30			
11.00 90/03/02 11:19:00	20.38			
12.00 90/03/02 11:20:00	20.52	509.00		
13.00 90/03/02 11:21:00	20.56			
14.00 90/03/02 11:22:00	20.61			
15.00 90/03/02 11:23:00	20.64			
16.00 90/03/02 11:24:00	20.80			
17.00 90/03/02 11:25:00	20.79	629.00		
18.00 90/03/02 11:26:00	21.29			
19.00 90/03/02 11:28:00	24.21			
22.00 90/03/02 11:30:00	27.74	1325.00		
24.00 90/03/02 11:32:00	28.47			
26.00 90/03/02 11:34:00	29.32			
27.00 90/03/02 11:35:00	29.15	2648.00		
28.00 90/03/02 11:36:00	29.40			
30.00 90/03/02 11:38:00	29.93			
32.00 90/03/02 11:40:00	29.94			
37.00 90/03/02 11:45:00	30.18	3776.00		
42.00 90/03/02 11:50:00	30.36			
47.00 90/03/02 11:53:00	30.21	3972.00		
52.00 90/03/02 12:00:00	30.51			
57.00 90/03/02 12:05:00	30.71	4602.00		
62.00 90/03/02 12:10:00	30.75			
67.00 90/03/02 12:15:00	30.92	4150.00		
77.00 90/03/02 12:25:00	31.68	4168.00		
87.00 90/03/02 12:35:00	31.39	4176.00		
97.00 90/03/02 12:45:00	31.34	4214.00		
107.00 90/03/02 12:55:00	31.40			
112.00 90/03/02 13:00:00	31.40	4214.00		
117.00 90/03/02 13:05:00	31.59	4218.00		
127.00 90/03/02 13:15:00	31.63	4190.00		
137.00 90/03/02 13:25:00	31.75	4190.00		
147.00 90/03/02 13:35:00	31.75	4190.00		
157.00 90/03/02 13:45:00	31.77	4198.00		
167.00 90/03/02 13:55:00	31.79	4198.00		
181.00 90/03/02 14:09:00	31.87	4204.00		
TIME LOGS REPORT				Page 2
Date TY/RN/SD dh:mm:ss.s 90/03/02 11:00:00.0 Well I.D. NBC1 EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed - TIME - Seal MINUTES TY/RN/SD dh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)		
307.00 90/03/02 17:45:00	6.87			
407.00 90/03/02 17:55:00	6.81			
417.00 90/03/02 18:05:00	6.76			
427.00 90/03/02 18:15:00	6.73			
1207.00 90/03/02 07:15:00	5.65			
TIME LOGS REPORT				Page 3
Date TY/RN/SD dh:mm:ss.s 90/03/02 11:00:00.0 Well I.D. NBC1 EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed - TIME - Seal MINUTES TY/RN/SD dh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)		
0.00 90/03/02 11:00:00				
15.00 90/03/02 11:15:00	25.00			
17.00 90/03/02 11:20:00	25.60			
22.00 90/03/02 11:30:00	25.80			
27.00 90/03/02 11:35:00	26.00			
37.00 90/03/02 11:45:00	26.20			
47.00 90/03/02 11:55:00	26.40			
57.00 90/03/02 12:05:00	26.50			
67.00 90/03/02 12:15:00	26.60			
77.00 90/03/02 12:25:00	26.70			
87.00 90/03/02 12:35:00	26.80			
97.00 90/03/02 12:45:00	26.80			
112.00 90/03/02 13:00:00	26.80			
117.00 90/03/02 13:05:00	26.90			
127.00 90/03/02 13:15:00	27.00			
137.00 90/03/02 13:25:00	27.00			
147.00 90/03/02 13:35:00	27.00			
157.00 90/03/02 13:45:00	27.00			
167.00 90/03/02 13:55:00	27.00			
181.00 90/03/02 14:09:00	27.10			
187.00 90/03/02 14:15:00	27.10			
197.00 90/03/02 14:25:00	27.10			
207.00 90/03/02 14:35:00	27.20			
217.00 90/03/02 14:45:00	27.20			
227.00 90/03/02 14:55:00	27.10			
237.00 90/03/02 15:05:00	27.10			
247.00 90/03/02 15:15:00	27.10			
TIME LOGS REPORT				Page 4
Date TY/RN/SD dh:mm:ss.s 90/03/02 11:00:00.0 Well I.D. NBC1 EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed - TIME - Seal MINUTES TY/RN/SD dh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)		
187.00 90/03/02 14:15:00	31.49	4210.00		
197.00 90/03/02 14:25:00	31.55	4216.00		
207.00 90/03/02 14:35:00	31.97	4220.00		
217.00 90/03/02 14:45:00	31.94	4220.00		
227.00 90/03/02 14:55:00	31.99	4216.00		
237.00 90/03/02 15:05:00	32.01	4216.00		
247.00 90/03/02 15:15:00	32.04	4216.00		
264.00 90/03/02 15:16:00	14.47			
269.00 90/03/02 15:17:00	13.65			
280.00 90/03/02 15:18:00	13.31			
281.00 90/03/02 15:19:00	12.74			
283.00 90/03/02 15:20:00	12.52			
283.00 90/03/02 15:21:00	12.34			
284.00 90/03/02 15:22:00	12.09			
285.00 90/03/02 15:23:00	12.02			
286.00 90/03/02 15:24:00	11.84			
287.00 90/03/02 15:25:00	11.72			
288.00 90/03/02 15:26:00	11.43			
289.00 90/03/02 15:28:00	11.43			
292.00 90/03/02 15:30:00	11.24			
294.00 90/03/02 15:32:00	11.10			
296.00 90/03/02 15:34:00	10.96			
298.00 90/03/02 15:36:00	10.87			
299.00 90/03/02 15:38:00	10.77			
272.00 90/03/02 15:48:00	10.67			
277.00 90/03/02 15:49:00	10.51			
282.00 90/03/02 15:50:00	10.25			
287.00 90/03/02 15:53:00	10.09			
292.00 90/03/02 16:00:00	9.97			
297.00 90/03/02 16:05:00	9.84			
302.00 90/03/02 16:10:00	9.80			
307.00 90/03/02 16:15:00	9.66			
317.00 90/03/02 16:25:00	9.53			
327.00 90/03/02 16:35:00	9.39			
337.00 90/03/02 16:45:00	9.25			
347.00 90/03/02 16:55:00	9.20			
357.00 90/03/02 17:05:00	9.15			
367.00 90/03/02 17:15:00	9.04			
377.00 90/03/02 17:25:00	9.36			
387.00 90/03/02 17:35:00	8.93			

PUMPING TEST ANALYSIS Recovery

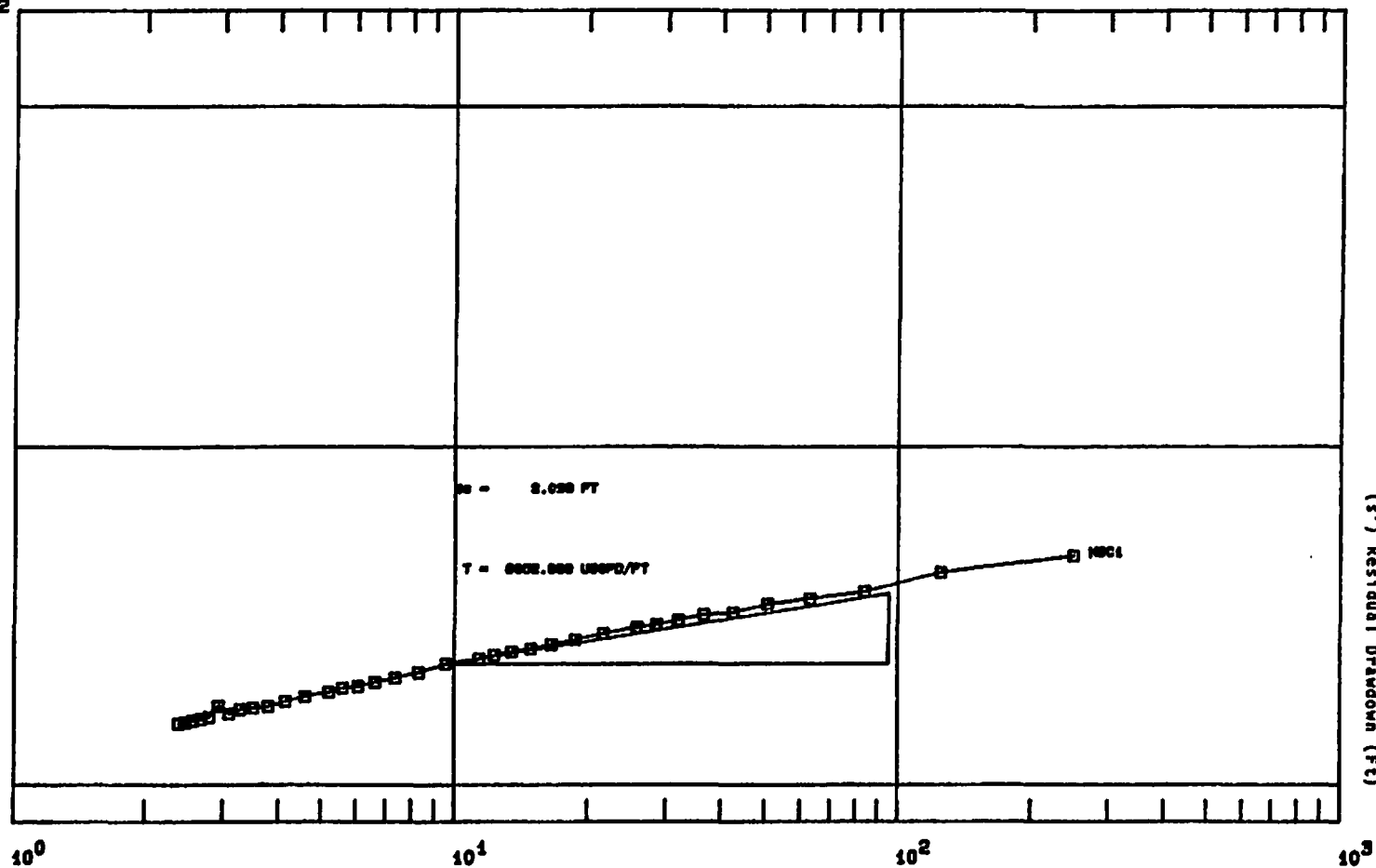
Ratio t/t'

22.82312

20

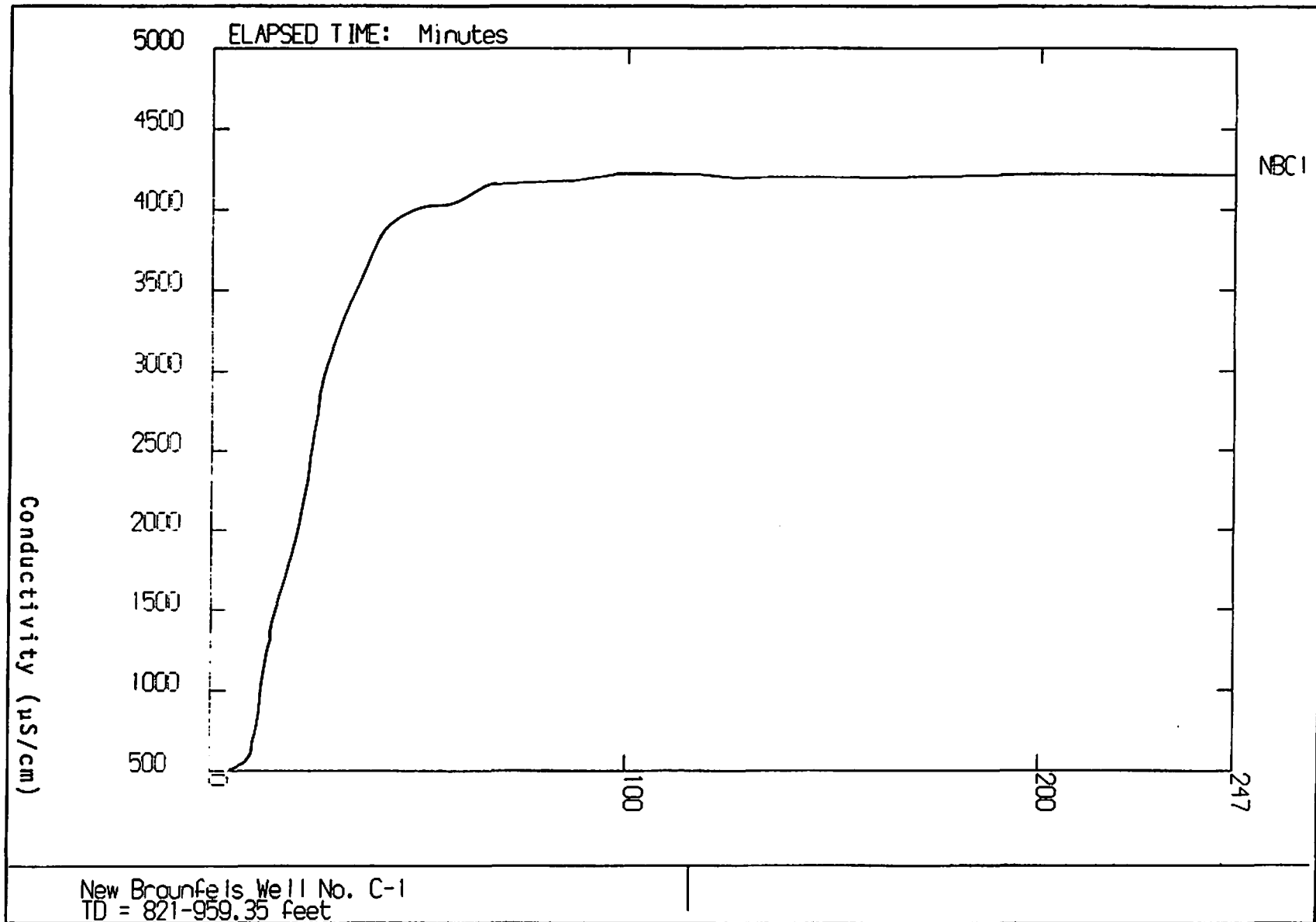
10

0



New Braunfels Well No. C-1
TD = 889.35 feet

Packer Test/Interval = 821-889.35 feet



CONDUCTIVITY METER CALIBRATIONS AND CONDUCTIVITY VALUES
COLLECTED AT THE END OF EACH PUMP/AIR-LIFT TEST
FOR SAN MARCOS

Conductivity Meter Calibrations

Date/Time	Sample Number (If Collected)	Standard Readings ($\mu\text{S}/\text{cm}$)	Metered Readings ($\mu\text{S}/\text{cm}$)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature $^{\circ}\text{C}$
Well B					
90/06/22 13:44	-	14,310/5,330	14,600/5,260	13,440(N)	29.0
90/06/23 13:29	1	1,005/14,310/5,330	9,637/14,438/5,272	13,000(C)	27.0
90/06/24 08:20	-	1,864/5,330/3,190/14,310	1,840/5,215/3,075/14,490	12,420(N)	28.0
90/06/25 14:25	2	5,330/14,310	5,212/14,550	14,400(C)	26.0
90/06/27 09:20	-	14,310/5,330	14,440/5,330	14,370(N)	25.0
90/06/28 07:00	4	14,310/5,330	14,600/5,265	14,680(C)	26.0
90/06/29 09:20	-	14,310/5,330	14,360/5,280	14,580(N)	25.0
90/06/29 16:00	-	14,310/5,330	14,360/5,280	14,580(N)	25.0
90/06/30 10:00	-	14,310/5,330	14,400/5,240	14,410(N)	26.0
90/07/01 09:20	5	14,310/5,330	14,610/5,271	14,400(C)	27.0
90/07/02 07:51	6	14,310/5,330	14,680/5,264	14,500(C)	26.8

Well C

90/07/19 23:05	-	573/1,005/5,330/14,310	566/980.2/5,273/14,530	13,090(N)	24.8
90/07/20 05:00	7	8,650/14,310	8,590/14,550	13,000(C)	24.7
90/07/20 13:30	-	8,650/14,310	8,590/14,550	13,300(N)	26.5
90/07/21 04:20	8	14,310/8,650	14,550/8,595	14,300(C)	26.5
90/07/21 22:45	-	14,310/8,650	14,550/8,595	14,020(N)	26.5
90/07/21 17:25	-	14,310/8,650	14,550/8,595	14,020(N)	25.8
90/07/23 01:15	-	14,310/8,650	14,400/8,475	14,400(N)	25.5
90/07/23 09:30	-	14,310/8,650	14,400/8,475	14,400(N)	26.0
90/07/23 15:00	-	14,310/8,650	14,400/8,475	14,380(N)	26.0
90/07/24 13:20	10	14,310/8,650	14,440/8,478	14,710(C)	26.5
90/07/24 03:55	-	14,310/8,650	14,440/8,478	14,400(N)	26.5
90/07/26 13:30	11	8,650/14,310	8,551/14,300	14,500(C)	26.5

Well D

92/02/20 16:30	14	6,668/1,000/12,630	6,232/996.2/10,540	16,405(C)	25.8
92/02/25 08:10	15	1,000/6,668/12,630	999.8/6,305/10,800	14,080(C)	25.3
92/02/27 10:30	16	6,668/12,630	6,415/10,600	12,356(C)	25.5
92/02/28 13:15	-	1,000/6,668/12,630	1,005/6,130/10,630	11,230(N)	25.5
92/02/29 14:00	17	1,000/6,668/12,630	1,019.4/6,229/10,000	13,438(C)	26.0
92/03/02 11:00	18	1,000/6,668/12,630	1,014/6,282/13,420	12,687(C)	25.5

Note: C=corrected

N=not corrected

/=divides multiple standards or readings

TIME LOGS REPORT

Page 1

Date **TY/HH/SS hh:mm:ss.s**
90/06/22 13:44:00.0
Well I.D. **ENS**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/SS hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/06/22 13:44:00	14.00	
5.00	90/06/22 13:52:00		723.50
10.00	90/06/22 14:02:00	96.00	7145.00
15.00	90/06/22 14:12:00		11600.00
20.00	90/06/22 14:20:00	101.00	
25.00	90/06/22 14:28:00		13000.00
30.00	90/06/22 14:35:00	101.00	
35.00	90/06/22 14:42:00		13440.00
40.00	90/06/22 14:49:00	101.00	
45.00	90/06/22 14:52:00	100.00	
50.00	90/06/22 14:58:00	100.00	
55.00	90/06/22 15:04:00	99.25	
60.00	90/06/22 15:12:00	92.00	
65.00	90/06/22 15:18:00	92.70	
70.00	90/06/22 15:24:00	81.20	
75.00	90/06/22 15:35:00	77.40	
80.00	90/06/22 15:45:00	72.25	
85.00	90/06/22 15:57:00	70.00	
90.00	90/06/22 16:08:00	69.95	
95.00	90/06/22 16:18:00	64.40	
100.00	90/06/22 16:28:00	59.44	
105.00	90/06/22 16:38:00	54.11	
110.00	90/06/22 16:48:00	48.50	
115.00	90/06/22 16:58:00	44.55	
120.00	90/06/22 17:08:00	38.20	
125.00	90/06/22 17:18:00	32.80	
130.00	90/06/22 17:28:00	23.90	
135.00	90/06/22 17:38:00	18.05	
140.00	90/06/22 17:48:00	14.00	

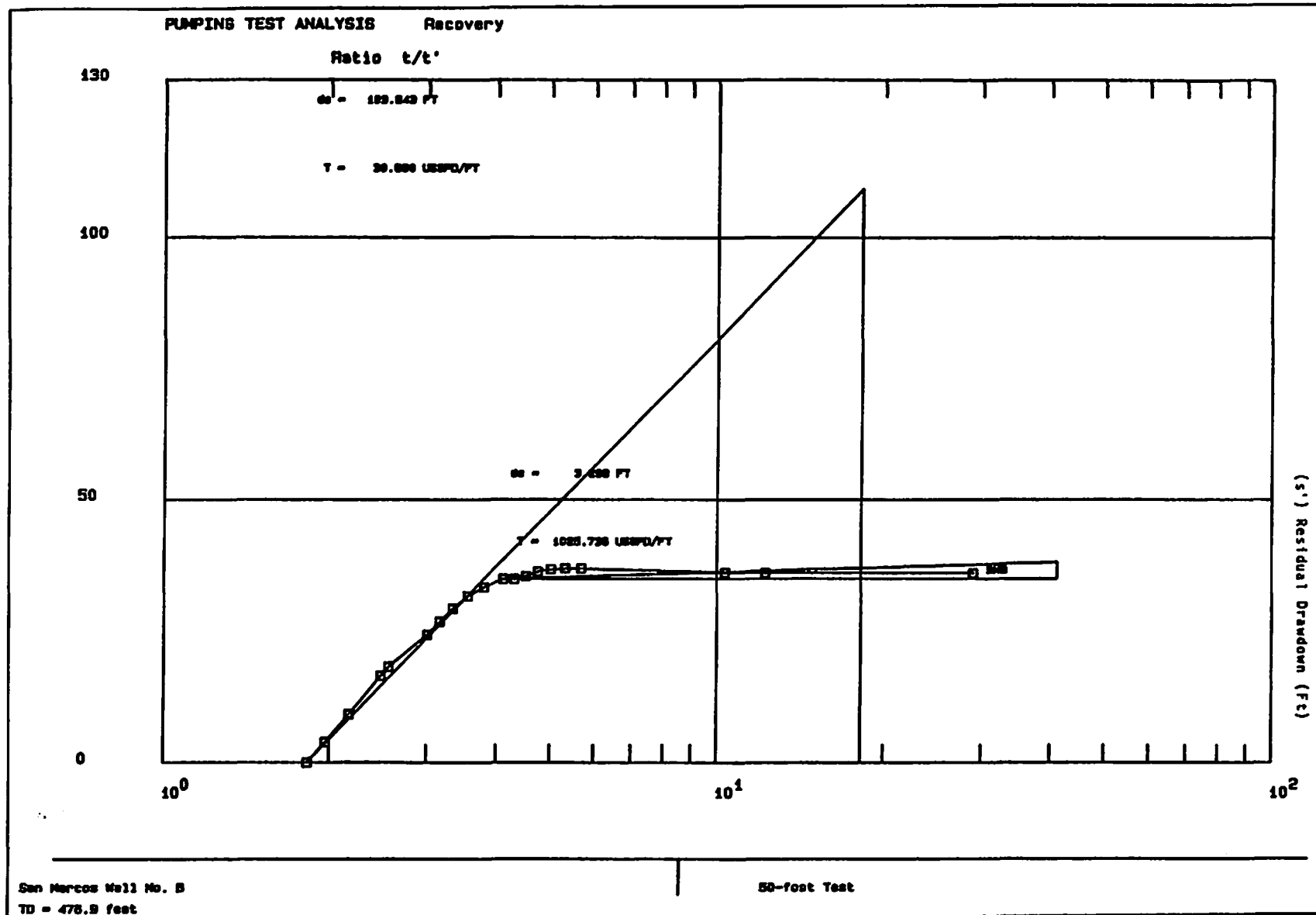
TIME LOGS REPORT

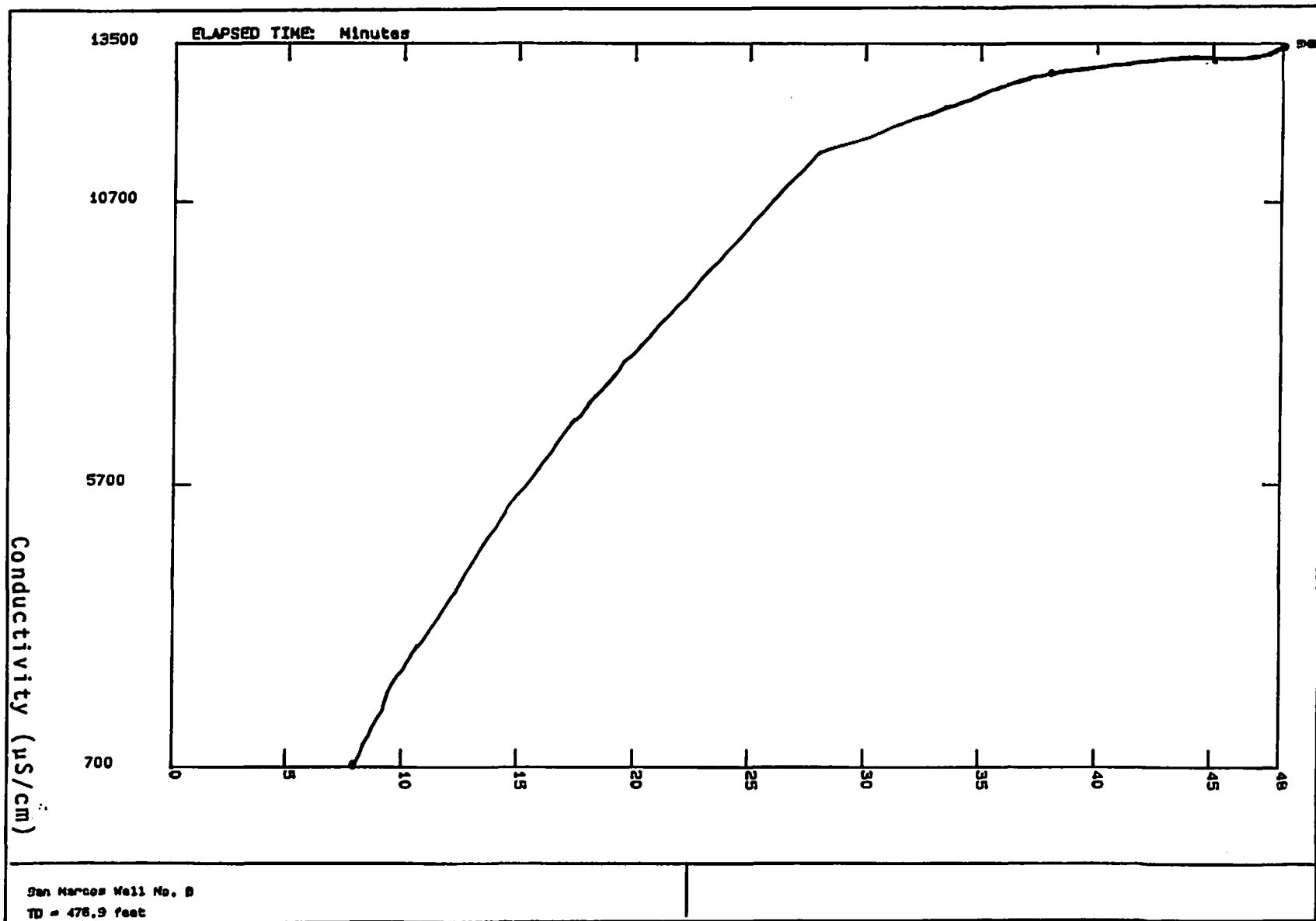
Page 2

Date **TY/HH/SS hh:mm:ss.s**
90/06/22 13:44:00.0
Well I.D. **ENS**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HH/SS hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/06/22 13:44:00	
5.00	90/06/22 13:52:00	29.00
10.00	90/06/22 14:02:00	29.00
15.00	90/06/22 14:12:00	29.00
20.00	90/06/22 14:22:00	29.00
25.00	90/06/22 14:32:00	29.00
30.00	90/06/22 14:42:00	28.50





TIME LOGS REPORT

Page 1

TT/HH/DO hh:mm:ss.s
 Date 00/00/23 13:29:00.0
 Well I.D. SWS
 EDWARDS UNDERGROUND WATER DISTRICT

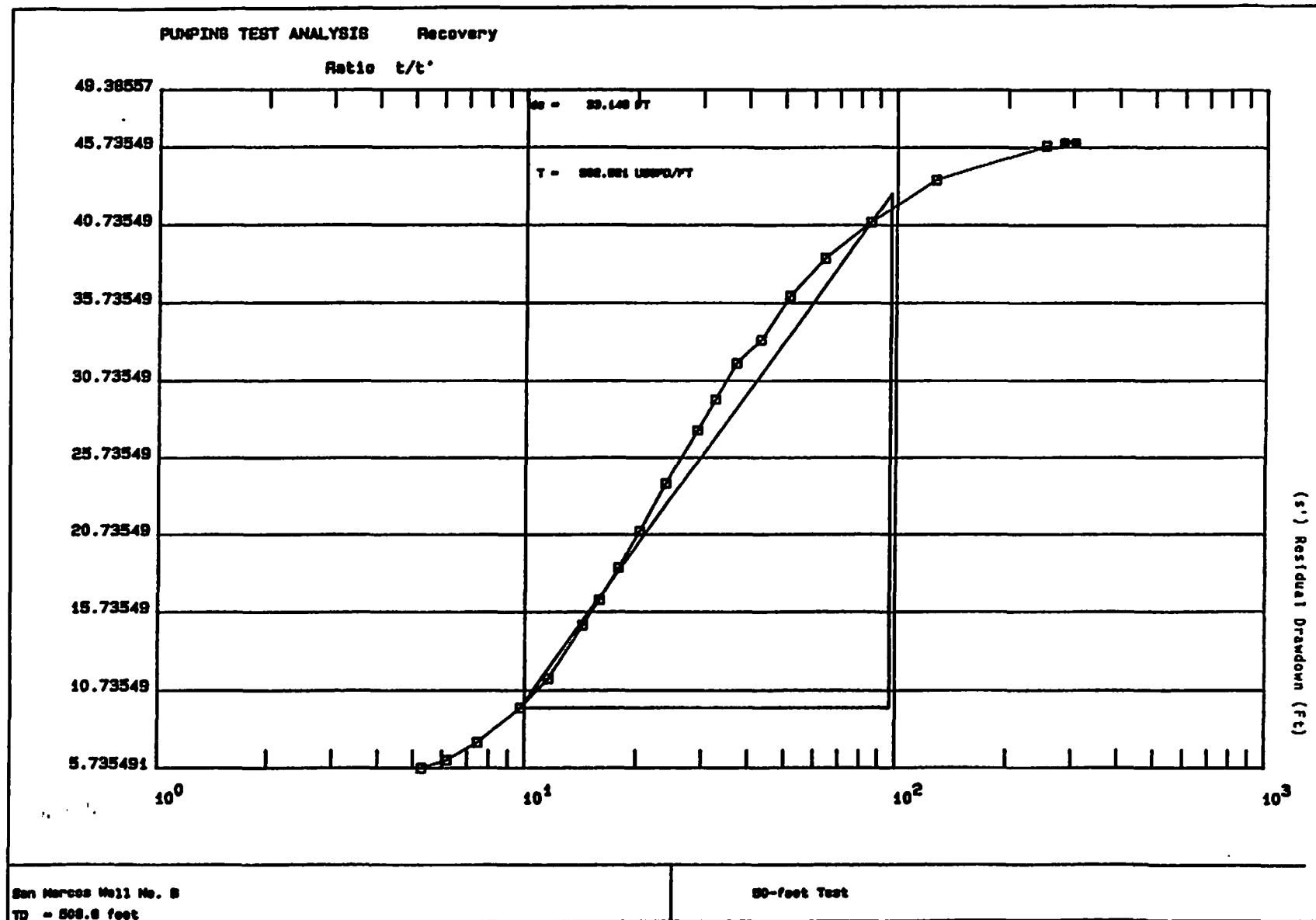
Elapsed - TIME - Seal MINUTES TT/HH/DO hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 00/00/23 13:29:00	72.85	
101.00 00/00/23 16:10:00	72.95	10756.00
211.00 00/00/23 17:00:00	70.65	
221.00 00/00/23 17:10:00	79.30	12120.00
231.00 00/00/23 17:20:00	81.02	13100.00
241.00 00/00/23 17:30:00	81.30	13500.00
249.00 00/00/23 17:34:00	81.20	13650.00
252.00 00/00/23 17:41:00	79.15	13730.00
253.00 00/00/23 17:42:00	69.90	
254.00 00/00/23 17:43:00	64.10	
255.00 00/00/23 17:44:00	50.10	
256.00 00/00/23 17:45:00	52.35	
257.00 00/00/23 17:46:00	49.10	
258.00 00/00/23 17:47:00	44.30	
259.00 00/00/23 17:48:00	41.85	
260.00 00/00/23 17:49:00	38.25	
261.00 00/00/23 17:50:00	35.20	
263.00 00/00/23 17:52:00	30.47	
265.00 00/00/23 17:54:00	26.40	
267.00 00/00/23 17:56:00	23.43	
269.00 00/00/23 17:58:00	20.64	
272.00 00/00/23 18:00:00	18.90	
276.00 00/00/23 18:05:00	15.00	
281.00 00/00/23 18:10:00	12.92	
291.00 00/00/23 18:20:00	10.50	
301.00 00/00/23 18:30:00	9.30	
311.00 00/00/23 18:40:00	8.75	

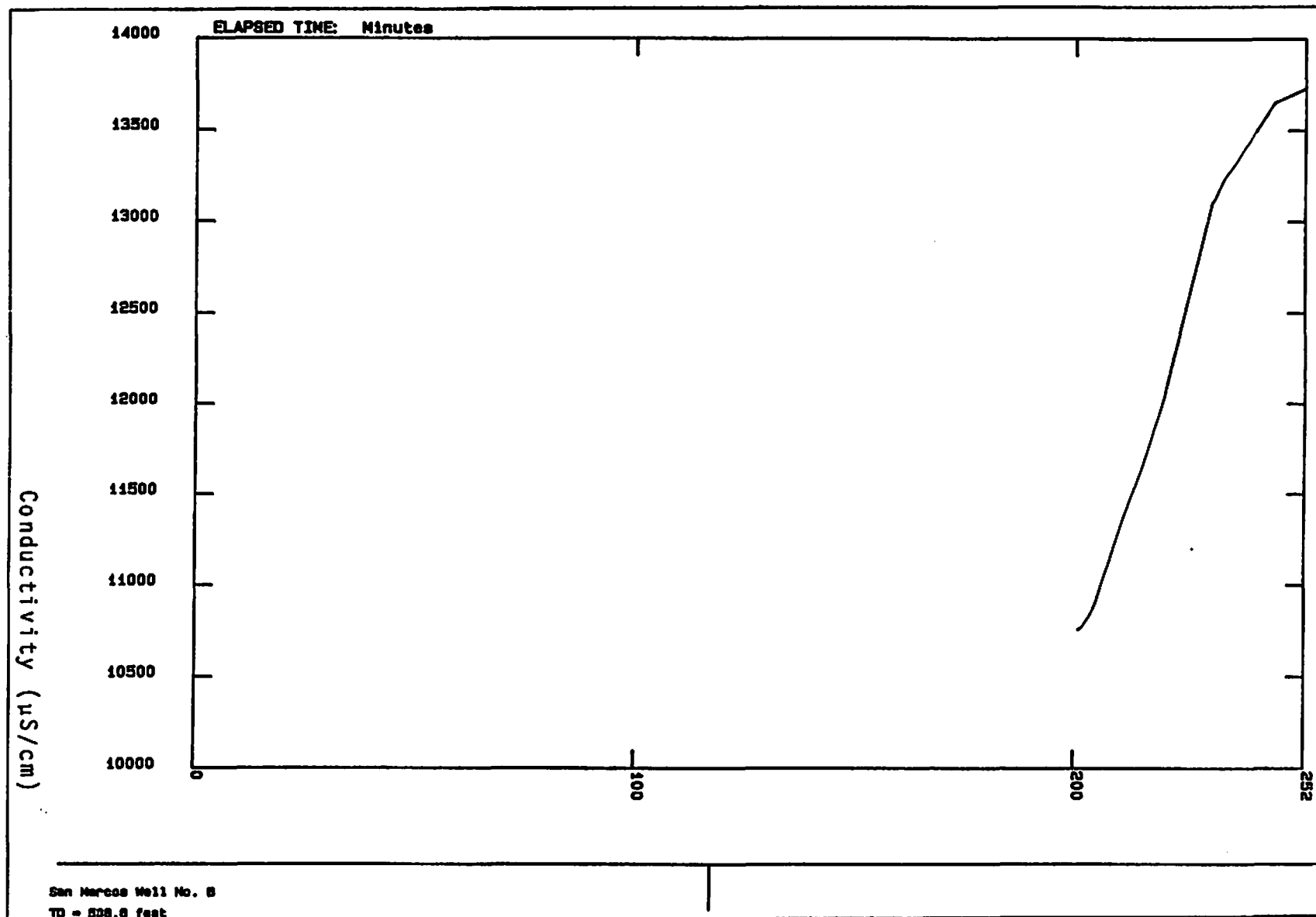
TIME LOGS REPORT

Page 2

TT/HH/DO hh:mm:ss.s
 Date 00/00/23 13:29:00.0
 Well I.D. SWS
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Seal MINUTES TT/HH/DO hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 00/00/23 13:29:00	
201.00 00/00/23 16:10:00	28.00
221.00 00/00/23 17:10:00	27.30
231.00 00/00/23 17:20:00	27.00
241.00 00/00/23 17:30:00	27.00
249.00 00/00/23 17:34:00	26.50
253.00 00/00/23 17:42:00	27.00





TIME LOGS REPORT

Page 1

Date **YY/MM/DD hh:mm:ss.s**
90/06/24 08:20:00.0

Well I.D. **SNB**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/06/24 08:20:00	4.30	
310.00	90/06/24 13:20:00		4240.00
315.00	90/06/24 13:25:00		4250.00
320.00	90/06/24 13:40:00	54.95	4955.00
325.00	90/06/24 13:45:00		6085.00
330.00	90/06/24 13:50:00	67.24	7804.00
340.00	90/06/24 14:00:00	68.30	10650.00
350.00	90/06/24 14:10:00	68.80	12010.00
360.00	90/06/24 14:20:00	69.18	12660.00
370.00	90/06/24 14:30:00	69.40	12420.00
371.00	90/06/24 14:31:00	62.75	
372.00	90/06/24 14:32:00	59.16	
373.00	90/06/24 14:33:00	45.00	
374.00	90/06/24 14:34:00	42.64	
375.00	90/06/24 14:35:00	35.20	
376.00	90/06/24 14:36:00	35.10	
377.00	90/06/24 14:37:00	32.43	
378.00	90/06/24 14:38:00	29.48	
379.00	90/06/24 14:39:00	26.00	
380.00	90/06/24 14:40:00	24.00	
382.00	90/06/24 14:42:00	20.61	
384.00	90/06/24 14:44:00	17.67	
386.00	90/06/24 14:46:00	15.26	
388.00	90/06/24 14:48:00	13.48	
390.00	90/06/24 14:50:00	11.87	
392.00	90/06/24 14:52:00	10.32	
400.00	90/06/24 15:00:00	9.18	
410.00	90/06/24 15:10:00	7.48	
420.00	90/06/24 15:20:00	6.80	
430.00	90/06/24 15:30:00	6.34	

TIME LOGS REPORT

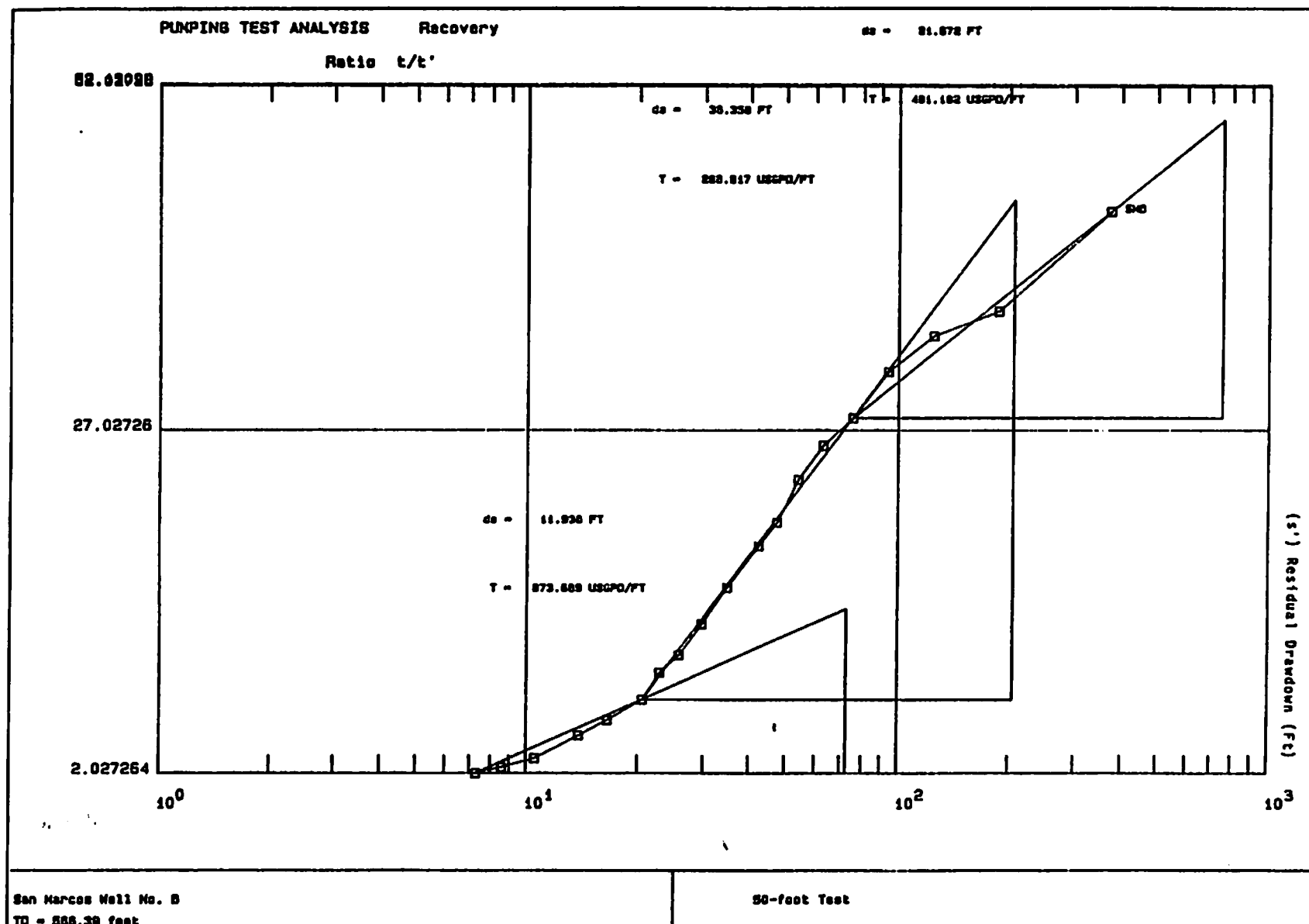
Page 2

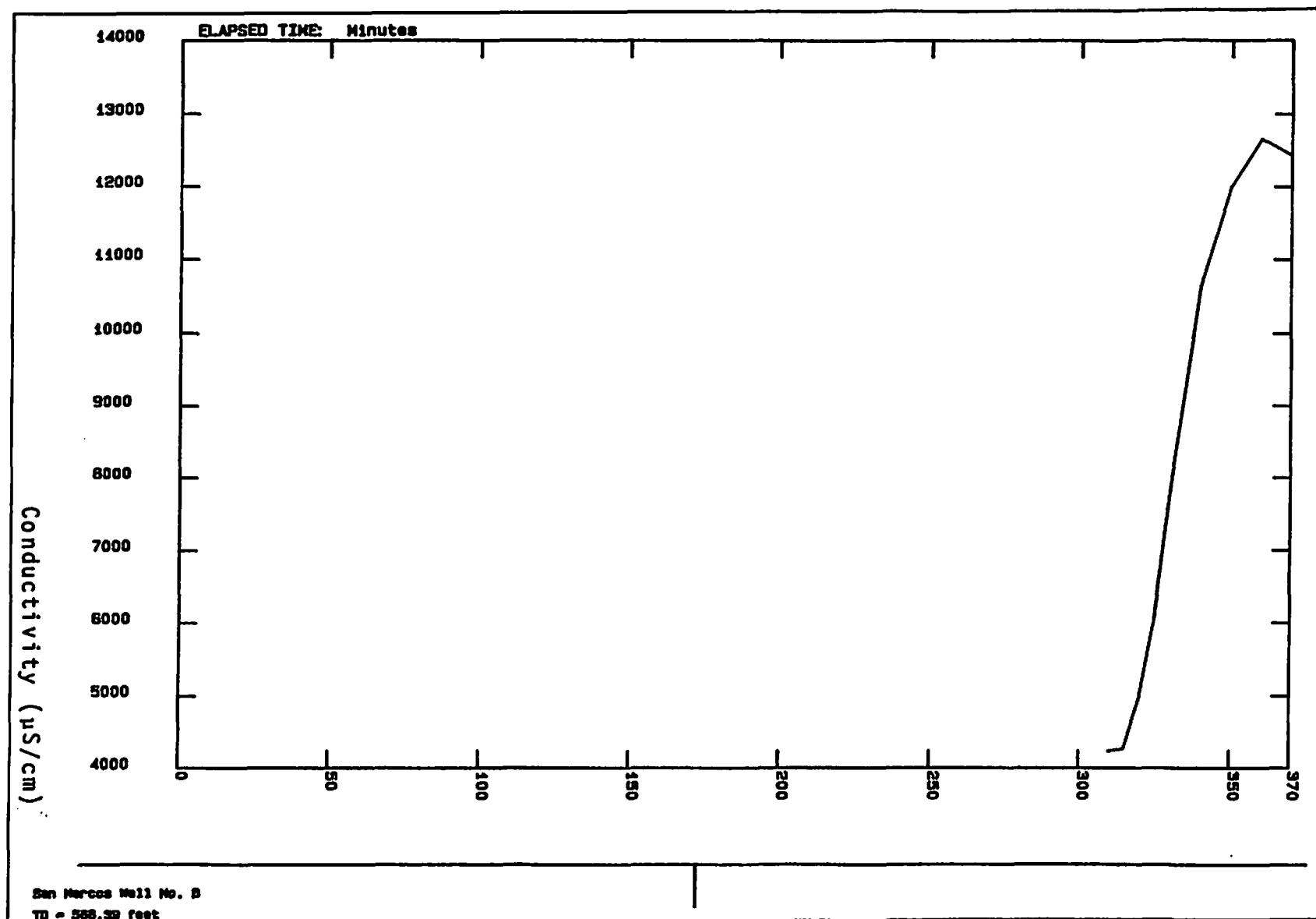
Date **YY/MM/DD hh:mm:ss.s**
90/06/24 08:20:00.0

Well I.D. **SNB**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/06/24 08:20:00	
310.00	90/06/24 13:20:00	30.00
315.00	90/06/24 13:25:00	30.00
320.00	90/06/24 13:40:00	30.00
325.00	90/06/24 13:45:00	30.00
330.00	90/06/24 13:50:00	29.50
340.00	90/06/24 14:00:00	29.00
350.00	90/06/24 14:10:00	28.60
360.00	90/06/24 14:20:00	28.00
370.00	90/06/24 14:30:00	28.00





TIME LOGS REPORT Page 1

TY/NN/DD hh:mm:ss.s
Date 00/06/23 14:23:00.0
Well I.D. SHS

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/NN/DD hh:mm:ss	WATER LEVEL (Foot below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 00/06/23 14:23:00	2.10	
5.00 00/06/23 14:28:00	60.70	
10.00 00/06/23 14:33:00	119.95	10200.00
20.00 00/06/23 14:43:00	120.95	
35.00 00/06/23 14:58:00		13140.00
36.00 00/06/23 14:59:00	142.96	-
38.00 00/06/23 14:59:00	141.03	
39.00 00/06/23 15:00:00	139.39	14180.00
40.00 00/06/23 15:05:00	141.33	
45.00 00/06/23 15:10:00		14300.00
46.00 00/06/23 15:11:00	142.30	
55.00 00/06/23 15:20:00	145.08	14350.00
65.00 00/06/23 15:30:00		14350.00
67.00 00/06/23 15:32:00	145.60	
75.00 00/06/23 15:40:00	146.38	14350.00
85.00 00/06/23 15:50:00	145.05	14350.00
95.00 00/06/23 16:00:00	153.67	14300.00
105.00 00/06/23 16:10:00	157.17	14300.00
115.00 00/06/23 16:20:00	158.18	14300.00
125.00 00/06/23 16:30:00	159.05	14450.00
135.00 00/06/23 16:40:00	159.37	14450.00
145.00 00/06/23 16:50:00	159.53	14450.00
155.00 00/06/23 17:00:00	159.53	14500.00
165.00 00/06/23 17:10:00	159.37	14500.00
175.00 00/06/23 17:20:00	159.60	14460.00
185.00 00/06/23 17:30:00	159.58	14460.00
194.00 00/06/23 17:31:00	135.70	
197.00 00/06/23 17:32:00	120.10	
198.00 00/06/23 17:33:00	96.00	
199.00 00/06/23 17:34:00	89.48	
199.00 00/06/23 17:35:00	78.45	
191.00 00/06/23 17:36:00	71.50	
192.00 00/06/23 17:37:00	65.50	
193.00 00/06/23 17:38:00	59.90	
194.00 00/06/23 17:39:00	54.73	
195.00 00/06/23 17:40:00	51.35	
197.00 00/06/23 17:43:00	45.00	
199.00 00/06/23 17:44:00	40.00	
201.00 00/06/23 17:46:00	40.32	
203.00 00/06/23 17:48:00	35.01	

TIME LOGS REPORT Page 2

TY/NN/DD hh:mm:ss.s
Date 00/06/23 14:23:00.0
Well I.D. SHS

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/NN/DD hh:mm:ss	WATER LEVEL (Foot below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
205.00 00/06/23 17:50:00	32.64	
210.00 00/06/23 17:55:00	27.70	
215.00 00/06/23 18:00:00	25.55	
225.00 00/06/23 18:10:00	22.10	
235.00 00/06/23 18:20:00	19.08	
245.00 00/06/23 18:30:00	18.63	
255.00 00/06/23 18:40:00	16.33	
265.00 00/06/23 18:50:00	14.95	
275.00 00/06/23 19:00:00	14.22	
285.00 00/06/23 19:10:00	13.59	
295.00 00/06/23 19:20:00	12.93	
305.00 00/06/23 19:30:00	12.44	
315.00 00/06/23 19:40:00	12.00	
325.00 00/06/23 19:50:00	11.71	
335.00 00/06/23 20:00:00	11.30	
345.00 00/06/23 20:10:00	11.00	
355.00 00/06/23 20:20:00	10.60	
365.00 00/06/23 20:30:00	10.30	
375.00 00/06/23 20:40:00	7.00	

TIME LOGS REPORT Page 3

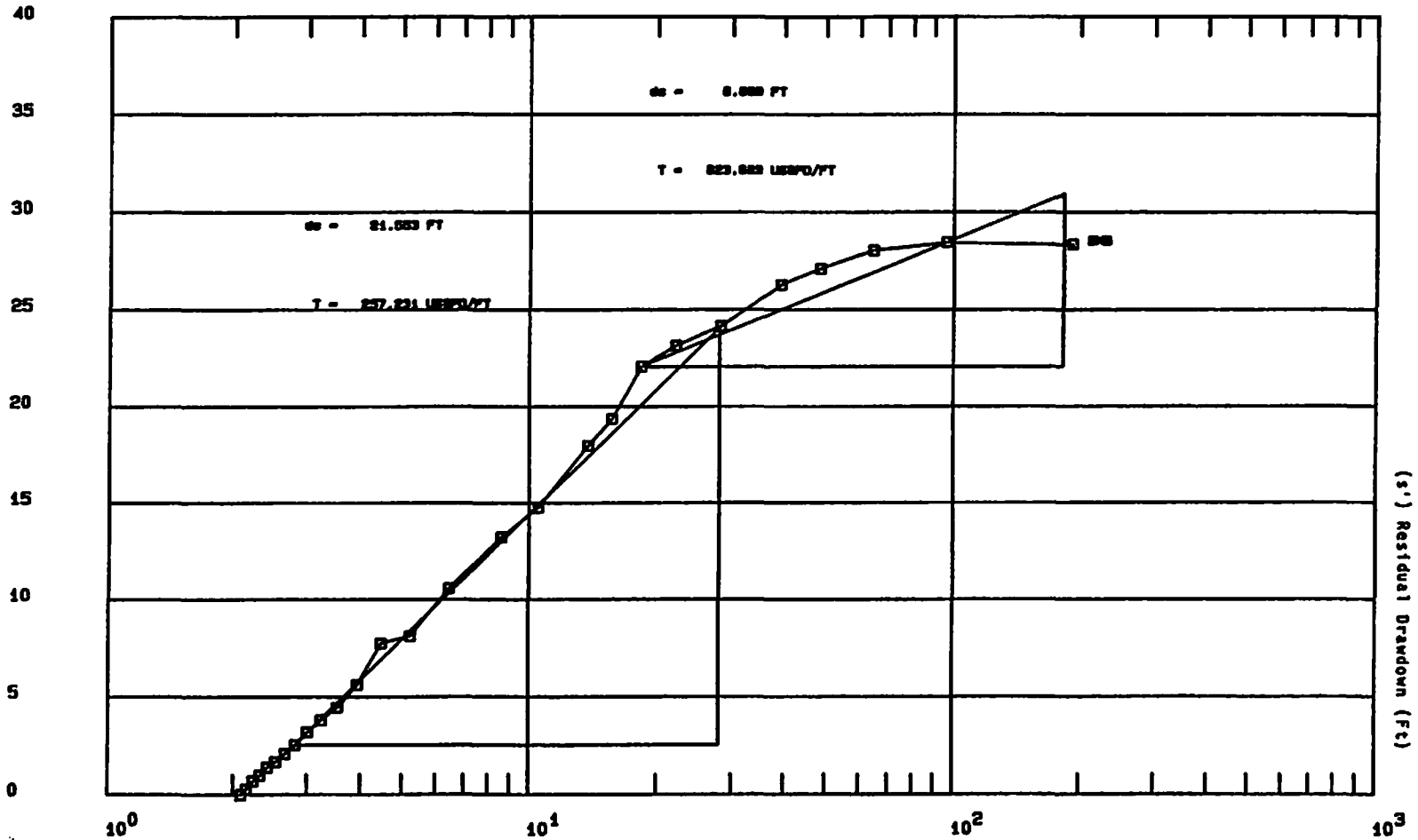
TY/NN/DD hh:mm:ss.s
Date 00/06/23 16:25:00.0
Well I.D. SHS

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/NN/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 00/06/23 16:25:00	
15.00 00/06/23 16:40:00	28.00
25.00 00/06/23 16:50:00	27.00
35.00 00/06/23 17:00:00	27.00
45.00 00/06/23 17:10:00	27.00
55.00 00/06/23 17:20:00	27.00
65.00 00/06/23 17:30:00	27.00
75.00 00/06/23 17:40:00	27.00
85.00 00/06/23 17:50:00	26.50
95.00 00/06/23 18:00:00	26.50
105.00 00/06/23 18:10:00	26.50
115.00 00/06/23 18:20:00	26.50
125.00 00/06/23 18:30:00	26.50
135.00 00/06/23 18:40:00	26.50
145.00 00/06/23 18:50:00	26.50
155.00 00/06/23 19:00:00	26.50
165.00 00/06/23 19:10:00	26.50
175.00 00/06/23 19:20:00	26.50
185.00 00/06/23 19:30:00	26.50

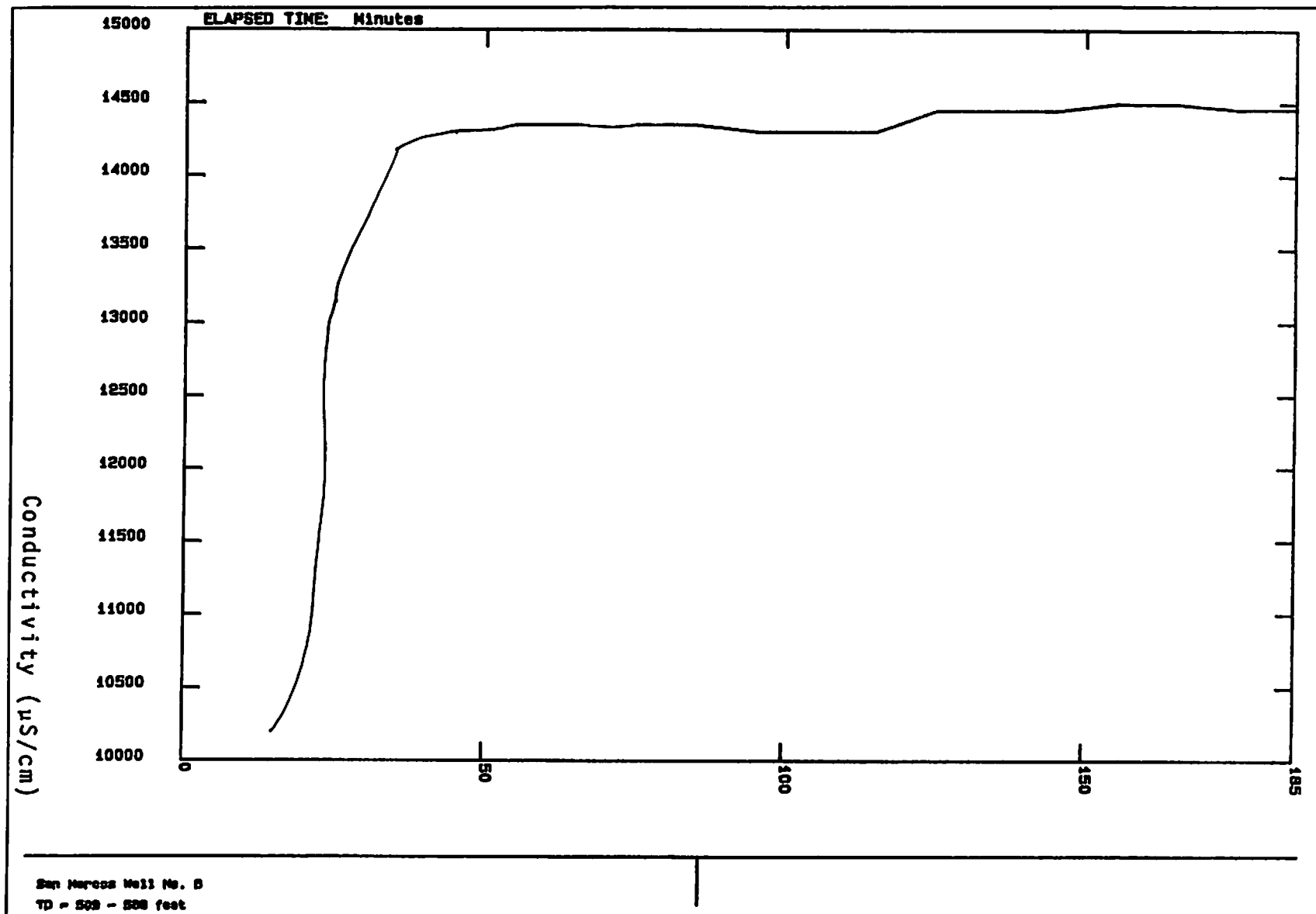
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



San Marcos Well No. 8
TD = 509-555 feet

Pecker Test/Interval = 509-555 feet



TIME LOGS REPORT

Page 1

Date **YY/MM/DD hh:mm:ss.s**
00/06/27 09:20:00.0
 Well I.D. **SMB**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/06/27 09:20:00	14.40	
10.00	00/06/27 09:30:00		14380.00
20.00	00/06/27 09:40:00	99.63	14360.00
30.00	00/06/27 09:50:00	99.36	14430.00
40.00	00/06/27 10:00:00	99.36	14090.00
50.00	00/06/27 10:10:00	99.25	14390.00
60.00	00/06/27 10:20:00	99.63	
70.00	00/06/27 10:30:00		14320.00
80.00	00/06/27 10:40:00	99.69	14370.00
90.00	00/06/27 10:50:00	99.08	
100.00	00/06/27 11:00:00		
110.00	00/06/27 11:10:00	80.78	
120.00	00/06/27 11:20:00	69.08	
130.00	00/06/27 11:30:00	60.62	
140.00	00/06/27 11:40:00	33.30	
150.00	00/06/27 11:50:00	47.34	
160.00	00/06/27 12:00:00	42.63	
170.00	00/06/27 12:10:00	36.79	
180.00	00/06/27 12:20:00	36.14	
190.00	00/06/27 12:30:00	33.60	
200.00	00/06/27 12:40:00	29.66	
210.00	00/06/27 12:50:00		
220.00	00/06/27 13:00:00	26.84	
230.00	00/06/27 13:10:00	25.00	
240.00	00/06/27 13:20:00	24.50	
250.00	00/06/27 13:30:00	23.40	
260.00	00/06/27 13:40:00	22.15	
270.00	00/06/27 13:50:00	19.87	
280.00	00/06/27 14:00:00	18.49	
290.00	00/06/27 14:10:00	16.72	
300.00	00/06/27 14:20:00	15.53	
310.00	00/06/27 14:30:00	14.60	

TIME LOGS REPORT

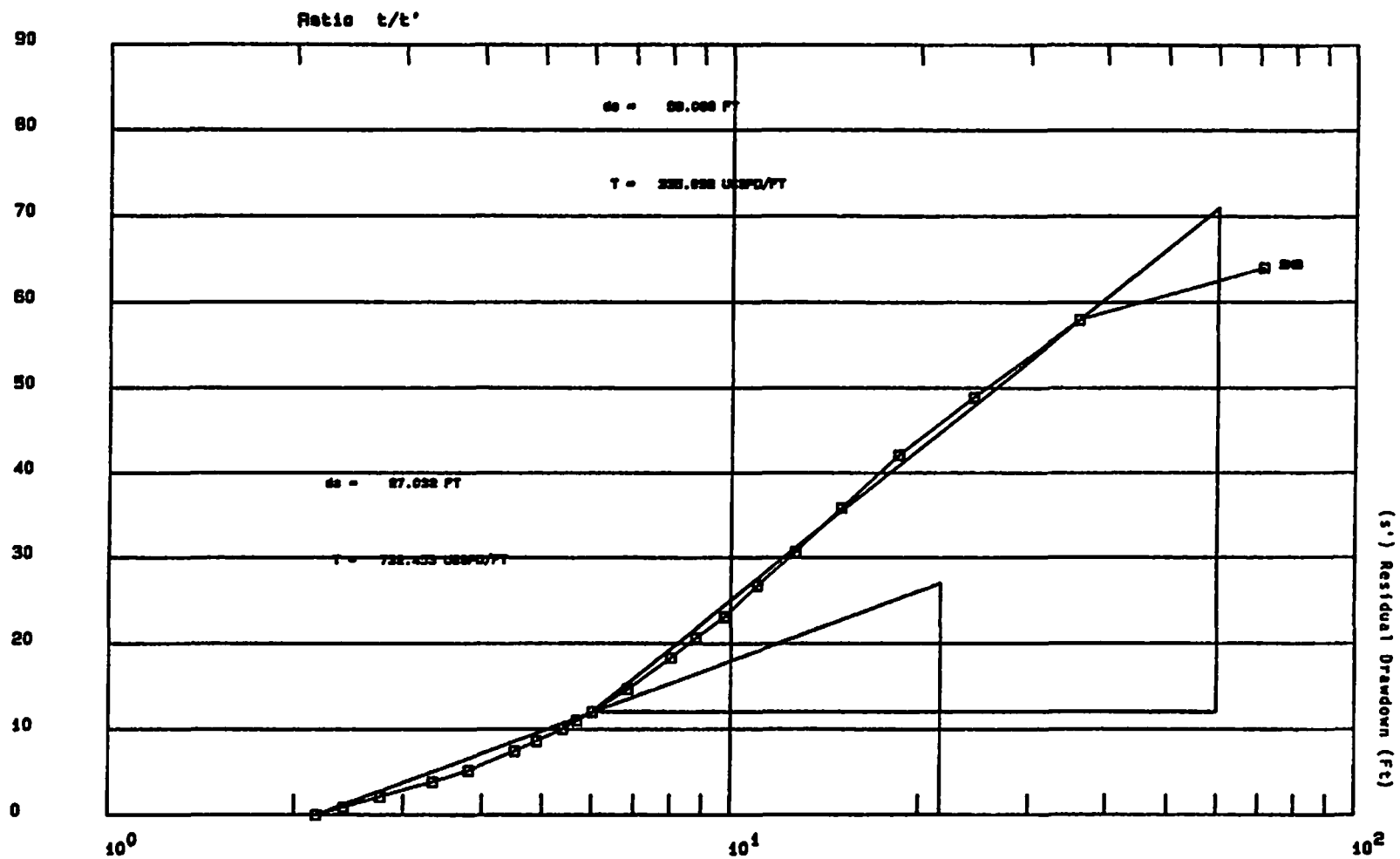
Page 2

Date **YY/MM/DD hh:mm:ss.s**
00/06/27 09:20:00.0
 Well I.D. **SMB**

EDWARDS UNDERGROUND WATER DISTRICT

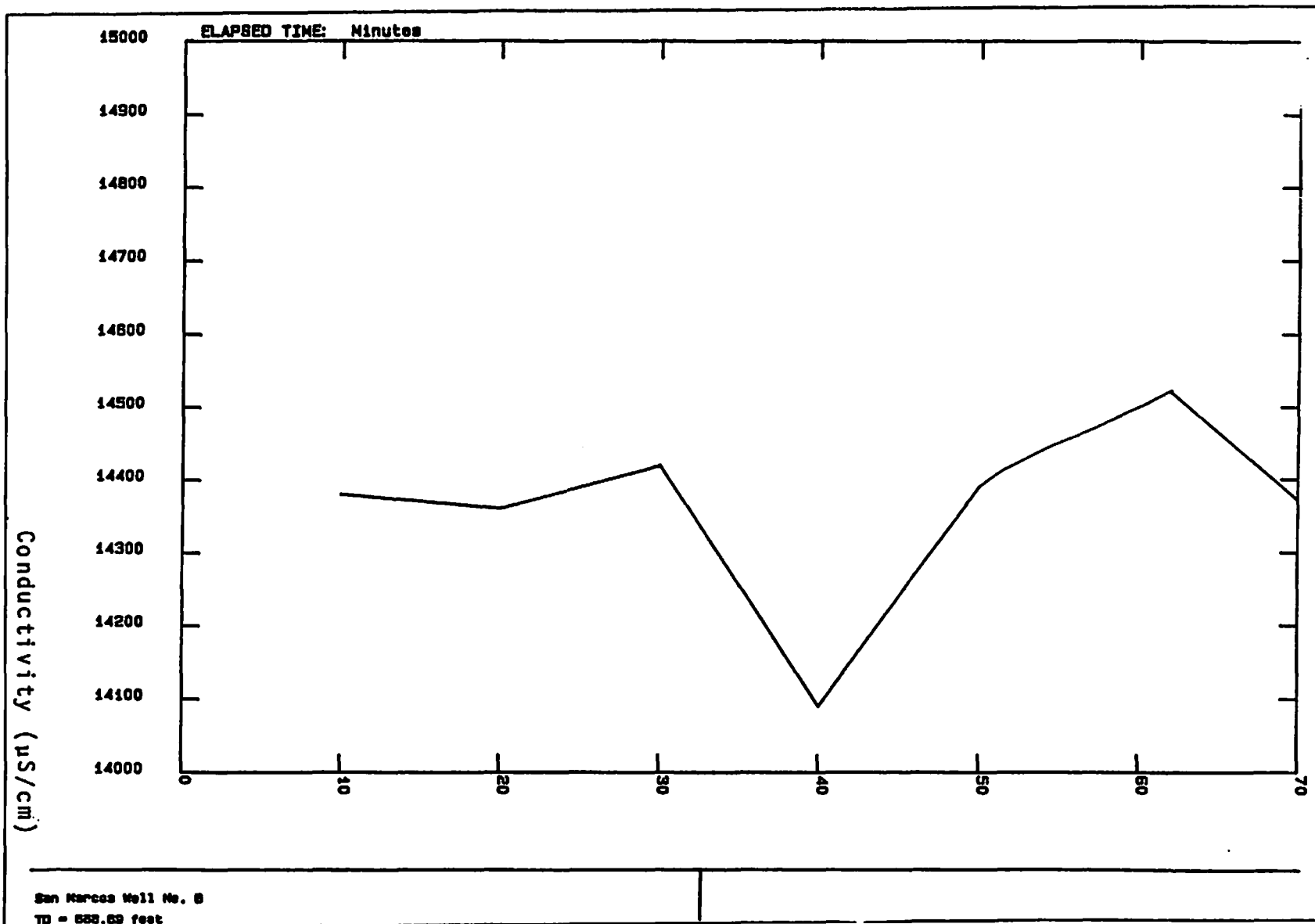
Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/06/27 09:20:00	
10.00	00/06/27 09:30:00	25.00
20.00	00/06/27 09:40:00	25.00
30.00	00/06/27 09:50:00	25.00
40.00	00/06/27 10:00:00	25.00
50.00	00/06/27 10:10:00	25.00
60.00	00/06/27 10:20:00	25.00
70.00	00/06/27 10:30:00	25.00

PUMPING TEST ANALYSIS Recovery



San Marcos Well No. B
TD = 668.69 feet

50-foot Test



TIME LOGS REPORT

Page 1

Date YY/MM/DD hh:mm:ss.s
00/06/28 07:00:00.0
 Well I.D. SNB
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/06/28 07:00:00	5.44	
117.00	00/06/28 08:57:00	58.35	
120.00	00/06/28 09:00:00	62.06	13900.00
126.00	00/06/28 09:10:00	65.23	14520.00
148.00	00/06/28 09:30:00	66.36	
148.00	00/06/28 09:35:00		14780.00
150.00	00/06/28 09:38:00	67.90	
160.00	00/06/28 09:48:00	68.62	14680.00
170.00	00/06/28 09:58:00	69.20	
180.00	00/06/28 10:08:00	69.62	14680.00
190.00	00/06/28 10:18:00	69.87	
200.00	00/06/28 10:28:00	70.23	14680.00
210.00	00/06/28 10:38:00	70.30	
220.00	00/06/28 10:48:00	70.38	
230.00	00/06/28 10:58:00	70.47	14680.00
240.00	00/06/28 11:08:00	70.96	
250.00	00/06/28 11:18:00	70.98	14680.00
260.00	00/06/28 11:28:00	71.12	
270.00	00/06/28 11:38:00	71.26	14680.00
280.00	00/06/28 11:48:00	71.45	
290.00	00/06/28 11:58:00	71.30	14680.00
293.00	00/06/28 11:53:00	60.00	
293.00	00/06/28 11:53:00	46.65	
294.00	00/06/28 11:54:00	41.50	
295.00	00/06/28 11:55:00	34.65	
296.00	00/06/28 11:56:00	30.88	
297.00	00/06/28 11:57:00	25.40	
298.00	00/06/28 11:58:00	22.55	
299.00	00/06/28 11:59:00	21.67	
300.00	00/06/28 12:00:00	19.90	
301.00	00/06/28 12:01:00	18.78	
302.00	00/06/28 12:02:00	17.92	
304.00	00/06/28 12:04:00	17.15	
306.00	00/06/28 12:06:00	15.90	
308.00	00/06/28 12:08:00	14.75	
310.00	00/06/28 12:10:00	14.40	
312.00	00/06/28 12:12:00	13.67	
317.00	00/06/28 12:17:00	12.40	
323.00	00/06/28 12:23:00	11.82	
323.00	00/06/28 12:23:00	11.68	

TIME LOGS REPORT

Page 2

Date YY/MM/DD hh:mm:ss.s
00/06/28 07:00:00.0
 Well I.D. SNB
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/06/28 07:00:00	
120.00	00/06/28 09:00:00	26.20
130.00	00/06/28 09:10:00	26.00
140.00	00/06/28 09:20:00	26.00
150.00	00/06/28 09:30:00	26.00
160.00	00/06/28 09:40:00	26.00
180.00	00/06/28 10:00:00	26.00
200.00	00/06/28 10:20:00	26.00
230.00	00/06/28 10:50:00	26.00
250.00	00/06/28 11:10:00	26.00
270.00	00/06/28 11:30:00	26.00
290.00	00/06/28 11:50:00	26.00

TIME LOGS REPORT

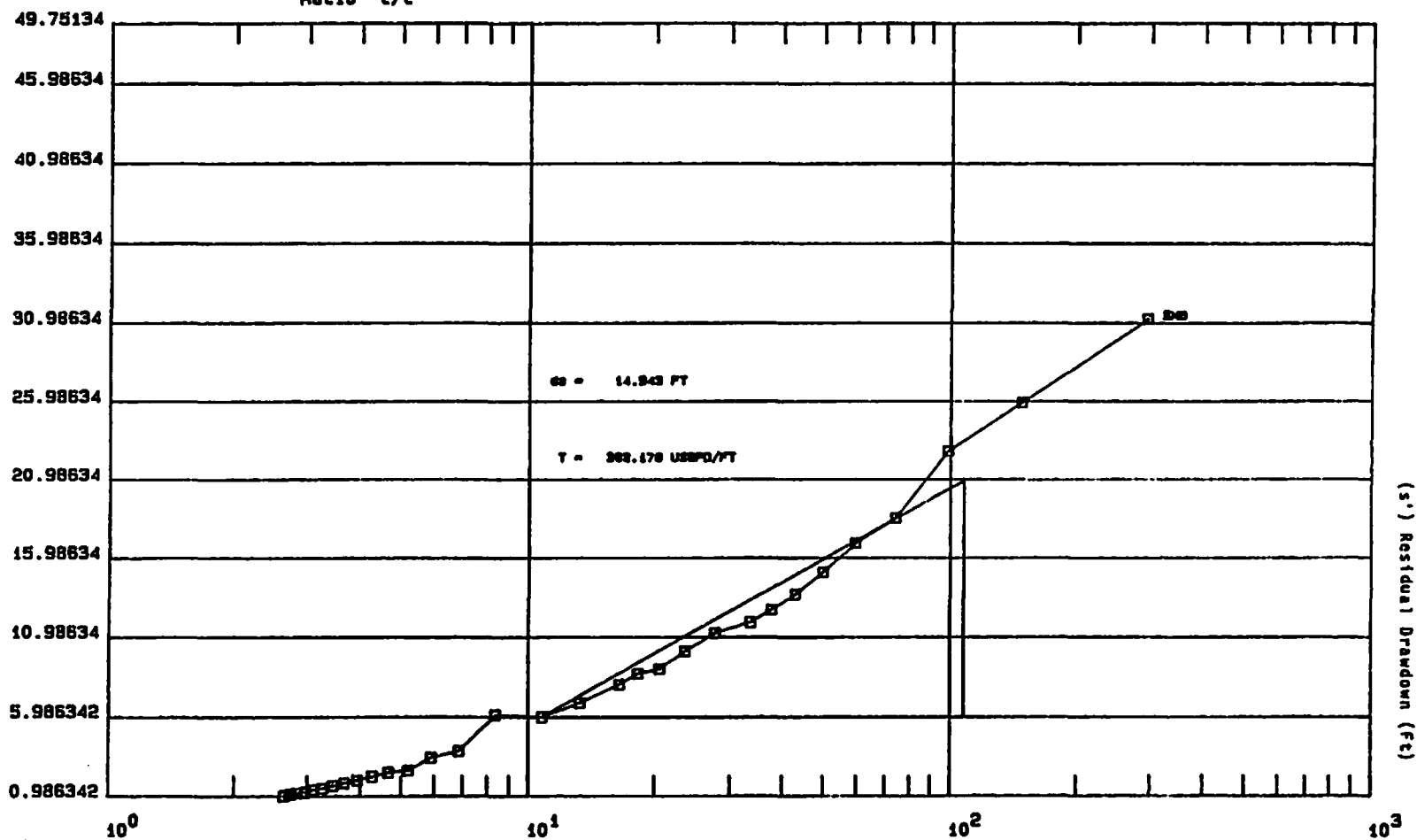
Page 2

Date YY/MM/DD hh:mm:ss.s
00/06/28 07:00:00.0
 Well I.D. SNB
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
343.00	00/06/28 13:43:00	9.36	
353.00	00/06/28 13:53:00	8.91	
362.00	00/06/28 13:03:00	8.10	
373.00	00/06/28 13:13:00	7.93	
383.00	00/06/28 13:23:00	7.71	
393.00	00/06/28 13:33:00	7.43	
403.00	00/06/28 13:43:00	7.27	
413.00	00/06/28 13:53:00	7.08	
423.00	00/06/28 14:03:00	6.92	
433.00	00/06/28 14:13:00	6.62	
443.00	00/06/28 14:23:00	6.46	
453.00	00/06/28 14:33:00	6.51	
463.00	00/06/28 14:43:00	6.52	
473.00	00/06/28 14:53:00	6.43	

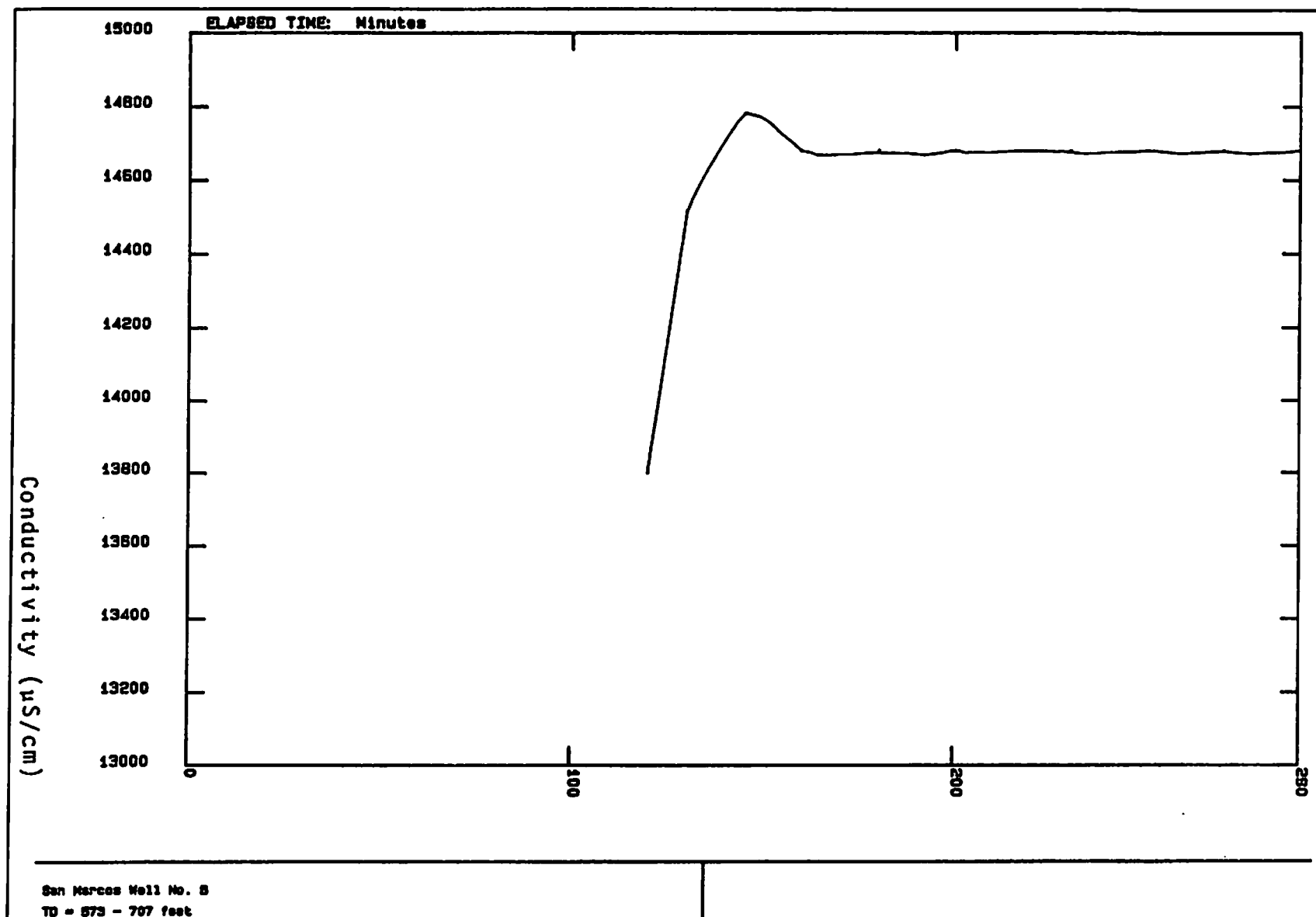
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



San Marcos Well No. 8
TD = 707 feet

Packer Test/Interval 673-707 feet



TIME LOGS REPORT

Page 1

Date **09/06/29 09:20:00.0**
 Well I.D. **SMS**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/06/29 09:20:00	11.80	14560.00
5.00	09/06/29 09:25:00	80.00	
15.00	09/06/29 09:35:00	81.90	14580.00
25.00	09/06/29 09:45:00	80.70	
30.00	09/06/29 09:50:00		14580.00
35.00	09/06/29 09:55:00	80.84	
45.00	09/06/29 10:05:00	80.90	14580.00
55.00	09/06/29 10:15:00	79.08	
60.00	09/06/29 10:20:00	79.25	14580.00
61.00	09/06/29 10:21:00	73.93	14580.00
62.00	09/06/29 10:22:00	58.20	
63.00	09/06/29 10:23:00	50.38	
64.00	09/06/29 10:24:00	42.97	
65.00	09/06/29 10:25:00	37.26	
66.00	09/06/29 10:26:00	33.54	
67.00	09/06/29 10:27:00	30.49	
68.00	09/06/29 10:28:00	28.05	
69.00	09/06/29 10:29:00	25.83	
70.00	09/06/29 10:30:00	24.16	
72.00	09/06/29 10:32:00	22.85	
74.00	09/06/29 10:34:00	20.09	
76.00	09/06/29 10:36:00	18.80	
78.00	09/06/29 10:38:00	17.87	
80.00	09/06/29 10:40:00	17.11	
85.00	09/06/29 10:45:00	15.86	
90.00	09/06/29 10:50:00	14.65	
100.00	09/06/29 11:00:00	13.47	
110.00	09/06/29 11:10:00	12.58	
120.00	09/06/29 11:20:00	11.60	

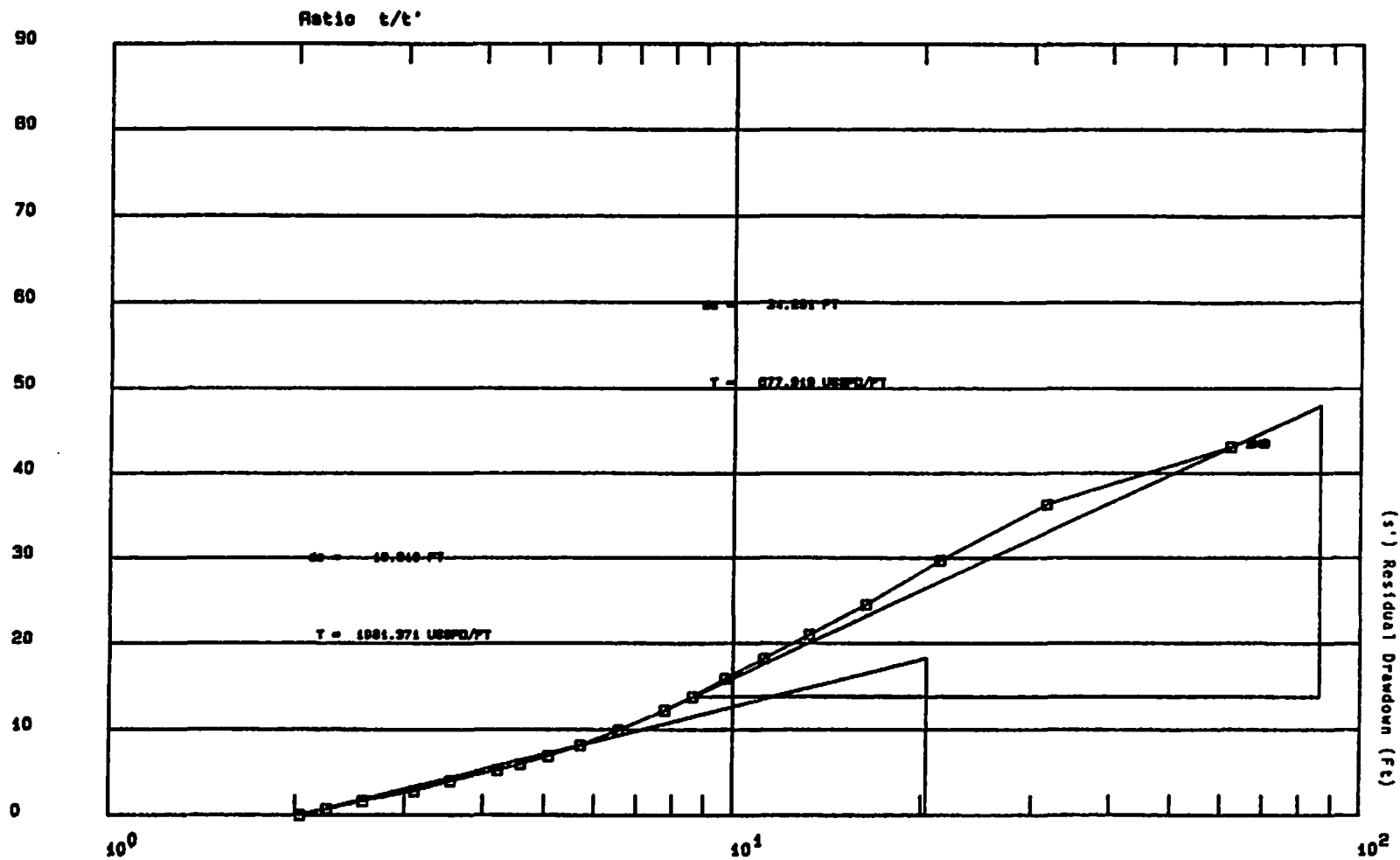
TIME LOGS REPORT

Page 2

Date **09/06/29 09:20:00.0**
 Well I.D. **SMS**
EDWARDS UNDERGROUND WATER DISTRICT

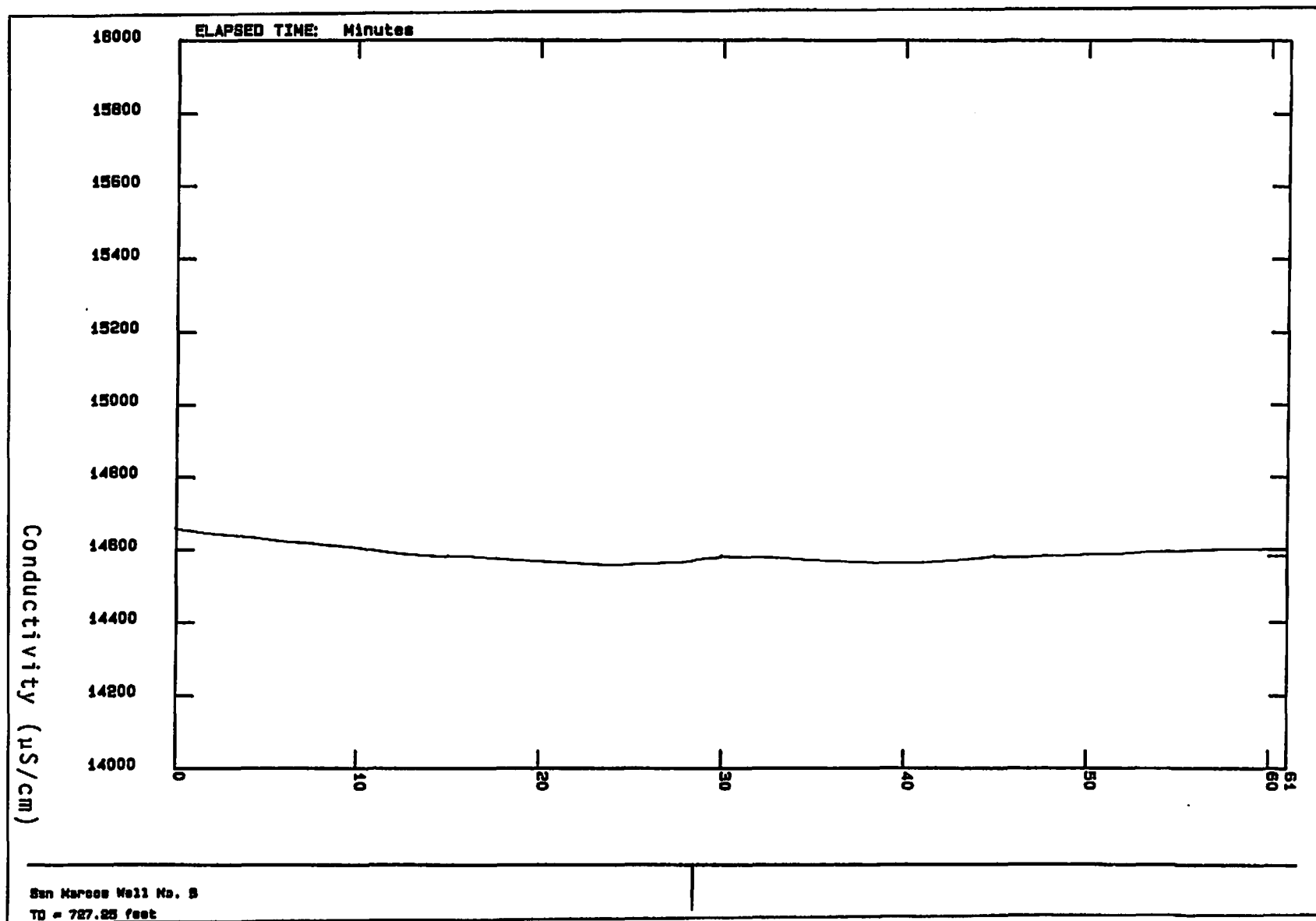
Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/06/29 09:20:00	25.20
15.00	09/06/29 09:35:00	25.20
30.00	09/06/29 09:50:00	25.20
45.00	09/06/29 10:05:00	25.00
60.00	09/06/29 10:20:00	25.00
61.00	09/06/29 10:21:00	25.00

PUMPING TEST ANALYSIS Recovery



San Marcos Well No. 8
TD = 727.25 feet

50-foot Test



TIME LOGS REPORT

Page 1

Date **TY/HR/DD hh:mm:ss.s**
10/06/29 16:00:00.0
 Well I.D. **SHS**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HR/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	10/06/29 16:00:00	12.64	
10.00	10/06/29 16:10:00	26.80	14500.00
20.00	10/06/29 16:20:00	26.27	14500.00
30.00	10/06/29 16:30:00	26.82	14660.00
40.00	10/06/29 16:40:00	27.06	14620.00
50.00	10/06/29 16:50:00	27.20	14620.00
60.00	10/06/29 17:00:00	27.28	14620.00
61.00	10/06/29 17:01:00	44.95	
62.00	10/06/29 17:02:00	42.37	
63.00	10/06/29 17:03:00	29.40	
64.00	10/06/29 17:04:00	24.60	
65.00	10/06/29 17:05:00	22.67	
66.00	10/06/29 17:06:00	21.60	
67.00	10/06/29 17:07:00	20.68	
68.00	10/06/29 17:08:00	19.80	
69.00	10/06/29 17:09:00	19.05	
70.00	10/06/29 17:10:00	18.20	
72.00	10/06/29 17:12:00	17.70	
74.00	10/06/29 17:14:00	16.84	
76.00	10/06/29 17:16:00	16.54	
78.00	10/06/29 17:18:00	16.10	
80.00	10/06/29 17:20:00	15.65	
85.00	10/06/29 17:25:00	14.70	
90.00	10/06/29 17:30:00	14.45	
100.00	10/06/29 17:40:00	13.25	
110.00	10/06/29 17:50:00	13.07	
120.00	10/06/29 18:00:00	12.64	

TIME LOGS REPORT

Page 2

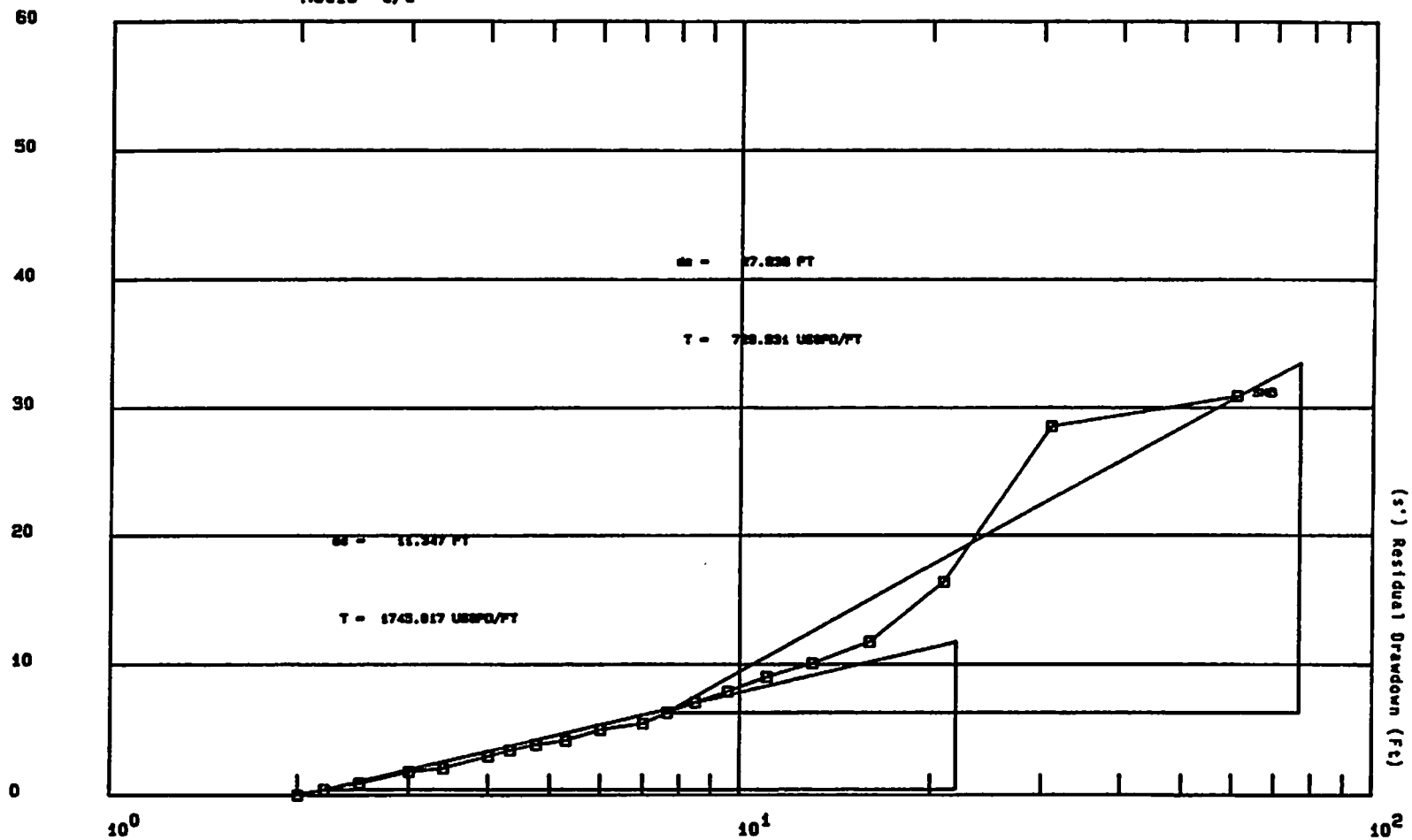
Date **TY/HR/DD hh:mm:ss.s**
10/06/29 16:00:00.0
 Well I.D. **SHS**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/HR/DD hh:mm:ss	TEMPERATURE (Degrees Celsius)
0.00	10/06/29 16:00:00	
10.00	10/06/29 16:10:00	24.00
20.00	10/06/29 16:20:00	25.90
30.00	10/06/29 16:30:00	25.80
40.00	10/06/29 16:40:00	25.80
50.00	10/06/29 16:50:00	25.80
60.00	10/06/29 17:00:00	25.80

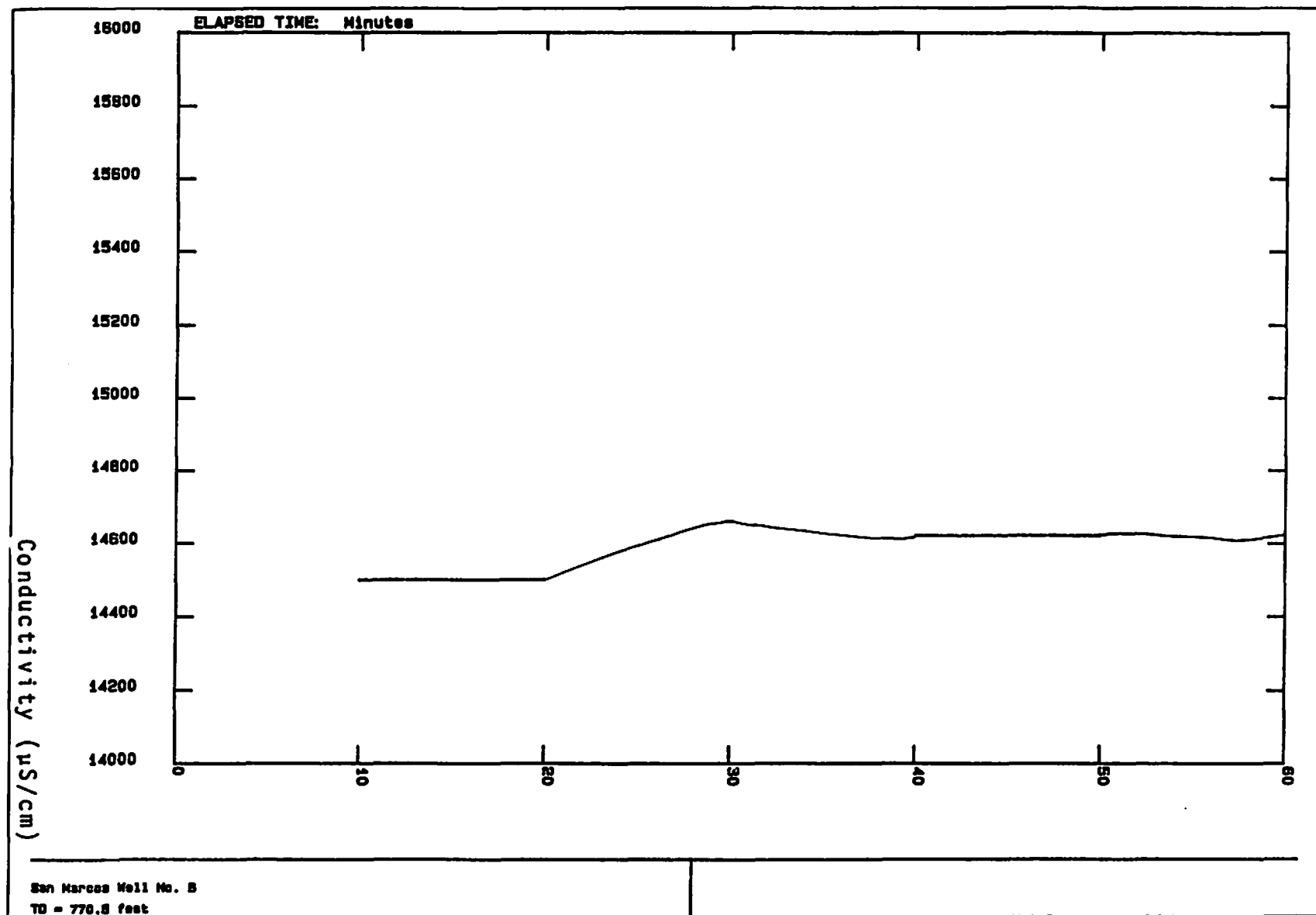
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



San Marcos Well No. C
TD = 779.5

50-foot Test



TIME LOGS REPORT

Page 1

Date 09/06/30 10:00:00.0
 Well I.D. SW3

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES	TIME YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	09/06/30 10:00:00	13.44	
10.00	09/06/30 10:10:00	18.00	
20.00	09/06/30 10:20:00	28.36	14410.00
30.00	09/06/30 10:30:00	28.34	14410.00
40.00	09/06/30 10:40:00	28.74	14410.00
50.00	09/06/30 10:50:00	28.42	14410.00
60.00	09/06/30 11:00:00	28.80	14410.00
61.00	09/06/30 11:01:00	28.93	
62.00	09/06/30 11:02:00	43.00	
63.00	09/06/30 11:03:00	33.42	
64.00	09/06/30 11:04:00	38.18	
65.00	09/06/30 11:05:00	24.40	
66.00	09/06/30 11:06:00	22.42	
67.00	09/06/30 11:07:00	21.22	
68.00	09/06/30 11:08:00	20.30	
69.00	09/06/30 11:09:00	19.40	
70.00	09/06/30 11:10:00	19.90	
72.00	09/06/30 11:12:00	18.00	
74.00	09/06/30 11:14:00	17.36	
76.00	09/06/30 11:16:00	16.84	
78.00	09/06/30 11:18:00	16.36	
80.00	09/06/30 11:20:00	15.90	
82.00	09/06/30 11:22:00	15.00	
90.00	09/06/30 11:30:00	14.68	
100.00	09/06/30 11:40:00	13.68	
110.00	09/06/30 11:50:00	13.06	
120.00	09/06/30 12:00:00	12.44	

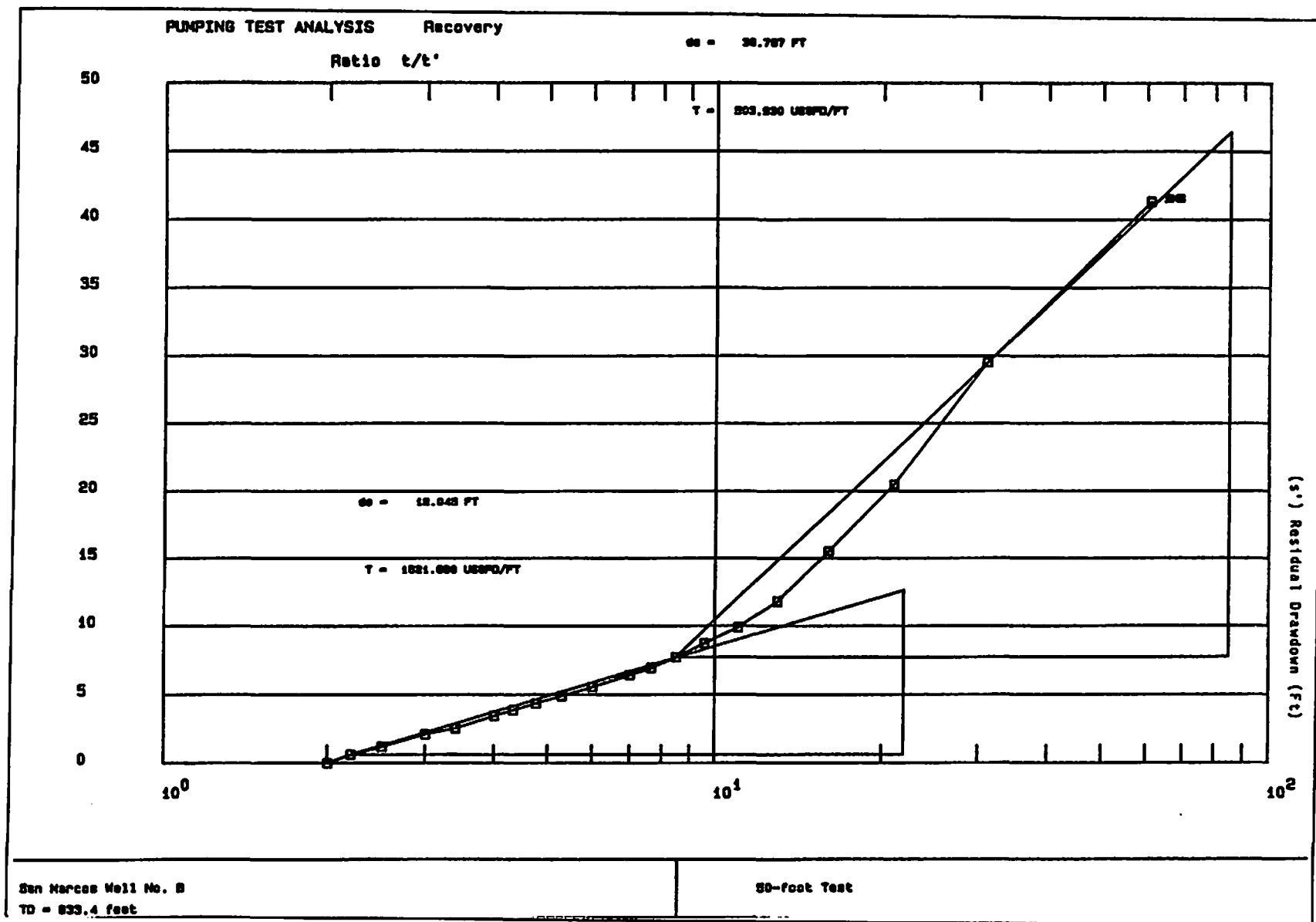
TIME LOGS REPORT

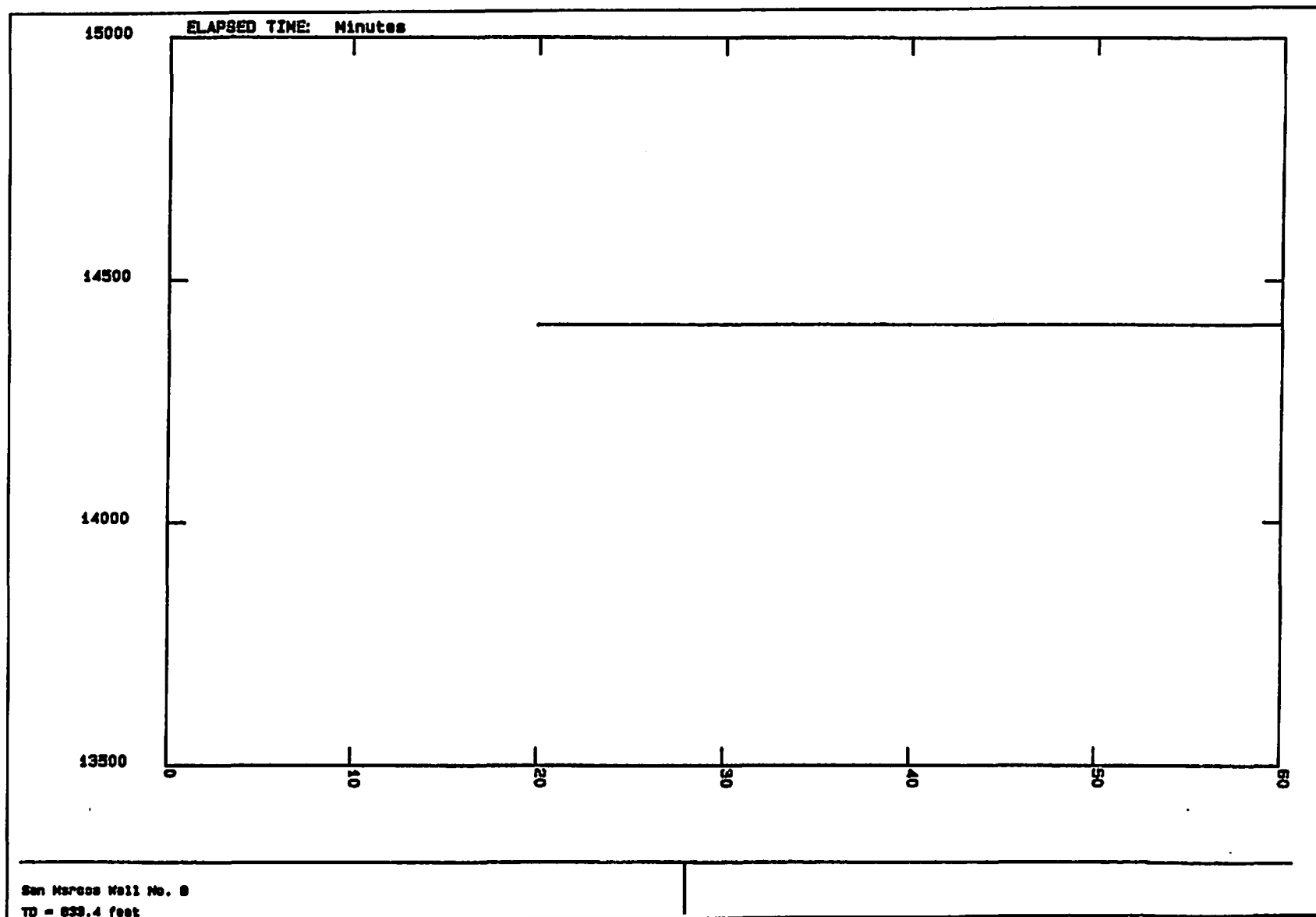
Page 2

Date 09/06/30 10:00:00.0
 Well I.D. SW3

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES	TIME YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	09/06/30 10:00:00	
20.00	09/06/30 10:20:00	26.50
30.00	09/06/30 10:30:00	26.25
40.00	09/06/30 10:40:00	26.00
50.00	09/06/30 10:50:00	26.00
60.00	09/06/30 11:00:00	26.00





TIME LOGS REPORT

Page 1

Date 06/07/01 09:20:00.0
 Well I.D. SNB

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	06/07/01 09:20:00	9.78	
10.00	06/07/01 09:30:00	15.68	
20.00	06/07/01 09:40:00	20.14	
30.00	06/07/01 09:50:00	20.44	
33.00	06/07/01 09:53:00		14640.00
40.00	06/07/01 10:00:00	20.95	14640.00
50.00	06/07/01 10:10:00	21.28	14640.00
60.00	06/07/01 10:20:00	21.55	14640.00
70.00	06/07/01 10:30:00	21.80	14640.00
80.00	06/07/01 10:40:00	22.40	14640.00
90.00	06/07/01 10:50:00	22.55	14640.00
100.00	06/07/01 11:00:00	22.75	14640.00
110.00	06/07/01 11:10:00	22.71	
122.00	06/07/01 11:22:00		14640.00
130.00	06/07/01 11:30:00	22.71	14640.00
131.00	06/07/01 11:31:00	16.47	
132.00	06/07/01 11:32:00	13.34	
133.00	06/07/01 11:33:00	13.00	
134.00	06/07/01 11:34:00	12.40	
135.00	06/07/01 11:35:00	12.35	
136.00	06/07/01 11:36:00	11.18	
137.00	06/07/01 11:37:00	11.30	
138.00	06/07/01 11:38:00	10.48	
139.00	06/07/01 11:39:00	11.38	
140.00	06/07/01 11:40:00	10.72	
142.00	06/07/01 11:42:00	10.90	
144.00	06/07/01 11:44:00	11.47	
146.00	06/07/01 11:46:00	10.82	
148.00	06/07/01 11:48:00	10.89	
149.00	06/07/01 11:49:00	10.99	
149.00	06/07/01 11:49:00	10.74	
150.00	06/07/01 11:50:00	10.58	
160.00	06/07/01 12:00:00	10.53	
170.00	06/07/01 12:10:00	10.25	
180.00	06/07/01 12:20:00	10.18	
190.00	06/07/01 12:30:00	9.90	
200.00	06/07/01 12:40:00	9.53	
210.00	06/07/01 12:50:00	9.72	
220.00	06/07/01 13:00:00	9.61	
230.00	06/07/01 13:10:00	9.48	

TIME LOGS REPORT

Page 2

Date 06/07/01 09:20:00.0
 Well I.D. SNB

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
240.00	06/07/01 13:20:00	9.44	

TIME LOGS REPORT

Page 3

Date 06/07/01 09:20:00.0
 Well I.D. SNB

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Seal YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	06/07/01 09:20:00	
33.00	06/07/01 09:53:00	27.00
40.00	06/07/01 10:00:00	26.50
50.00	06/07/01 10:10:00	26.50
60.00	06/07/01 10:20:00	26.50
70.00	06/07/01 10:30:00	26.50
80.00	06/07/01 10:40:00	26.50
90.00	06/07/01 10:50:00	26.50
100.00	06/07/01 11:00:00	26.50
122.00	06/07/01 11:22:00	26.50
130.00	06/07/01 11:30:00	27.00

PUMPING TEST ANALYSIS Recovery

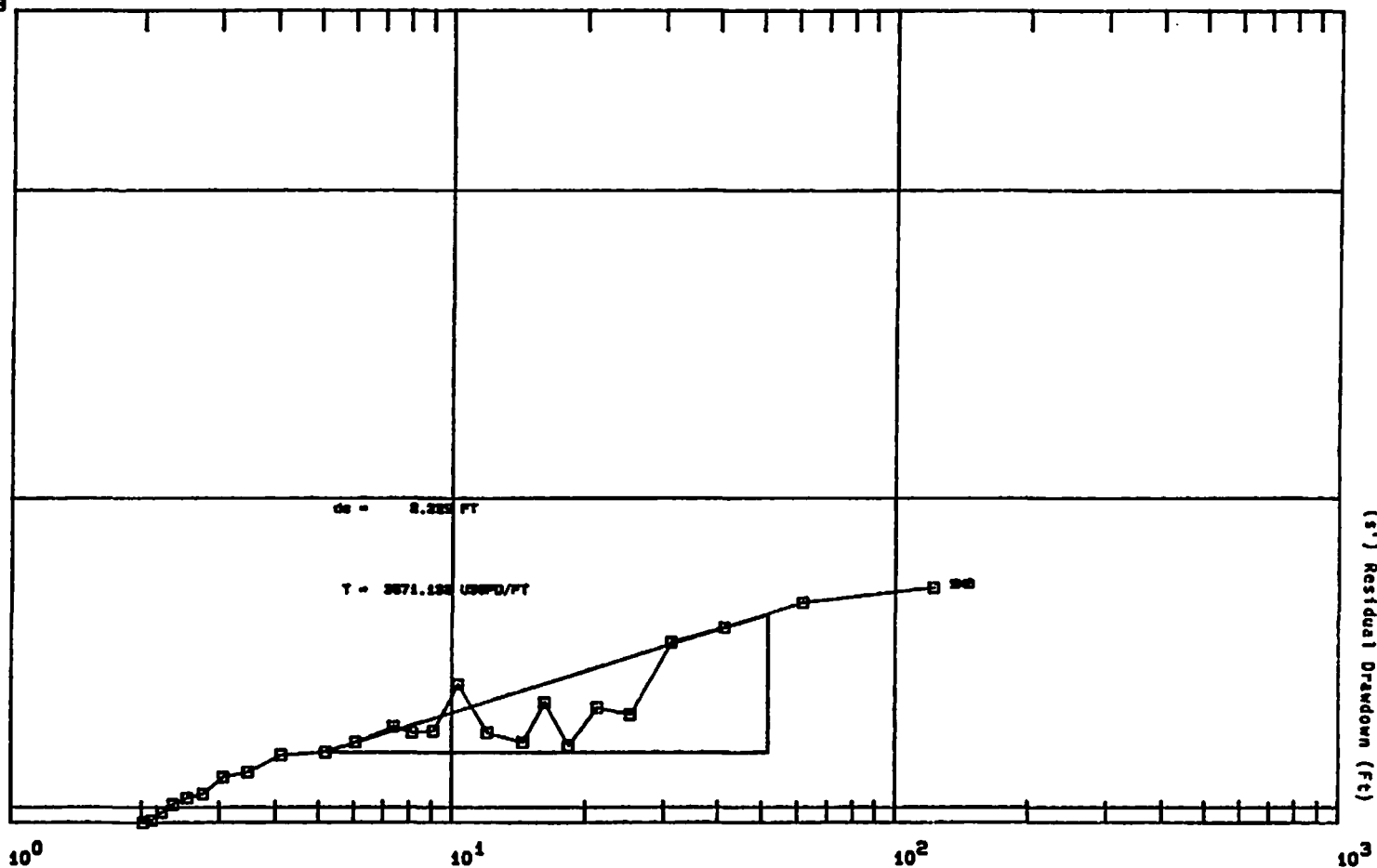
Ratio t/t'

12.87533

10

5

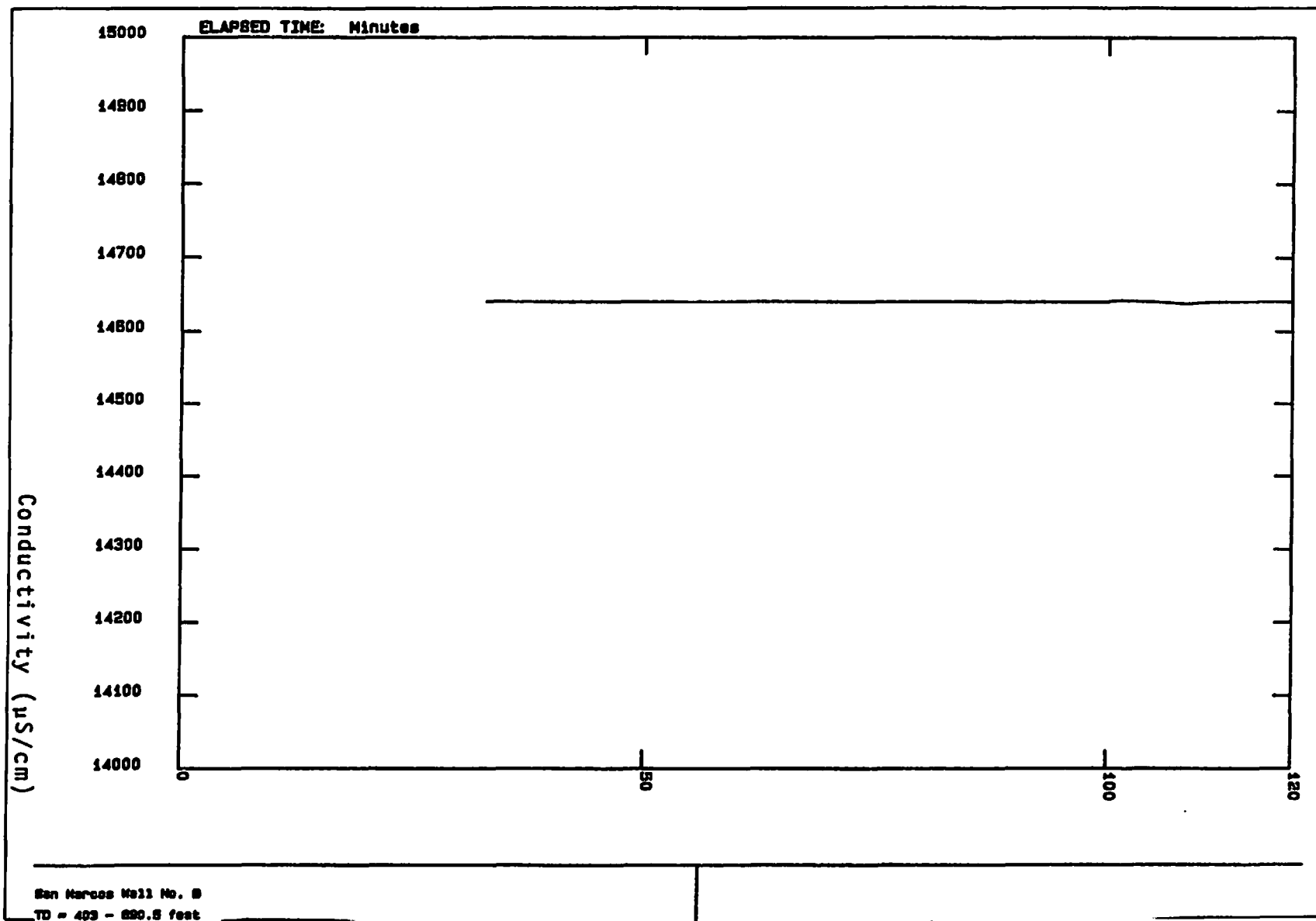
0



San Marcos Well No. 8

TD = 890.5 feet

Packer Test/Interval = 403-890.5 feet



TIME LOGS REPORT

Page 1

TT/HH/DD hh:mm:ss.s
 Date 00/07/02 07:01:00.0
 Well I.D. SWS
 EDWARDS UNDERGROUND WATER DISTRICT

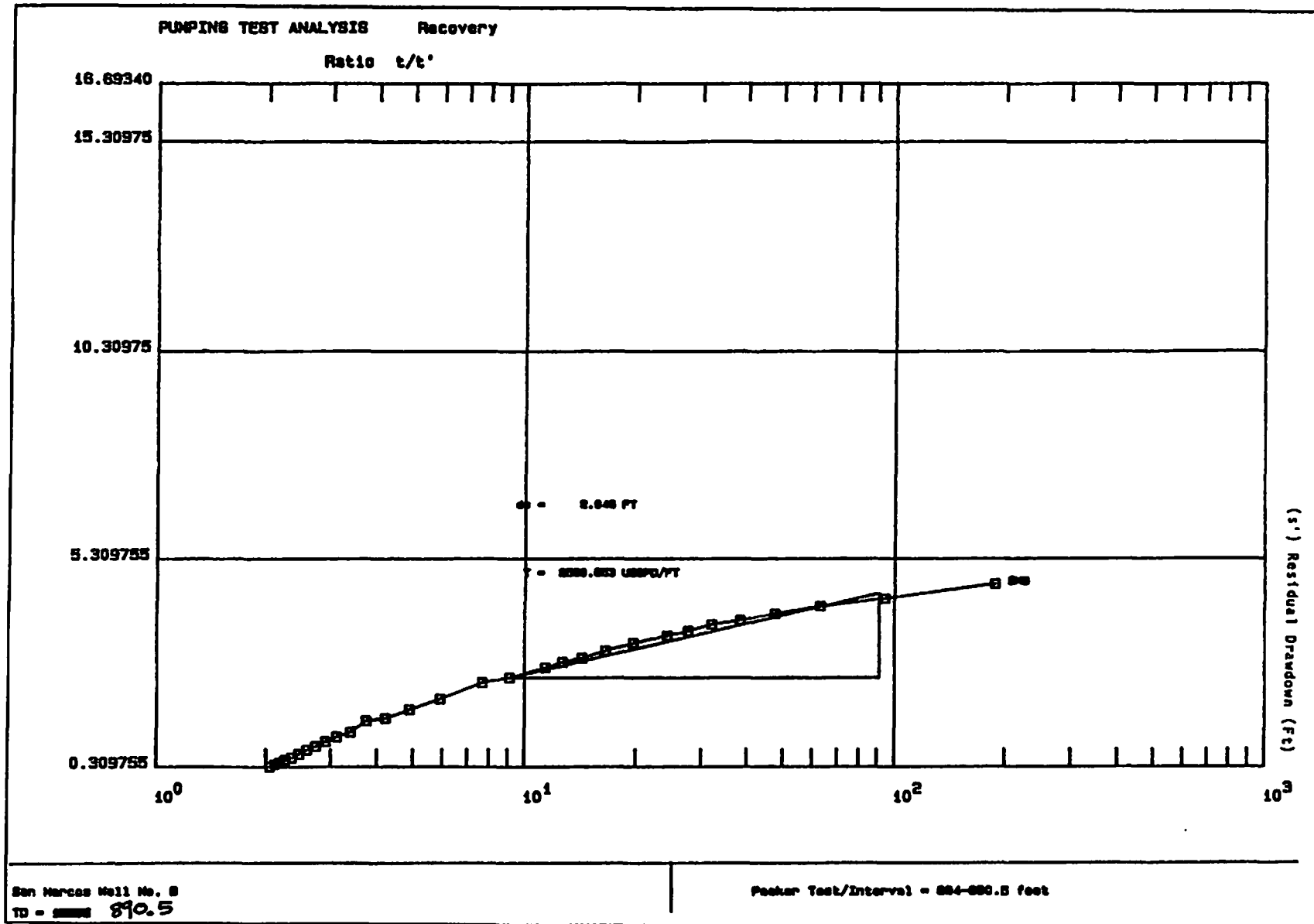
Elapsed - TIME - Seal MINUTES TT/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
00.00 00/07/02 07:01:00	7.05	
01.00 00/07/02 08:00:00	20.23	
10.00 00/07/02 08:05:00	20.55	14180.00
20.00 00/07/02 08:15:00	18.85	14640.00
30.00 00/07/02 08:25:00	21.90	14750.00
40.00 00/07/02 08:35:00	22.60	14750.00
50.00 00/07/02 08:45:00	22.70	14750.00
60.00 00/07/02 09:00:00	22.02	14830.00
70.00 00/07/02 09:10:00	22.70	14740.00
80.00 00/07/02 09:15:00	23.35	
90.00 00/07/02 09:25:00	23.56	
100.00 00/07/02 09:30:00		14740.00
110.00 00/07/02 09:35:00	23.41	
120.00 00/07/02 09:45:00	23.60	14740.00
130.00 00/07/02 09:55:00	23.43	
140.00 00/07/02 10:00:00		14860.00
150.00 00/07/02 10:05:00	24.00	
160.00 00/07/02 10:15:00	24.12	14790.00
170.00 00/07/02 10:25:00	24.25	
180.00 00/07/02 10:30:00		14800.00
190.00 00/07/02 10:35:00	24.46	
200.00 00/07/02 10:45:00	24.21	
210.00 00/07/02 10:55:00	24.32	14750.00
220.00 00/07/02 10:58:00	23.27	
230.00 00/07/02 10:57:00	23.36	
240.00 00/07/02 10:58:00	21.80	
250.00 00/07/02 10:59:00	21.44	
260.00 00/07/02 11:00:00	21.25	
270.00 00/07/02 11:01:00	21.06	
280.00 00/07/02 11:02:00	10.90	
290.00 00/07/02 11:03:00	10.80	
300.00 00/07/02 11:04:00	10.64	
310.00 00/07/02 11:05:00	10.53	
320.00 00/07/02 11:07:00	10.34	
330.00 00/07/02 11:09:00	10.15	
340.00 00/07/02 11:11:00	9.97	
350.00 00/07/02 11:12:00	9.88	
360.00 00/07/02 11:13:00	9.75	
370.00 00/07/02 11:20:00	9.50	

TIME LOGS REPORT

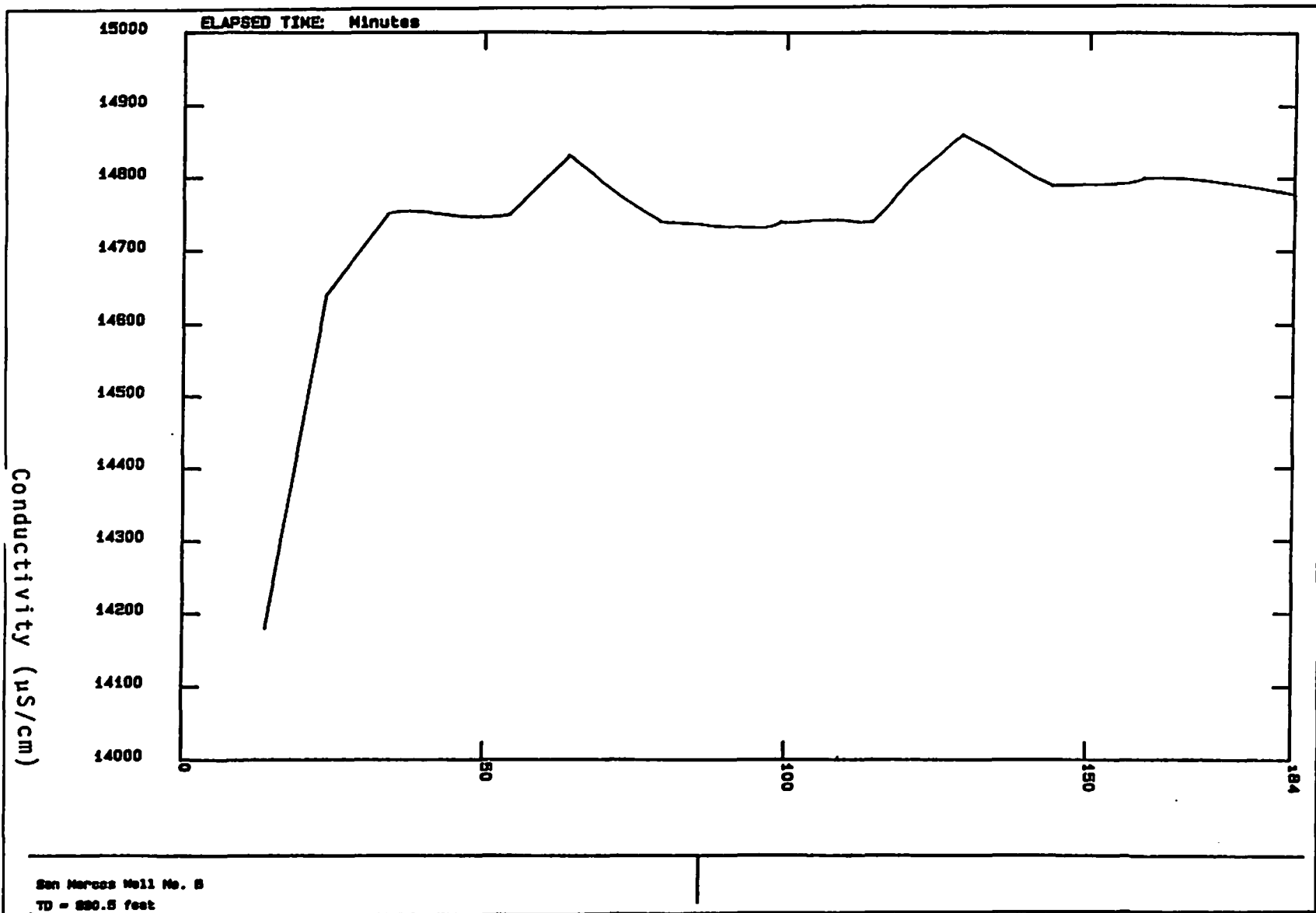
Page 2

TT/HH/DD hh:mm:ss.s
 Date 00/07/02 07:01:00.0
 Well I.D. SWS
 EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Seal MINUTES TT/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
380.00 00/07/02 11:25:00	9.38	
390.00 00/07/02 11:29:00	9.00	
400.00 00/07/02 11:35:00	8.74	
410.00 00/07/02 11:55:00	8.53	
420.00 00/07/02 12:05:00	8.46	
430.00 00/07/02 12:15:00	8.20	
440.00 00/07/02 12:25:00	8.08	
450.00 00/07/02 12:35:00	7.97	
460.00 00/07/02 12:45:00	7.85	
470.00 00/07/02 12:55:00	7.77	
480.00 00/07/02 13:05:00	7.66	
490.00 00/07/02 13:15:00	7.58	
500.00 00/07/02 13:25:00	7.53	
510.00 00/07/02 13:35:00	7.46	
520.00 00/07/02 13:45:00	7.43	
530.00 00/07/02 13:55:00	7.36	



I-134



TIME LOGS REPORT

Page 1

Date **TY/HH/SS hh:mm:ss.s**
90/07/19 23:05:00.0
 Well I.D. **SNC**
EDWARDS UNDERGROUND WATER DISTRICT

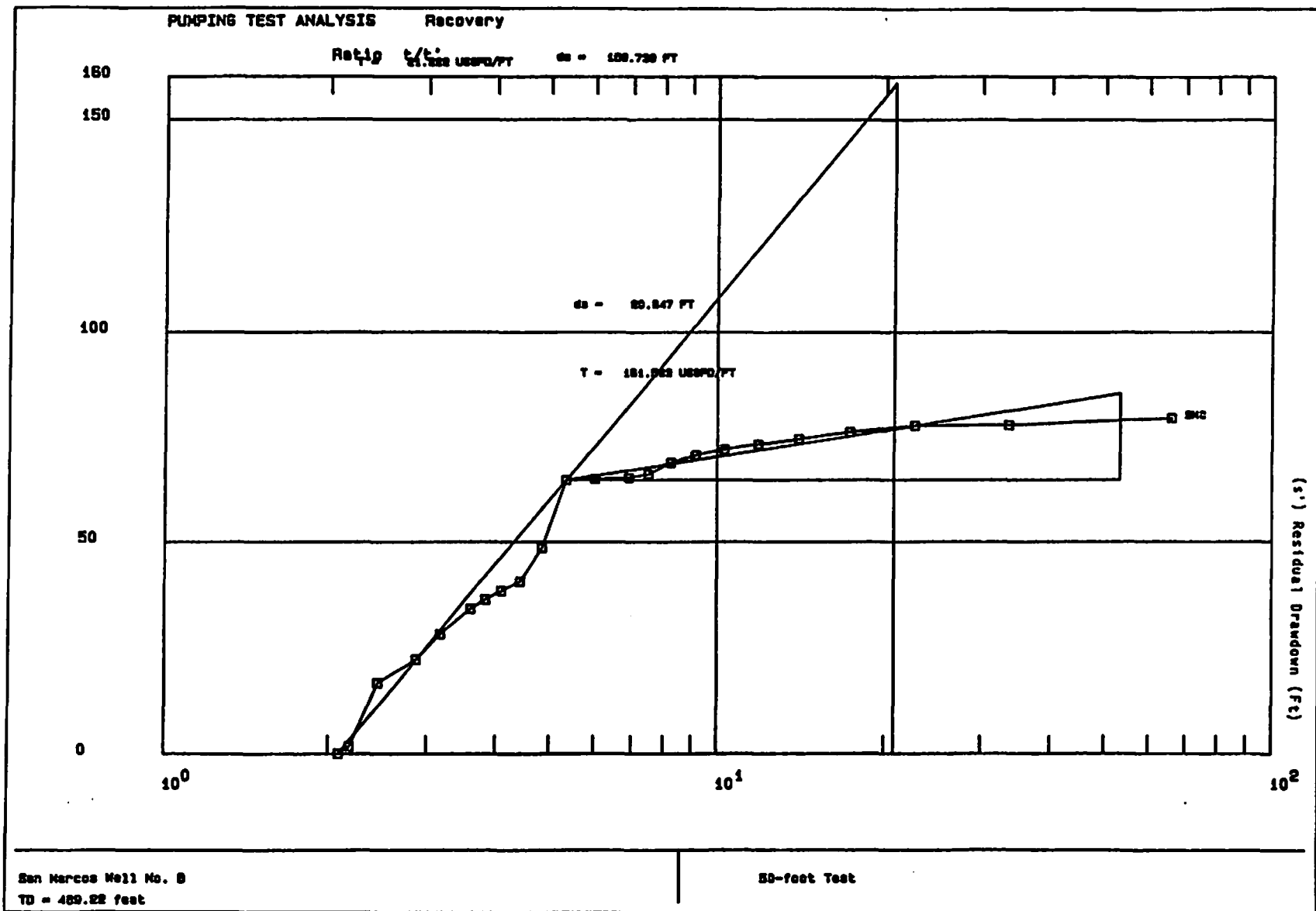
Elapsed - TIME - Seal MINUTES TY/HH/SS hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 90/07/19 23:05:00	30.00	583.00
13.00 90/07/19 23:18:00		486.00
25.00 90/07/19 23:30:00	115.01	4050.00
35.00 90/07/19 23:40:00		8820.00
45.00 90/07/19 23:50:00	115.15	11900.00
55.00 90/07/20 00:00:00		12900.00
60.00 90/07/20 00:05:00		13010.00
65.00 90/07/20 00:10:00	114.40	13090.00
66.00 90/07/20 00:11:00	112.95	
67.00 90/07/20 00:12:00	111.35	
68.00 90/07/20 00:13:00	112.30	
69.00 90/07/20 00:14:00	109.35	
70.00 90/07/20 00:15:00	108.00	
71.00 90/07/20 00:16:00	106.65	
72.00 90/07/20 00:17:00	105.45	
73.00 90/07/20 00:18:00	104.05	
74.00 90/07/20 00:19:00	102.30	
75.00 90/07/20 00:20:00	99.50	
76.00 90/07/20 00:21:00	98.70	
78.00 90/07/20 00:23:00	98.40	
80.00 90/07/20 00:25:00	98.10	
82.00 90/07/20 00:27:00	81.60	
84.00 90/07/20 00:29:00	73.80	
86.00 90/07/20 00:31:00	71.50	
88.00 90/07/20 00:33:00	69.50	
90.00 90/07/20 00:35:00	67.30	
95.00 90/07/20 00:40:00	61.25	
100.00 90/07/20 00:45:00	55.30	
110.00 90/07/20 00:55:00	49.05	
120.00 90/07/20 01:05:00	35.05	
125.00 90/07/20 01:10:00	33.30	

TIME LOGS REPORT

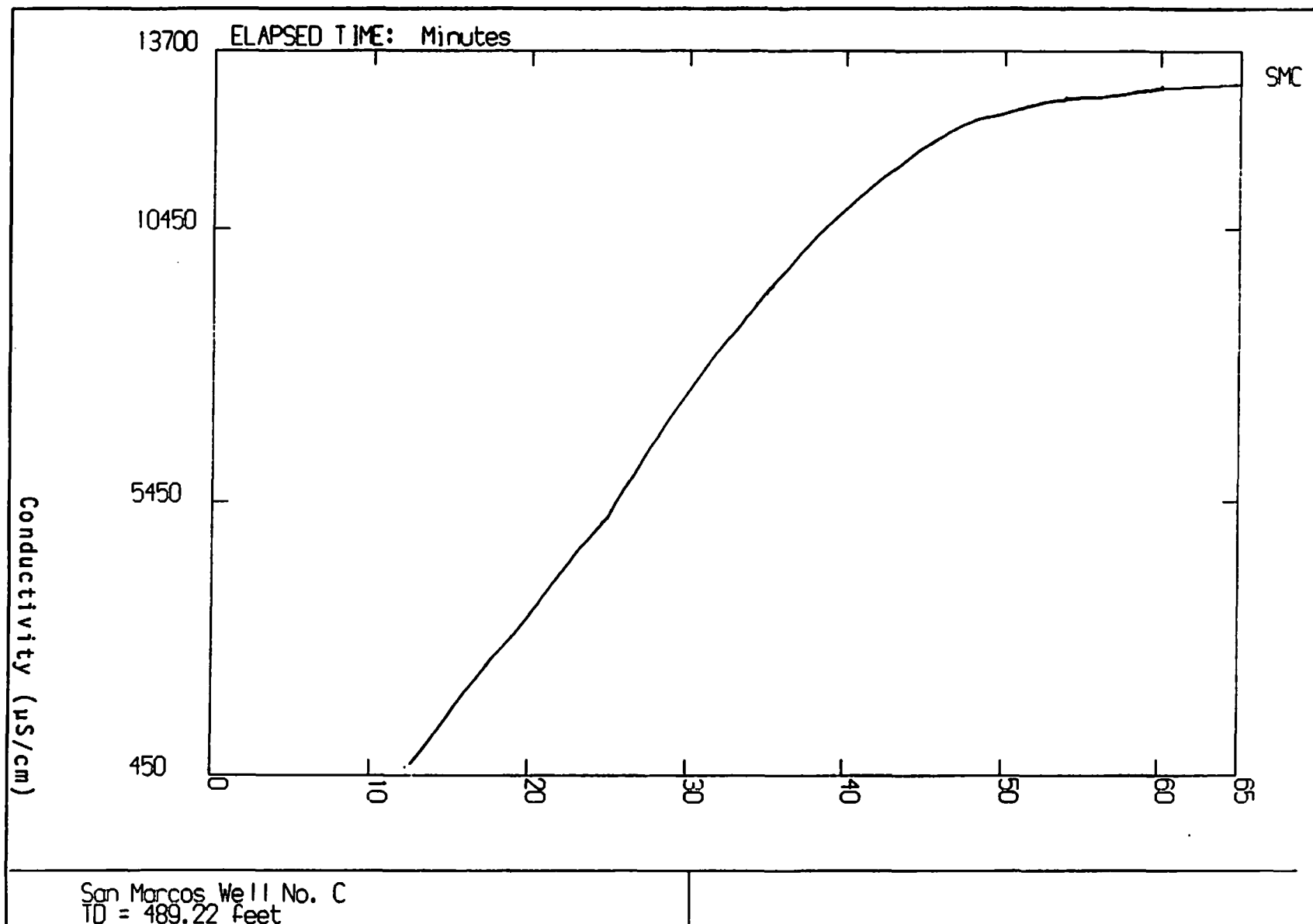
Page 2

Date **TY/HH/SS hh:mm:ss.s**
90/07/19 23:05:00.0
 Well I.D. **SNC**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Seal MINUTES TY/HH/SS hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 90/07/19 23:05:00	25.00
13.00 90/07/19 23:18:00	26.90
25.00 90/07/19 23:30:00	26.60
35.00 90/07/19 23:40:00	26.60
45.00 90/07/19 23:50:00	26.90
55.00 90/07/20 00:00:00	26.90
60.00 90/07/20 00:05:00	26.80
65.00 90/07/20 00:10:00	26.60



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TIME LOGS REPORT

Page 1

Date **YY/MM/DD hh:mm:ss.s**
90/07/20 05:00:00.0

Well I.D. **ENC**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/07/20 05:00:00	8.12	1530.00
10.00	90/07/20 05:10:00	75.30	1670.00
20.00	90/07/20 05:20:00	93.42	2080.00
30.00	90/07/20 05:30:00	97.60	11010.00
40.00	90/07/20 05:40:00	99.51	12450.00
50.00	90/07/20 05:50:00	100.23	13250.00
60.00	90/07/20 06:00:00	100.27	13450.00
70.00	90/07/20 06:10:00	100.33	13550.00
80.00	90/07/20 06:20:00	100.57	13700.00
90.00	90/07/20 06:30:00	100.70	13800.00
91.00	90/07/20 06:31:00	95.31	
92.00	90/07/20 06:32:00	94.95	
93.00	90/07/20 06:33:00	93.65	
94.00	90/07/20 06:34:00	92.60	
95.00	90/07/20 06:35:00	92.51	
96.00	90/07/20 06:36:00	92.12	
97.00	90/07/20 06:37:00	89.73	
98.00	90/07/20 06:38:00	86.15	
99.00	90/07/20 06:39:00	84.62	
100.00	90/07/20 06:40:00	82.34	
101.00	90/07/20 06:41:00	81.49	
102.00	90/07/20 06:42:00	81.60	
103.00	90/07/20 06:43:00	87.82	
104.00	90/07/20 06:44:00	85.54	
105.00	90/07/20 06:45:00	84.21	
107.00	90/07/20 06:47:00	81.03	
109.00	90/07/20 06:49:00	48.75	
111.00	90/07/20 06:51:00	41.95	
113.00	90/07/20 06:53:00	38.75	
115.00	90/07/20 06:55:00	36.60	
117.00	90/07/20 06:57:00	34.03	
119.00	90/07/20 06:59:00	31.42	
121.00	90/07/20 07:01:00	29.21	
127.00	90/07/20 07:07:00	21.70	
132.00	90/07/20 07:12:00	18.70	
142.00	90/07/20 07:22:00	14.40	
152.00	90/07/20 07:32:00	11.76	
162.00	90/07/20 07:42:00	10.05	
172.00	90/07/20 07:52:00	8.69	
182.00	90/07/20 08:02:00	8.12	

TIME LOGS REPORT

Page 2

Date **YY/MM/DD hh:mm:ss.s**
90/07/20 08:00:00.0

Well I.D. **ENC**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
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TIME LOGS REPORT

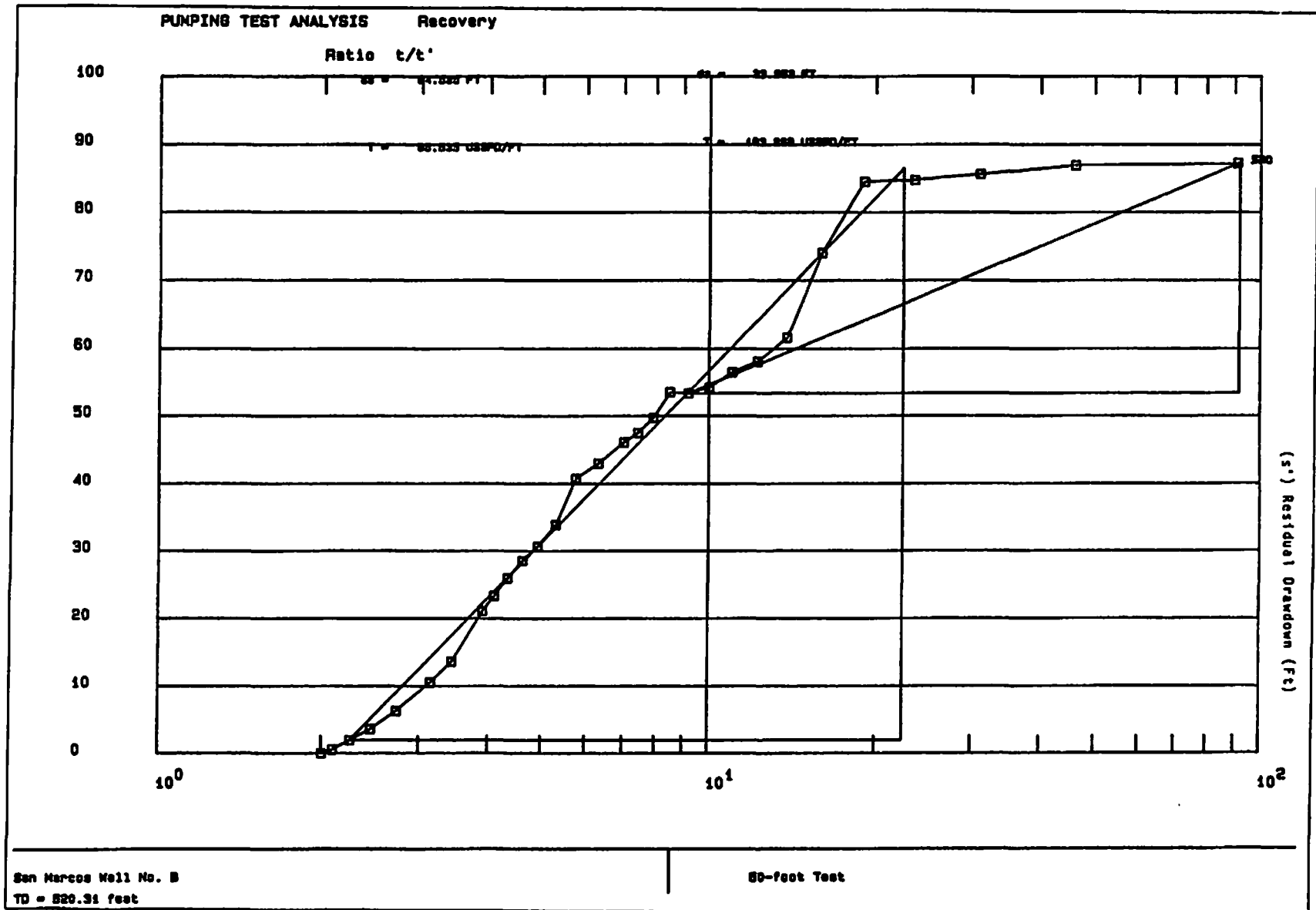
Page 3

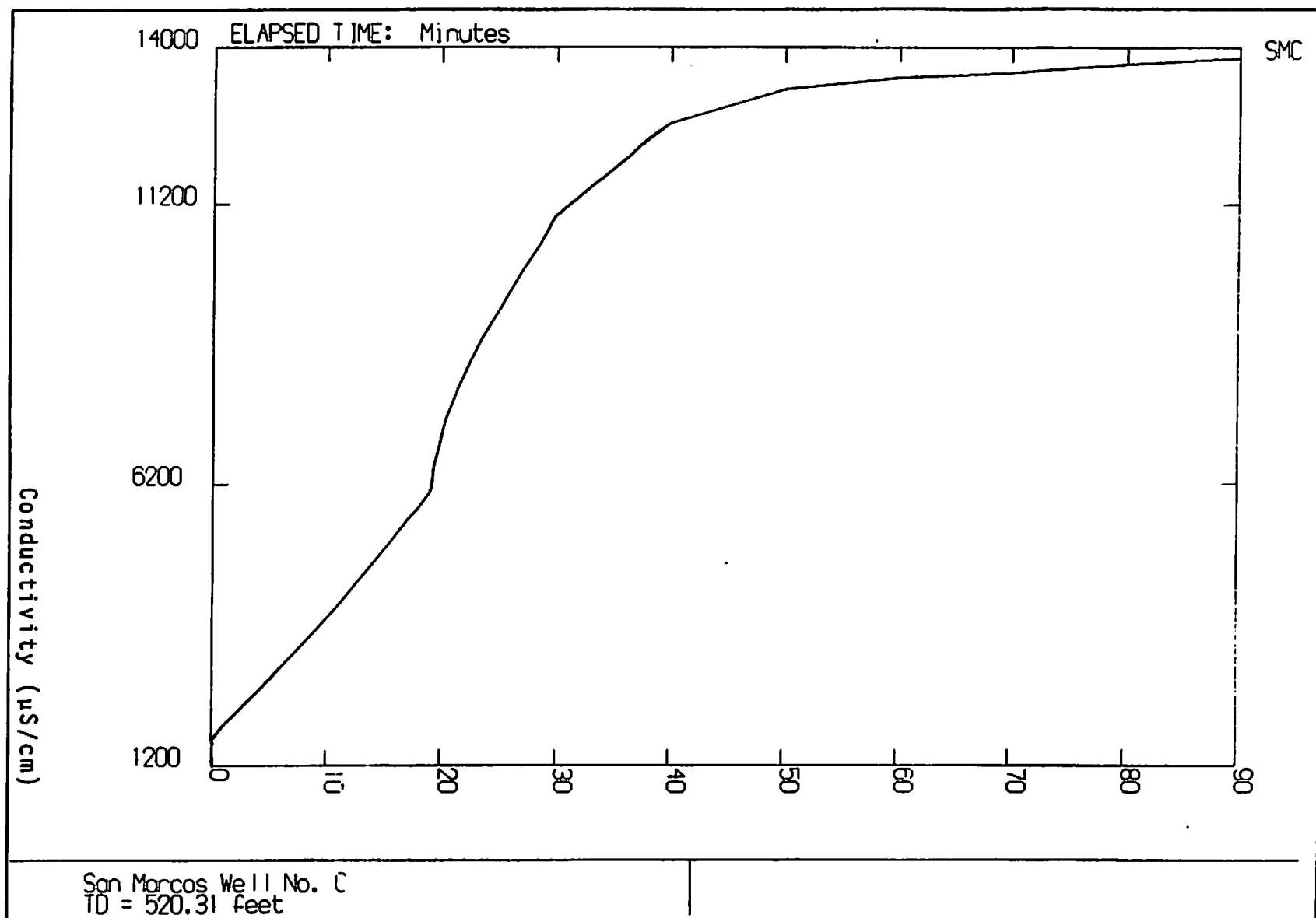
Date **YY/MM/DD hh:mm:ss.s**
90/07/20 08:00:00.0

Well I.D. **ENC**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/07/20 08:00:00	24.50
10.00	90/07/20 08:10:00	24.90
20.00	90/07/20 08:20:00	24.80
30.00	90/07/20 08:30:00	24.80
40.00	90/07/20 08:40:00	24.80
50.00	90/07/20 08:50:00	24.80
60.00	90/07/20 09:00:00	24.80
70.00	90/07/20 09:10:00	24.70
80.00	90/07/20 09:20:00	24.70
90.00	90/07/20 09:30:00	24.70





TIME LOGS REPORT

Page 1

Date **00/07/20 13:30:00.0**
 Well **I.D. ENC**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Seal MINUTES	TIME/HR/20 h:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/07/20 13:30:00	9.85	
10.00	00/07/20 13:40:00		4365.00
20.00	00/07/20 13:50:00	95.20	6467.00
30.00	00/07/20 14:00:00	94.10	9534.00
40.00	00/07/20 14:10:00	94.96	11020.00
50.00	00/07/20 14:20:00	95.64	13000.00
60.00	00/07/20 14:30:00	94.86	13300.00
61.00	00/07/20 14:31:00	97.43	
62.00	00/07/20 14:32:00	86.88	
63.00	00/07/20 14:33:00	86.30	
64.00	00/07/20 14:34:00		
65.00	00/07/20 14:35:00	75.61	
66.00	00/07/20 14:36:00	71.45	
67.00	00/07/20 14:37:00	66.98	
68.00	00/07/20 14:38:00	63.10	
69.00	00/07/20 14:39:00	59.52	
70.00	00/07/20 14:40:00	55.00	
71.00	00/07/20 14:41:00	53.14	
72.00	00/07/20 14:42:00	47.48	
73.00	00/07/20 14:43:00	42.13	
74.00	00/07/20 14:44:00	38.30	
75.00	00/07/20 14:45:00		
76.00	00/07/20 14:46:00	33.10	
77.00	00/07/20 14:47:00	30.13	
78.00	00/07/20 14:48:00	24.90	
79.00	00/07/20 14:49:00	20.44	
80.00	00/07/20 14:50:00	14.90	
100.00	00/07/20 15:10:00		
110.00	00/07/20 15:20:00	11.60	
120.00	00/07/20 15:30:00	9.65	

TIME LOGS REPORT

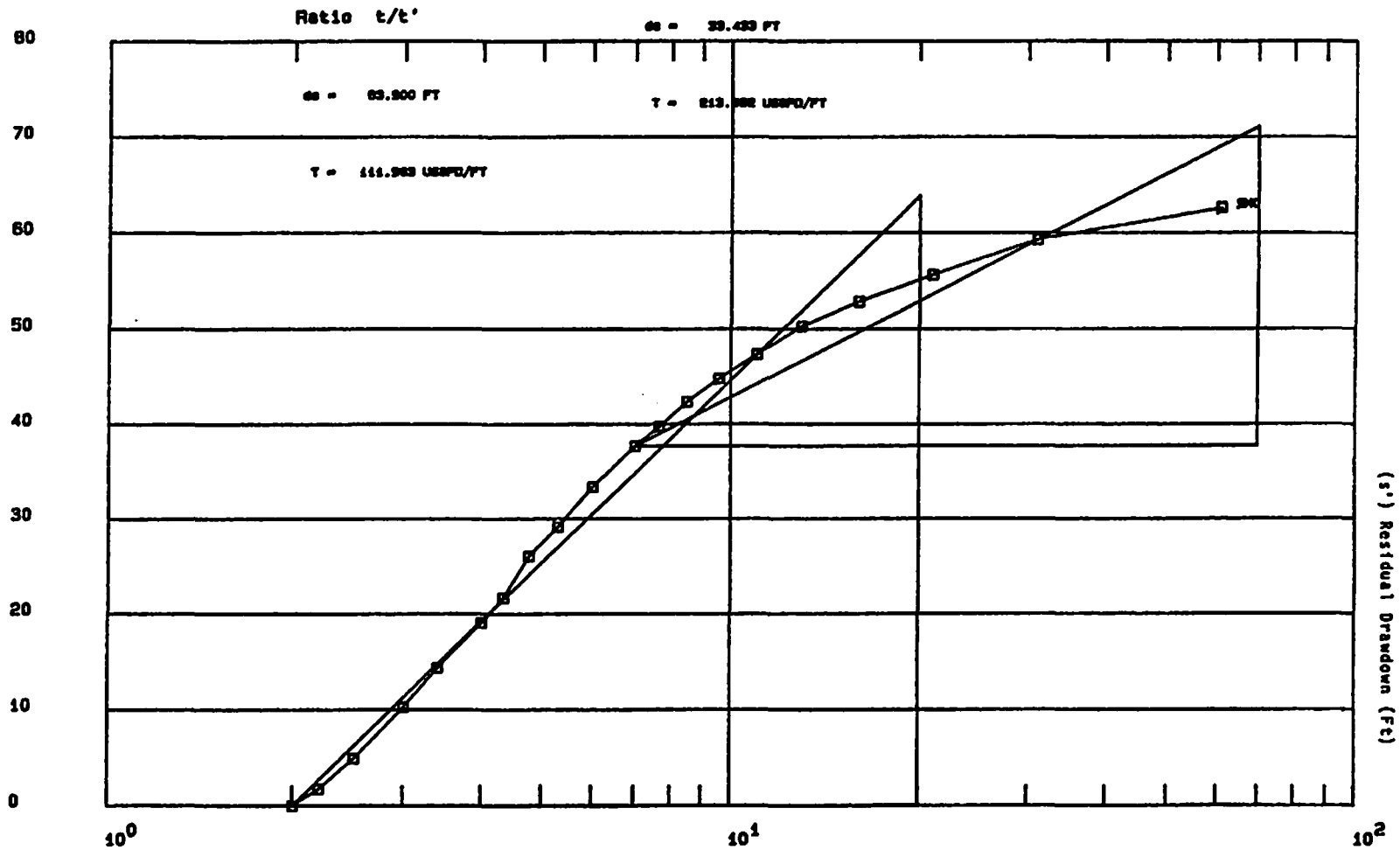
Page 2

Date **00/07/20 13:30:00.0**
 Well **I.D. ENC**

EDWARDS UNDERGROUND WATER DISTRICT

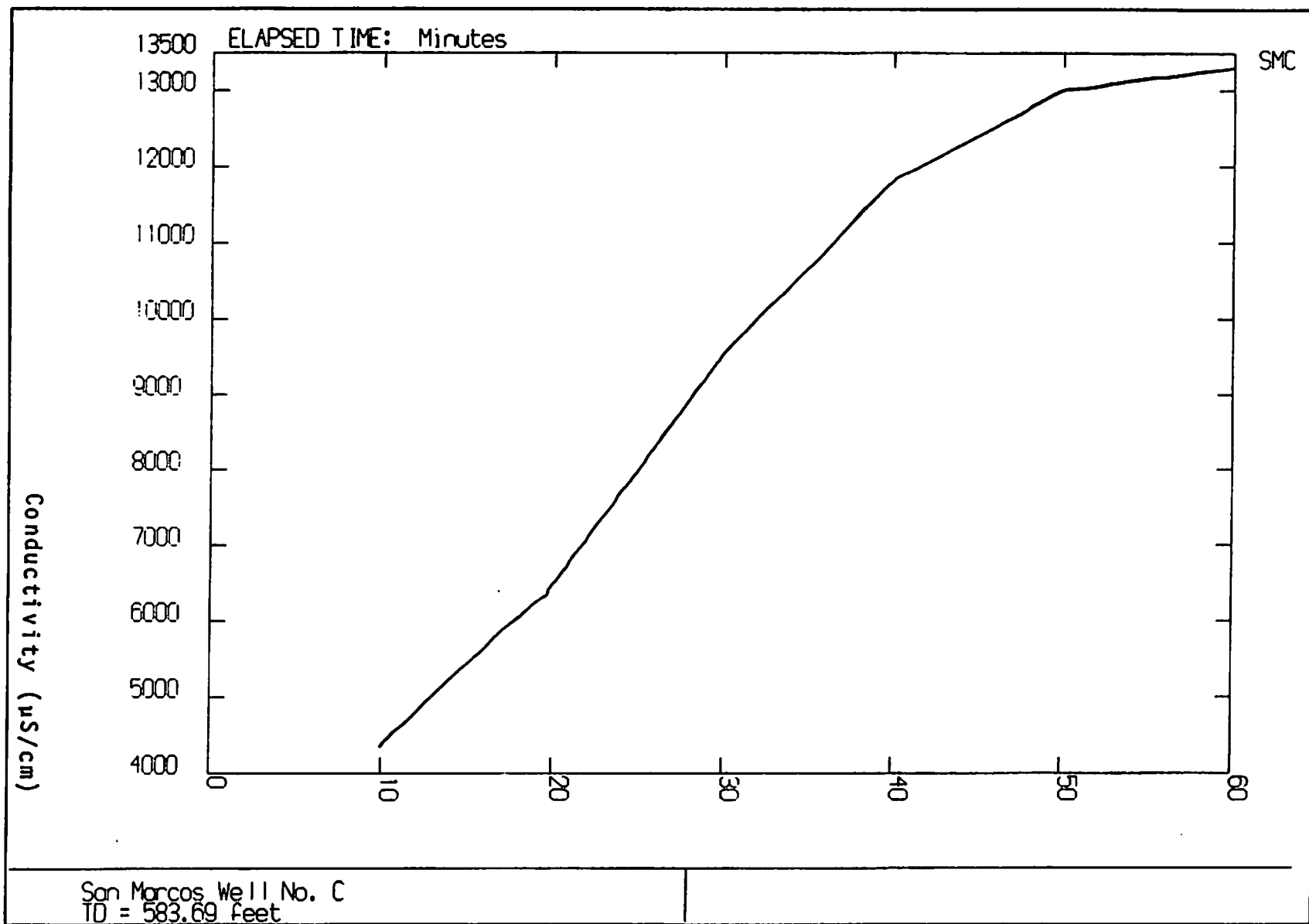
Elapsed - TIME - Seal MINUTES	TIME/HR/20 h:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/07/20 13:30:00	
10.00	00/07/20 13:40:00	26.50
20.00	00/07/20 13:50:00	26.50
30.00	00/07/20 14:00:00	26.50
40.00	00/07/20 14:10:00	26.50
50.00	00/07/20 14:20:00	26.50
60.00	00/07/20 14:30:00	26.50

PUMPING TEST ANALYSIS Recovery



San Marcos Well No. C
TD = 683.69 feet

55-foot Test



TIME LOGS REPORT

Page 1

Date TY/HH/DD hh:mm:ss.s
 90/07/21 17:25:00.0

Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (MICROSIEMENS per Centimeter)
0.00 90/07/21 17:25:00	7.99	
10.00 90/07/21 17:35:00	99.37	10752.00
20.00 90/07/21 17:45:00	105.23	12240.00
30.00 90/07/21 17:55:00	106.86	13140.00
40.00 90/07/21 18:05:00	107.10	13800.00
50.00 90/07/21 18:15:00	107.52	13860.00
60.00 90/07/21 18:25:00	108.06	14020.00
61.00 90/07/21 18:26:00	97.72	
69.00 90/07/21 18:34:00	40.51	
70.00 90/07/21 18:35:00	36.58	
72.00 90/07/21 18:37:00	31.26	
74.00 90/07/21 18:39:00	26.33	
76.00 90/07/21 18:41:00	22.98	
78.00 90/07/21 18:43:00	20.36	
80.00 90/07/21 18:45:00	18.28	
85.00 90/07/21 18:50:00	14.37	
90.00 90/07/21 19:00:00	12.30	
100.00 90/07/21 19:05:00	9.38	
110.00 90/07/21 19:15:00	8.79	
120.00 90/07/21 19:25:00	7.99	

TIME LOGS REPORT

Page 2

Date TY/HH/DD hh:mm:ss.s
 90/07/21 17:25:00.0

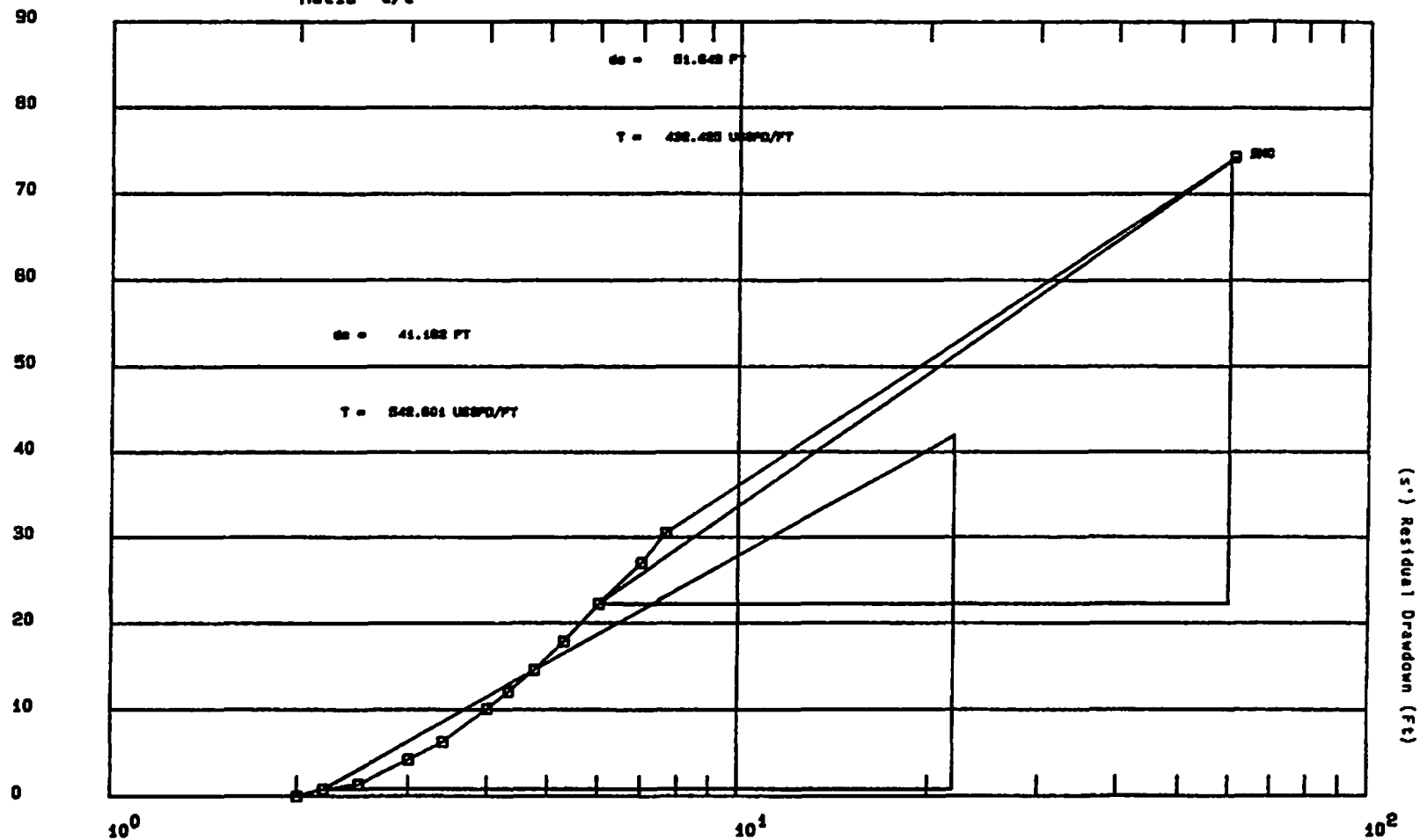
Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 90/07/21 17:25:00	
10.00 90/07/21 17:35:00	29.00
20.00 90/07/21 17:45:00	28.25
30.00 90/07/21 17:55:00	27.50
40.00 90/07/21 18:05:00	27.50
50.00 90/07/21 18:15:00	27.00
60.00 90/07/21 18:25:00	26.50

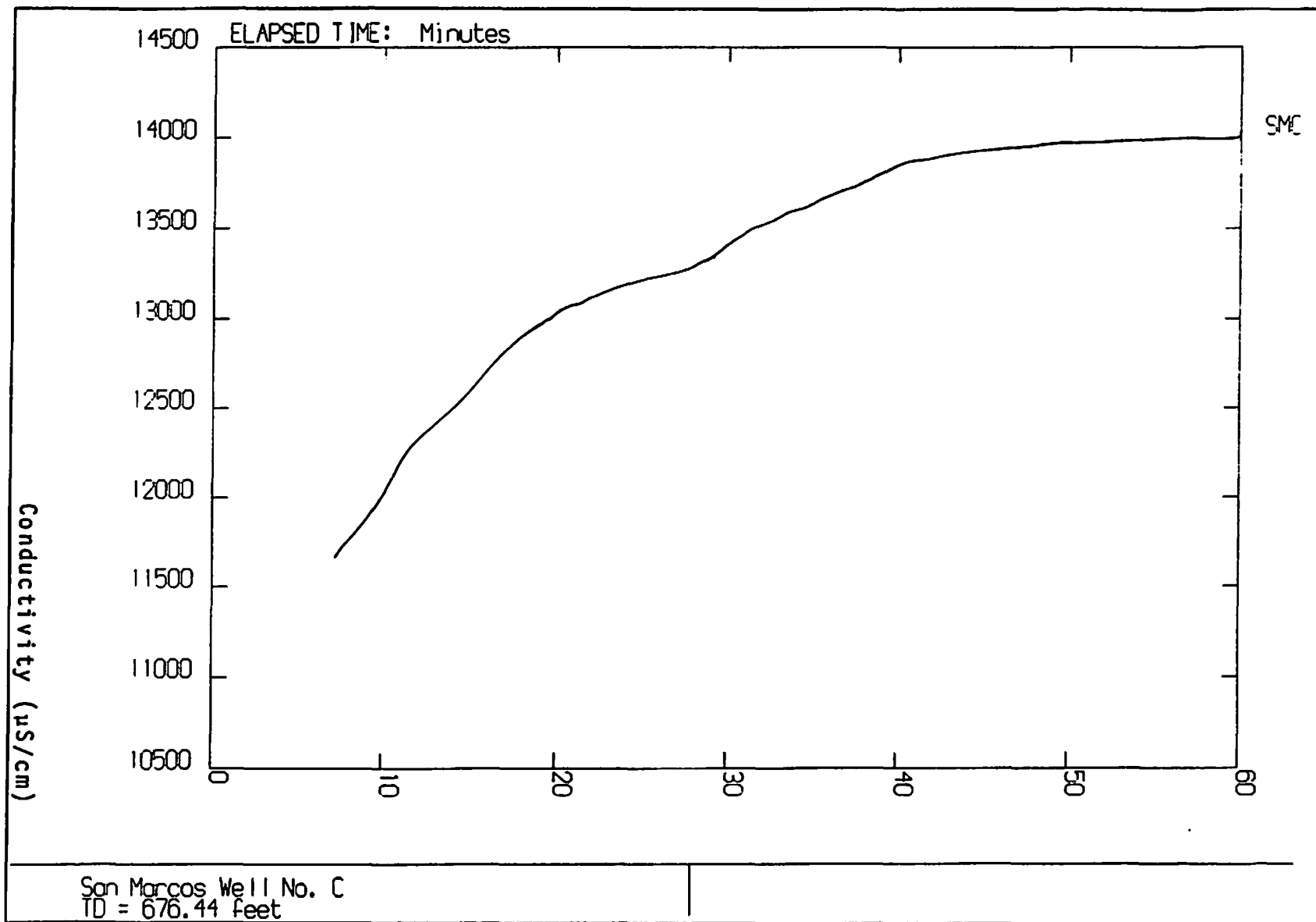
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



San Marcos Well No. C
TD = 678.44 feet

50-foot Test



TIME LOGS REPORT

Page 1

Date YY/MM/DD hh:mm:ss.s
90/07/21 22:45:00.0
Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 90/07/21 22:45:00	5.33	11000.00
1.00 90/07/21 22:46:00	49.65	
2.00 90/07/21 22:47:00	58.13	
3.00 90/07/21 22:48:00	61.20	
4.00 90/07/21 22:49:00	62.55	
5.00 90/07/21 22:50:00	65.70	
6.00 90/07/21 22:51:00	65.03	
7.00 90/07/21 22:52:00	65.08	
8.00 90/07/21 22:53:00	65.12	
9.00 90/07/21 22:54:00	65.24	
10.00 90/07/21 22:55:00	65.28	11850.00
11.00 90/07/21 22:56:00	65.28	
12.00 90/07/21 22:57:00	65.28	
13.00 90/07/21 22:58:00	65.28	
14.00 90/07/21 22:59:00	65.28	
15.00 90/07/21 23:00:00	65.29	
20.00 90/07/21 23:05:00	65.29	12850.00
25.00 90/07/21 23:10:00	69.16	
30.00 90/07/21 23:15:00		13260.00
35.00 90/07/21 23:20:00	69.90	
40.00 90/07/21 23:25:00		13760.00
45.00 90/07/21 23:30:00	70.10	
50.00 90/07/21 23:35:00		13900.00
55.00 90/07/21 23:40:00	70.40	
60.00 90/07/21 23:45:00		14020.00
65.00 90/07/21 23:50:00	41.60	
70.00 90/07/22 00:00:00	11.32	
80.00 90/07/22 00:05:00	10.75	
90.00 90/07/22 00:10:00	9.60	
100.00 90/07/22 00:15:00	7.58	
110.00 90/07/22 00:20:00	7.33	
120.00 90/07/22 00:25:00	7.20	

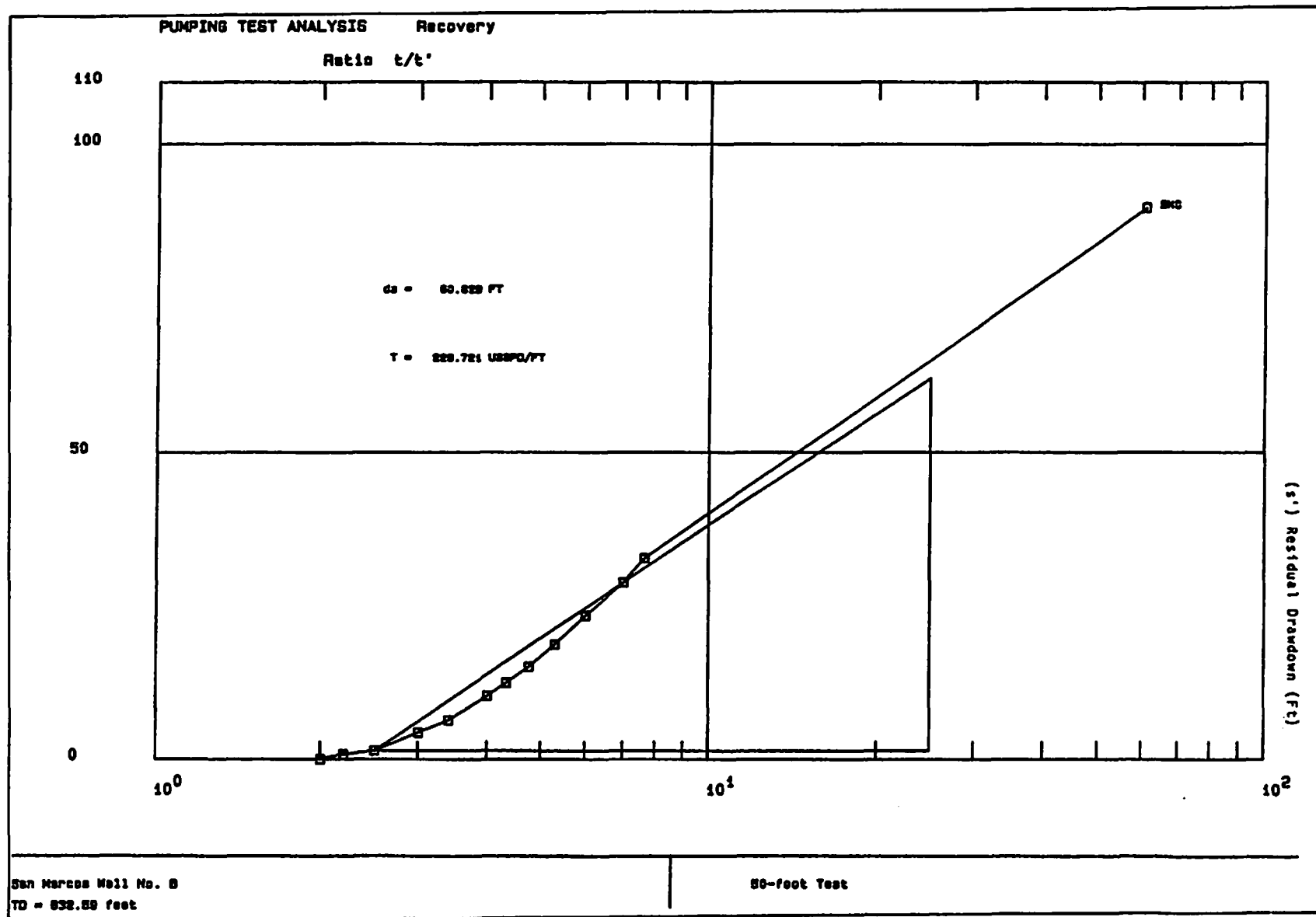
TIME LOGS REPORT

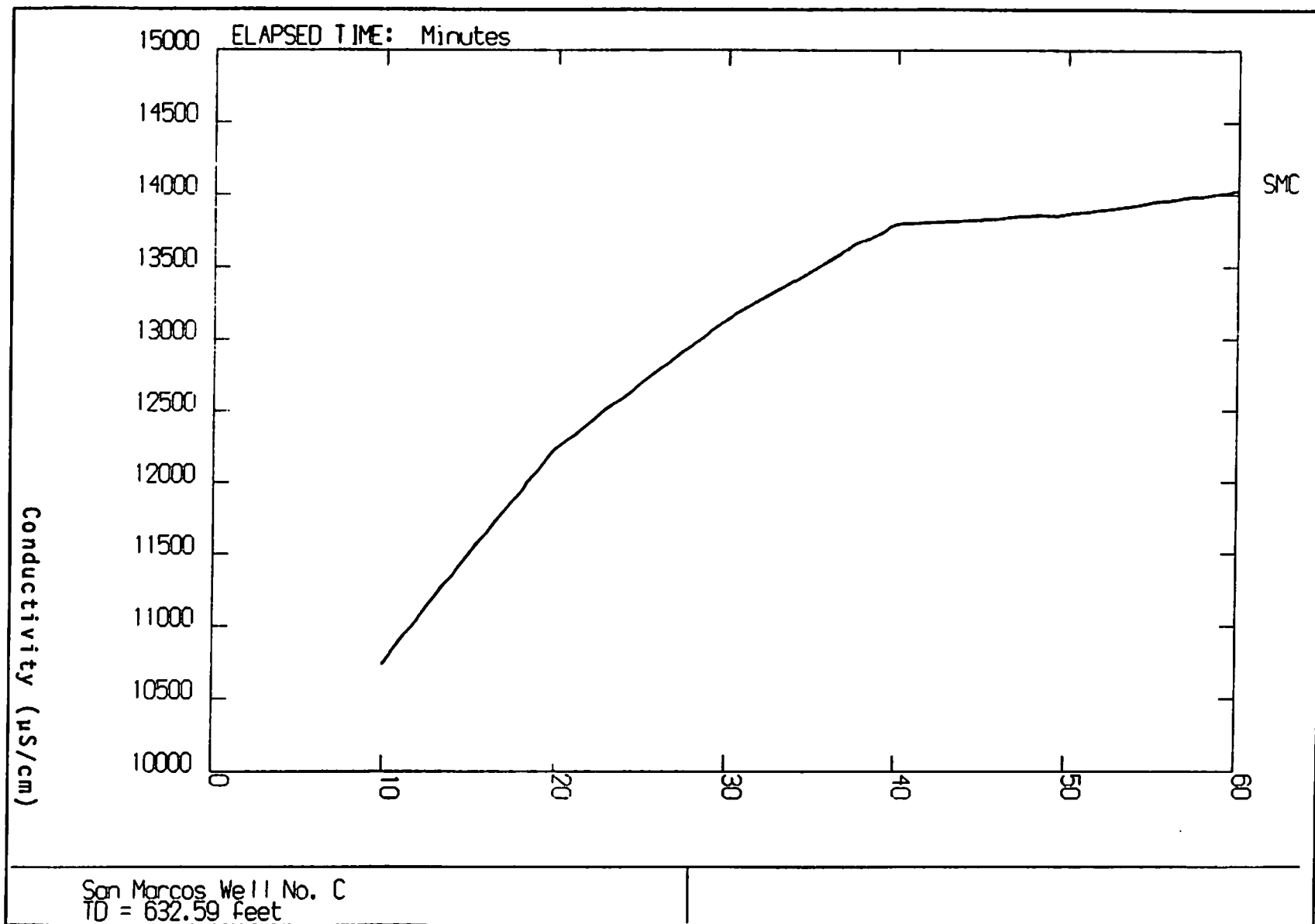
Page 2

Date YY/MM/DD hh:mm:ss.s
90/07/21 23:45:00.0
Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 90/07/21 23:45:00	27.30
10.00 90/07/21 23:55:00	27.00
20.00 90/07/21 23:05:00	26.40
30.00 90/07/21 23:15:00	26.20
40.00 90/07/21 23:25:00	26.00
50.00 90/07/21 23:35:00	25.90
60.00 90/07/21 23:45:00	25.80





TIME LOGS REPORT Page 1

Date TY/KH/DD hh:mm:ss
90/07/21 04:20:00.0

Well I.D. SMC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/KH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/07/21 04:20:00		
1.00	90/07/21 04:21:00	5.40	
15.00	90/07/21 04:35:00	129.99	
25.00	90/07/21 04:45:00	173.42	
30.00	90/07/21 04:50:00		12090.00
35.00	90/07/21 04:55:00	179.82	
45.00	90/07/21 05:05:00	187.47	
55.00	90/07/21 05:15:00	190.82	
65.00	90/07/21 05:25:00	164.67	14160.00
75.00	90/07/21 05:35:00	144.02	14250.00
85.00	90/07/21 05:45:00	140.14	
95.00	90/07/21 05:55:00	149.22	14320.00
105.00	90/07/21 06:05:00	149.92	
110.00	90/07/21 06:10:00		14340.00
115.00	90/07/21 06:15:00	150.29	
125.00	90/07/21 06:25:00	150.72	
130.00	90/07/21 06:30:00		14450.00
135.00	90/07/21 06:35:00	150.42	
145.00	90/07/21 06:45:00	150.17	
150.00	90/07/21 06:50:00		14450.00
155.00	90/07/21 06:55:00	150.39	
165.00	90/07/21 07:05:00	150.70	
170.00	90/07/21 07:10:00		14450.00
175.00	90/07/21 07:15:00	150.70	
185.00	90/07/21 07:25:00	150.70	14450.00
186.00	90/07/21 07:26:00	136.58	
187.00	90/07/21 07:27:00	126.41	
188.00	90/07/21 07:28:00	116.81	
189.00	90/07/21 07:29:00	105.92	
190.00	90/07/21 07:30:00	103.60	
191.00	90/07/21 07:31:00	101.10	
192.00	90/07/21 07:32:00	91.00	
193.00	90/07/21 07:33:00	90.28	
194.00	90/07/21 07:34:00	86.48	
195.00	90/07/21 07:35:00	81.42	
196.00	90/07/21 07:36:00	66.60	
201.00	90/07/21 07:41:00	61.61	
203.00	90/07/21 07:43:00	57.16	
204.00	90/07/21 07:44:00	52.67	

TIME LOGS REPORT Page 2

Date TY/KH/DD hh:mm:ss
90/07/21 04:20:00.0

Well I.D. SMC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/KH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
210.00	90/07/21 07:50:00	44.20	
215.00	90/07/21 07:55:00	37.97	
225.00	90/07/21 08:05:00	30.00	
235.00	90/07/21 08:15:00	24.77	
245.00	90/07/21 08:25:00	21.09	
255.00	90/07/21 08:35:00	18.46	
265.00	90/07/21 08:45:00	17.15	
275.00	90/07/21 08:55:00	15.58	
285.00	90/07/21 09:05:00	14.66	
295.00	90/07/21 09:15:00	13.62	
305.00	90/07/21 09:25:00	12.03	
315.00	90/07/21 09:35:00	12.27	
325.00	90/07/21 09:45:00	11.67	
335.00	90/07/21 09:55:00	11.17	
345.00	90/07/21 10:05:00	10.70	
355.00	90/07/21 10:15:00	10.24	
365.00	90/07/21 10:25:00	9.81	

TIME LOGS REPORT Page 3

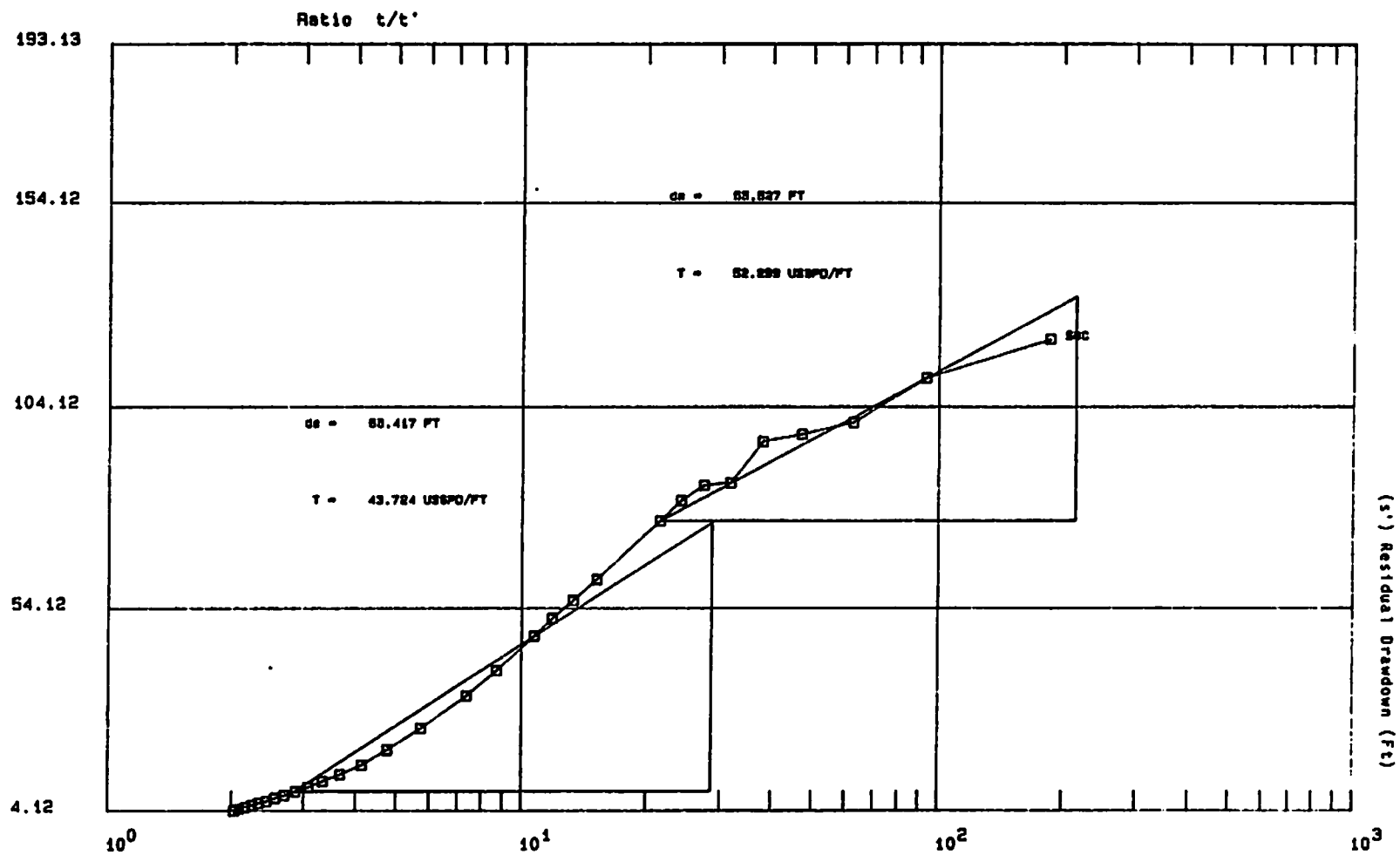
Date TY/KH/DD hh:mm:ss
90/07/21 04:20:00.0

Well I.D. SMC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TY/KH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/07/21 04:20:00	
35.00	90/07/21 04:50:00	26.60
65.00	90/07/21 05:20:00	26.40
75.00	90/07/21 05:30:00	26.40
90.00	90/07/21 05:50:00	26.40
110.00	90/07/21 06:10:00	26.30
120.00	90/07/21 06:20:00	26.30
156.00	90/07/21 06:50:00	26.30
170.00	90/07/21 07:10:00	26.30
185.00	90/07/21 07:25:00	26.30

PUMPING TEST ANALYSIS Recovery

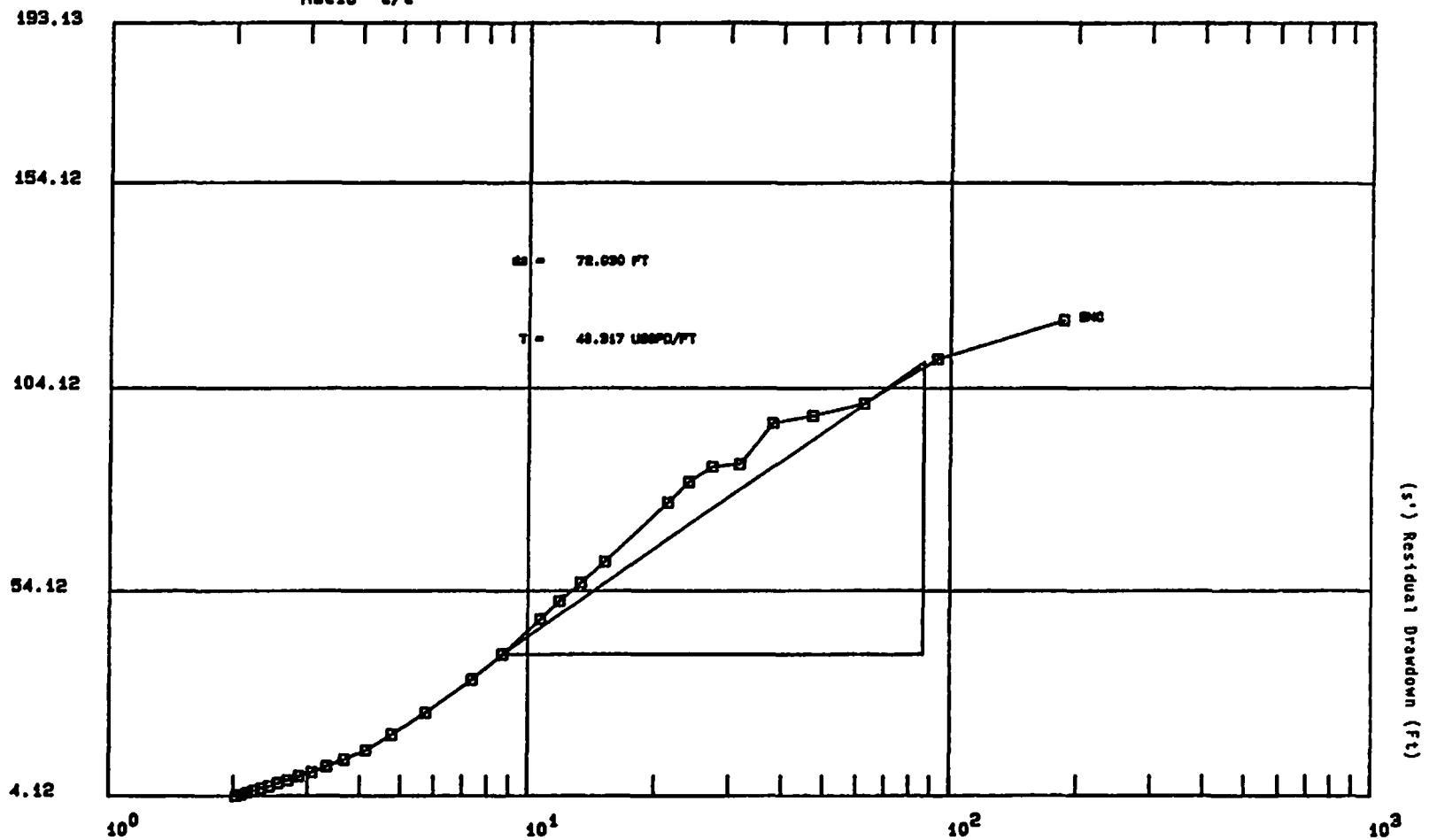


San Marcos Well No. C
TD = 583.69 feet

Packer Test/Interval = 520-583.69

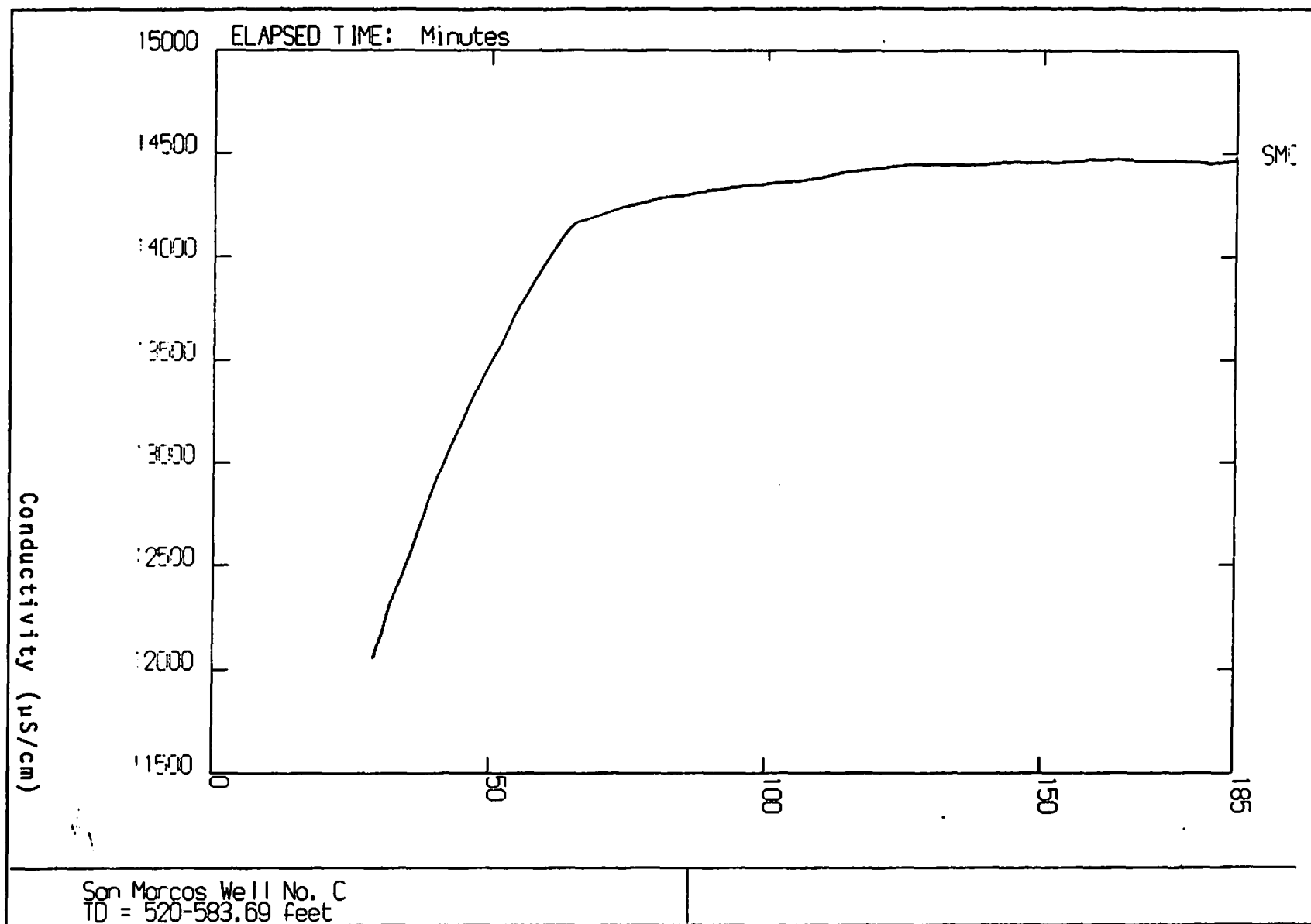
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



San Marcos Well No. C
TD = 583.69 feet

Packer Test/Interval = 520-583.69 feet



TIME LOGS REPORT

Page 1

Date TY/KN/DD hh:mm:ss.s
90/07/23 01:15:00.0
Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/KN/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 90/07/23 01:15:00	18.65	14320.00
10.00 90/07/23 01:25:00	20.65	14410.00
20.00 90/07/23 01:35:00	20.56	14410.00
30.00 90/07/23 01:45:00	20.56	14410.00
40.00 90/07/23 01:55:00	20.59	14400.00
50.00 90/07/23 02:05:00	20.70	14400.00
60.00 90/07/23 02:15:00	20.72	14400.00
70.00 90/07/23 02:25:00	20.60	
80.00 90/07/23 02:35:00	22.50	
90.00 90/07/23 02:45:00	21.60	
100.00 90/07/23 02:55:00	20.30	
110.00 90/07/23 03:05:00	19.70	
120.00 90/07/23 03:15:00	18.93	
130.00 90/07/23 03:25:00	18.00	
140.00 90/07/23 03:35:00	17.45	
150.00 90/07/23 03:45:00	17.38	
160.00 90/07/23 03:55:00	16.90	
170.00 90/07/23 04:05:00	16.30	
180.00 90/07/23 04:15:00	15.70	
190.00 90/07/23 04:25:00	15.30	
200.00 90/07/23 04:35:00	14.78	
210.00 90/07/23 04:45:00	14.39	
220.00 90/07/23 04:55:00	13.98	
230.00 90/07/23 05:05:00	13.70	
240.00 90/07/23 05:15:00	13.50	
250.00 90/07/23 05:25:00	13.65	
260.00 90/07/23 05:35:00	12.40	
270.00 90/07/23 05:45:00	11.65	
280.00 90/07/23 05:55:00	11.15	
290.00 90/07/23 06:05:00	10.85	

TIME LOGS REPORT

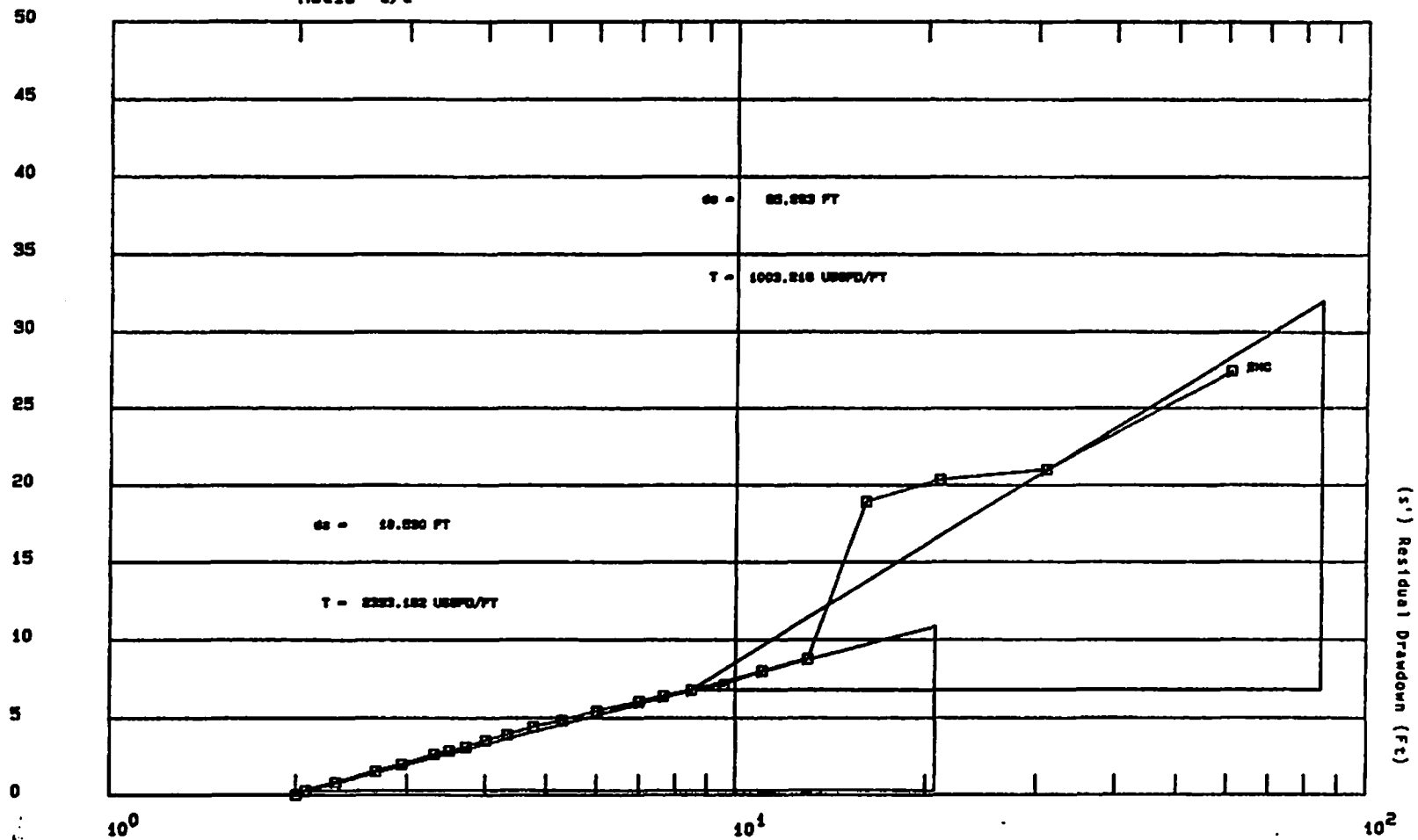
Page 2

Date TY/KN/DD hh:mm:ss.s
90/07/23 01:15:00.0
Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

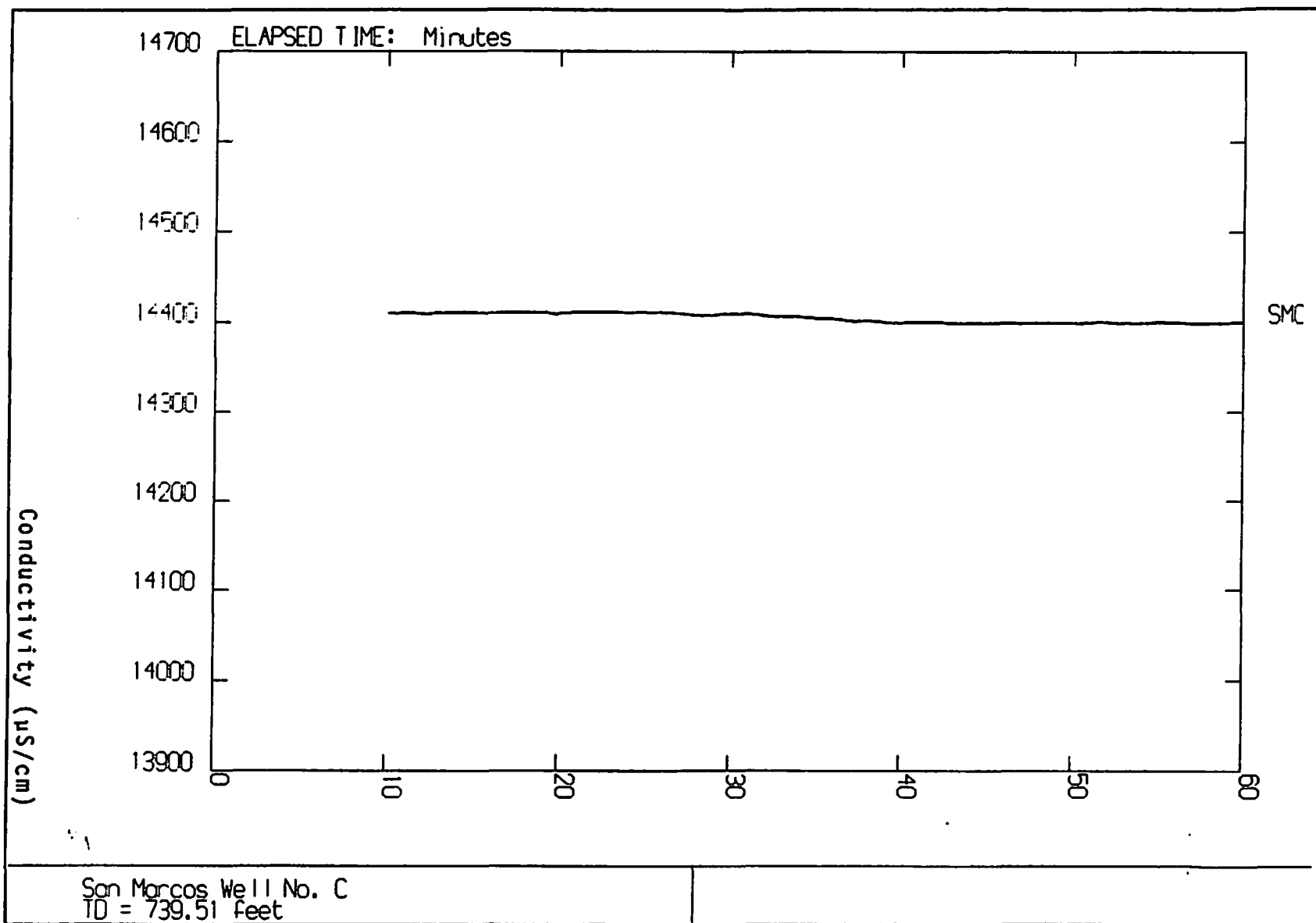
Elapsed - TIME - Real MINUTES TY/KN/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 90/07/23 01:15:00	25.80
10.00 90/07/23 01:25:00	25.80
20.00 90/07/23 01:35:00	25.80
30.00 90/07/23 01:45:00	25.80
40.00 90/07/23 01:55:00	25.80
50.00 90/07/23 02:05:00	25.80
60.00 90/07/23 02:15:00	25.80

PUMPING TEST ANALYSIS Recovery

Ratio t/t' 

San Marcos Well No. C
TD = 739.51 feet

50-foot Test



----- TIME LOGS REPORT -----

Page 1

Date TT/KK/DD hh:mm:ss.s
 Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/KK/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/07/23 09:30:00	12.76	
10.00	90/07/23 09:40:00	40.40	14320.00
11.00	90/07/23 09:41:00	40.32	
20.00	90/07/23 09:50:00	40.30	14340.00
30.00	90/07/23 10:00:00	40.38	14410.00
40.00	90/07/23 10:10:00	40.30	14400.00
50.00	90/07/23 10:20:00	40.41	14400.00
60.00	90/07/23 10:30:00	43.47	14400.00
61.00	90/07/23 10:31:00	20.41	
62.00	90/07/23 10:32:00	24.00	
43.00	90/07/23 10:33:00	19.12	
64.00	90/07/23 10:34:00	22.07	
65.00	90/07/23 10:35:00	20.30	
66.00	90/07/23 10:36:00	19.75	
67.00	90/07/23 10:37:00	19.17	
68.00	90/07/23 10:38:00	18.66	
69.00	90/07/23 10:39:00	18.22	
70.00	90/07/23 10:40:00	17.94	
72.00	90/07/23 10:42:00	17.44	
74.00	90/07/23 10:44:00	16.94	
76.00	90/07/23 10:46:00	16.54	
78.00	90/07/23 10:48:00	16.17	
80.00	90/07/23 10:50:00	15.93	
85.00	90/07/23 10:55:00	15.19	
90.00	90/07/23 11:00:00	14.05	
100.00	90/07/23 11:10:00	13.46	
110.00	90/07/23 11:20:00	13.27	
120.00	90/07/23 11:30:00	13.76	

----- TIME LOGS REPORT -----

Page 2

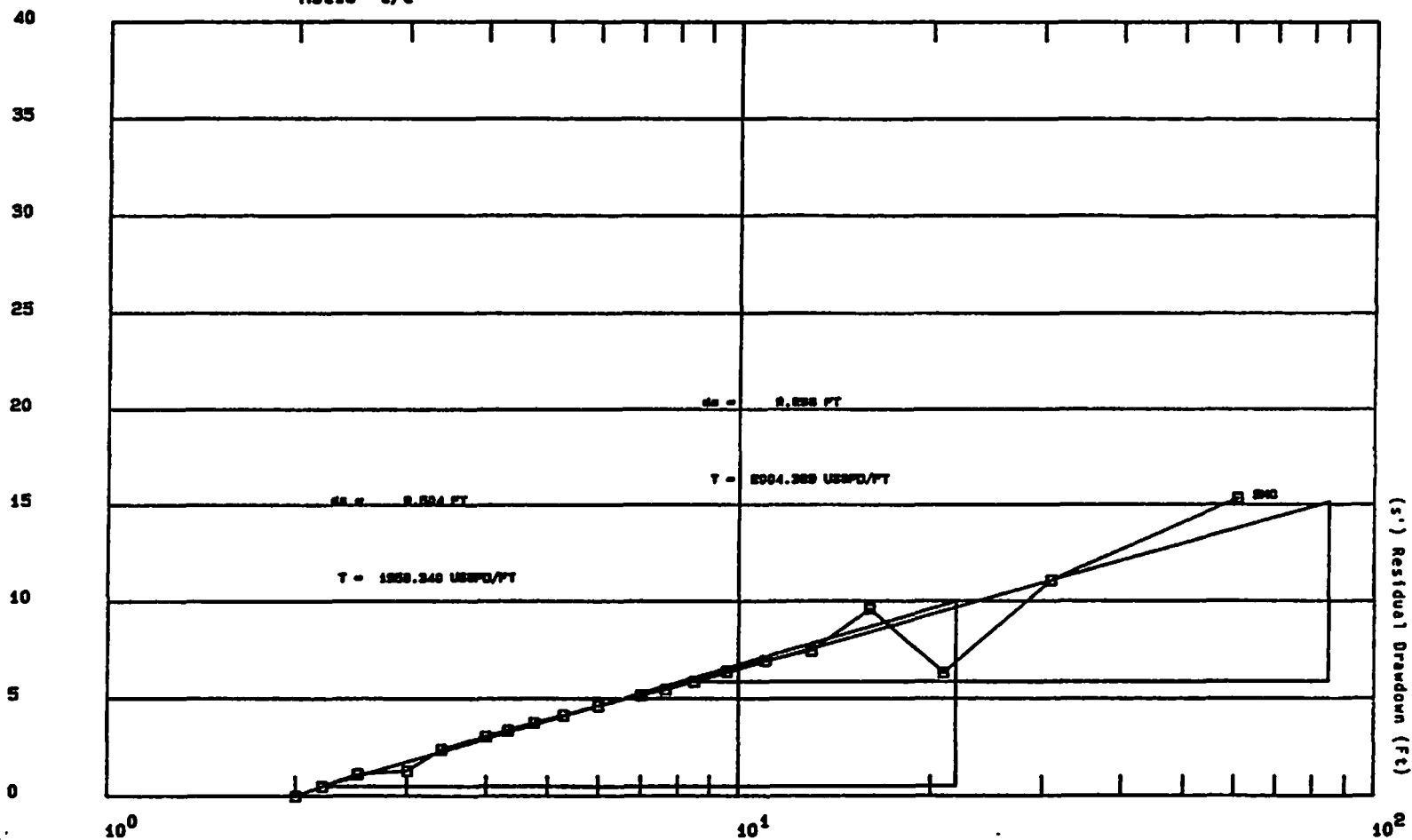
Date TT/KK/DD hh:mm:ss.s
 Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real TT/KK/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/07/23 09:30:00	
10.00	90/07/23 09:40:00	26.50
20.00	90/07/23 09:50:00	26.00
30.00	90/07/23 10:00:00	26.00
40.00	90/07/23 10:10:00	26.00
50.00	90/07/23 10:20:00	26.00
60.00	90/07/23 10:30:00	26.00

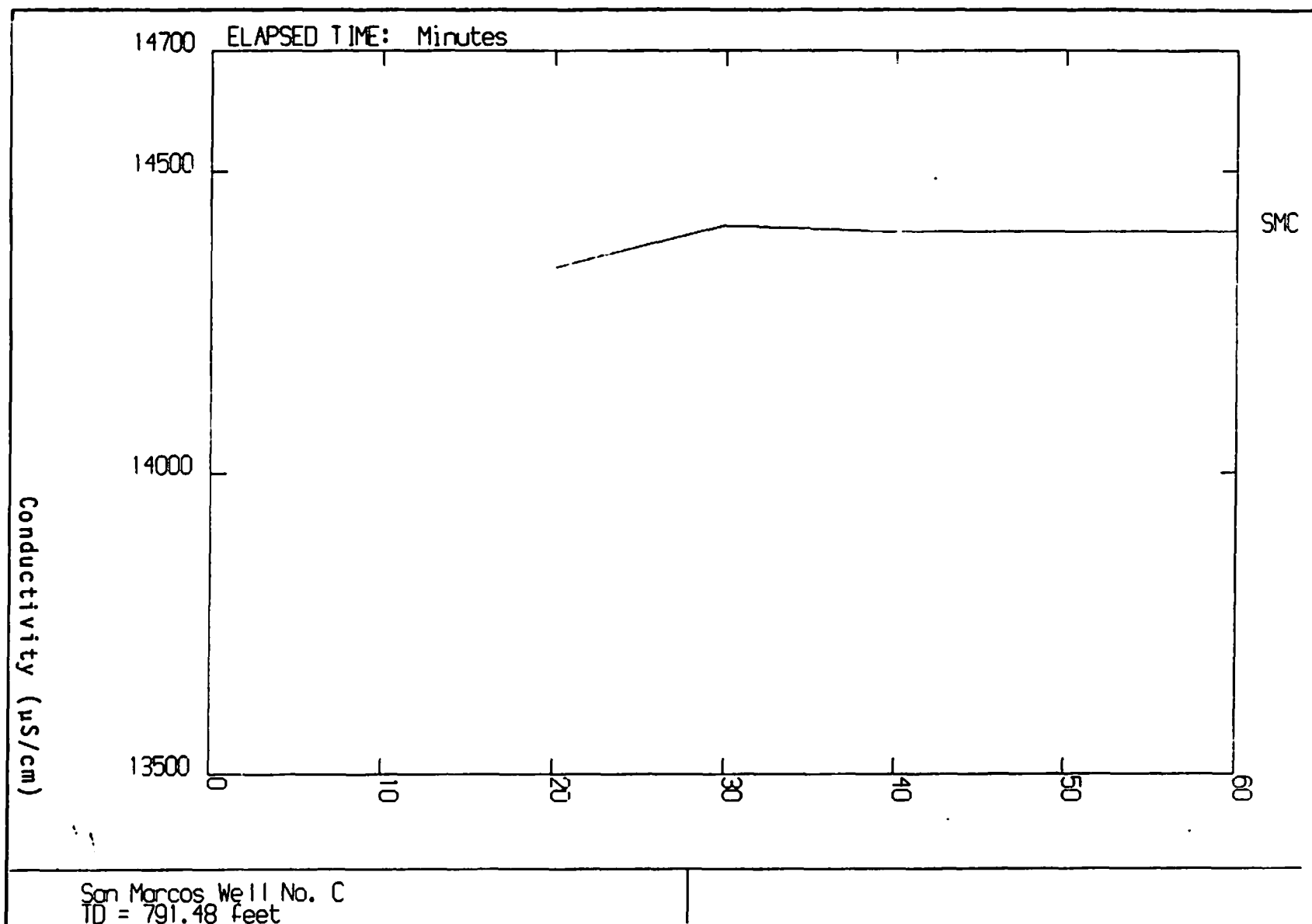
PUMPING TEST ANALYSIS Recovery

Ratio t/t'



San Marcos Well No. C
TD = 791.48 feet

50-foot Test



TIME LOGS REPORT				Page 1
Date TY/KH/DD hh:mm:ss.s 90/07/23 15:30:00.0 Well I.D. ENC EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Real TY/KH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)	
0.00	90/07/23 15:30:00	14.41		
10.00	90/07/23 15:40:00	37.84		
13.00	90/07/23 15:43:00	37.83	14410.00	
20.00	90/07/23 15:50:00	37.81	14390.00	
30.00	90/07/23 16:00:00	37.88	14380.00	
40.00	90/07/23 16:10:00	37.86	14380.00	
50.00	90/07/23 16:20:00	37.88	14380.00	
60.00	90/07/23 16:30:00	37.81	14380.00	
61.00	90/07/23 16:31:00	38.00		
62.00	90/07/23 16:32:00	26.43		
63.00	90/07/23 16:33:00	21.66		
64.00	90/07/23 16:34:00	20.00		
65.00	90/07/23 16:35:00	18.53		
66.00	90/07/23 16:36:00	20.63		
67.00	90/07/23 16:37:00	20.20		
68.00	90/07/23 16:38:00	19.90		
69.00	90/07/23 16:39:00	19.50		
70.00	90/07/23 16:40:00	19.25		
72.00	90/07/23 16:42:00	18.75		
74.00	90/07/23 16:44:00	18.32		
76.00	90/07/23 16:46:00	17.98		
78.00	90/07/23 16:48:00	17.37		
80.00	90/07/23 16:50:00	17.41		
82.00	90/07/23 16:52:00	16.68		
90.00	90/07/23 17:00:00	16.34		
100.00	90/07/23 17:10:00	15.58		
110.00	90/07/23 17:20:00	14.90		
120.00	90/07/23 17:30:00	14.41		

TIME LOGS REPORT				Page 2
Date TY/KH/DD hh:mm:ss.s 90/07/23 15:30:00.0 Well I.D. ENC EDWARDS UNDERGROUND WATER DISTRICT				
Elapsed MINUTES	TIME - Real TY/KH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)		
0.00	90/07/23 15:30:00			
13.00	90/07/23 15:42:00	26.50		
20.00	90/07/23 15:50:00	26.50		
30.00	90/07/23 16:00:00	26.50		
40.00	90/07/23 16:10:00	26.00		
50.00	90/07/23 16:20:00	26.00		
60.00	90/07/23 16:30:00	26.00		

PUMPING TEST ANALYSIS Recovery

Ratio t/t'

30

25

20

15

10

5

0

$d_w = 7.973 \text{ FT}$

$T = 3298.148 \text{ USGPD/FT}$

$d_w = 9.771 \text{ FT}$

$T = 3462.838 \text{ USGPD/FT}$

(s') Residual Drawdown (ft)

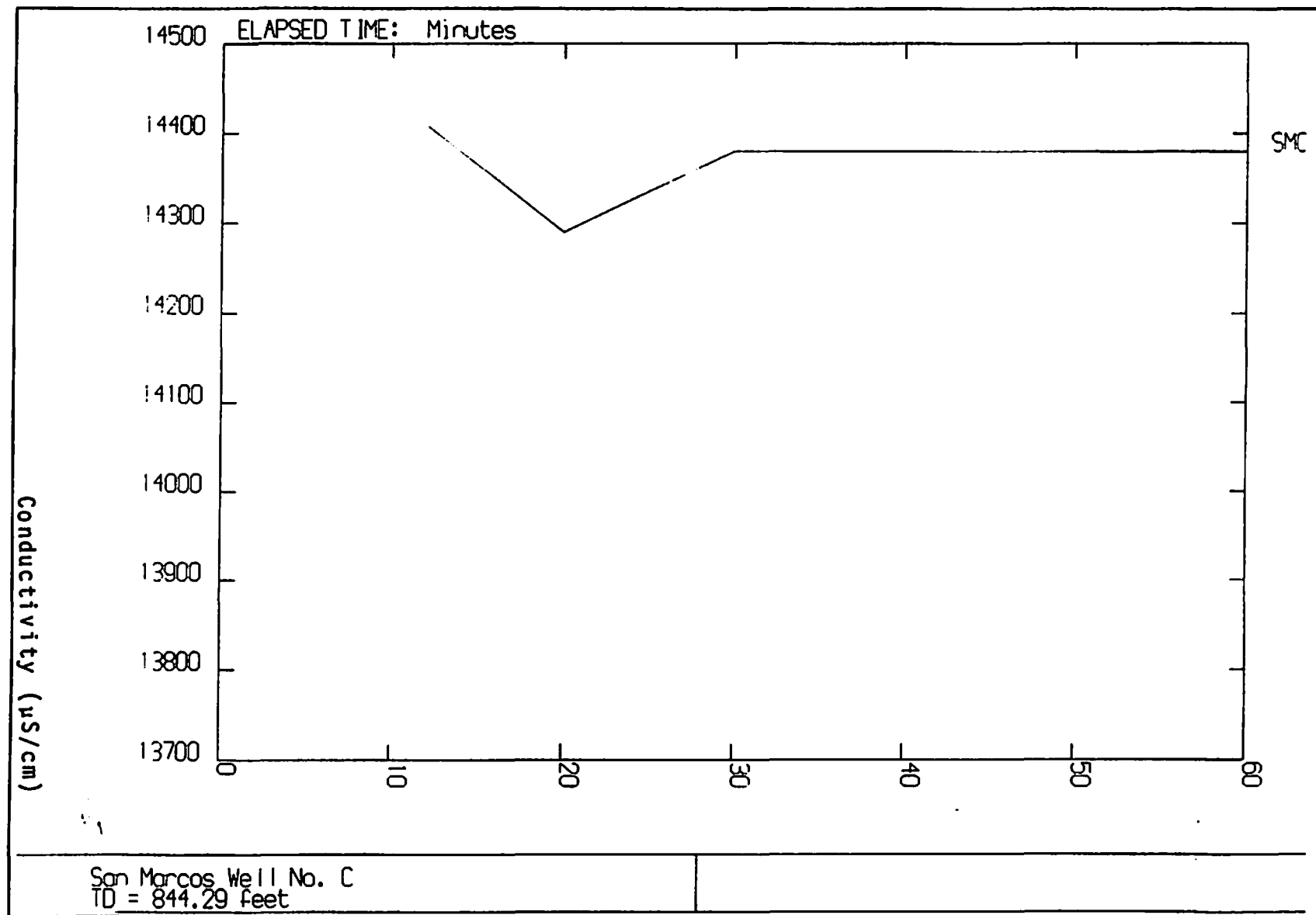
10^0

10^1

10^2

San Marcos Well No. C
TD = 644.29 feet

50-foot Test



TIME LOGS REPORT

Page 1

Date YY/MM/DD hh:mm:ss.s
 90/07/24 03:55:00.0

Well I.D. SWC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	90/07/24 03:55:00	15.31	14390.00
10.00	90/07/24 04:05:00	17.30	14390.00
20.00	90/07/24 04:15:00	17.40	14390.00
30.00	90/07/24 04:25:00	17.50	14390.00
40.00	90/07/24 04:35:00	17.50	14320.00
50.00	90/07/24 04:45:00	17.51	14320.00
60.00	90/07/24 04:55:00	17.51	14310.00
61.00	90/07/24 04:56:00	10.90	
62.00	90/07/24 04:57:00	15.85	
63.00	90/07/24 04:58:00	23.75	
64.00	90/07/24 04:59:00	23.23	
65.00	90/07/24 05:00:00	22.39	
66.00	90/07/24 05:01:00	21.78	
67.00	90/07/24 05:02:00	21.63	
68.00	90/07/24 05:03:00	21.40	
69.00	90/07/24 05:04:00	20.70	
70.00	90/07/24 05:05:00	20.30	
71.00	90/07/24 05:06:00	19.77	
74.00	90/07/24 05:09:00	19.28	
76.00	90/07/24 05:11:00	19.07	
78.00	90/07/24 05:13:00	18.63	
80.00	90/07/24 05:15:00	18.30	
83.00	90/07/24 05:20:00	17.68	
90.00	90/07/24 05:25:00	17.16	
100.00	90/07/24 05:35:00	16.40	
110.00	90/07/24 05:45:00	15.70	
120.00	90/07/24 05:55:00	15.21	

TIME LOGS REPORT

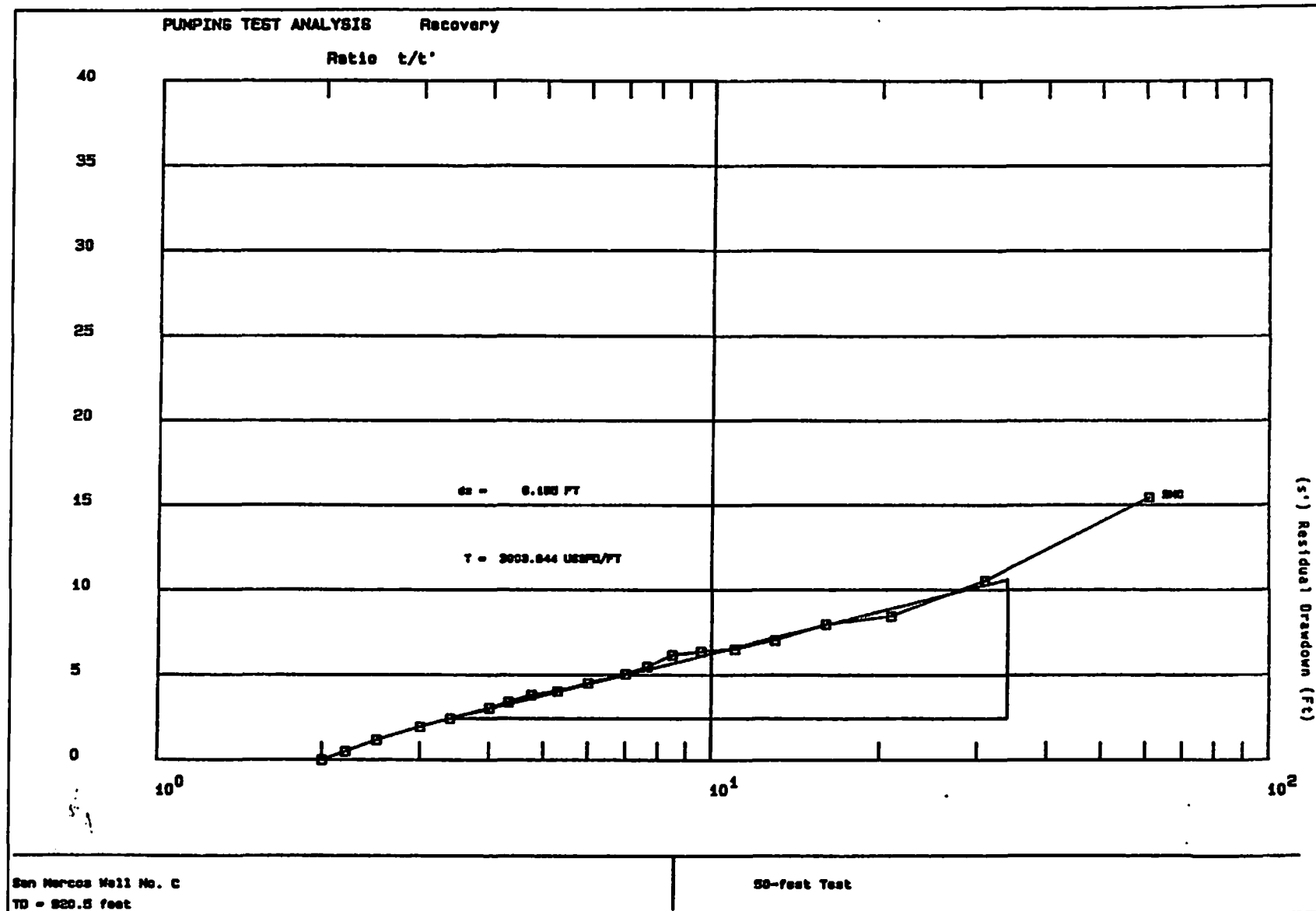
Page 2

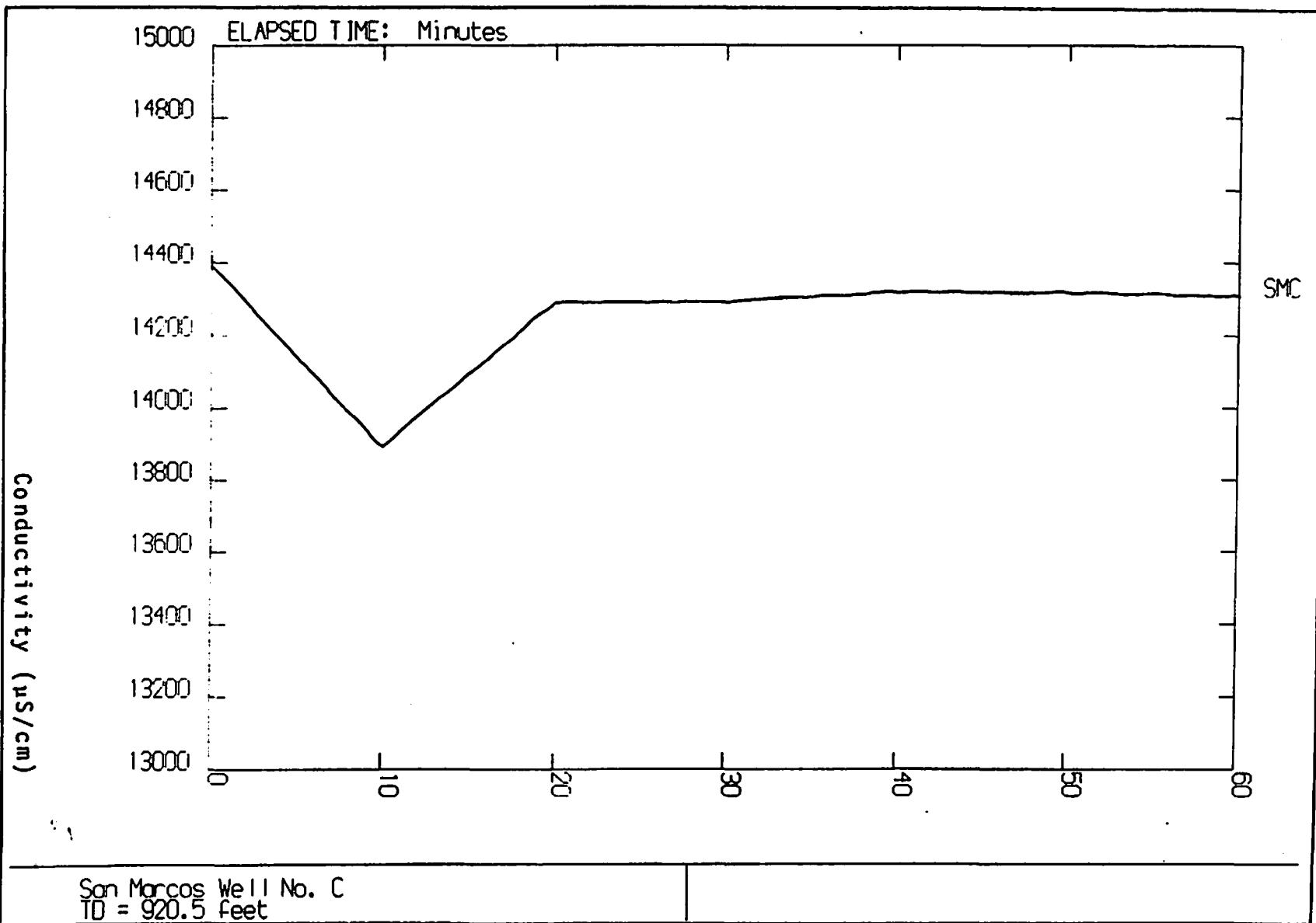
Date YY/MM/DD hh:mm:ss.s
 90/07/24 03:55:00.0

Well I.D. SWC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	90/07/24 03:55:00	26.00
10.00	90/07/24 04:05:00	26.00
20.00	90/07/24 04:15:00	26.00
30.00	90/07/24 04:25:00	26.00
40.00	90/07/24 04:35:00	26.60
50.00	90/07/24 04:45:00	26.60
60.00	90/07/24 04:55:00	26.00





TIME LOGS REPORT

Page 1

Date **YY/MM/DD hh:mm:ss**
90/07/24 13:20:00.0
Well I.D. **SNC**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 90/07/24 13:20:00	8.82	
10.00 90/07/24 13:20:10	21.30	14390.00
20.00 90/07/24 13:20:20	22.18	14390.00
30.00 90/07/24 13:20:30	22.27	14390.00
40.00 90/07/24 14:00:00	22.37	14390.00
50.00 90/07/24 14:10:00	22.70	14500.00
60.00 90/07/24 14:20:00	23.41	14400.00
70.00 90/07/24 14:30:00	22.91	14500.00
80.00 90/07/24 14:40:00	22.64	14500.00
90.00 90/07/24 14:50:00	23.62	14500.00
100.00 90/07/24 15:00:00	23.41	14500.00
110.00 90/07/24 15:10:00	23.23	14500.00
120.00 90/07/24 15:20:00	23.48	14500.00
130.00 90/07/24 15:30:00	23.43	14710.00
140.00 90/07/24 15:40:00	23.25	14710.00
150.00 90/07/24 15:50:00	23.34	14710.00
160.00 90/07/24 16:00:00	23.46	14710.00
170.00 90/07/24 16:10:00	23.50	14710.00
180.00 90/07/24 16:20:00	23.52	14710.00
190.00 90/07/24 16:30:00	17.76	
192.00 90/07/24 16:22:00	14.09	
193.00 90/07/24 16:23:00	12.02	
194.00 90/07/24 16:24:00	12.00	
195.00 90/07/24 16:25:00	11.78	
196.00 90/07/24 16:26:00	11.40	
197.00 90/07/24 16:27:00	11.00	
198.00 90/07/24 16:28:00	11.18	
199.00 90/07/24 16:29:00	10.99	
200.00 90/07/24 16:30:00	10.60	
202.00 90/07/24 16:32:00	10.58	
194.00 90/07/24 16:34:00	10.25	
196.00 90/07/24 16:36:00	10.08	
198.00 90/07/24 16:38:00	9.78	
200.00 90/07/24 16:40:00	9.66	
202.00 90/07/24 16:42:00	9.52	
210.00 90/07/24 16:50:00	9.37	
220.00 90/07/24 17:00:00	9.13	
230.00 90/07/24 17:10:00	9.00	
240.00 90/07/24 17:20:00	8.71	
250.00 90/07/24 17:30:00	8.61	

TIME LOGS REPORT

Page 3

Date **YY/MM/DD hh:mm:ss**
90/07/24 13:20:00.0
Well I.D. **SNC**
EDWARDS UNDERGROUND WATER DISTRICT

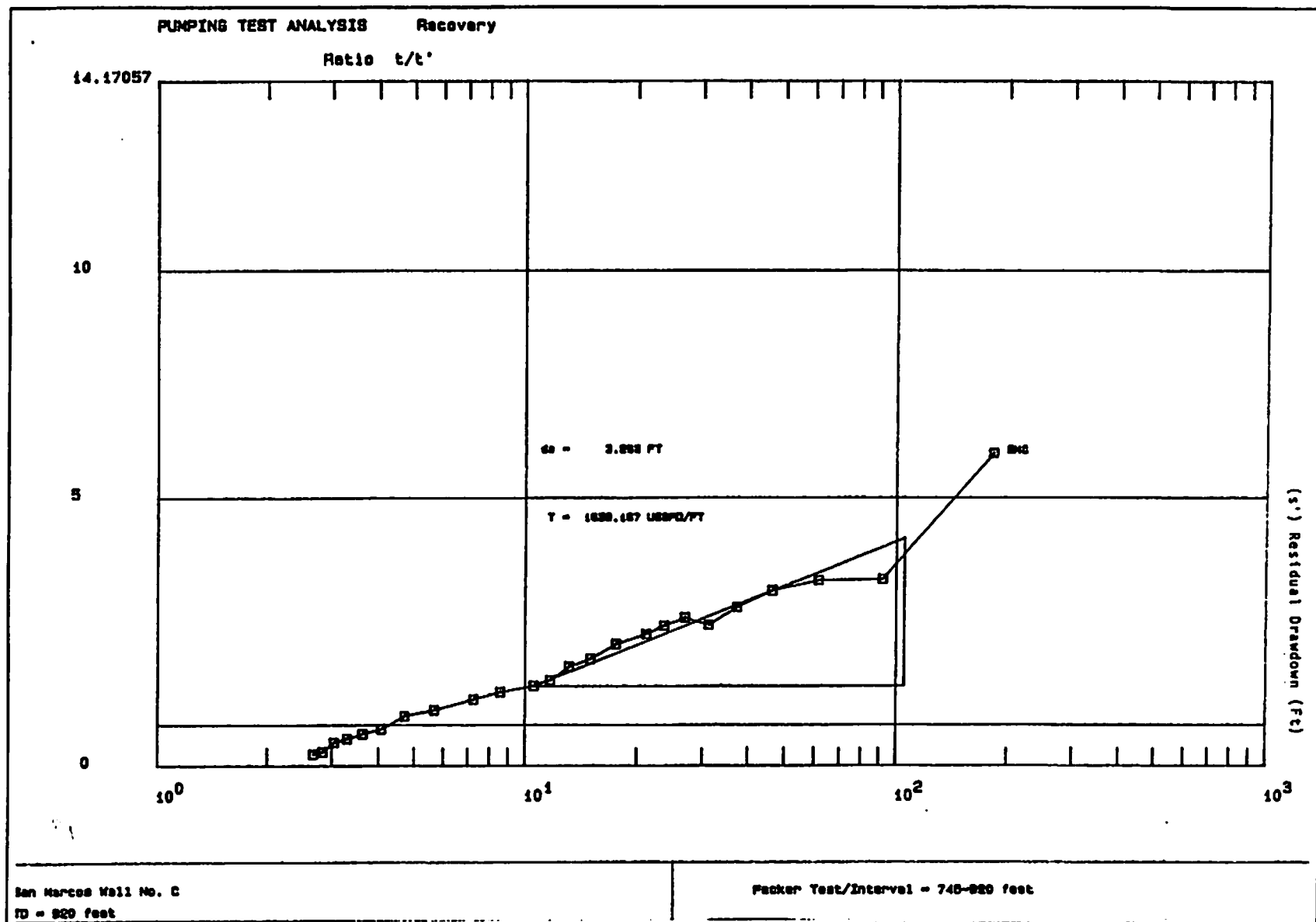
Elapsed - TIME - Real MINUTES YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 90/07/24 13:20:00	
10.00 90/07/24 13:20:10	27.00
20.00 90/07/24 13:20:20	27.00
30.00 90/07/24 13:20:30	27.00
40.00 90/07/24 14:00:00	26.75
50.00 90/07/24 14:10:00	26.75
60.00 90/07/24 14:20:00	26.75
70.00 90/07/24 14:30:00	26.50
80.00 90/07/24 14:40:00	26.50
90.00 90/07/24 14:50:00	26.50
100.00 90/07/24 15:00:00	26.50
110.00 90/07/24 15:10:00	26.50
120.00 90/07/24 15:20:00	26.50
130.00 90/07/24 15:30:00	26.50
140.00 90/07/24 15:40:00	26.50
150.00 90/07/24 15:50:00	26.50
160.00 90/07/24 16:00:00	26.50
170.00 90/07/24 16:10:00	26.50
180.00 90/07/24 16:20:00	26.50

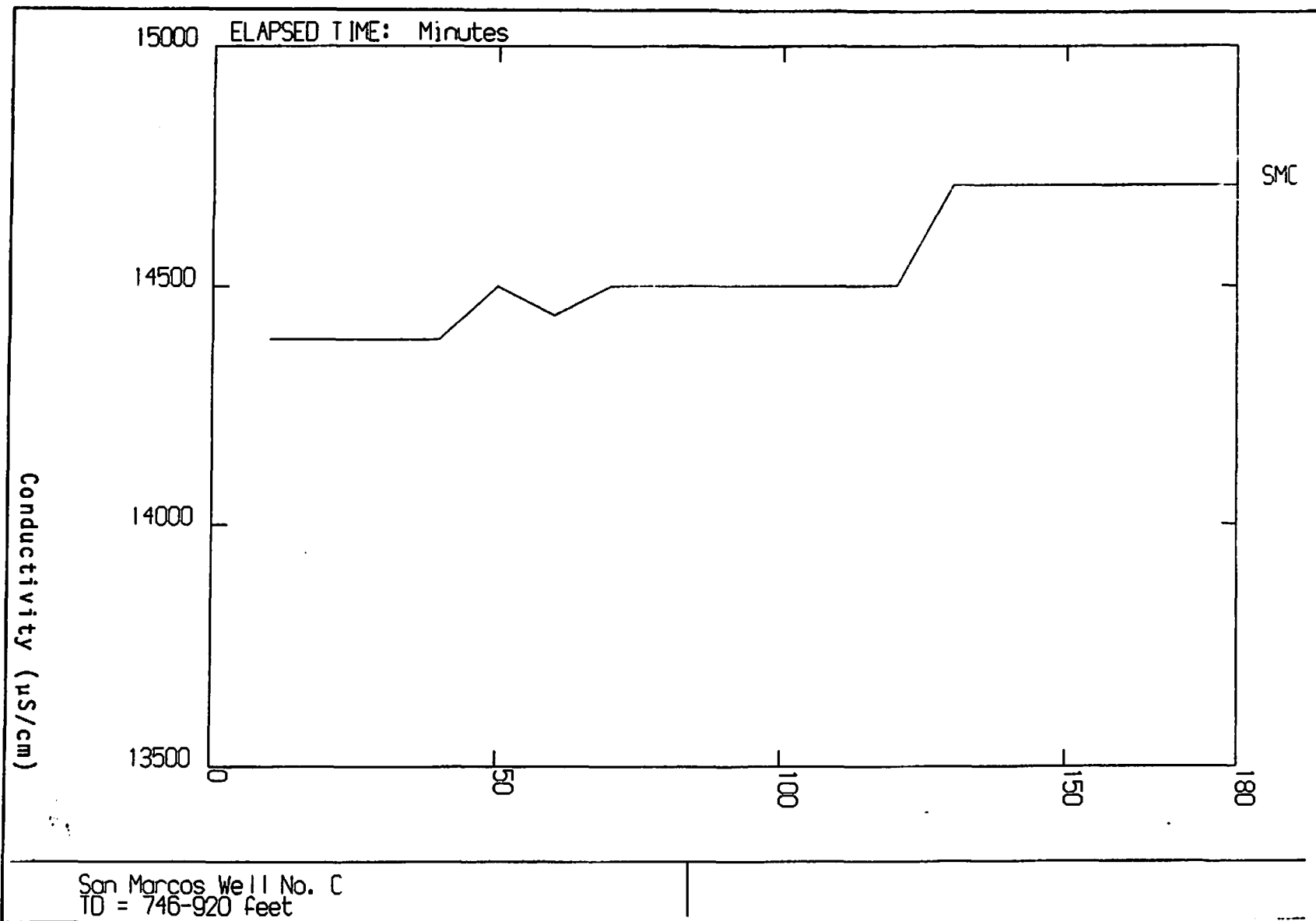
TIME LOGS REPORT

Page 2

Date **YY/MM/DD hh:mm:ss**
90/07/24 13:20:00.0
Well I.D. **SNC**
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
260.00 90/07/24 17:40:00	8.50	
270.00 90/07/24 17:50:00	8.43	
280.00 90/07/24 18:00:00	8.22	
290.00 90/07/24 18:10:00	8.17	
300.00 90/07/24 18:20:00	8.24	
310.00 90/07/24 18:30:00	8.12	
320.00 90/07/24 18:40:00	8.00	
330.00 90/07/24 18:50:00	7.91	
340.00 90/07/24 19:00:00	8.00	
350.00 90/07/24 19:10:00	8.00	
360.00 90/07/24 19:20:00	8.20	





PUMPING TEST ANALYSIS Recovery

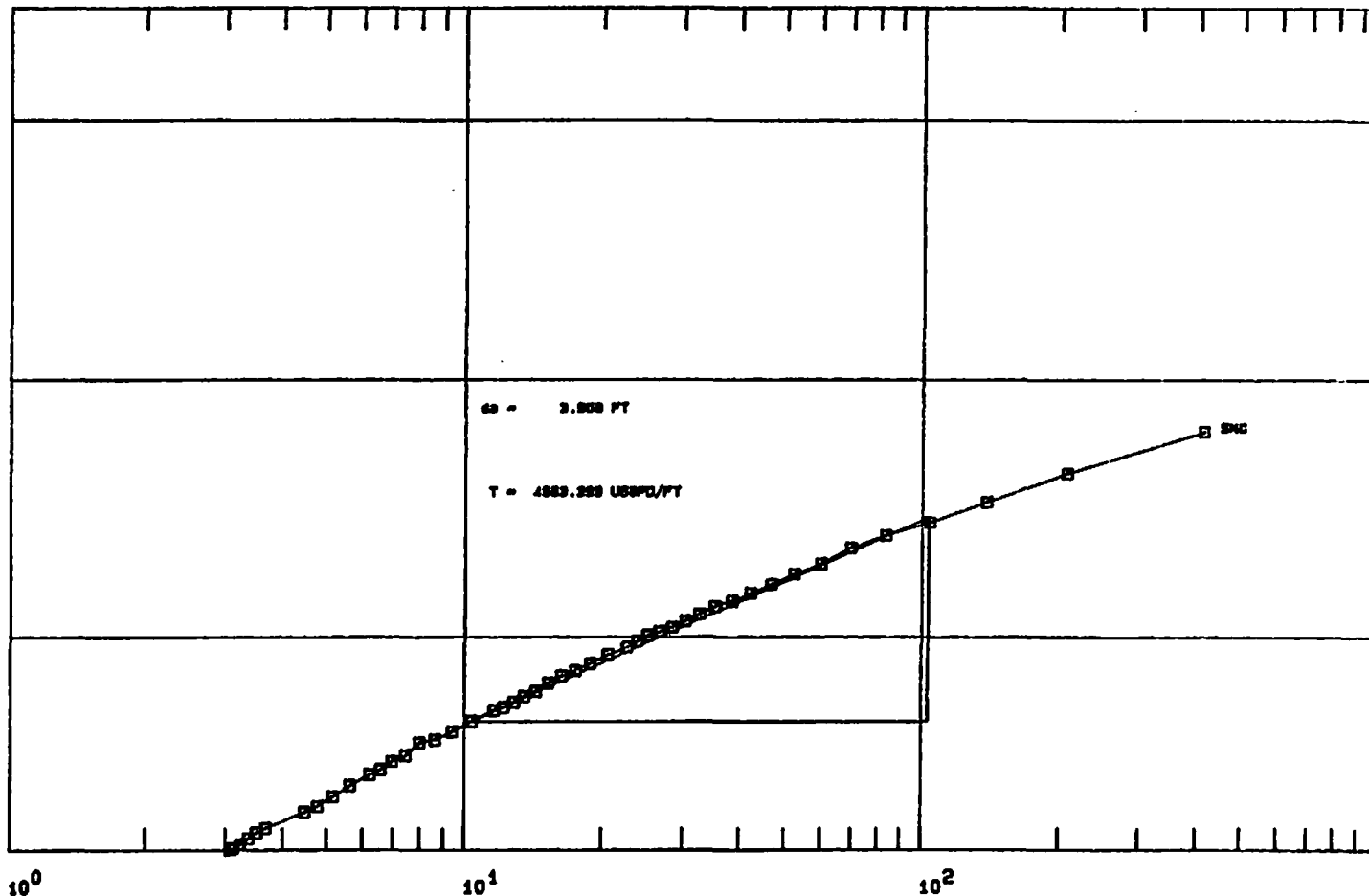
Ratio t/t'

10

8

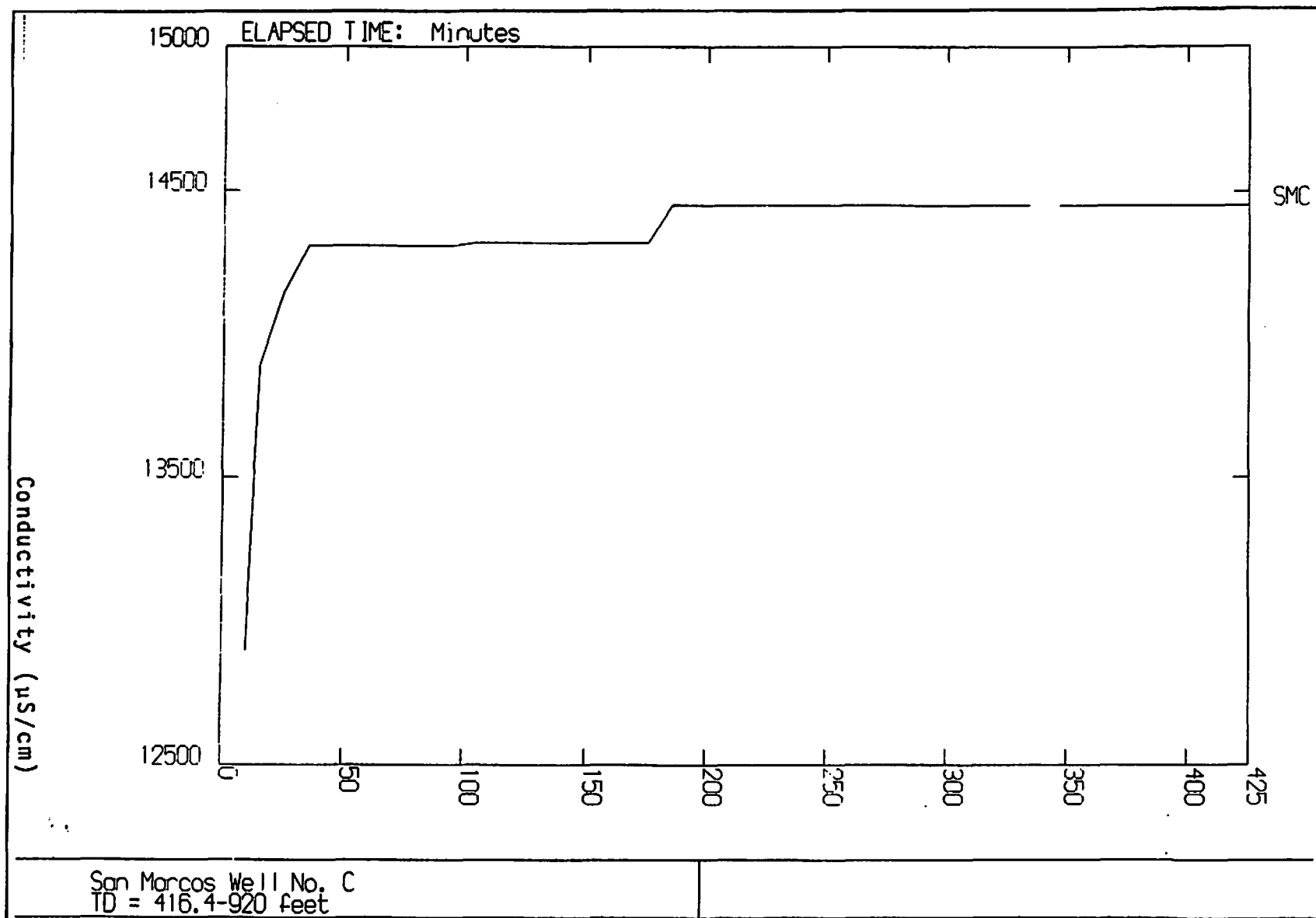
4

0



San Marcos Well No. C
TD = 920 feet

Packer Test/Interval = 416.4-920 feet

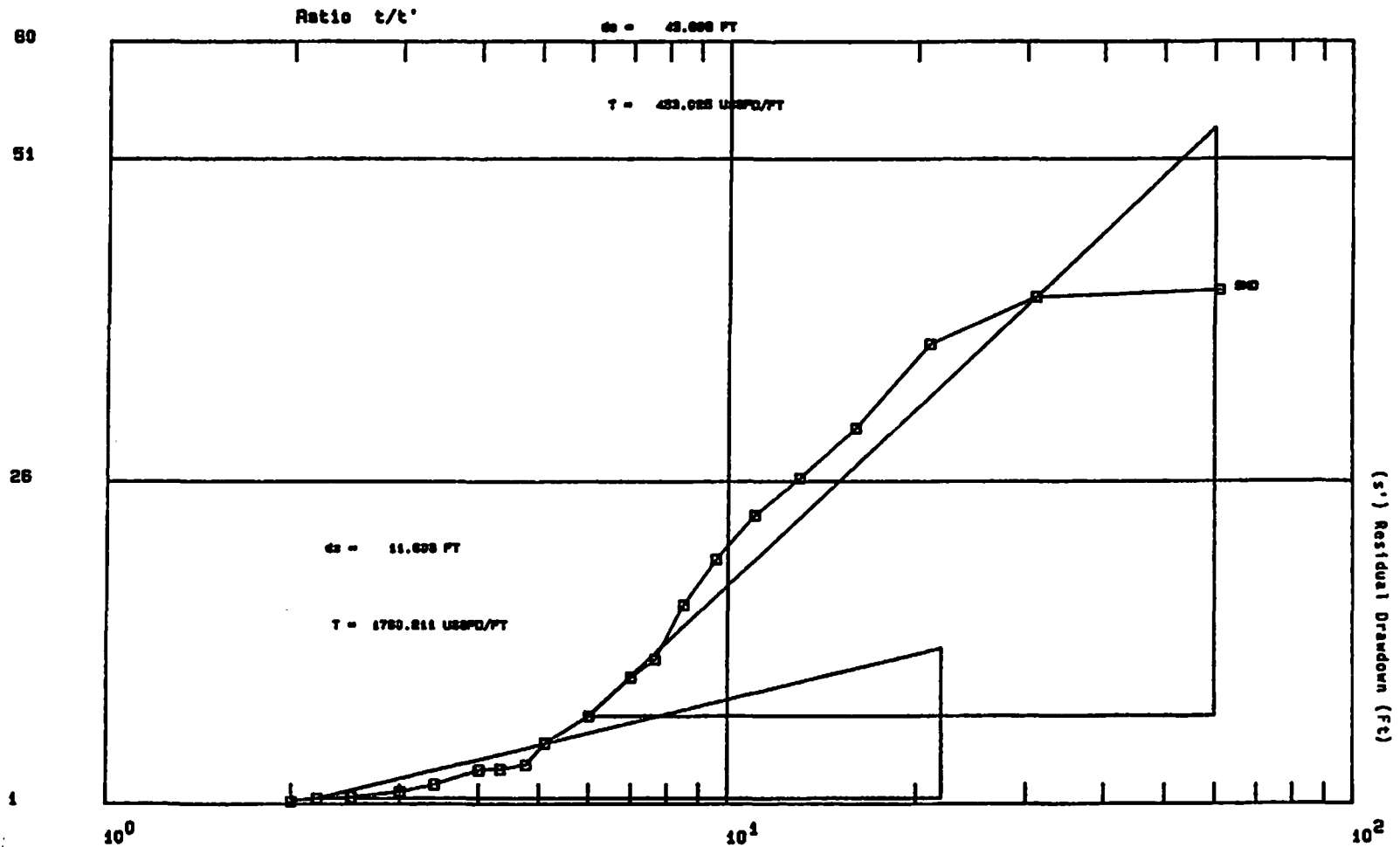


TIME LOGS REPORT				Page 1			
Date TY/DA/DO hh:mm:ss.s 92/02/20 16:30:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed MINUTES	TIME - Real TY/DA/DO hh:mm:ss	WATERLEVEL (Feet below MP=)	CONDUCTIVITY (Microsiemens per Centimeter)				
0.00	92/02/20 16:30:00	2.44	3820.00				
1.00	92/02/20 16:31:00	17.40					
2.00	92/02/20 16:32:00	29.40					
3.00	92/02/20 16:33:00	33.12					
4.00	92/02/20 16:34:00	34.01					
5.00	92/02/20 16:35:00	37.40	6510.00				
6.00	92/02/20 16:36:00	38.40					
10.00	92/02/20 16:40:00	64.00	10465.00				
12.00	92/02/20 16:42:00	70.01					
14.00	92/02/20 16:44:00	71.23					
16.00	92/02/20 16:46:00	74.00	12800.00				
18.00	92/02/20 16:48:00	74.70					
20.00	92/02/20 16:50:00	75.01	13480.00				
25.00	92/02/20 16:55:00	76.30	13600.00				
30.00	92/02/20 17:00:00	75.00	13880.00				
35.00	92/02/20 17:05:00	75.00	13820.00				
40.00	92/02/20 17:10:00	73.80	13640.00				
45.00	92/02/20 17:15:00	73.70					
50.00	92/02/20 17:20:00	73.60	11800.00				
55.00	92/02/20 17:25:00	70.61					
60.00	92/02/20 17:30:00	73.70	13490.00				
61.00	92/02/20 17:31:00	62.50					
62.00	92/02/20 17:32:00	61.00					
63.00	92/02/20 17:33:00	62.10					
64.00	92/02/20 17:34:00	40.09					
65.00	92/02/20 17:35:00	33.90					
66.00	92/02/20 17:36:00	29.70					
67.00	92/02/20 17:37:00	25.00					
68.00	92/02/20 17:38:00	20.80					
69.00	92/02/20 17:39:00	15.30					
70.00	92/02/20 17:40:00	13.90					
72.00	92/02/20 17:42:00	10.60					
74.67	92/02/20 17:44:40	8.30					
76.00	92/02/20 17:46:00	6.60					
78.00	92/02/20 17:48:00	6.20					
80.00	92/02/20 17:50:00	6.15					
85.00	92/02/20 17:55:00	5.00					
90.00	92/02/20 18:00:00	4.40					
100.00	92/02/20 18:10:00	4.00					
110.00	92/02/20 18:20:00	3.90					

TIME LOGS REPORT				Page 2			
Date TY/DA/DO hh:mm:ss.s 92/02/20 16:30:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed MINUTES	TIME - Real TY/DA/DO hh:mm:ss	WATERLEVEL (Feet below MP=)	CONDUCTIVITY (Microsiemens per Centimeter)				
120.00	92/02/20 18:30:00	3.70					

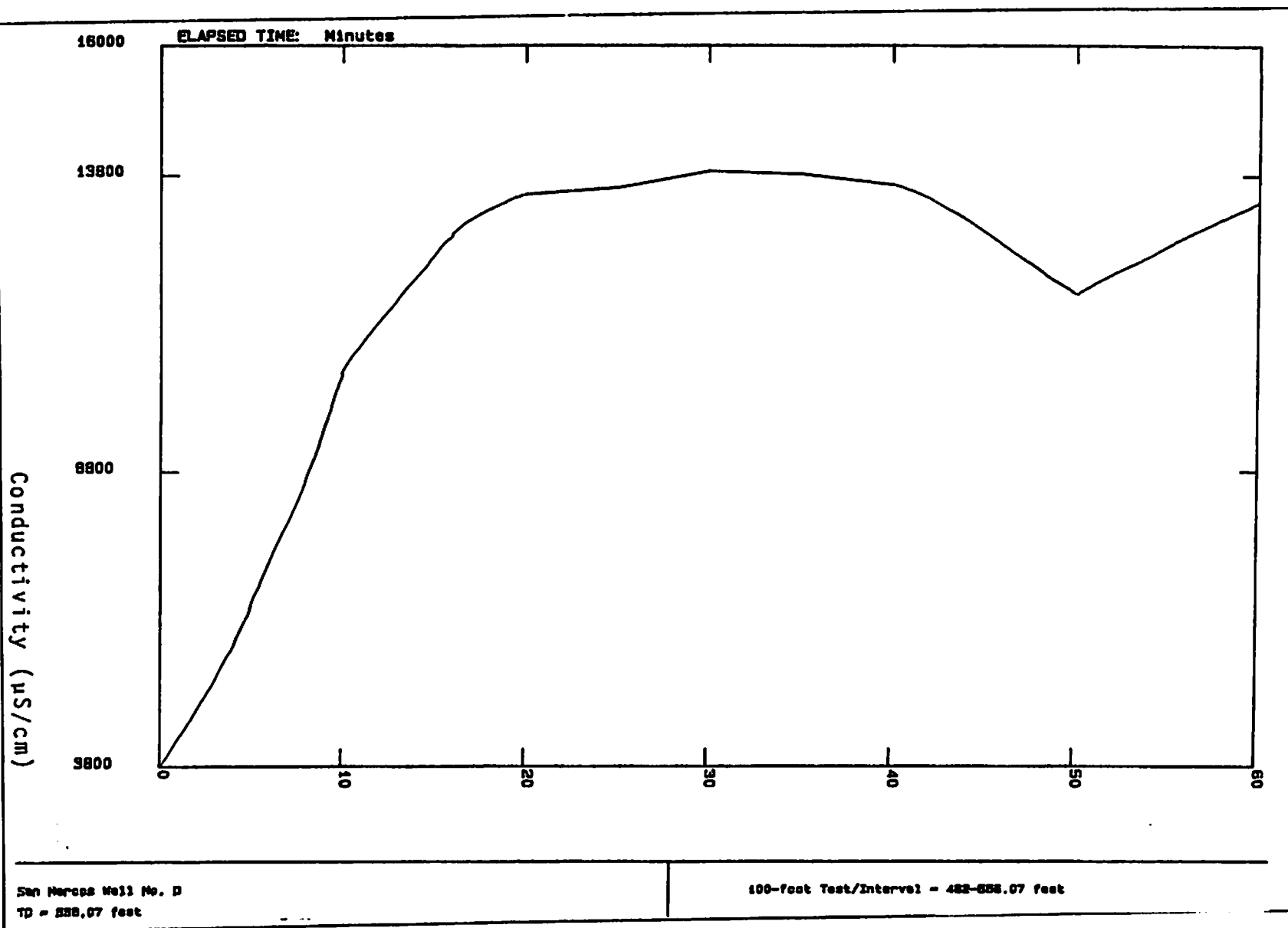
TIME LOGS REPORT				Page 3			
Date TY/DA/DO hh:mm:ss.s 92/02/20 16:30:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed MINUTES	TIME - Real TY/DA/DO hh:mm:ss	TEMPERATURE (Degree Celsius)					
0.00	92/02/20 16:30:00	24.00					
5.00	92/02/20 16:35:00	24.50					
10.00	92/02/20 16:40:00	24.50					
15.00	92/02/20 16:45:00	24.75					
20.00	92/02/20 16:50:00	25.00					
25.00	92/02/20 16:55:00	25.00					
30.00	92/02/20 17:00:00	25.00					
35.00	92/02/20 17:05:00	25.00					
40.00	92/02/20 17:10:00	25.00					
50.00	92/02/20 17:20:00	25.00					
60.00	92/02/20 17:30:00	25.75					

PUMPING TEST ANALYSIS Recovery

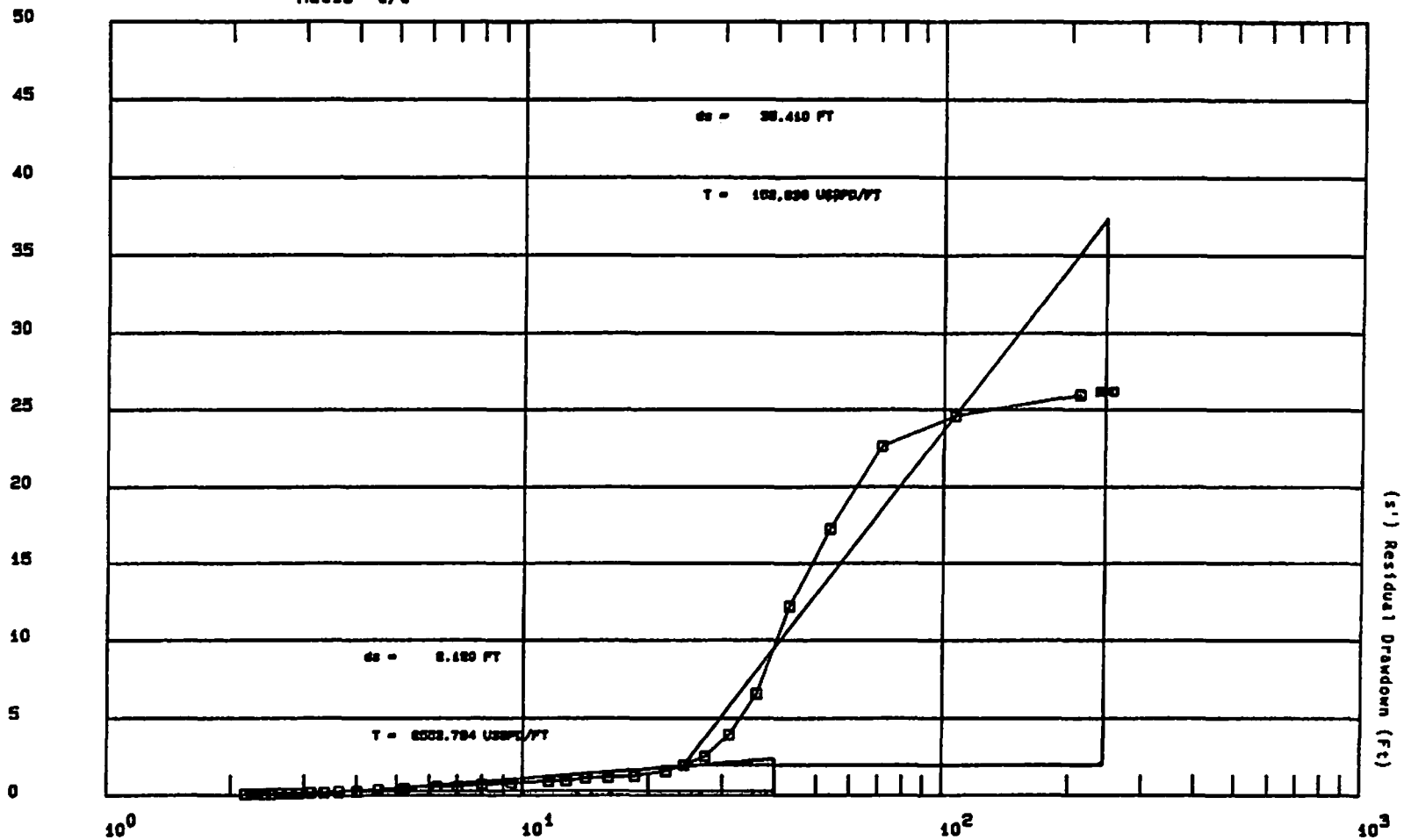


San Marcos Well No. D
TD = 558.07 feet

100-foot Test/Interval = 488-558.07 feet

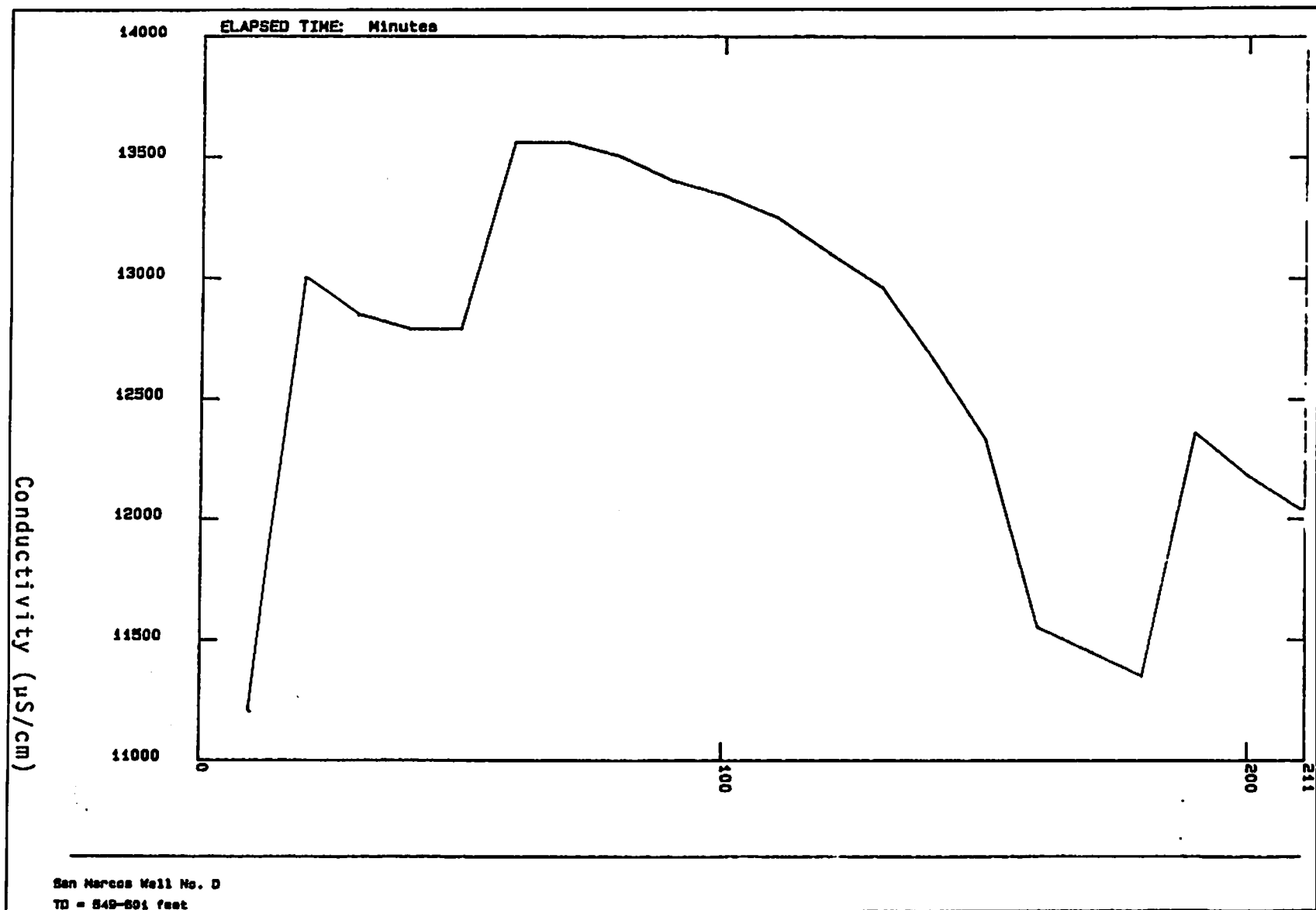


PUMPING TEST ANALYSIS Recovery

Ratio t/t' 

San Marcos Well No. D
TD = 801 feet

Packer Test/Interval = 548-801 feet



TIME LOGS REPORT Page 1

Date **02/02/27 10:30:00.0**
 Well I.D. **END**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES	TEMPERATURE (Degree Celsius)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	21.00	11340.00
10.00	24.00	11140.00
20.00	24.50	12900.00
30.00	25.00	12720.00
40.00	25.15	12420.00
50.00	25.15	12180.00
60.00	25.25	12260.00
70.00	25.25	11880.00
80.00	25.25	11650.00
90.00	25.25	11860.00
100.00	25.25	11600.00
110.00	25.25	11400.00
120.00	25.25	11350.00
130.00	25.75	11160.00
140.00	26.00	11100.00
150.00	26.00	11080.00
160.00	26.00	10510.00
170.00	26.00	10400.00
180.00	26.00	10370.00

TIME LOGS REPORT Page 2

Date **02/02/27 10:30:00.0**
 Well I.D. **END**

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES	WATERLEVEL (Feet Below NP=)
0.00	4.20
1.00	38.50
2.00	38.40
3.00	43.30
4.00	38.90
5.00	54.40
6.00	54.50
7.00	58.00
8.00	58.70
9.00	59.40
10.00	59.60
12.00	60.00
14.00	60.00
16.00	59.60
18.00	59.00
20.00	58.50
25.00	56.55
30.00	56.40
40.00	55.80
50.00	55.65
60.00	55.60
70.00	55.40
80.00	55.40
90.00	55.90
100.00	56.15
110.00	56.20
120.00	56.45
130.00	56.45
140.00	56.50
150.00	56.30
160.00	56.45
170.00	56.40
180.00	56.60
181.00	34.10
182.00	20.40
183.00	9.70
184.00	6.30
185.00	5.40
186.00	5.25
187.00	5.20

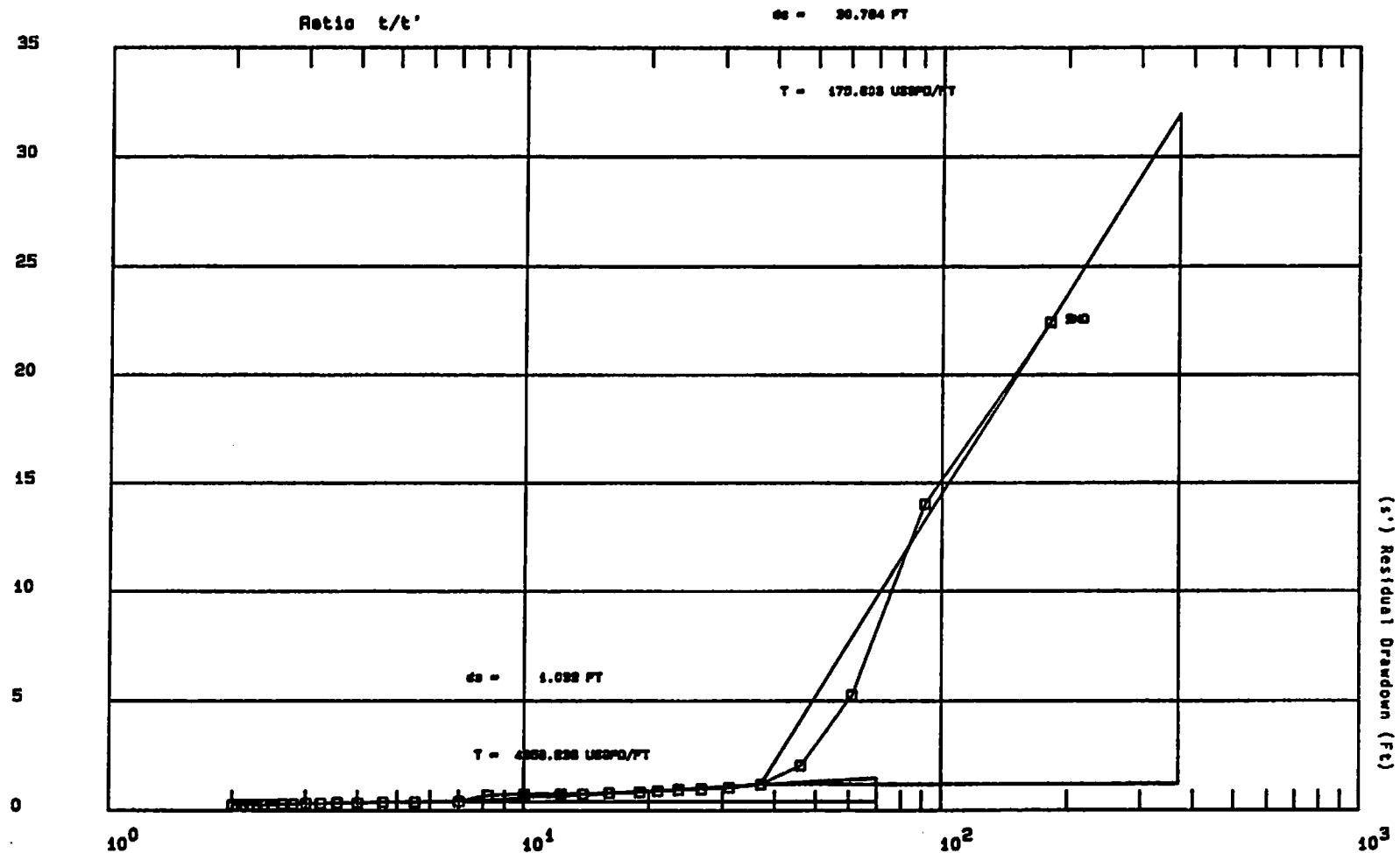
TIME LOGS REPORT Page 3

Date **02/02/27 10:30:00.0**
 Well I.D. **END**

EDWARDS UNDERGROUND WATER DISTRICT

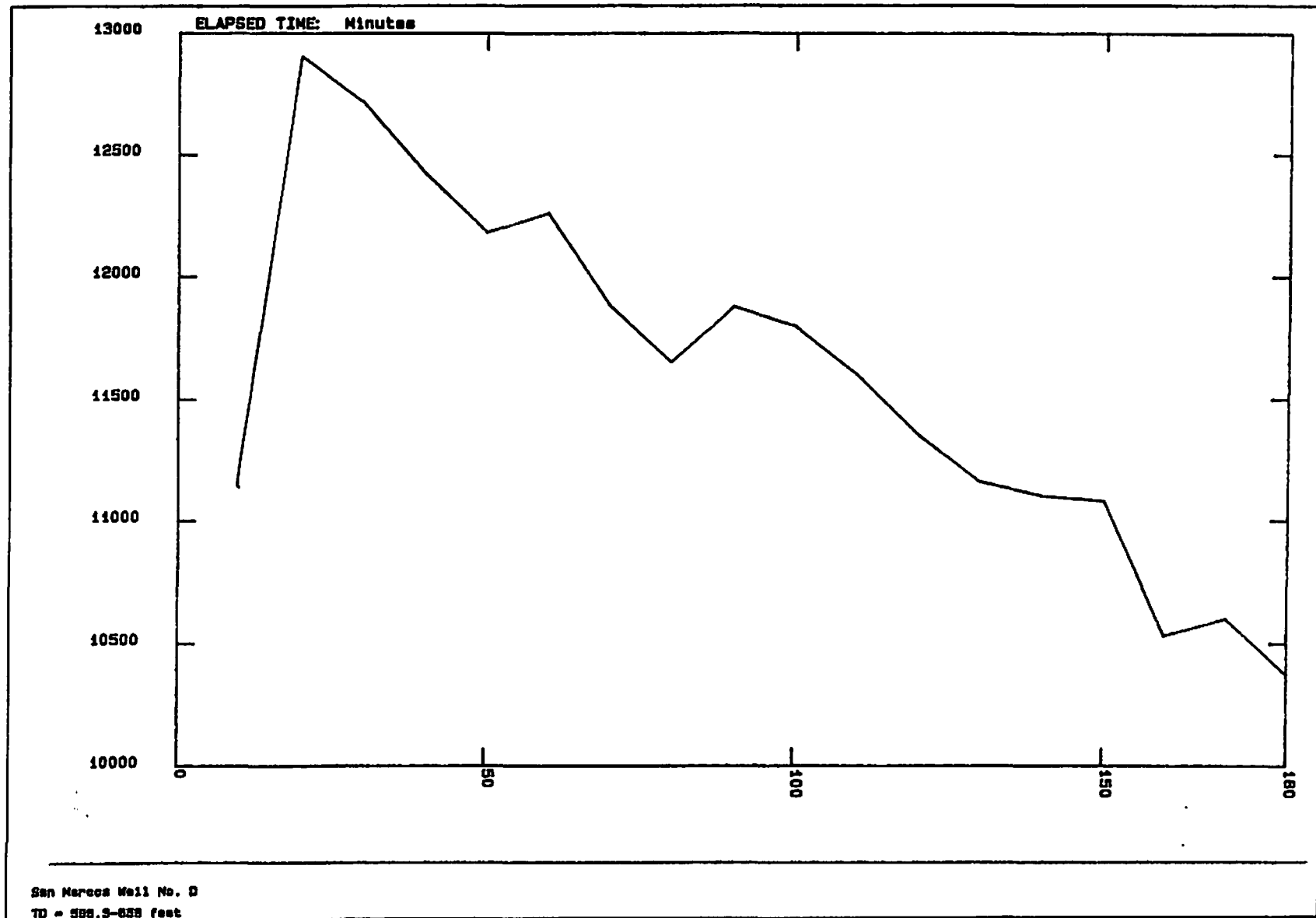
Elapsed - TIME - Real MINUTES	WATERLEVEL (Feet Below NP=)
188.00	5.15
189.00	5.10
190.00	5.05
192.00	5.00
194.00	4.95
196.00	4.95
198.00	4.95
200.00	4.90
205.00	4.60
210.00	4.59
220.00	4.57
230.00	4.56
240.00	4.54
250.00	4.53
260.00	4.51
270.00	4.50
280.00	4.50
290.00	4.45
300.00	4.45
310.00	4.45
320.00	4.45
330.00	4.45
340.00	4.45
350.00	4.45
360.00	4.45

PUMPING TEST ANALYSIS Recovery



San Marcos Well No. D
TD = 658 feet

Packer Test/Interval = 528.3-533 feet



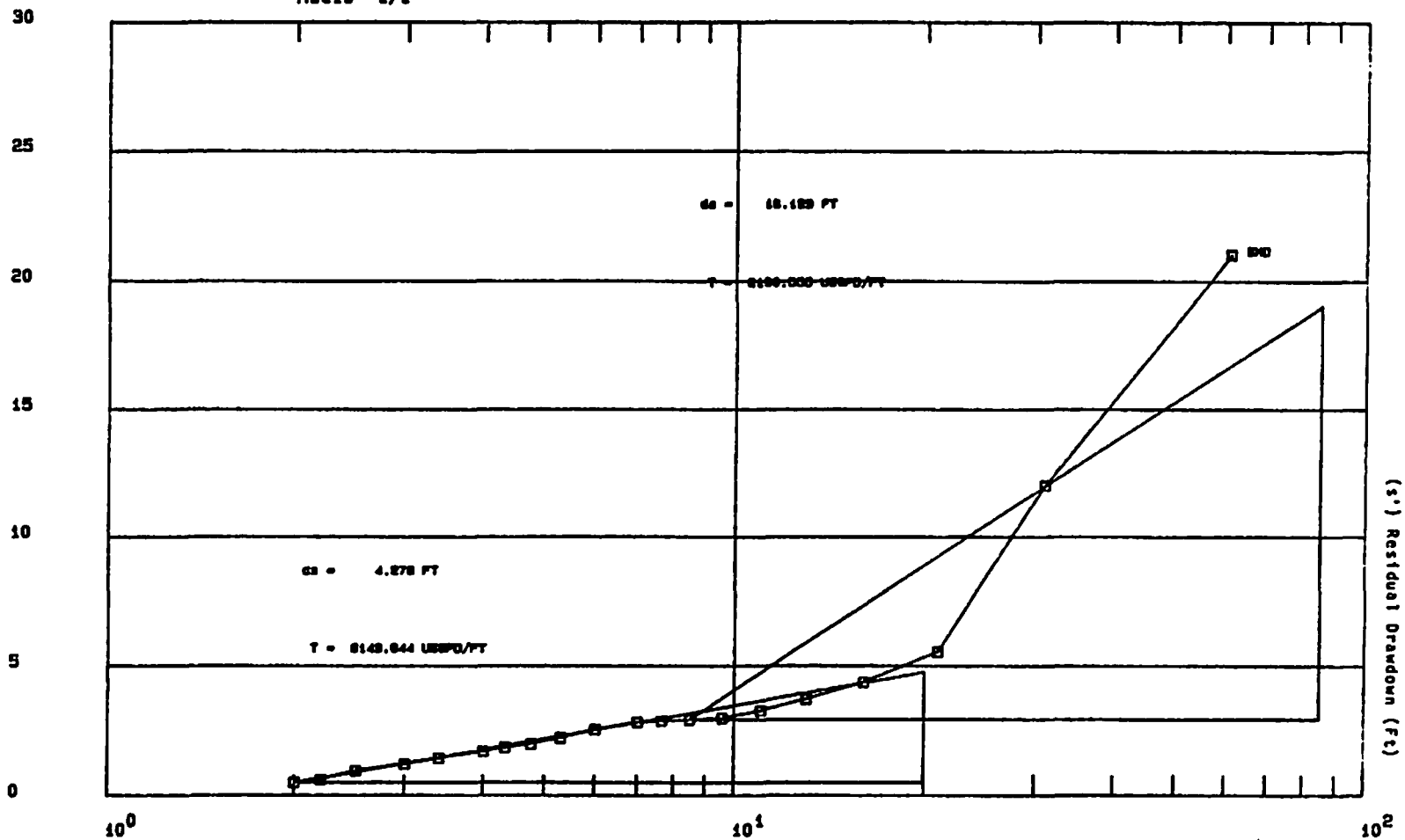
TIME LOGS REPORT				Page 1			
Date 92/02/28 13:15:00.0 Well I.D. SD EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed - TIME - Real MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)	CONDUCTIVITY (Microsiemens per Centimeter)				
0.00	92/02/28 13:15:00	25.50	11100.00				
10.00	92/02/28 13:25:00	26.50	10950.00				
20.00	92/02/28 13:35:00	25.50	11230.00				
30.00	92/02/28 13:45:00	25.50	11230.00				
40.00	92/02/28 13:55:00	25.50	11230.00				
50.00	92/02/28 14:05:00	25.50	11230.00				

TIME LOGS REPORT				Page 3			
Date 92/02/28 13:15:00.0 Well I.D. SD EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed - TIME - Real MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below MP=)					
100.00	92/02/28 14:15:00	4.05					
110.00	92/02/28 15:05:00	3.70					
120.00	92/02/28 15:15:00	3.60					

TIME LOGS REPORT				Page 2			
Date 92/02/28 13:15:00.0 Well I.D. SD EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed - TIME - Real MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below MP=)					
0.00	92/02/28 13:15:00	3.10					
1.00	92/02/28 13:16:00	19.90					
2.00	92/02/28 13:17:00	24.60					
3.00	92/02/28 13:18:00	26.40					
4.00	92/02/28 13:19:00	29.10					
5.00	92/02/28 13:20:00	30.40					
6.00	92/02/28 13:21:00	31.15					
7.00	92/02/28 13:22:00	31.50					
8.00	92/02/28 13:23:00	32.20					
9.00	92/02/28 13:24:00	32.45					
10.00	92/02/28 13:25:00	32.75					
12.00	92/02/28 13:27:00	33.05					
14.00	92/02/28 13:29:00	33.30					
16.00	92/02/28 13:31:00	33.50					
18.00	92/02/28 13:33:00	33.60					
20.00	92/02/28 13:35:00	33.75					
25.00	92/02/28 13:40:00	34.00					
30.00	92/02/28 13:45:00	34.20					
35.00	92/02/28 13:50:00	34.35					
40.00	92/02/28 13:55:00	34.60					
45.00	92/02/28 14:00:00	34.70					
50.00	92/02/28 14:05:00	34.80					
55.00	92/02/28 14:10:00	34.91					
61.00	92/02/28 14:16:00	29.10					
62.00	92/02/28 14:17:00	15.40					
63.00	92/02/28 14:18:00	8.70					
64.00	92/02/28 14:19:00	7.50					
65.00	92/02/28 14:20:00	6.85					
66.00	92/02/28 14:21:00	6.40					
67.00	92/02/28 14:22:00	6.10					
68.00	92/02/28 14:23:00	6.05					
69.00	92/02/28 14:24:00	6.00					
70.00	92/02/28 14:25:00	5.95					
72.00	92/02/28 14:27:00	5.64					
74.00	92/02/28 14:29:00	5.33					
76.00	92/02/28 14:31:00	5.10					
78.00	92/02/28 14:33:00	4.96					
80.00	92/02/28 14:35:00	4.60					
85.00	92/02/28 14:40:00	4.53					
90.00	92/02/28 14:45:00	4.32					

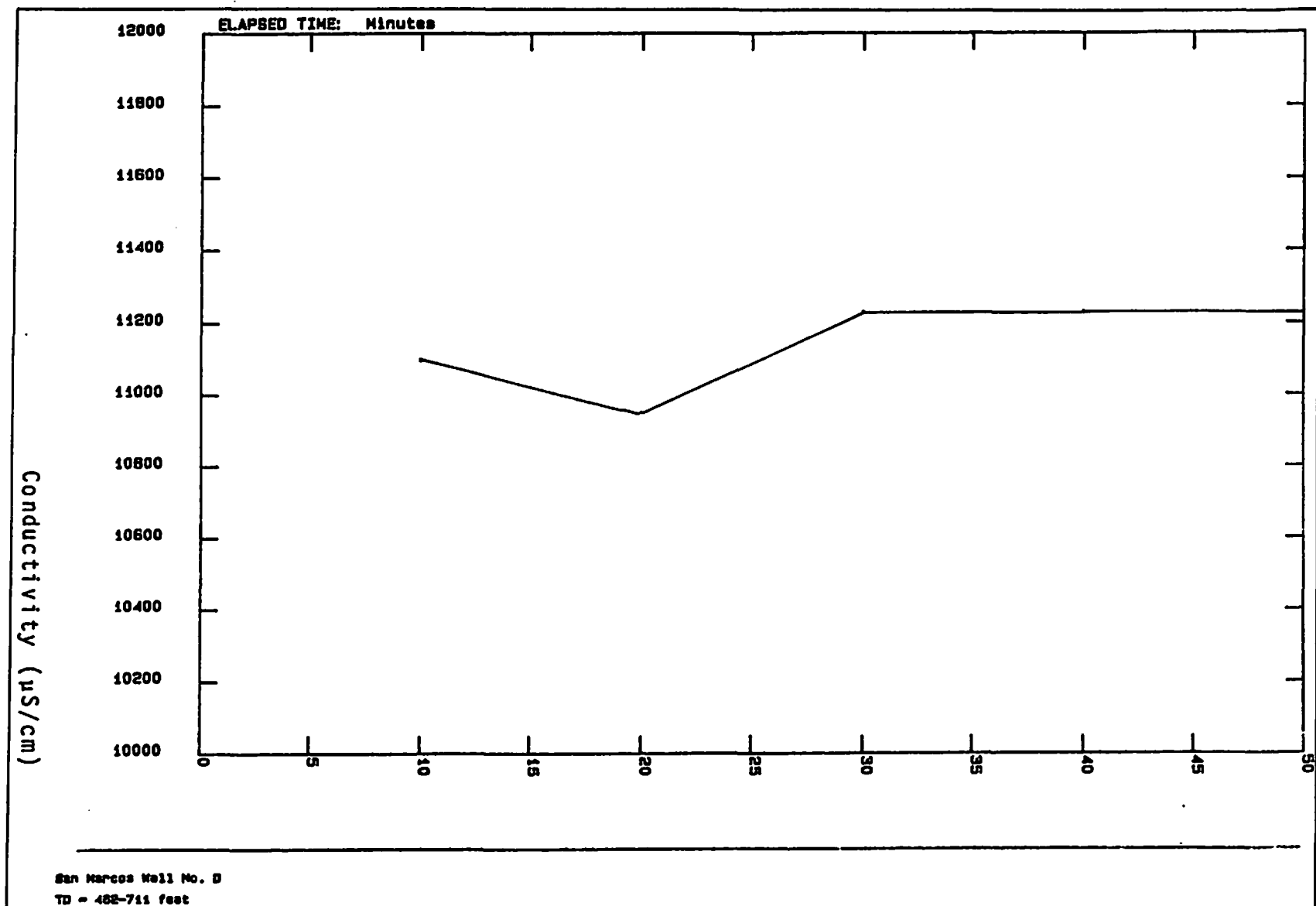
PUMPING TEST ANALYSIS Recovery

Ratio t/t'

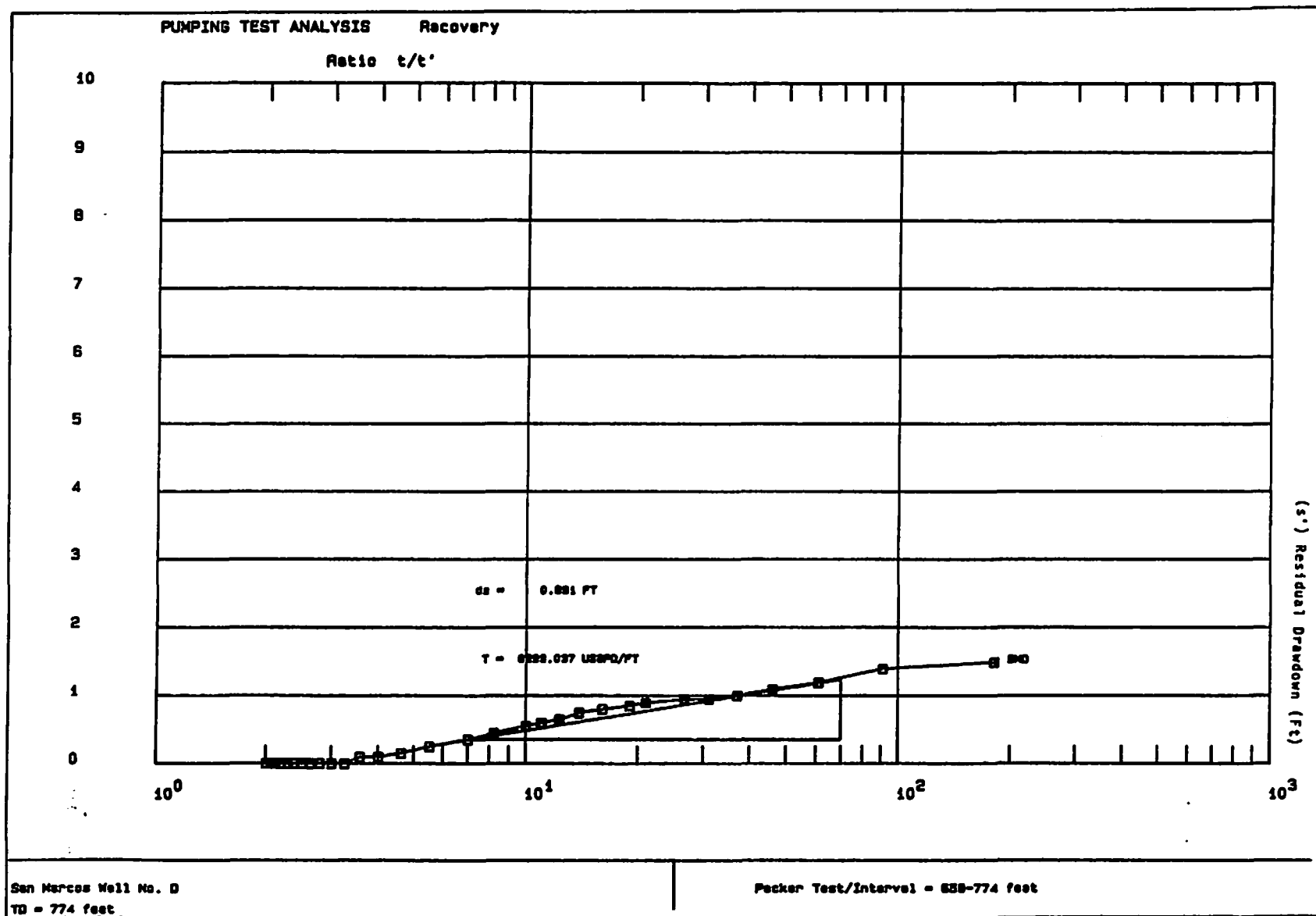


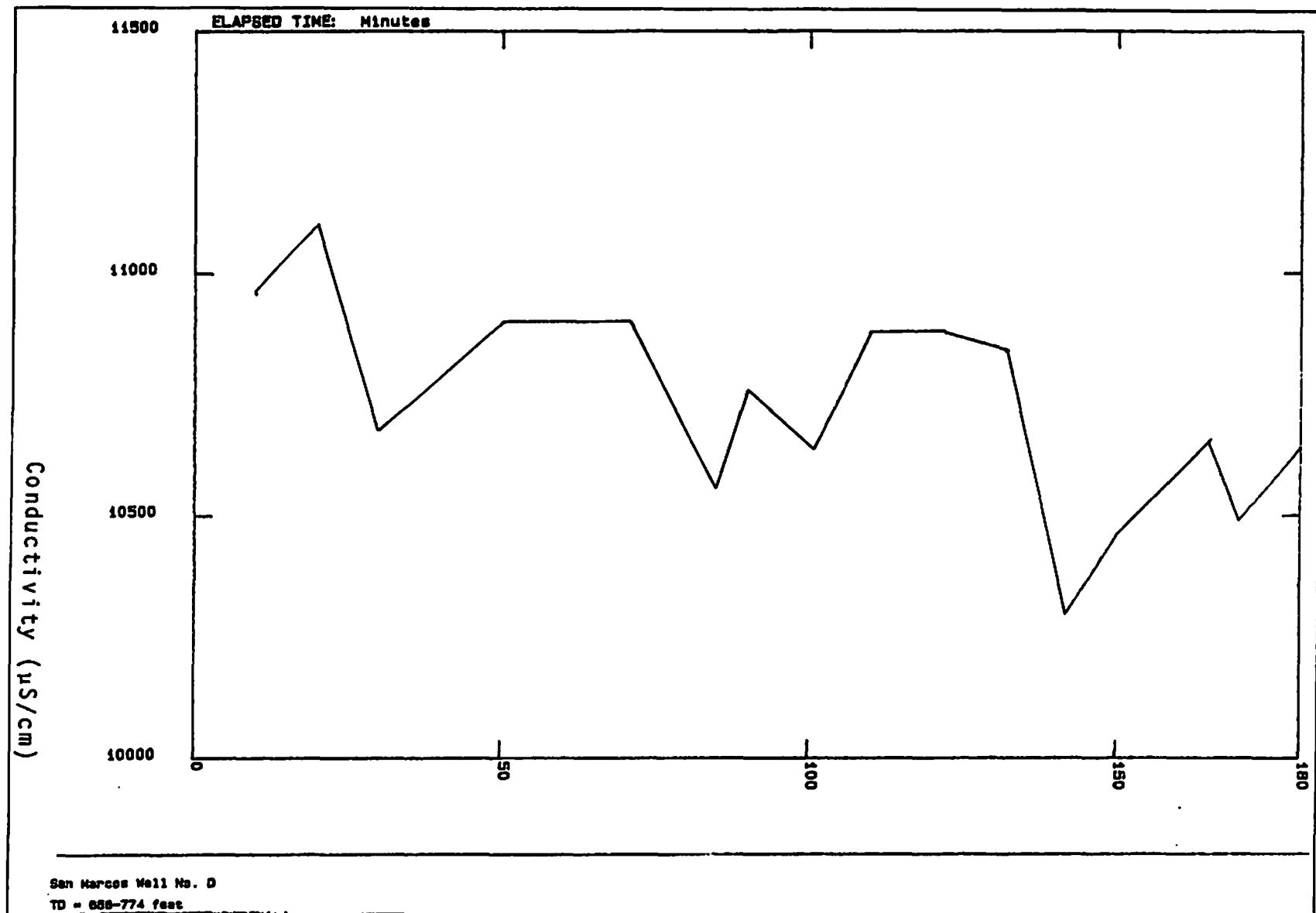
San Marcos Well No. D
TD = 711

Open Hole Test/Interval = 488-711 feet



TIME LOGS REPORT				TIME LOGS REPORT			
			Page 1				Page 2
Date TY/M/00 hh:mm:ss.s 92/02/29 14:00:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT				Date TY/M/00 hh:mm:ss.s 92/02/29 14:00:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real		TEMPERATURE	CONDUCTIVITY	Elapsed - TIME - Real		WATERLEVEL	
MINUTES	TY/M/00 hh:mm:ss	(Degree Celsius)	(Microsiemens per Centimeter)	MINUTES	TY/M/00 hh:mm:ss	(Feet below NP)	
0.00	92/02/29 14:00:00			165.00	92/02/29 16:45:00	14.60	
10.00	92/02/29 14:10:00	26.00	10960.00	170.00	92/02/29 16:50:00	14.60	
20.00	92/02/29 14:20:00	26.00	11100.00	180.00	92/02/29 17:00:00	14.60	
30.00	92/02/29 14:30:00	26.00	10680.00	181.00	92/02/29 17:01:00	8.10	
40.00	92/02/29 14:40:00	26.00	10900.00	182.00	92/02/29 17:02:00	8.00	
50.00	92/02/29 14:50:00	26.00	10900.00	183.00	92/02/29 17:03:00	7.80	
60.00	92/02/29 15:00:00	26.00	10960.00	184.00	92/02/29 17:04:00	7.70	
70.00	92/02/29 15:10:00	26.00	10760.00	185.00	92/02/29 17:05:00	7.60	
80.00	92/02/29 15:20:00	26.50	10640.00	186.00	92/02/29 17:06:00	7.55	
90.00	92/02/29 15:30:00	26.50	10680.00	187.00	92/02/29 17:07:00	7.55	
100.00	92/02/29 15:40:00	26.50	10680.00	188.00	92/02/29 17:08:00	7.50	
110.00	92/02/29 15:50:00	26.50	10640.00	189.00	92/02/29 17:09:00	7.45	
120.00	92/02/29 16:00:00	26.50	10300.00	190.00	92/02/29 17:10:00	7.40	
130.00	92/02/29 16:10:00	26.50	10460.00	191.00	92/02/29 17:11:00	7.35	
140.00	92/02/29 16:20:00	26.50	10680.00	192.00	92/02/29 17:12:00	7.35	
150.00	92/02/29 16:30:00	26.50	10490.00	193.00	92/02/29 17:13:00	7.25	
160.00	92/02/29 16:40:00	26.50	10490.00	194.00	92/02/29 17:14:00	7.20	
				195.00	92/02/29 17:15:00	7.15	
				196.00	92/02/29 17:16:00	7.05	
				200.00	92/02/29 17:20:00	6.95	
				205.00	92/02/29 17:25:00	6.85	
				210.00	92/02/29 17:30:00	6.75	
				220.00	92/02/29 17:40:00	6.70	
				230.00	92/02/29 17:50:00	6.60	
				240.00	92/02/29 18:00:00	6.60	
				250.00	92/02/29 18:10:00	6.60	
				260.00	92/02/29 18:20:00	6.60	
				270.00	92/02/29 18:30:00	6.60	
				280.00	92/02/29 18:40:00	6.60	
				290.00	92/02/29 18:50:00	6.60	
				300.00	92/02/29 19:00:00	6.60	
				310.00	92/02/29 19:10:00	6.60	
				320.00	92/02/29 19:20:00	6.60	
				330.00	92/02/29 19:30:00	6.60	
				340.00	92/02/29 19:40:00	6.60	
				350.00	92/02/29 19:50:00	6.60	
				360.00	92/02/29 20:00:00	6.60	





TIME LOGS REPORT			Page 1	TIME LOGS REPORT			Page 2
Date YY/MM/DD hh:mm:ss 92/03/02 11:00:00.0 Well I.D. SNO EDWARDS UNDERGROUND WATER DISTRICT				Date YY/MM/DD hh:mm:ss 92/03/02 11:00:00.0 Well I.D. SNO EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below NP=)		Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below NP=)	
0.00	92/03/02 11:00:00	13.20		72.00	92/03/02 12:12:00	14.95	
1.00	92/03/02 11:01:00	13.14		77.00	92/03/02 12:17:00	14.97	
2.00	92/03/02 11:02:00	13.02		82.00	92/03/02 12:22:00	15.04	
3.00	92/03/02 11:03:00	12.39		87.00	92/03/02 12:27:00	15.02	
4.00	92/03/02 11:04:00	12.56		92.00	92/03/02 12:32:00	15.13	
5.00	92/03/02 11:05:00	12.68		97.00	92/03/02 12:37:00	15.15	
6.00	92/03/02 11:06:00	13.00		102.00	92/03/02 12:42:00	15.13	
7.00	92/03/02 11:07:00	13.11		107.00	92/03/02 12:47:00	15.17	
8.00	92/03/02 11:08:00	13.22		112.00	92/03/02 12:52:00	15.77	
9.00	92/03/02 11:09:00	13.33		117.00	92/03/02 12:57:00	15.19	
10.00	92/03/02 11:10:00	13.44		122.00	92/03/02 13:02:00	15.21	
11.00	92/03/02 11:11:00	13.51		127.00	92/03/02 13:07:00	15.24	
12.00	92/03/02 11:12:00	13.64		132.00	92/03/02 13:12:00	15.24	
13.00	92/03/02 11:13:00	13.64		137.00	92/03/02 13:17:00	15.24	
14.00	92/03/02 11:14:00	13.68		142.00	92/03/02 13:22:00	15.28	
15.00	92/03/02 11:15:00	13.77		147.00	92/03/02 13:27:00	15.28	
16.00	92/03/02 11:16:00	13.84		152.00	92/03/02 13:32:00	15.30	
17.00	92/03/02 11:17:00	13.86		157.00	92/03/02 13:37:00	15.32	
18.00	92/03/02 11:18:00	13.90		162.00	92/03/02 13:42:00	15.30	
19.00	92/03/02 11:19:00	13.92		167.00	92/03/02 13:47:00	15.34	
20.00	92/03/02 11:20:00	13.97		172.00	92/03/02 13:52:00	15.30	
21.00	92/03/02 11:21:00	14.02		177.00	92/03/02 13:57:00	15.34	
22.00	92/03/02 11:22:00	14.06		182.00	92/03/02 14:02:00	15.34	
23.00	92/03/02 11:23:00	14.12		187.00	92/03/02 14:07:00	15.32	
24.00	92/03/02 11:24:00	14.16		192.00	92/03/02 14:12:00	15.32	
25.00	92/03/02 11:25:00	14.23		197.00	92/03/02 14:17:00	15.34	
26.00	92/03/02 11:26:00	14.23		202.00	92/03/02 14:22:00	15.32	
27.00	92/03/02 11:27:00	14.25		207.00	92/03/02 14:27:00	15.34	
28.00	92/03/02 11:28:00	14.27		212.00	92/03/02 14:32:00	15.41	
29.00	92/03/02 11:29:00	14.29		217.00	92/03/02 14:37:00	15.34	
30.00	92/03/02 11:30:00	14.29		222.00	92/03/02 14:42:00	15.34	
31.00	92/03/02 11:31:00	14.34		227.00	92/03/02 14:47:00	15.37	
32.00	92/03/02 11:32:00	14.49		232.00	92/03/02 14:52:00	15.34	
33.00	92/03/02 11:33:00	14.54		237.00	92/03/02 14:57:00	15.37	
34.00	92/03/02 11:34:00	14.69		242.00	92/03/02 15:02:00	15.34	
35.00	92/03/02 11:35:00	14.71		247.00	92/03/02 15:07:00	15.34	
36.00	92/03/02 11:36:00	14.82		252.00	92/03/02 15:12:00	15.37	
37.00	92/03/02 11:37:00	14.80		257.00	92/03/02 15:17:00	15.37	
38.00	92/03/02 11:38:00	14.84		262.00	92/03/02 15:22:00	15.39	
39.00	92/03/02 11:39:00	14.84		267.00	92/03/02 15:27:00	15.41	
40.00	92/03/02 11:40:00	14.89		272.00	92/03/02 15:32:00	15.41	
41.00	92/03/02 11:41:00	14.89		277.00	92/03/02 15:37:00	15.41	

(continued on next page)

TIME LOGS REPORT			Page 3
TT/WW/DD hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SWD EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES TT/WW/DD hh:mm:ss	WATERLEVEL (Feet below NP*)		
282.00	92/03/02 16:42:00	15.41	
287.00	92/03/02 16:47:00	15.39	
292.00	92/03/02 16:52:00	15.43	
297.00	92/03/02 16:57:00	15.41	
302.00	92/03/02 17:02:00	15.41	
307.00	92/03/02 17:07:00	15.41	
312.00	92/03/02 17:12:00	15.41	
317.00	92/03/02 17:17:00	15.40	
322.00	92/03/02 17:22:00	15.43	
327.00	92/03/02 17:27:00	15.43	
332.00	92/03/02 17:32:00	15.43	
337.00	92/03/02 17:37:00	15.43	
342.00	92/03/02 17:42:00	15.43	
347.00	92/03/02 17:47:00	15.45	
352.00	92/03/02 17:52:00	15.45	
357.00	92/03/02 17:57:00	15.43	
362.00	92/03/02 18:02:00	15.40	
367.00	92/03/02 18:07:00	15.45	
372.00	92/03/02 18:12:00	15.45	
377.00	92/03/02 18:17:00	15.40	
382.00	92/03/02 18:22:00	15.45	
387.00	92/03/02 18:27:00	15.45	
392.00	92/03/02 18:32:00	15.40	
397.00	92/03/02 18:37:00	15.40	
402.00	92/03/02 18:42:00	15.40	
407.00	92/03/02 18:47:00	15.50	
412.00	92/03/02 18:52:00	15.40	
417.00	92/03/02 18:57:00	15.40	
422.00	92/03/02 19:02:00	15.40	
427.00	92/03/02 19:07:00	15.40	
432.00	92/03/02 19:12:00	15.50	
437.00	92/03/02 19:17:00	15.52	
442.00	92/03/02 19:22:00	15.50	
447.00	92/03/02 19:27:00	15.50	
452.00	92/03/02 19:32:00	15.52	
457.00	92/03/02 19:37:00	15.52	
462.00	92/03/02 19:42:00	15.50	
467.00	92/03/02 19:47:00	15.50	
472.00	92/03/02 19:52:00	15.48	
477.00	92/03/02 19:57:00	15.50	
TIME LOGS REPORT			Page 4
TT/WW/DD hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SWD EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES TT/WW/DD hh:mm:ss	WATERLEVEL (Feet below NP*)		
482.00	92/03/02 19:02:00	15.40	
487.00	92/03/02 19:07:00	15.50	
492.00	92/03/02 19:12:00	16.15	
497.00	92/03/02 19:17:00	15.52	
502.00	92/03/02 19:22:00	15.72	
507.00	92/03/02 19:27:00	15.50	
512.00	92/03/02 19:32:00	16.79	
517.00	92/03/02 19:37:00	15.40	
522.00	92/03/02 19:42:00	15.50	
527.00	92/03/02 19:47:00	15.50	
532.00	92/03/02 19:52:00	15.50	
537.00	92/03/02 19:57:00	15.50	
542.00	92/03/02 20:02:00	6.00	
547.00	92/03/02 20:07:00	5.83	
552.00	92/03/02 20:12:00	5.28	
557.00	92/03/02 20:17:00	4.98	
562.00	92/03/02 20:22:00	4.74	
567.00	92/03/02 20:27:00	4.60	
572.00	92/03/02 20:32:00	4.45	
577.00	92/03/02 20:37:00	4.28	
582.00	92/03/02 20:42:00	4.13	
587.00	92/03/02 20:47:00	4.10	
592.00	92/03/02 20:52:00	4.04	
597.00	92/03/02 20:57:00	3.88	
602.00	92/03/02 21:02:00	3.64	
607.00	92/03/02 21:07:00	3.62	
612.00	92/03/02 21:12:00	3.79	
617.00	92/03/02 21:17:00	3.77	
622.00	92/03/02 21:22:00	3.75	
627.00	92/03/02 21:27:00	3.33	
632.00	92/03/02 21:32:00	3.69	
637.00	92/03/02 21:37:00	3.64	
642.00	92/03/02 21:42:00	4.50	
647.00	92/03/02 21:47:00	4.63	
652.00	92/03/02 21:52:00	3.60	
657.00	92/03/02 21:57:00	3.84	
662.00	92/03/02 22:02:00	4.71	
667.00	92/03/02 22:07:00	3.97	
672.00	92/03/02 22:12:00	3.55	
677.00	92/03/02 22:17:00	3.24	

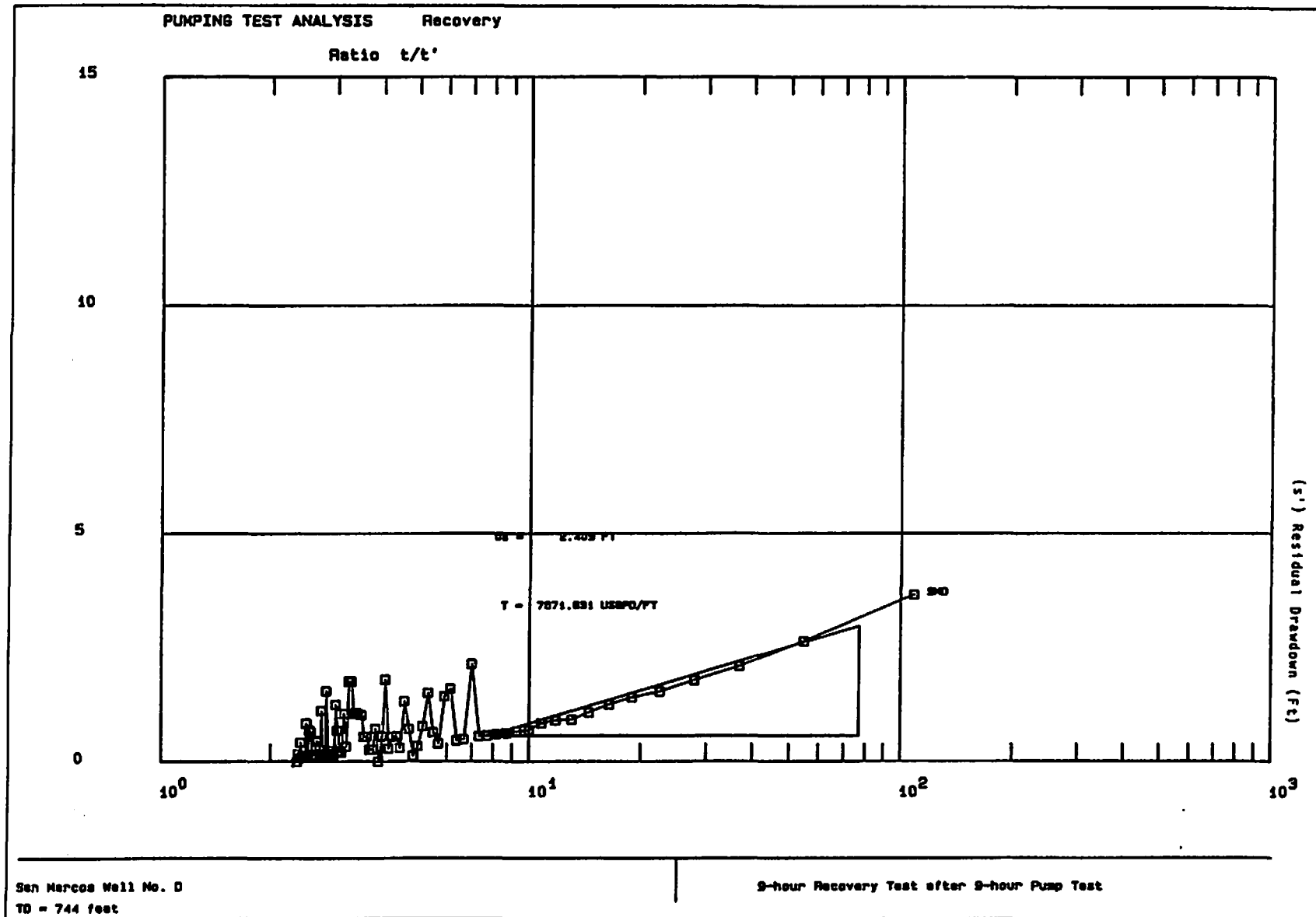
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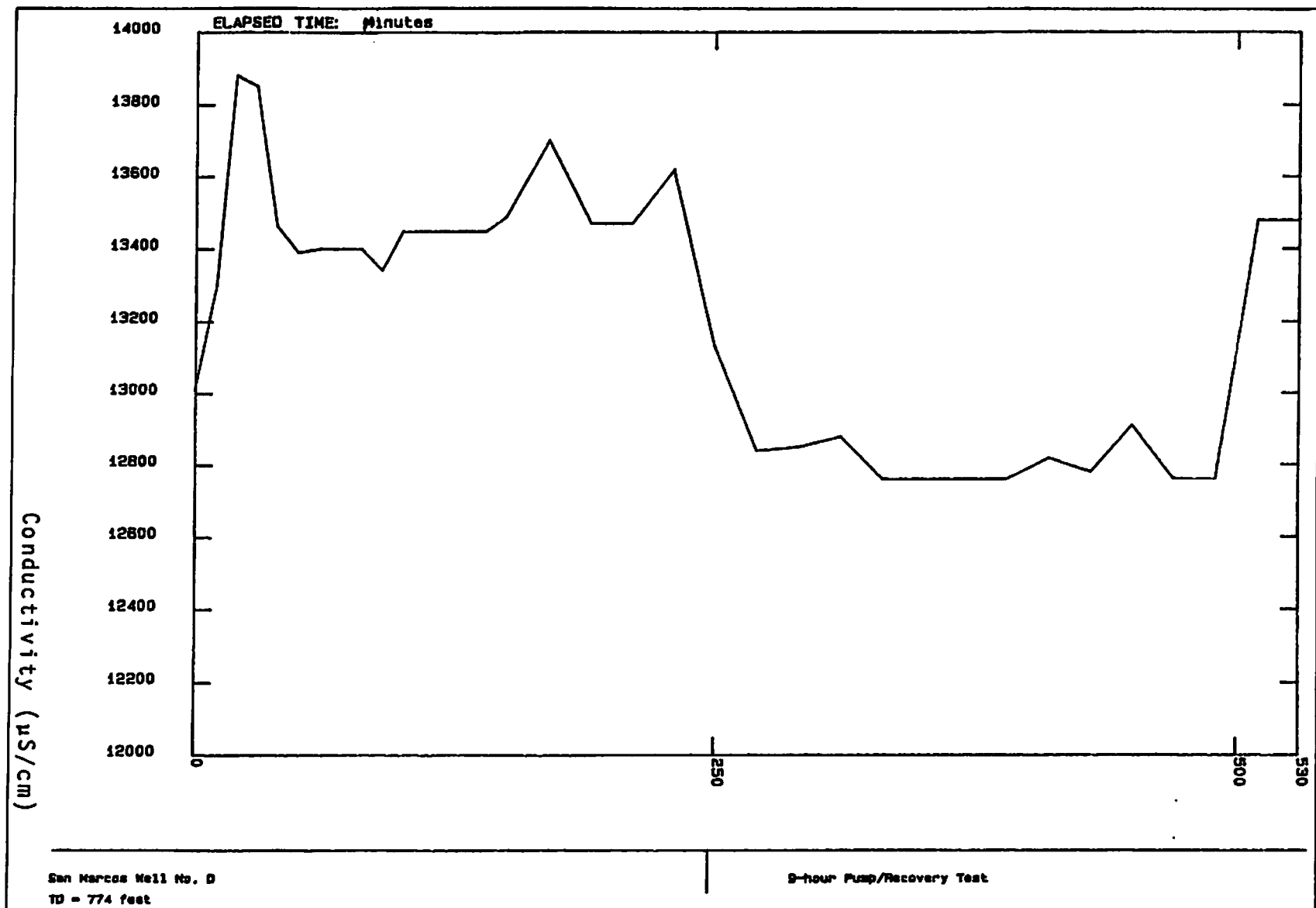
TIME LOGS REPORT			Page 5		
Date YY/MM/DD hh:mm:ss.0 92/03/02 11:00:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT					
Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below NP=)	Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below NP=)
682.00	92/03/02 22:22:00	3.93	682.00	92/03/02 22:22:00	3.93
687.00	92/03/02 22:27:00	4.82	687.00	92/03/02 22:27:00	4.82
692.00	92/03/02 22:32:00	3.81	692.00	92/03/02 22:32:00	3.81
697.00	92/03/02 22:37:00	3.75	697.00	92/03/02 22:37:00	3.75
702.00	92/03/02 22:42:00	3.75	702.00	92/03/02 22:42:00	3.75
707.00	92/03/02 22:47:00	3.49	707.00	92/03/02 22:47:00	3.49
712.00	92/03/02 22:52:00	4.99	712.00	92/03/02 22:52:00	4.99
717.00	92/03/02 22:57:00	3.75	717.00	92/03/02 22:57:00	3.75
722.00	92/03/02 23:02:00	3.20	722.00	92/03/02 23:02:00	3.20
727.00	92/03/02 23:07:00	3.93	727.00	92/03/02 23:07:00	3.93
732.00	92/03/02 23:12:00	3.47	732.00	92/03/02 23:12:00	3.47
737.00	92/03/02 23:17:00	3.47	737.00	92/03/02 23:17:00	3.47
742.00	92/03/02 23:22:00	3.75	742.00	92/03/02 23:22:00	3.75
747.00	92/03/02 23:27:00	3.75	747.00	92/03/02 23:27:00	3.75
752.00	92/03/02 23:32:00	4.23	752.00	92/03/02 23:32:00	4.23
757.00	92/03/02 23:37:00	4.25	757.00	92/03/02 23:37:00	4.25
762.00	92/03/02 23:42:00	4.28	762.00	92/03/02 23:42:00	4.28
767.00	92/03/02 23:47:00	4.25	767.00	92/03/02 23:47:00	4.25
772.00	92/03/02 23:52:00	4.95	772.00	92/03/02 23:52:00	4.95
777.00	92/03/02 23:57:00	4.95	777.00	92/03/02 23:57:00	4.95
782.00	92/03/03 00:02:00	3.53	782.00	92/03/03 00:02:00	3.53
787.00	92/03/03 00:07:00	4.25	787.00	92/03/03 00:07:00	4.25
792.00	92/03/03 00:12:00	3.40	792.00	92/03/03 00:12:00	3.40
797.00	92/03/03 00:17:00	3.44	797.00	92/03/03 00:17:00	3.44
802.00	92/03/03 00:22:00	3.88	802.00	92/03/03 00:22:00	3.88
807.00	92/03/03 00:27:00	4.45	807.00	92/03/03 00:27:00	4.45
812.00	92/03/03 00:32:00	3.34	812.00	92/03/03 00:32:00	3.34
817.00	92/03/03 00:37:00	3.38	817.00	92/03/03 00:37:00	3.38
822.00	92/03/03 00:42:00	3.44	822.00	92/03/03 00:42:00	3.44
827.00	92/03/03 00:47:00	3.28	827.00	92/03/03 00:47:00	3.28
832.00	92/03/03 00:52:00	4.75	832.00	92/03/03 00:52:00	4.75
837.00	92/03/03 00:57:00	3.34	837.00	92/03/03 00:57:00	3.34
842.00	92/03/03 01:02:00	3.31	842.00	92/03/03 01:02:00	3.31
847.00	92/03/03 01:07:00	4.32	847.00	92/03/03 01:07:00	4.32
852.00	92/03/03 01:12:00	3.38	852.00	92/03/03 01:12:00	3.38
857.00	92/03/03 01:17:00	3.64	857.00	92/03/03 01:17:00	3.64
862.00	92/03/03 01:22:00	3.66	862.00	92/03/03 01:22:00	3.66
867.00	92/03/03 01:27:00	3.34	867.00	92/03/03 01:27:00	3.34
872.00	92/03/03 01:32:00	3.36	872.00	92/03/03 01:32:00	3.36
877.00	92/03/03 01:37:00	3.31	877.00	92/03/03 01:37:00	3.31

TIME LOGS REPORT			Page 6		
Date YY/MM/DD hh:mm:ss.0 92/03/02 11:00:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT					
Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below NP=)	Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	WATERLEVEL (Feet below NP=)
882.00	92/03/03 01:42:00	3.86	882.00	92/03/03 01:42:00	3.86
887.00	92/03/03 01:47:00	3.90	887.00	92/03/03 01:47:00	3.90
892.00	92/03/03 01:52:00	3.31	892.00	92/03/03 01:52:00	3.31
897.00	92/03/03 01:57:00	4.04	897.00	92/03/03 01:57:00	4.04
902.00	92/03/03 02:02:00	3.34	902.00	92/03/03 02:02:00	3.34
907.00	92/03/03 02:07:00	3.34	907.00	92/03/03 02:07:00	3.34
912.00	92/03/03 02:12:00	3.31	912.00	92/03/03 02:12:00	3.31
917.00	92/03/03 02:17:00	3.62	917.00	92/03/03 02:17:00	3.62
922.00	92/03/03 02:22:00	3.37	922.00	92/03/03 02:22:00	3.37
927.00	92/03/03 02:27:00	3.38	927.00	92/03/03 02:27:00	3.38
932.00	92/03/03 02:32:00	3.20	932.00	92/03/03 02:32:00	3.20

TIME LOGS REPORT			Page 7				
Date YY/MM/DD hh:mm:ss.0 92/03/02 11:10:00.0 Well I.D. END EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	CONDUCTIVITY (Microsiemens per Centimeter)	TEMPERATURE (Degree Celsius)	Elapsed - TIME - Real MINUTES	YY/MM/DD hh:mm:ss	CONDUCTIVITY (Microsiemens per Centimeter)	TEMPERATURE (Degree Celsius)
0.00	92/03/02 11:10:00	13910.00	24.20	0.00	92/03/02 11:10:00	13910.00	24.20
11.00	92/03/02 11:21:00	13900.00	23.00	11.00	92/03/02 11:21:00	13900.00	23.00
20.00	92/03/02 11:30:00	13620.00	23.00	20.00	92/03/02 11:30:00	13620.00	23.00
30.00	92/03/02 11:40:00	13850.00	23.75	30.00	92/03/02 11:40:00	13850.00	23.75
40.00	92/03/02 11:50:00	13460.00	23.50	40.00	92/03/02 11:50:00	13460.00	23.50
50.00	92/03/02 12:00:00	13390.00	24.00	50.00	92/03/02 12:00:00	13390.00	24.00
60.00	92/03/02 12:10:00	13400.00	23.50	60.00	92/03/02 12:10:00	13400.00	23.50
70.00	92/03/02 12:20:00	13400.00	23.00	70.00	92/03/02 12:20:00	13400.00	23.00
80.00	92/03/02 12:30:00	13400.00	23.00	80.00	92/03/02 12:30:00	13400.00	23.00
90.00	92/03/02 12:40:00	13340.00	23.00	90.00	92/03/02 12:40:00	13340.00	23.00
100.00	92/03/02 12:50:00	13450.00	23.75	100.00	92/03/02 12:50:00	13450.00	23.75
110.00	92/03/02 13:00:00	13450.00	24.00	110.00	92/03/02 13:00:00	13450.00	24.00
120.00	92/03/02 13:10:00	13450.00	24.00	120.00	92/03/02 13:10:00	13450.00	24.00
130.00	92/03/02 13:20:00	13450.00	23.50	130.00	92/03/02 13:20:00	13450.00	23.50
140.00	92/03/02 13:30:00	13450.00	23.00	140.00	92/03/02 13:30:00	13450.00	23.00
150.00	92/03/02 13:40:00	13490.00	23.25	150.00	92/03/02 13:40:00	13490.00	23.25
160.00	92/03/02 14:00:00	13700.00	23.00	160.00	92/03/02 14:00:00	13700.00	23.00
170.00	92/03/02 14:20:00	13470.00	25.00	170.00	92/03/02 14:20:00	13470.00	25.00
180.00	92/03/02 14:40:00	13470.00	25.50	180.00	92/03/02 14:40:00	13470.00	25.50
190.00	92/03/02 15:00:00	13620.00	25.00	190.00	92/03/02 15:00:00	13620.00	25.00
200.00	92/03/02 15:20:00	13130.00	25.00	200.00	92/03/02 15:20:00	13130.00	25.00
210.00	92/03/02 15:40:00	12840.00	25.00	210.00	92/03/02 15:40:00	12840.00	25.00
220.00	92/03/02 16:00:00	12850.00	25.00	220.00	92/03/02 16:00:00	12850.00	25.00
230.00	92/03/02 16:20:00	12880.00	25.00	230.00	92/03/02 16:20:00	12880.00	25.00
240.00	92/03/02 16:40:00	12760.00	25.00	240.00	92/03/02 16:40:00	12760.00	25.00
250.00	92/03/02 17:00:00	12760.00	25.25	250.00	92/03/02 17:00:00	12760.00	25.25
260.00	92/03/02 17:20:00	12760.00	25.25	260.00	92/03/02 17:20:00	12760.00	25.25
270.00	92/03/02 17:40:00	12760.00	25.50	270.00	92/03/02 17:40:00	12760.00	25.50
280.00	92/03/02 18:00:00	12820.00	25.25	280.00	92/03/02 18:00:00	12820.00	25.25
290.00	92/03/02 18:20:00	12700.00	25.00	290.00	92/03/02 18:20:00	12700.00	25.00
300.00	92/03/02 18:40:00	12910.00	25.30	300.00	92/03/02 18:40:00	12910.00	25.30
310.00	92/03/02 19:00:00	12760.00	25.00	310.00	92/03/02 19:00:00	12760.00	25.00
320.00	92/03/02 19:20:00	12760.00	25.00	320.00	92/03/02 19:20:00	12760.00	25.00
330.00	92/03/02 19:40:00	13480.00	25.00	330.00	92/03/02 19:40:00	13480.00	25.00
340.00	92/03/02 20:00:00	13480.00	25.50	340.00	92/03/02 20:00:00	13480.00	25.50

I-189





Appendix II

APPENDIX II

**CHARTS CONTAINING WATER LEVEL, CONDUCTANCE AND TEMPERATURE
MEASUREMENTS FOR PUMP TESTS PERFORMED WITH OBSERVATION WELLS WITH
DRAWDOWN AND THEIR CURVES**

TIME LOGS REPORT				TIME LOGS REPORT			
Page 1				Page 3			
Date TT/HH/DD hh:mm:ss 00/04/06 08:35:00.0 Well I.D. 3881 EDWARDS UNDERGROUND WATER DISTRICT				Date TT/HH/DD hh:mm:ss 00/04/06 08:35:00.0 Well I.D. 3881 EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)	Elapsed MINUTES	TIME - Real TT/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00	00/04/06 08:33:00		730.00	378.00	00/04/06 18:13:00	7.47	
5.00	00/04/06 08:40:00			383.00	00/04/06 18:18:00	7.29	
10.00	00/04/06 08:45:00	43.37	834.00	391.00	00/04/06 18:26:00	6.90	
20.00	00/04/06 08:55:00	45.13	1330.00	398.00	00/04/06 18:33:00	6.67	
25.00	00/04/06 09:00:00		1440.00	400.00	00/04/06 18:35:00	6.63	
30.00	00/04/06 09:05:00	46.09	1478.00	405.00	00/04/06 18:40:00	6.42	
40.00	00/04/06 09:15:00	46.66	1352.00	411.00	00/04/06 18:46:00	6.26	
50.00	00/04/06 09:25:00	47.14	1392.00	420.00	00/04/06 18:53:00	6.03	
60.00	00/04/06 09:35:00	47.48	1610.00	430.00	00/04/06 19:03:00	5.83	
70.00	00/04/06 09:45:00	47.83	1677.00	440.00	00/04/06 19:13:00	5.62	
80.00	00/04/06 09:55:00	48.18	1700.00	441.00	00/04/06 19:16:00	5.31	
91.00	00/04/06 10:06:00	48.34	1738.00	477.00	00/04/06 19:52:00	5.13	
100.00	00/04/06 10:15:00	48.66	1766.00	482.00	00/04/06 19:57:00	5.06	
110.00	00/04/06 10:25:00	48.70	1788.00	490.00	00/04/06 20:03:00	4.99	
120.00	00/04/06 10:35:00	48.87	1800.00	712.00	00/04/06 20:27:00	4.82	
130.00	00/04/06 10:45:00	49.07	1821.00	728.00	00/04/06 20:43:00	4.58	
140.00	00/04/06 10:55:00	49.19	1825.00	730.00	00/04/06 20:45:00	4.54	
150.00	00/04/06 11:05:00	49.20	1860.00	740.00	00/04/06 20:55:00	4.46	
160.00	00/04/06 11:15:00	50.23	1867.00	750.00	00/04/06 21:05:00	4.48	
170.00	00/04/06 11:25:00	49.40	1872.00	760.00	00/04/06 21:15:00	4.24	
180.00	00/04/06 11:35:00	49.32	1888.00	770.00	00/04/06 21:25:00	4.28	
190.00	00/04/06 11:45:00	49.39	1910.00	780.00	00/04/06 21:35:00	4.21	
200.00	00/04/06 11:55:00	49.85	1913.00	790.00	00/04/06 21:45:00	4.27	
210.00	00/04/06 12:05:00	50.01	1920.00	800.00	00/04/06 21:55:00	4.23	
220.00	00/04/06 12:15:00	49.92	1928.00	810.00	00/04/06 22:05:00	4.20	
230.00	00/04/06 12:25:00	50.01	1939.00	820.00	00/04/06 22:15:00	4.17	
240.00	00/04/06 12:35:00	50.23	1952.00	830.00	00/04/06 22:25:00	4.14	
250.00	00/04/06 12:45:00	50.15	1954.00	840.00	00/04/06 22:35:00	4.10	
260.00	00/04/06 12:55:00	50.15	1964.00	850.00	00/04/06 22:45:00	4.07	
270.00	00/04/06 13:05:00	50.20	1976.00	860.00	00/04/06 22:55:00	4.04	
280.00	00/04/06 13:15:00	50.26	1978.00	870.00	00/04/06 23:05:00	4.01	
290.00	00/04/06 13:25:00	50.24	1978.00	880.00	00/04/06 23:15:00	3.99	
300.00	00/04/06 13:35:00	50.26	1986.00	890.00	00/04/06 23:25:00	3.96	
310.00	00/04/06 13:45:00	50.30	1994.00	900.00	00/04/06 23:35:00	3.93	
320.00	00/04/06 13:55:00	50.32	2006.00	910.00	00/04/06 23:45:00	3.90	
330.00	00/04/06 14:05:00	50.40	2000.00	920.00	00/04/06 23:55:00	3.87	
340.00	00/04/06 14:15:00	50.44	2002.00	930.00	00/04/07 00:05:00	3.85	
350.00	00/04/06 14:25:00	50.38	2003.00	940.00	00/04/07 00:15:00	3.82	
360.00	00/04/06 14:35:00	50.44	2011.00	950.00	00/04/07 00:25:00	3.80	
370.00	00/04/06 14:45:00	50.44	2028.00	960.00	00/04/07 00:35:00	3.78	
380.00	00/04/06 14:55:00	50.44					
390.00	00/04/06 15:05:00	50.47	2038.00				
400.00	00/04/06 15:15:00	50.51	2039.00				
410.00	00/04/06 15:25:00	50.52	2037.00				
420.00	00/04/06 15:35:00	50.48	2020.00				
430.00	00/04/06 15:45:00	50.53	2026.00				
440.00	00/04/06 15:55:00	50.65	2037.00				
451.00	00/04/06 16:06:00	50.63	2037.00				
460.00	00/04/06 16:15:00	50.64	2042.00				
470.00	00/04/06 16:25:00	50.63	2042.00				
480.00	00/04/06 16:35:00	50.60	2052.00				
490.00	00/04/06 16:45:00	50.61	2048.00				
500.00	00/04/06 16:55:00	50.64	2055.00				
510.00	00/04/06 17:05:00	50.79	2051.00				
520.00	00/04/06 17:15:00	50.80	2052.00				
530.00	00/04/06 17:25:00	50.81	2052.00				
540.00	00/04/06 17:35:00	50.86	2055.00				
541.00	00/04/06 17:36:00	19.88					
542.00	00/04/06 17:37:00	14.50					
543.00	00/04/06 17:38:00	14.50					
544.00	00/04/06 17:39:00	13.61					
545.00	00/04/06 17:40:00	12.90					
546.00	00/04/06 17:41:00	12.39					
547.00	00/04/06 17:42:00	11.94					
548.00	00/04/06 17:43:00	11.52					
549.00	00/04/06 17:44:00	11.19					
550.00	00/04/06 17:45:00	10.90					
551.00	00/04/06 17:46:00	10.62					
552.00	00/04/06 17:47:00	10.39					
553.00	00/04/06 17:48:00	10.16					
554.00	00/04/06 17:49:00	9.98					
555.00	00/04/06 17:50:00	9.78					
557.00	00/04/06 17:52:00	9.46					
559.00	00/04/06 17:54:00	9.16					
561.00	00/04/06 17:56:00	8.92					
563.00	00/04/06 17:58:00	8.69					
565.00	00/04/06 18:00:00	8.48					
567.00	00/04/06 18:02:00	8.21					
569.00	00/04/06 18:04:00	8.14					
570.00	00/04/06 18:05:00	8.06					

TIME LOGS REPORT

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Date 00/04/06 08:35:00.0
Well I.D. 5881

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00	00/04/06 08:35:00	
30.00	00/04/06 09:05:00	26.40
40.00	00/04/06 09:15:00	26.20
50.00	00/04/06 09:25:00	26.20
60.00	00/04/06 09:35:00	26.20
70.00	00/04/06 09:45:00	26.20
80.00	00/04/06 09:55:00	26.20
91.00	00/04/06 10:06:00	26.20
140.00	00/04/06 10:55:00	26.40
150.00	00/04/06 11:05:00	26.20
190.00	00/04/06 11:45:00	26.20
230.00	00/04/06 12:25:00	26.30
240.00	00/04/06 12:35:00	26.30
250.00	00/04/06 12:45:00	26.40
260.00	00/04/06 12:55:00	26.40
270.00	00/04/06 13:05:00	26.40
280.00	00/04/06 13:15:00	26.30
290.00	00/04/06 13:25:00	26.50
300.00	00/04/06 13:35:00	26.50
310.00	00/04/06 13:45:00	26.50
330.00	00/04/06 13:55:00	26.40
330.00	00/04/06 14:05:00	26.50
340.00	00/04/06 14:15:00	26.50
350.00	00/04/06 14:25:00	26.40
360.00	00/04/06 14:35:00	26.40
370.00	00/04/06 14:45:00	26.60
380.00	00/04/06 14:55:00	26.60
390.00	00/04/06 15:05:00	26.50
400.00	00/04/06 15:15:00	26.60
410.00	00/04/06 15:25:00	26.60
420.00	00/04/06 15:35:00	26.40
430.00	00/04/06 15:45:00	26.40
440.00	00/04/06 15:55:00	26.40
451.00	00/04/06 16:06:00	26.40
460.00	00/04/06 16:15:00	26.50
470.00	00/04/06 16:25:00	26.50
480.00	00/04/06 16:35:00	26.60
490.00	00/04/06 16:45:00	26.50
500.00	00/04/06 16:55:00	26.60
510.00	00/04/06 17:05:00	26.60

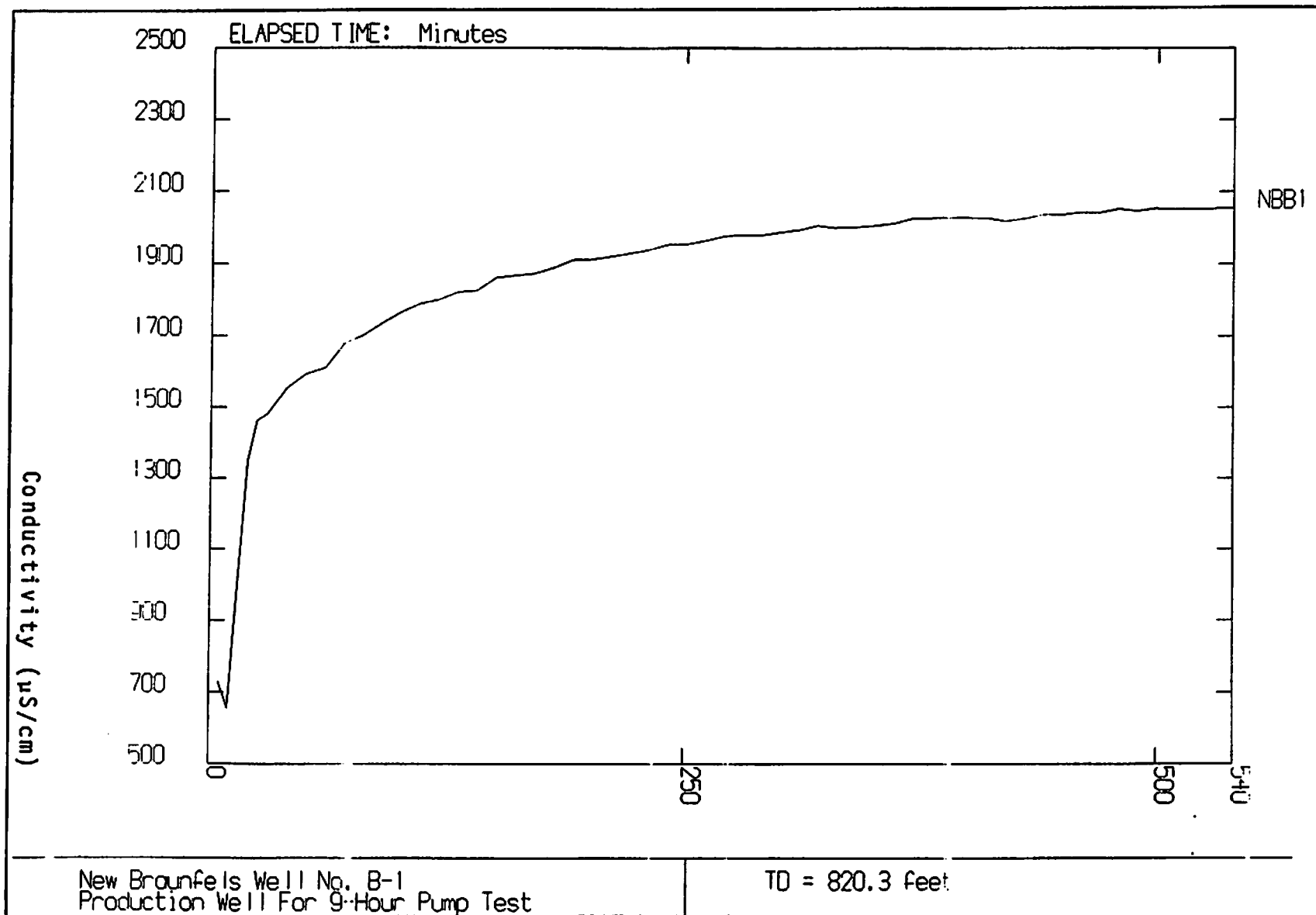
TIME LOGS REPORT

Page 6

Date 00/04/06 08:35:00.0
Well I.D. 5881

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES	TIME - Real YY/MM/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
520.00	00/04/06 17:15:00	26.40
530.00	00/04/06 17:25:00	26.50
540.00	00/04/06 17:35:00	26.40



TIME LOGS REPORT			TIME LOGS REPORT		
Page 1		Page 3			
Date TY/HH/DD hh:mm:ss 00/04/06 08:35:00.0 Well I.D. NELA EDWARDS UNDERGROUND WATER DISTRICT			Date TY/HH/DD hh:mm:ss 00/04/06 08:35:00.0 Well I.D. NELA EDWARDS UNDERGROUND WATER DISTRICT		
Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)
0.00	00/04/06 08:35:00	6.38	570.00	00/04/06 18:08:00	11.32
5.00	00/04/06 08:40:00	6.39	575.00	00/04/06 18:13:00	11.04
10.00	00/04/06 08:45:00	6.45	580.00	00/04/06 18:18:00	10.92
15.00	00/04/06 08:50:00	6.53	585.00	00/04/06 18:23:00	10.76
20.00	00/04/06 08:55:00	6.67	590.00	00/04/06 18:28:00	10.61
25.00	00/04/06 09:00:00	6.86	595.00	00/04/06 18:33:00	10.58
30.00	00/04/06 09:05:00	6.93	600.00	00/04/06 18:38:00	10.49
40.00	00/04/06 09:15:00	7.19	610.00	00/04/06 18:48:00	10.37
50.00	00/04/06 09:25:00	7.45	620.00	00/04/06 18:58:00	10.32
60.00	00/04/06 09:35:00	7.69	630.00	00/04/06 19:08:00	10.07
70.00	00/04/06 09:45:00	7.92	640.00	00/04/06 19:18:00	9.91
80.00	00/04/06 09:55:00	8.12	650.00	00/04/06 19:28:00	9.63
91.00	00/04/06 10:06:00	8.34	677.00	00/04/06 19:52:00	9.45
100.00	00/04/06 10:15:00	8.51	682.00	00/04/06 19:57:00	9.39
110.00	00/04/06 10:25:00	8.60	690.00	00/04/06 20:08:00	9.31
120.00	00/04/06 10:35:00	8.85	712.00	00/04/06 20:27:00	9.11
130.00	00/04/06 10:45:00	8.99	728.00	00/04/06 20:43:00	8.90
140.00	00/04/06 10:55:00	9.14	730.00	00/04/06 20:48:00	8.97
150.00	00/04/06 11:05:00	9.29	740.00	00/04/06 20:58:00	8.89
160.00	00/04/06 11:15:00	9.41	750.00	00/04/06 21:08:00	8.82
170.00	00/04/06 11:25:00	9.53	760.00	00/04/06 21:18:00	8.76
180.00	00/04/06 11:35:00	9.65	770.00	00/04/06 21:28:00	8.69
190.00	00/04/06 11:45:00	9.76	780.00	00/04/06 21:38:00	8.63
200.00	00/04/06 11:55:00	9.85	790.00	00/04/06 21:48:00	8.58
210.00	00/04/06 12:05:00	9.95	800.00	00/04/06 21:58:00	8.52
220.00	00/04/06 12:15:00	10.04	810.00	00/04/06 22:08:00	8.46
230.00	00/04/06 12:25:00	10.12	820.00	00/04/06 22:18:00	8.42
240.00	00/04/06 12:35:00	10.21	830.00	00/04/06 22:28:00	8.37
250.00	00/04/06 12:45:00	10.26	840.00	00/04/06 22:38:00	8.33
260.00	00/04/06 12:55:00	10.37	850.00	00/04/06 22:48:00	8.29
270.00	00/04/06 13:05:00	10.44	860.00	00/04/06 22:58:00	8.24
280.00	00/04/06 13:15:00	10.51	870.00	00/04/06 23:08:00	8.19
290.00	00/04/06 13:25:00	10.57	880.00	00/04/06 23:18:00	8.16
300.00	00/04/06 13:35:00	10.63	890.00	00/04/06 23:28:00	8.12
310.00	00/04/06 13:45:00	10.69	900.00	00/04/06 23:38:00	8.08
320.00	00/04/06 13:55:00	10.75	910.00	00/04/06 23:48:00	8.04
330.00	00/04/06 14:05:00	10.80	920.00	00/04/06 23:58:00	8.00
340.00	00/04/06 14:15:00	10.85	930.00	00/04/07 00:08:00	7.97
350.00	00/04/06 14:25:00	10.91	940.00	00/04/07 00:18:00	7.94
360.00	00/04/06 14:35:00	10.96	950.00	00/04/07 00:28:00	7.90
Date TY/HH/DD hh:mm:ss 00/04/06 08:35:00.0 Well I.D. NELA EDWARDS UNDERGROUND WATER DISTRICT			Date TY/HH/DD hh:mm:ss 00/04/06 08:35:00.0 Well I.D. NELA EDWARDS UNDERGROUND WATER DISTRICT		
Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)
370.00	00/04/06 14:45:00	11.00	960.00	00/04/07 00:38:00	7.86
380.00	00/04/06 14:55:00	11.05	970.00	00/04/07 00:48:00	7.83
390.00	00/04/06 15:05:00	11.10	980.00	00/04/07 00:58:00	7.79
400.00	00/04/06 15:15:00	11.16	990.00	00/04/07 01:08:00	7.76
410.00	00/04/06 15:25:00	11.21	1000.00	00/04/07 01:18:00	7.73
420.00	00/04/06 15:35:00	11.22	1010.00	00/04/07 01:28:00	7.69
430.00	00/04/06 15:45:00	11.24	1020.00	00/04/07 01:38:00	7.67
440.00	00/04/06 15:55:00	11.29	1030.00	00/04/07 01:48:00	7.64
451.00	00/04/06 16:06:00	11.23	1040.00	00/04/07 01:58:00	7.61
460.00	00/04/06 16:15:00	11.27	1050.00	00/04/07 02:08:00	7.58
470.00	00/04/06 16:25:00	11.40	1060.00	00/04/07 02:18:00	7.55
480.00	00/04/06 16:35:00	11.43	1070.00	00/04/07 02:28:00	7.52
490.00	00/04/06 16:45:00	11.46	1080.00	00/04/07 02:38:00	7.49
500.00	00/04/06 16:55:00	11.50			
510.00	00/04/06 17:05:00	11.53			
520.00	00/04/06 17:15:00	11.57			
530.00	00/04/06 17:25:00	11.59			
540.00	00/04/06 17:35:00	11.62			
541.00	00/04/06 17:36:00	11.62			
542.00	00/04/06 17:37:00	11.62			
543.00	00/04/06 17:38:00	11.62			
544.00	00/04/06 17:39:00	11.63			
545.00	00/04/06 17:40:00	11.63			
546.00	00/04/06 17:41:00	11.63			
547.00	00/04/06 17:42:00	11.63			
548.00	00/04/06 17:43:00	11.63			
549.00	00/04/06 17:44:00	11.63			
550.00	00/04/06 17:45:00	11.61			
551.00	00/04/06 17:46:00	11.61			
552.00	00/04/06 17:47:00	11.60			
553.00	00/04/06 17:48:00	11.58			
554.00	00/04/06 17:49:00	11.57			
555.00	00/04/06 17:50:00	11.55			
557.00	00/04/06 17:52:00	11.51			
559.00	00/04/06 17:54:00	11.47			
561.00	00/04/06 17:56:00	11.43			
563.00	00/04/06 17:58:00	11.39			
565.00	00/04/06 18:00:00	11.34			
567.00	00/04/06 18:02:00	11.39			
569.00	00/04/06 18:04:00	11.34			

TIME LOGS REPORT			Page 1	TIME LOGS REPORT			Page 2
Date	TY/KM/DD hh:mm:ss.s	00/04/06 08:35:00.0		Date	TY/KM/DD hh:mm:ss.s	00/04/06 08:35:00.0	
Well I.D.	NRB2			Well I.D.	NRB2		
EDWARDS UNDERGROUND WATER DISTRICT				EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed MINUTES	- TIME - Real TY/KM/DD hh:mm:ss	WATER LEVEL (Foot below LEO)		Elapsed MINUTES	- TIME - Real TY/KM/DD hh:mm:ss	WATER LEVEL (Foot below LEO)	
0.00	00/04/06 08:35:00	4.35		870.00	00/04/06 19:05:00	9.99	
5.00	00/04/06 08:40:00	9.93		875.00	00/04/06 19:10:00	9.36	
10.00	00/04/06 08:45:00	12.63		880.00	00/04/06 19:15:00	9.03	
15.00	00/04/06 08:50:00	12.69		885.00	00/04/06 19:20:00	8.39	
20.00	00/04/06 08:55:00	13.45		890.00	00/04/06 19:25:00	8.27	
25.00	00/04/06 09:00:00	14.05		895.00	00/04/06 19:30:00	8.10	
30.00	00/04/06 09:05:00	14.34		900.00	00/04/06 19:35:00	7.96	
35.00	00/04/06 09:10:00	17.98		905.00	00/04/06 19:40:00	7.74	
40.00	00/04/06 09:15:00	15.31		910.00	00/04/06 19:45:00	7.44	
45.00	00/04/06 09:20:00	15.89		915.00	00/04/06 19:50:00	7.16	
50.00	00/04/06 09:25:00	16.38		920.00	00/04/06 19:55:00	6.93	
55.00	00/04/06 09:30:00	16.80		925.00	00/04/06 20:00:00	6.49	
60.00	00/04/06 09:35:00	17.15		930.00	00/04/06 20:05:00	6.22	
65.00	00/04/06 09:40:00	17.49		935.00	00/04/06 20:10:00	6.15	
70.00	00/04/06 09:45:00	17.73		940.00	00/04/06 20:15:00	6.03	
75.00	00/04/06 09:50:00	17.98		945.00	00/04/06 20:20:00	5.77	
80.00	00/04/06 09:55:00	18.21		950.00	00/04/06 20:25:00	5.61	
85.00	00/04/06 10:00:00	18.41		955.00	00/04/06 20:30:00	5.39	
90.00	00/04/06 10:05:00	18.59		960.00	00/04/06 20:35:00	5.26	
95.00	00/04/06 10:10:00	18.75		965.00	00/04/06 20:40:00	5.22	
100.00	00/04/06 10:15:00	19.04		970.00	00/04/06 20:45:00	5.10	
105.00	00/04/06 10:20:00	19.12		975.00	00/04/06 20:50:00	5.05	
110.00	00/04/06 10:25:00	19.17		980.00	00/04/06 20:55:00	5.00	
115.00	00/04/06 10:30:00	19.37		985.00	00/04/06 21:00:00	4.98	
120.00	00/04/06 10:35:00	19.37		990.00	00/04/06 21:05:00	4.91	
125.00	00/04/06 10:40:00	19.37		995.00	00/04/06 21:10:00	4.86	
130.00	00/04/06 10:45:00	19.52		1000.00	00/04/06 21:15:00	4.82	
135.00	00/04/06 10:50:00	19.63		1005.00	00/04/06 21:20:00	4.78	
140.00	00/04/06 10:55:00	19.73		1010.00	00/04/06 21:25:00	4.74	
145.00	00/04/06 11:00:00	19.82		1015.00	00/04/06 21:30:00	4.70	
150.00	00/04/06 11:05:00	19.90		1020.00	00/04/06 21:35:00	4.66	
155.00	00/04/06 11:10:00	19.98		1025.00	00/04/06 21:40:00	4.62	
160.00	00/04/06 11:15:00	20.04		1030.00	00/04/06 21:45:00	4.58	
165.00	00/04/06 11:20:00	20.10		1035.00	00/04/06 21:50:00	4.53	
170.00	00/04/06 11:25:00	20.16		1040.00	00/04/06 21:55:00	4.52	
175.00	00/04/06 11:30:00	20.22		1045.00	00/04/06 22:00:00	4.49	
180.00	00/04/06 11:35:00	20.27		1050.00	00/04/06 22:05:00	4.46	
185.00	00/04/06 11:40:00	20.32		1055.00	00/04/06 22:10:00	4.43	
190.00	00/04/06 11:45:00	20.32		1060.00	00/04/06 22:15:00	4.40	
195.00	00/04/06 11:50:00	20.37		1065.00	00/04/06 22:20:00	4.37	
200.00	00/04/06 11:55:00	20.37		1070.00	00/04/06 22:25:00	4.34	
205.00	00/04/06 12:00:00	20.41		1075.00	00/04/06 22:30:00	4.32	
210.00	00/04/06 12:05:00	20.46		1080.00	00/04/06 22:35:00	4.29	
215.00	00/04/06 12:10:00	20.50		1085.00	00/04/06 22:40:00	4.27	
220.00	00/04/06 12:15:00	20.50		1090.00	00/04/06 22:45:00	4.25	
225.00	00/04/06 12:20:00	20.56		1095.00	00/04/06 22:50:00	4.22	
230.00	00/04/06 12:25:00	20.66		1100.00	00/04/06 22:55:00	4.20	
235.00	00/04/06 12:30:00	20.72		1105.00	00/04/06 23:00:00	4.17	
240.00	00/04/06 12:35:00	20.74		1110.00	00/04/06 23:05:00	4.15	
245.00	00/04/06 12:40:00	20.79					
250.00	00/04/06 12:45:00	20.82					
255.00	00/04/06 12:50:00	20.84					
260.00	00/04/06 12:55:00	20.86					
265.00	00/04/06 13:00:00	20.88					
270.00	00/04/06 13:05:00	20.92					
275.00	00/04/06 13:10:00	20.94					
280.00	00/04/06 13:15:00	20.96					
285.00	00/04/06 13:20:00	20.96					
290.00	00/04/06 13:25:00	21.00					
295.00	00/04/06 13:30:00	21.02					
300.00	00/04/06 13:35:00	20.30					
305.00	00/04/06 13:40:00	18.70					
310.00	00/04/06 13:45:00	17.36					
315.00	00/04/06 13:50:00	16.32					
320.00	00/04/06 13:55:00	15.31					
325.00	00/04/06 14:00:00	14.87					
330.00	00/04/06 14:05:00	14.35					
335.00	00/04/06 14:10:00	13.90					
340.00	00/04/06 14:15:00	13.52					
345.00	00/04/06 14:20:00	13.19					
350.00	00/04/06 14:25:00	12.89					
355.00	00/04/06 14:30:00	12.63					
360.00	00/04/06 14:35:00	12.39					
365.00	00/04/06 14:40:00	12.17					
370.00	00/04/06 14:45:00	11.96					
375.00	00/04/06 14:50:00	11.60					
380.00	00/04/06 14:55:00	11.38					
385.00	00/04/06 15:00:00	10.99					
390.00	00/04/06 15:05:00	10.73					
395.00	00/04/06 15:10:00	10.50					
400.00	00/04/06 15:15:00	10.38					
405.00	00/04/06 15:20:00	10.09					

TIME LOGS REPORT			Page 1
Date	TY/HH/DD hh:mm:ss.S		
Well I.D.	00/04/06 08:35:00.0		
	82		
EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed MINUTES	TIME - Real TY/HH/DD hh:mm:ss	WATER LEVEL (Feet below LSD)	
0.00	00/04/06 08:35:00	4.25	
5.00	00/04/06 08:40:00	9.99	
10.00	00/04/06 08:45:00	11.63	
15.00	00/04/06 08:50:00	12.69	
20.00	00/04/06 08:55:00	13.43	
25.00	00/04/06 09:00:00	14.03	
30.00	00/04/06 09:05:00	14.54	
35.00	00/04/06 09:10:00	15.21	
40.00	00/04/06 09:15:00	15.49	
45.00	00/04/06 09:20:00	16.38	
50.00	00/04/06 09:25:00	16.80	
55.00	00/04/06 09:30:00	17.15	
60.00	00/04/06 09:35:00	17.49	
65.00	00/04/06 09:40:00	17.73	
70.00	00/04/06 09:45:00	17.98	
75.00	00/04/06 09:50:00	18.21	
80.00	00/04/06 09:55:00	18.41	
85.00	00/04/06 10:00:00	18.59	
90.00	00/04/06 10:05:00	18.75	
95.00	00/04/06 10:10:00	19.04	
100.00	00/04/06 10:15:00	19.12	
105.00	00/04/06 10:20:00	19.17	
110.00	00/04/06 10:25:00	19.27	
115.00	00/04/06 10:30:00	19.37	
120.00	00/04/06 10:35:00	19.42	
125.00	00/04/06 10:40:00	19.43	
130.00	00/04/06 10:45:00	19.73	
135.00	00/04/06 10:50:00	19.82	
140.00	00/04/06 10:55:00	19.86	
145.00	00/04/06 11:00:00	19.90	
150.00	00/04/06 11:05:00	19.98	
155.00	00/04/06 11:10:00	20.04	
160.00	00/04/06 11:15:00	20.10	
165.00	00/04/06 11:20:00	20.16	
170.00	00/04/06 11:25:00	20.22	
175.00	00/04/06 11:30:00	20.27	
180.00	00/04/06 11:35:00	20.32	
185.00	00/04/06 11:40:00	20.37	
190.00	00/04/06 11:45:00	20.41	
195.00	00/04/06 11:50:00	20.46	
200.00	00/04/06 11:55:00	20.50	
205.00	00/04/06 12:00:00	20.54	
210.00	00/04/06 12:05:00	20.58	
215.00	00/04/06 12:10:00	20.64	
220.00	00/04/06 12:15:00	20.68	
225.00	00/04/06 12:20:00	20.70	
230.00	00/04/06 12:25:00	20.72	
235.00	00/04/06 12:30:00	20.76	
240.00	00/04/06 12:35:00	20.79	
245.00	00/04/06 12:40:00	20.82	
250.00	00/04/06 12:45:00	20.84	
255.00	00/04/06 12:50:00	20.86	
260.00	00/04/06 12:55:00	20.89	
265.00	00/04/06 13:00:00	20.92	
270.00	00/04/06 13:05:00	20.94	
275.00	00/04/06 13:10:00	20.96	
280.00	00/04/06 13:15:00	20.98	
285.00	00/04/06 13:20:00	21.00	
290.00	00/04/06 13:25:00	21.02	
295.00	00/04/06 13:30:00	20.90	
300.00	00/04/06 13:35:00	18.70	
305.00	00/04/06 13:40:00	17.36	
310.00	00/04/06 13:45:00	16.32	
315.00	00/04/06 13:50:00	15.51	
320.00	00/04/06 13:55:00	14.87	
325.00	00/04/06 14:00:00	14.35	
330.00	00/04/06 14:05:00	13.90	
335.00	00/04/06 14:10:00	13.52	
340.00	00/04/06 14:15:00	13.19	
345.00	00/04/06 14:20:00	12.89	
350.00	00/04/06 14:25:00	12.63	
355.00	00/04/06 14:30:00	12.39	
360.00	00/04/06 14:35:00	12.17	
365.00	00/04/06 14:40:00	11.96	
370.00	00/04/06 14:45:00	11.60	
375.00	00/04/06 14:50:00	11.28	
380.00	00/04/06 14:55:00	10.99	
385.00	00/04/06 15:00:00	10.73	
390.00	00/04/06 15:05:00	10.50	
395.00	00/04/06 15:10:00	10.28	
400.00	00/04/06 15:15:00	10.09	
405.00	00/04/06 15:20:00	9.93	
410.00	00/04/06 15:25:00	9.78	
415.00	00/04/06 15:30:00	9.63	
420.00	00/04/06 15:35:00	9.49	
425.00	00/04/06 15:40:00	9.37	
430.00	00/04/06 15:45:00	9.26	
435.00	00/04/06 15:50:00	9.16	
440.00	00/04/06 15:55:00	9.07	
445.00	00/04/06 16:00:00	8.99	
450.00	00/04/06 16:05:00	8.92	
455.00	00/04/06 16:10:00	8.86	
460.00	00/04/06 16:15:00	8.80	
465.00	00/04/06 16:20:00	8.74	
470.00	00/04/06 16:25:00	8.68	
475.00	00/04/06 16:30:00	8.62	
480.00	00/04/06 16:35:00	8.56	
485.00	00/04/06 16:40:00	8.50	
490.00	00/04/06 16:45:00	8.44	
495.00	00/04/06 16:50:00	8.38	
500.00	00/04/06 16:55:00	8.32	
505.00	00/04/06 17:00:00	8.26	
510.00	00/04/06 17:05:00	8.20	
515.00	00/04/06 17:10:00	8.14	
520.00	00/04/06 17:15:00	8.08	
525.00	00/04/06 17:20:00	8.02	
530.00	00/04/06 17:25:00	7.96	
535.00	00/04/06 17:30:00	7.90	
540.00	00/04/06 17:35:00	7.84	
545.00	00/04/06 17:40:00	7.78	
550.00	00/04/06 17:45:00	7.72	
555.00	00/04/06 17:50:00	7.66	
560.00	00/04/06 17:55:00	7.60	
565.00	00/04/06 18:00:00	7.54	
570.00	00/04/06 18:05:00	7.48	
575.00	00/04/06 18:10:00	7.42	
580.00	00/04/06 18:15:00	7.36	
585.00	00/04/06 18:20:00	7.30	
590.00	00/04/06 18:25:00	7.24	
595.00	00/04/06 18:30:00	7.18	
600.00	00/04/06 18:35:00	7.12	
605.00	00/04/06 18:40:00	7.06	
610.00	00/04/06 18:45:00	7.00	
615.00	00/04/06 18:50:00	6.94	
620.00	00/04/06 18:55:00	6.88	
625.00	00/04/06 19:00:00	6.82	
630.00	00/04/06 19:05:00	6.76	
635.00	00/04/06 19:10:00	6.70	
640.00	00/04/06 19:15:00	6.64	
645.00	00/04/06 19:20:00	6.58	
650.00	00/04/06 19:25:00	6.52	
655.00	00/04/06 19:30:00	6.46	
660.00	00/04/06 19:35:00	6.40	
665.00	00/04/06 19:40:00	6.34	
670.00	00/04/06 19:45:00	6.28	
675.00	00/04/06 19:50:00	6.22	
680.00	00/04/06 19:55:00	6.16	
685.00	00/04/06 20:00:00	6.10	
690.00	00/04/06 20:05:00	6.04	
695.00	00/04/06 20:10:00	5.98	
700.00	00/04/06 20:15:00	5.92	
705.00	00/04/06 20:20:00	5.86	
710.00	00/04/06 20:25:00	5.80	
715.00	00/04/06 20:30:00	5.74	
720.00	00/04/06 20:35:00	5.68	
725.00	00/04/06 20:40:00	5.62	
730.00	00/04/06 20:45:00	5.56	
735.00	00/04/06 20:50:00	5.50	
740.00	00/04/06 20:55:00	5.44	
745.00	00/04/06 21:00:00	5.38	
750.00	00/04/06 21:05:00	5.32	
755.00	00/04/06 21:10:00	5.26	
760.00	00/04/06 21:15:00	5.20	
765.00	00/04/06 21:20:00	5.14	
770.00	00/04/06 21:25:00	5.08	
775.00	00/04/06 21:30:00	5.02	
780.00	00/04/06 21:35:00	4.96	
785.00	00/04/06 21:40:00	4.90	
790.00	00/04/06 21:45:00	4.84	
795.00	00/04/06 21:50:00	4.78	
800.00	00/04/06 21:55:00	4.72	
805.00	00/04/06 22:00:00	4.66	
810.00	00/04/06 22:05:00	4.60	
815.00	00/04/06 22:10:00	4.54	
820.00	00/04/06 22:15:00	4.48	
825.00	00/04/06 22:20:00	4.42	
830.00	00/04/06 22:25:00	4.36	
835.00	00/04/06 22:30:00	4.30	
840.00	00/04/06 22:35:00	4.24	
845.00	00/04/06 22:40:00	4.18	
850.00	00/04/06 22:45:00	4.12	
855.00	00/04/06 22:50:00	4.06	
860.00	00/04/06 22:55:00	4.00	
865.00	00/04/06 23:00:00	3.94	
870.00	00/04/06 23:05:00	3.88	
875.00	00/04/06 23:10:00	3.82	
880.00	00/04/06 23:15:00	3.76	
885.00	00/04/06 23:20:00	3.70	
890.00	00/04/06 23:25:00	3.64	
895.00	00/04/06 23:30:00	3.58	
900.00	00/04/06 23:35:00	3.52	
905.00	00/04/06 23:40:00	3.46	
910.00	00/04/06 23:45:00	3.40	
915.00	00/04/06 23:50:00	3.34	
920.00	00/04/06 23:55:00	3.28	
925.00	00/04/06 24:00:00	3.22	
930.00	00/04/06 24:05:00	3.16	
935.00	00/04/06 24:10:00	3.10	
940.00	00/04/06 24:15:00	3.04	
945.00	00/04/06 24:20:00	2.98	
950.00	00/04/06 24:25:00	2.92	
955.00	00/04/06 24:30:00	2.86	
960.00	00/04/06 24:35:00	2.80	
965.00	00/04/06 24:40:00	2.74	
970.00	00/04/06 24:45:00	2.68	
975.00	00/04/06 24:50:00	2.62	
980.00	00/04/06 24:55:00	2.56	
985.00	00/04/06 25:00:00	2.50	
990.00	00/04/06 25:05:00	2.44	
995.00	00/04/06 25:10:00	2.38	
1000.00	00/04/06 25:15:00	2.32	
1005.00	00/04/06 25:20:00	2.26	
1010.00	00/04/06 25:25:00	2.20	
1015.00	00/04/06 25:30:00	2.14	
1020.00	00/04/06 25:35:00	2.08	
1025.00	00/04/06 25:40:00	2.02	
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1040.00	00/04/06 25:55:00	1.84	
1045.00	00/04/06 26:00:00	1.78	
1050.00	00/04/06 26:05:00	1.72	
1055.00	00/04/06 26:10:00	1.66	
1060.00	00/04/06 26:15:00	1.60	
1065.00	00/04/06 26:20:00	1.54	
1070.00	00/04/06 26:25:00	1.48	
1075.00	00/04/06 26:30:00	1.42	
1080.00	00/04/06 26:35:00	1.36	
1085.00	00/04/06 26:40:00	1.30	
1090.00	00/04/06 26:45:00	1.24	
1095.00	00/04/06 26:50:00	1.18	
1100.00	00/04/06 26:55:00	1.12	
1105.00	00/04/06 27:00:00	1.06	
1110.00	00/04/06 27:05:00	1.00	
1115.00	00/04/06 27:10:00	0.94	
1120.00	00/04/06 27:15:00	0.88	
1125.00	00/04/06 27:20:00	0.82	
1130.00	00/04/06 27:25:00	0.76	
1135.00	00/04/06 27:30:00	0.70	
1140.00	00/04/06 27:35:00	0.64	
1145.00	00/04/06 27:40:00	0.58	
1150.00	00/04/06 27:45:00	0.52	
1155.00	00/04/06 27:50:00	0.46	
1160.00	00/04/06 27:55:00	0.40	
1165.00	00/04/06 28:00:00	0.34	
1170.00	00/04/06 28:05:00	0.28	
1175.00	00/04/06 28:10:		

TIME LOGS REPORT			Page 1
Date	YY/MM/DD hh:mm:ss.s		
Well I.D.	WBC1		
EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real	WATER LEVEL		
MINUTES YY/MM/DD hh:mm:ss	(Feet below LSD)		
0.00	90/04/06 08:33:00	4.20	
5.00	90/04/06 08:40:00	4.24	
10.00	90/04/06 08:45:00	4.40	
15.00	90/04/06 08:50:00	4.79	
20.00	90/04/06 08:55:00	4.90	
25.00	90/04/06 09:00:00	5.13	
30.00	90/04/06 09:05:00	5.46	
35.00	90/04/06 09:10:00	5.71	
40.00	90/04/06 09:15:00	5.84	
45.00	90/04/06 09:20:00	6.13	
50.00	90/04/06 09:25:00	6.30	
55.00	90/04/06 09:30:00	6.46	
60.00	90/04/06 09:35:00	6.57	
65.00	90/04/06 09:40:00	6.69	
70.00	90/04/06 09:45:00	6.80	
75.00	90/04/06 09:50:00	6.90	
80.00	90/04/06 09:55:00	6.98	
85.00	90/04/06 10:00:00	7.03	
90.00	90/04/06 10:05:00	7.12	
95.00	90/04/06 10:10:00	7.19	
100.00	90/04/06 10:15:00	7.26	
105.00	90/04/06 10:20:00	7.30	
110.00	90/04/06 10:25:00	7.33	
115.00	90/04/06 10:30:00	7.39	
120.00	90/04/06 10:35:00	7.42	
125.00	90/04/06 10:40:00	7.46	
130.00	90/04/06 10:45:00	7.50	
135.00	90/04/06 10:50:00	7.54	
140.00	90/04/06 10:55:00	7.56	
145.00	90/04/06 11:00:00	7.59	
150.00	90/04/06 11:05:00	7.62	
155.00	90/04/06 11:10:00	7.65	
160.00	90/04/06 11:15:00	7.67	
165.00	90/04/06 11:20:00	7.70	
170.00	90/04/06 11:25:00	7.72	
175.00	90/04/06 11:30:00	7.74	
180.00	90/04/06 11:35:00	7.76	
185.00	90/04/06 11:40:00	7.78	
190.00	90/04/06 11:45:00	7.80	
195.00	90/04/06 11:50:00	7.82	
200.00	90/04/06 11:55:00	7.83	
205.00	90/04/06 12:00:00	7.84	
210.00	90/04/06 12:05:00	7.86	
215.00	90/04/06 12:10:00	7.87	
220.00	90/04/06 12:15:00	7.88	
225.00	90/04/06 12:20:00	7.89	
230.00	90/04/06 12:25:00	7.90	
235.00	90/04/06 12:30:00	7.91	
240.00	90/04/06 12:35:00	7.92	
245.00	90/04/06 12:40:00	7.93	
250.00	90/04/06 12:45:00	7.94	
255.00	90/04/06 12:50:00	7.95	
260.00	90/04/06 12:55:00	7.95	
265.00	90/04/06 13:00:00	7.96	
270.00	90/04/06 13:05:00	7.97	
275.00	90/04/06 13:10:00	7.98	
280.00	90/04/06 13:15:00	7.99	
285.00	90/04/06 13:20:00	7.99	
290.00	90/04/06 13:25:00	7.99	
295.00	90/04/06 13:30:00	7.99	
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305.00	90/04/06 13:40:00	8.00	
310.00	90/04/06 13:45:00	8.00	
315.00	90/04/06 13:50:00	8.00	
320.00	90/04/06 13:55:00	8.00	
325.00	90/04/06 14:00:00	8.00	
330.00	90/04/06 14:05:00	8.00	
335.00	90/04/06 14:10:00	8.00	
340.00	90/04/06 14:15:00	8.00	
345.00	90/04/06 14:20:00	8.00	
350.00	90/04/06 14:25:00	8.00	
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360.00	90/04/06 14:35:00	8.00	
365.00	90/04/06 14:40:00	8.00	
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380.00	90/04/06 14:55:00	8.00	
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395.00	90/04/06 15:10:00	8.00	
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405.00	90/04/06 15:20:00	8.00	
410.00	90/04/06 15:25:00	8.00	
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445.00	90/04/06 16:00:00	8.00	
450.00	90/04/06 16:05:00	8.00	
455.00	90/04/06 16:10:00	8.00	
460.00	90/04/06 16:15:00	8.00	
465.00	90/04/06 16:20:00	8.00	
470.00	90/04/06 16:25:00	8.00	
475.00	90/04/06 16:30:00	8.00	
480.00	90/04/06 16:35:00	8.00	
485.00	90/04/06 16:40:00	8.00	
490.00	90/04/06 16:45:00	8.00	
495.00	90/04/06 16:50:00	8.00	
500.00	90/04/06 16:55:00	8.00	
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510.00	90/04/06 17:05:00	8.00	
515.00	90/04/06 17:10:00	8.00	
520.00	90/04/06 17:15:00	8.00	
525.00	90/04/06 17:20:00	8.00	
530.00	90/04/06 17:25:00	8.00	
535.00	90/04/06 17:30:00	8.00	
540.00	90/04/06 17:35:00	8.00	
545.00	90/04/06 17:40:00	8.00	
550.00	90/04/06 17:45:00	8.00	
555.00	90/04/06 17:50:00	8.00	
560.00	90/04/06 17:55:00	8.00	
565.00	90/04/06 18:00:00	8.00	
570.00	90/04/06 18:05:00	8.00	
575.00	90/04/06 18:10:00	8.00	
580.00	90/04/06 18:15:00	8.00	
585.00	90/04/06 18:20:00	8.00	
590.00	90/04/06 18:25:00	8.00	
595.00	90/04/06 18:30:00	8.00	
600.00	90/04/06 18:35:00	8.00	
605.00	90/04/06 18:40:00	8.00	
610.00	90/04/06 18:45:00	8.00	
615.00	90/04/06 18:50:00	8.00	
620.00	90/04/06 18:55:00	8.00	
625.00	90/04/06 19:00:00	8.00	
630.00	90/04/06 19:05:00	8.00	
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665.00	90/04/06 19:40:00	8.00	
670.00	90/04/06 19:45:00	8.00	
675.00	90/04/06 19:50:00	8.00	
680.00	90/04/06 19:55:00	8.00	
685.00	90/04/06 20:00:00	8.00	
690.00	90/04/06 20:05:00	8.00	
695.00	90/04/06 20:10:00	8.00	
700.00	90/04/06 20:15:00	8.00	
705.00	90/04/06 20:20:00	8.00	
710.00	90/04/06 20:25:00	8.00	
715.00	90/04/06 20:30:00	8.00	
720.00	90/04/06 20:35:00	8.00	
725.00	90/04/06 20:40:00	8.00	
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735.00	90/04/06 20:50:00	8.00	
740.00	90/04/06 20:55:00	8.00	
745.00	90/04/06 21:00:00	8.00	
750.00	90/04/06 21:05:00	8.00	
755.00	90/04/06 21:10:00	8.00	
760.00	90/04/06 21:15:00	8.00	
765.00	90/04/06 21:20:00	8.00	
770.00	90/04/06 21:25:00	8.00	
775.00	90/04/06 21:30:00	8.00	
780.00	90/04/06 21:35:00	8.00	
785.00	90/04/06 21:40:00	8.00	
790.00	90/04/06 21:45:00	8.00	
795.00	90/04/06 21:50:00	8.00	
800.00	90/04/06 21:55:00	8.00	
805.00	90/04/06 22:00:00	8.00	
810.00	90/04/06 22:05:00	8.00	
815.00	90/04/06 22:10:00	8.00	
820.00	90/04/06 22:15:00	8.00	
825.00	90/04/06 22:20:00	8.00	
830.00	90/04/06 22:25:00	8.00	
835.00	90/04/06 22:30:00	8.00	
840.00	90/04/06 22:35:00	8.00	
845.00	90/04/06 22:40:00	8.00	
850.00	90/04/06 22:45:00	8.00	
855.00	90/04/06 22:50:00	8.00	
860.00	90/04/06 22:55:00	8.00	
865.00	90/04/06 23:00:00	8.00	
870.00	90/04/06 23:05:00	8.00	
875.00	90/04/06 23:10:00	8.00	
880.00	90/04/06 23:15:00	8.00	
885.00	90/04/06 23:20:00	8.00	
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910.00	90/04/06 23:45:00	8.00	
915.00	90/04/06 23:50:00	8.00	
920.00	90/04/06 23:55:00	8.00	
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930.00	90/04/06 00:05:00	8.00	
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945.00	90/04/06 00:20:00	8.00	
950.00	90/04/06 00:25:00	8.00	
955.00	90/04/06 00:30:00	8.00	
960.00	90/04/06 00:35:00	8.00	
965.00	90/04/06 00:40:00	8.00	
970.00	90/04/06 00:45:00	8.00	
975.00	90/04/06 00:50:00	8.00	
980.00	90/04/06 00:55:00	8.00	
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990.00	90/04/06 01:05:00	8.00	
995.00	90/04/06 01:10:00	8.00	
1000.00	90/04/06 01:15:00	8.00	
1005.00	90/04/06 01:20:00	8.00	
1010.00	90/04/06 01:25:00	8.00	
1015.00	90/04/06 01:30:00	8.00	
1020.00	90/04/06 01:35:00	8.00	
1025.00	90/04/06 01:40:00	8.00	
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1040.00	90/04/06 01:55:00	8.00	
1045.00	90/04/06 02:00:00	8.00	
1050.00	90/04/06 02:05:00	8.00	
1055.00	90/04/06 02:10:00	8.00	
1060.00	90/04/06 02:15:00	8.00	
1065.00	90/04/06 02:20:00	8.00	
1070.00	90/04/06 02:25:00	8.00	
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1080.00	90/04/06 02:35:00	8.00	
1085.00	90/04/06 02:40:00	8.00	
1090.00	90/04/06 02:45:00	8.00	
1095.00	90/04/06 02:50:00	8.00	
1100.00	90/04/06 02:55:00	8.00	
1105.00	90/04/06 03:00:00	8.00	
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1115.00	90/04/06 03:10:00	8.00	
1120.00	90/04/06 03:15:00	8.00	
1125.00	90/04/06 03:20:00	8.00	
1130.00	90/04/06 03:25:00	8.00	
1135.00	90/04/06 03:30:00	8.00	
1140.00	90/04/06 03:35:00	8.00	
1145.00	90/04/06 03:40:00	8.00	
1150.00	90/04/06 03:45:00	8.00	
1155.00	90/04/06 03:50:00	8.00	
1160.00	90/04/06 03:55:00	8.00	
1165.00	90/04/06 04:00:00	8.00	
1170.00	90/04/06 04:05:00	8.00	
1175.00	90/04/06 04:10:00	8.00	
1180.00	90		

TIME LOGS REPORT

Page 1

TY/HH/DD hh:mm:ss.s

90/04/06 08:13:00.0

Date

Well I.D.

LCRA

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real

MINUTES TY/HH/DD hh:mm:ss

WATER LEVEL

(Feet below LSD)

0.00	90/04/06 08:13:00	3.20
5.00	90/04/06 08:18:00	3.17
10.00	90/04/06 08:23:00	3.17
15.00	90/04/06 08:28:00	3.17
20.00	90/04/06 08:33:00	3.17
25.00	90/04/06 09:00:00	3.17
30.00	90/04/06 09:05:00	3.16
40.00	90/04/06 09:15:00	3.16
50.00	90/04/06 09:25:00	3.14
60.00	90/04/06 09:35:00	3.13
70.00	90/04/06 09:45:00	3.15
80.00	90/04/06 09:55:00	3.16
91.00	90/04/06 10:06:00	3.17
100.00	90/04/06 10:15:00	3.16
110.00	90/04/06 10:25:00	3.16
120.00	90/04/06 10:35:00	3.15
130.00	90/04/06 10:45:00	3.17
140.00	90/04/06 10:55:00	3.17
150.00	90/04/06 11:05:00	3.18
160.00	90/04/06 11:15:00	3.16
170.00	90/04/06 11:25:00	3.16
180.00	90/04/06 11:35:00	3.16
190.00	90/04/06 11:45:00	3.17
200.00	90/04/06 11:55:00	3.18
210.00	90/04/06 12:05:00	3.18
220.00	90/04/06 12:15:00	3.19
230.00	90/04/06 12:25:00	3.20
240.00	90/04/06 12:35:00	3.20
250.00	90/04/06 12:45:00	3.20
260.00	90/04/06 12:55:00	3.20
270.00	90/04/06 13:05:00	3.18
280.00	90/04/06 13:15:00	3.16
290.00	90/04/06 13:25:00	3.17
300.00	90/04/06 13:35:00	3.16
310.00	90/04/06 13:45:00	3.16
320.00	90/04/06 13:55:00	3.16
330.00	90/04/06 14:05:00	3.14
340.00	90/04/06 14:15:00	3.13
350.00	90/04/06 14:25:00	3.16
360.00	90/04/06 14:35:00	3.17

TIME LOGS REPORT

Page 2

TY/HH/DD hh:mm:ss.s

90/04/06 08:13:00.0

Date

Well I.D.

LCRA

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real

MINUTES TY/HH/DD hh:mm:ss

WATER LEVEL

(Feet below LSD)

370.00	90/04/06 14:45:00	3.19
380.00	90/04/06 14:55:00	3.19
390.00	90/04/06 15:05:00	3.18
400.00	90/04/06 15:15:00	3.18
410.00	90/04/06 15:25:00	3.19
420.00	90/04/06 15:35:00	3.20
430.00	90/04/06 15:45:00	3.19
440.00	90/04/06 15:55:00	3.19
451.00	90/04/06 16:06:00	3.18
460.00	90/04/06 16:15:00	3.17
470.00	90/04/06 16:25:00	3.18
480.00	90/04/06 16:35:00	3.19
490.00	90/04/06 16:45:00	3.20
500.00	90/04/06 16:55:00	3.19
510.00	90/04/06 17:05:00	3.18
520.00	90/04/06 17:15:00	3.18
530.00	90/04/06 17:25:00	3.19
540.00	90/04/06 17:35:00	3.19
541.00	90/04/06 17:36:00	3.19
542.00	90/04/06 17:37:00	3.19
543.00	90/04/06 17:38:00	3.19
544.00	90/04/06 17:39:00	3.19
545.00	90/04/06 17:40:00	3.19
546.00	90/04/06 17:41:00	3.19
547.00	90/04/06 17:42:00	3.19
548.00	90/04/06 17:43:00	3.19
549.00	90/04/06 17:44:00	3.19
550.00	90/04/06 17:45:00	3.19
551.00	90/04/06 17:46:00	3.20
552.00	90/04/06 17:47:00	3.19
565.00	90/04/06 18:00:00	3.16
570.00	90/04/06 18:05:00	3.15
600.00	90/04/06 18:35:00	3.16
603.00	90/04/06 18:40:00	3.15
620.00	90/04/06 18:55:00	3.12
630.00	90/04/06 19:05:00	3.12
640.00	90/04/06 19:15:00	3.13
690.00	90/04/06 20:05:00	3.17
730.00	90/04/06 20:45:00	3.16
740.00	90/04/06 20:55:00	3.16

TIME LOGS REPORT

Page 3

TY/HH/DD hh:mm:ss.s

90/04/06 08:13:00.0

Date

Well I.D.

LCRA

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real

MINUTES TY/HH/DD hh:mm:ss

WATER LEVEL

(Feet below LSD)

750.00	90/04/06 21:05:00	3.16
760.00	90/04/06 21:15:00	3.12
770.00	90/04/06 21:25:00	3.11
780.00	90/04/06 21:35:00	3.11
790.00	90/04/06 21:45:00	3.10
800.00	90/04/06 21:55:00	3.09
810.00	90/04/06 22:05:00	3.09
820.00	90/04/06 22:15:00	3.09
830.00	90/04/06 22:25:00	3.13
840.00	90/04/06 22:35:00	3.13
850.00	90/04/06 22:45:00	3.13
860.00	90/04/06 22:55:00	3.15
870.00	90/04/06 23:05:00	3.16
880.00	90/04/06 23:15:00	3.17
890.00	90/04/06 23:25:00	3.18
900.00	90/04/06 23:35:00	3.18
910.00	90/04/06 23:45:00	3.17
920.00	90/04/06 23:55:00	3.17
930.00	90/04/07 00:05:00	3.16
940.00	90/04/07 00:15:00	3.17
950.00	90/04/07 00:25:00	3.18
960.00	90/04/07 00:35:00	3.19
970.00	90/04/07 00:45:00	3.19
980.00	90/04/07 00:55:00	3.18
990.00	90/04/07 01:05:00	3.17
1000.00	90/04/07 01:15:00	3.18
1010.00	90/04/07 01:25:00	3.18
1020.00	90/04/07 01:35:00	3.18
1030.00	90/04/07 01:45:00	3.18
1040.00	90/04/07 01:55:00	3.20
1050.00	90/04/07 02:05:00	3.21
1060.00	90/04/07 02:15:00	3.22
1070.00	90/04/07 02:25:00	3.22
1080.00	90/04/07 02:35:00	3.21

----- TIME LOGS REPORT -----

Page 1

Date 90/05/08 10:10:00.0
Well I.D. H882

EDWARDS UNDERGROUND WATER DISTRICT

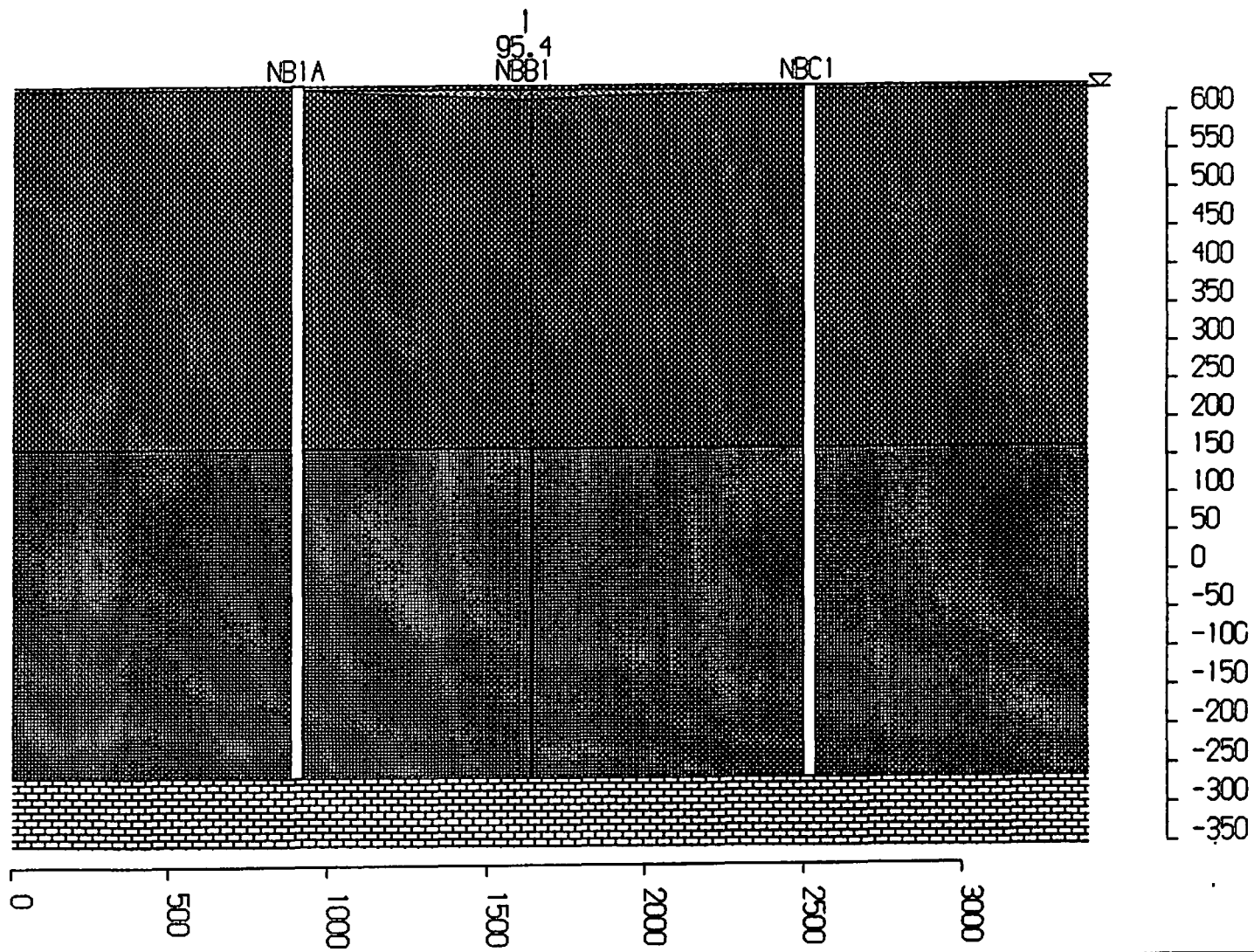
Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATERLEVEL (Feet Below LSD)
0.00	90/05/08 10:10:00	1.34
5.00	90/05/08 10:15:00	30.21
7.00	90/05/08 10:17:00	30.21
9.00	90/05/08 10:19:00	29.43
12.00	90/05/08 10:22:00	34.36
15.00	90/05/08 10:25:00	38.58
21.00	90/05/08 10:31:00	40.08
31.00	90/05/08 10:41:00	40.78
34.00	90/05/08 10:44:00	40.73
38.00	90/05/08 10:48:00	40.83
50.00	90/05/08 11:00:00	41.08
60.00	90/05/08 11:10:00	41.08
70.00	90/05/08 11:20:00	41.43
80.00	90/05/08 11:30:00	41.80
90.00	90/05/08 11:40:00	41.93
110.00	90/05/08 12:00:00	41.73
115.00	90/05/08 12:05:00	41.63
116.00	90/05/08 12:06:00	39.98
117.00	90/05/08 12:07:00	22.18
118.00	90/05/08 12:08:00	16.88
119.00	90/05/08 12:09:00	13.28
120.00	90/05/08 12:10:00	10.28
121.00	90/05/08 12:11:00	7.68
122.00	90/05/08 12:12:00	6.18
124.00	90/05/08 12:14:00	4.18
126.00	90/05/08 12:16:00	2.98
130.00	90/05/08 12:20:00	3.03
132.00	90/05/08 12:22:00	1.90
142.00	90/05/08 12:32:00	1.83

TIME LOGS REPORT			Page 1
TT/HH/SS hh:mm:ss.s Date 90/05/16 13:15:00.0 Well I.D. H81A EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed MINUTES	TIME - Real TT/HH/SS hh:mm:ss.s	WATER LEVEL (Feet below LSL)	
0.00	90/05/16 13:15:00	8.37	
10.00	90/05/16 13:25:00	8.35	
20.00	90/05/16 13:35:00	8.37	
30.00	90/05/16 13:45:00	8.39	
40.00	90/05/16 13:55:00	8.41	
50.00	90/05/16 14:05:00	8.40	
60.00	90/05/16 14:15:00	8.37	
70.00	90/05/16 14:25:00	8.34	
80.00	90/05/16 14:35:00	8.37	
90.00	90/05/16 14:45:00	8.35	
100.00	90/05/16 14:55:00	8.36	
110.00	90/05/16 15:05:00	8.37	
120.00	90/05/16 15:15:00	8.43	
130.00	90/05/16 15:25:00	8.43	
140.00	90/05/16 15:35:00	8.44	
150.00	90/05/16 15:45:00	8.44	
160.00	90/05/16 15:55:00	8.44	
170.00	90/05/16 16:05:00	8.44	
180.00	90/05/16 16:15:00	8.44	
190.00	90/05/16 16:25:00	8.44	
200.00	90/05/16 16:35:00	8.44	
210.00	90/05/16 16:45:00	8.44	
220.00	90/05/16 16:55:00	8.44	
230.00	90/05/16 17:05:00	8.44	
240.00	90/05/16 17:15:00	8.44	
250.00	90/05/16 17:25:00	8.44	
260.00	90/05/16 17:35:00	8.44	
270.00	90/05/16 17:45:00	8.44	
280.00	90/05/16 17:55:00	8.44	
290.00	90/05/16 18:05:00	8.44	
300.00	90/05/16 18:15:00	8.44	
310.00	90/05/16 18:25:00	8.44	
320.00	90/05/16 18:35:00	8.44	
330.00	90/05/16 18:45:00	8.44	
340.00	90/05/16 18:55:00	8.44	
350.00	90/05/16 19:05:00	8.44	
360.00	90/05/16 19:15:00	8.44	
370.00	90/05/16 19:25:00	8.44	
380.00	90/05/16 19:35:00	8.44	
390.00	90/05/16 19:45:00	8.44	
400.00	90/05/16 19:55:00	8.44	
410.00	90/05/16 20:05:00	8.44	
420.00	90/05/16 20:15:00	8.44	
430.00	90/05/16 20:25:00	8.44	
440.00	90/05/16 20:35:00	8.44	
450.00	90/05/16 20:45:00	8.44	
460.00	90/05/16 20:55:00	8.44	
470.00	90/05/16 21:05:00	8.44	
480.00	90/05/16 21:15:00	8.44	
490.00	90/05/16 21:25:00	8.44	
500.00	90/05/16 21:35:00	8.44	
510.00	90/05/16 21:45:00	8.44	
520.00	90/05/16 21:55:00	8.44	
530.00	90/05/16 22:05:00	8.44	
540.00	90/05/16 22:15:00	8.44	
550.00	90/05/16 22:25:00	8.44	
560.00	90/05/16 22:35:00	8.44	
570.00	90/05/16 22:45:00	8.44	
580.00	90/05/16 22:55:00	8.44	
590.00	90/05/16 23:05:00	8.44	
600.00	90/05/16 23:15:00	8.44	
610.00	90/05/16 23:25:00	8.44	
620.00	90/05/16 23:35:00	8.44	
630.00	90/05/16 23:45:00	8.44	
640.00	90/05/16 23:55:00	8.44	
650.00	90/05/16 00:05:00	8.44	
660.00	90/05/16 00:15:00	8.44	
670.00	90/05/16 00:25:00	8.44	
680.00	90/05/16 00:35:00	8.44	
690.00	90/05/16 00:45:00	8.44	
700.00	90/05/16 00:55:00	8.44	
710.00	90/05/16 01:05:00	8.44	
720.00	90/05/16 01:15:00	8.44	
730.00	90/05/16 01:25:00	8.44	
740.00	90/05/16 01:35:00	8.44	
750.00	90/05/16 01:45:00	8.44	
760.00	90/05/16 01:55:00	8.44	
770.00	90/05/16 02:05:00	8.44	
780.00	90/05/16 02:15:00	8.44	
790.00	90/05/16 02:25:00	8.44	
800.00	90/05/16 02:35:00	8.44	
810.00	90/05/16 02:45:00	8.44	
820.00	90/05/16 02:55:00	8.44	
830.00	90/05/16 03:05:00	8.44	
840.00	90/05/16 03:15:00	8.44	
850.00	90/05/16 03:25:00	8.44	
860.00	90/05/16 03:35:00	8.44	
870.00	90/05/16 03:45:00	8.44	
880.00	90/05/16 03:55:00	8.44	
890.00	90/05/16 04:05:00	8.44	
900.00	90/05/16 04:15:00	8.44	
910.00	90/05/16 04:25:00	8.44	
920.00	90/05/16 04:35:00	8.44	
930.00	90/05/16 04:45:00	8.44	
940.00	90/05/16 04:55:00	8.44	
950.00	90/05/16 05:05:00	8.44	
960.00	90/05/16 05:15:00	8.44	
970.00	90/05/16 05:25:00	8.44	
980.00	90/05/16 05:35:00	8.44	
990.00	90/05/16 05:45:00	8.44	
1000.00	90/05/16 05:55:00	8.44	
1010.00	90/05/16 06:05:00	8.44	
1020.00	90/05/16 06:15:00	8.44	
1030.00	90/05/16 06:25:00	8.44	
1040.00	90/05/16 06:35:00	8.44	
1050.00	90/05/16 06:45:00	8.44	
1060.00	90/05/16 06:55:00	8.44	
1070.00	90/05/16 07:05:00	8.44	
1080.00	90/05/16 07:15:00	8.44	
1090.00	90/05/16 07:25:00	8.44	
1100.00	90/05/16 07:35:00	8.44	
1110.00	90/05/16 07:45:00	8.44	
1120.00	90/05/16 07:55:00	8.44	
1130.00	90/05/16 08:05:00	8.44	
1140.00	90/05/16 08:15:00	8.44	
1150.00	90/05/16 08:25:00	8.44	
1160.00	90/05/16 08:35:00	8.44	
1170.00	90/05/16 08:45:00	8.44	
1180.00	90/05/16 08:55:00	8.44	
1190.00	90/05/16 09:05:00	8.44	
1200.00	90/05/16 09:15:00	8.44	
1210.00	90/05/16 09:25:00	8.44	
1220.00	90/05/16 09:35:00	8.44	
1230.00	90/05/16 09:45:00	8.44	
1240.00	90/05/16 09:55:00	8.44	
1250.00	90/05/16 10:05:00	8.44	
1260.00	90/05/16 10:15:00	8.44	
1270.00	90/05/16 10:25:00	8.44	
1280.00	90/05/16 10:35:00	8.44	
1290.00	90/05/16 10:45:00	8.44	
1300.00	90/05/16 10:55:00	8.44	
1310.00	90/05/16 11:05:00	8.44	
1320.00	90/05/16 11:15:00	8.44	
1330.00	90/05/16 11:25:00	8.44	
1340.00	90/05/16 11:35:00	8.44	
1350.00	90/05/16 11:45:00	8.44	
1360.00	90/05/16 11:55:00	8.44	
1370.00	90/05/16 12:05:00	8.44	
1380.00	90/05/16 12:15:00	8.44	
1390.00	90/05/16 12:25:00	8.44	
1400.00	90/05/16 12:35:00	8.44	
1410.00	90/05/16 12:45:00	8.44	
1420.00	90/05/16 12:55:00	8.44	
1430.00	90/05/16 13:05:00	8.44	
1440.00	90/05/16 13:15:00	8.44	

T = 5775.84 USGPD/FT

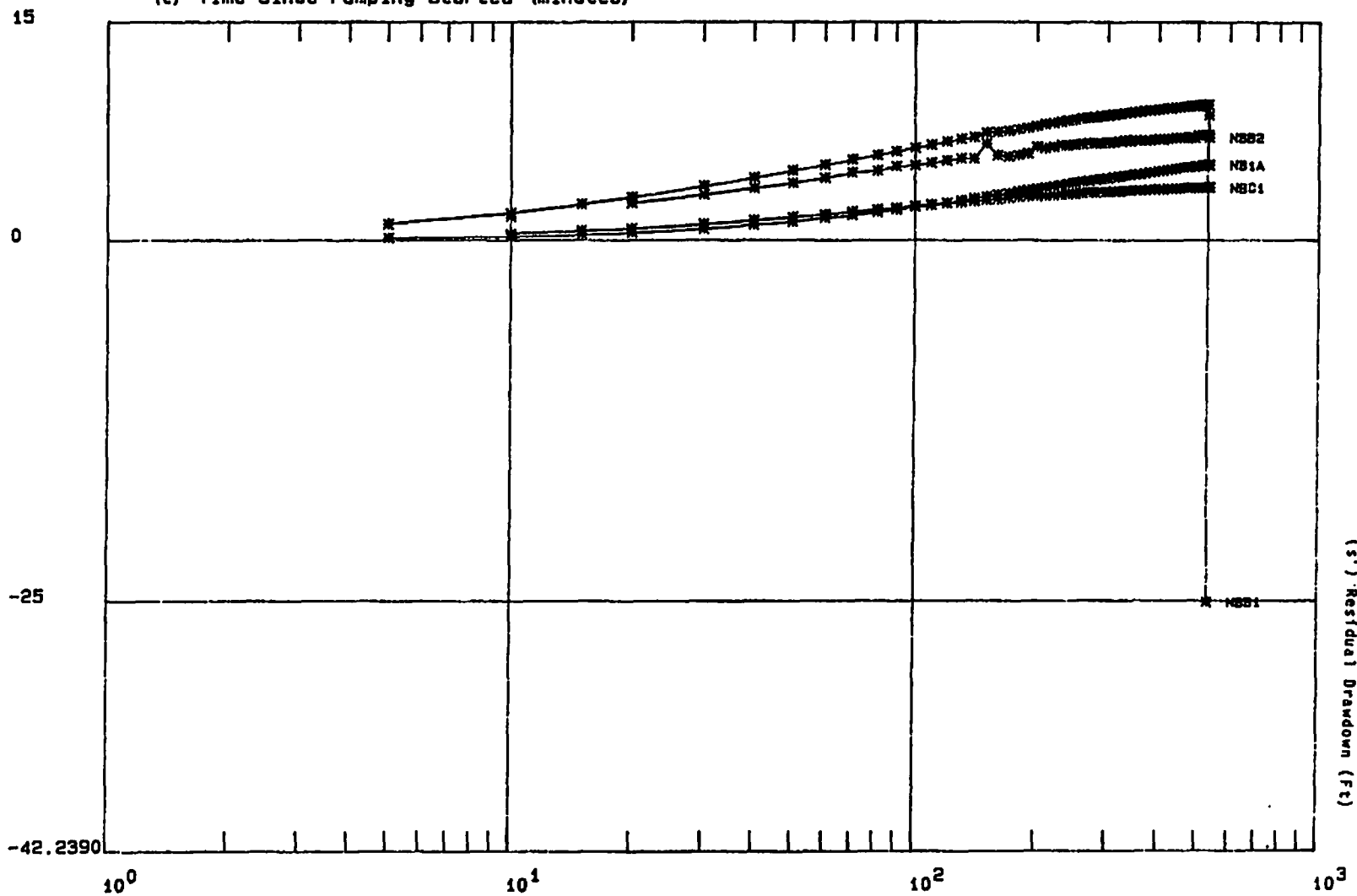
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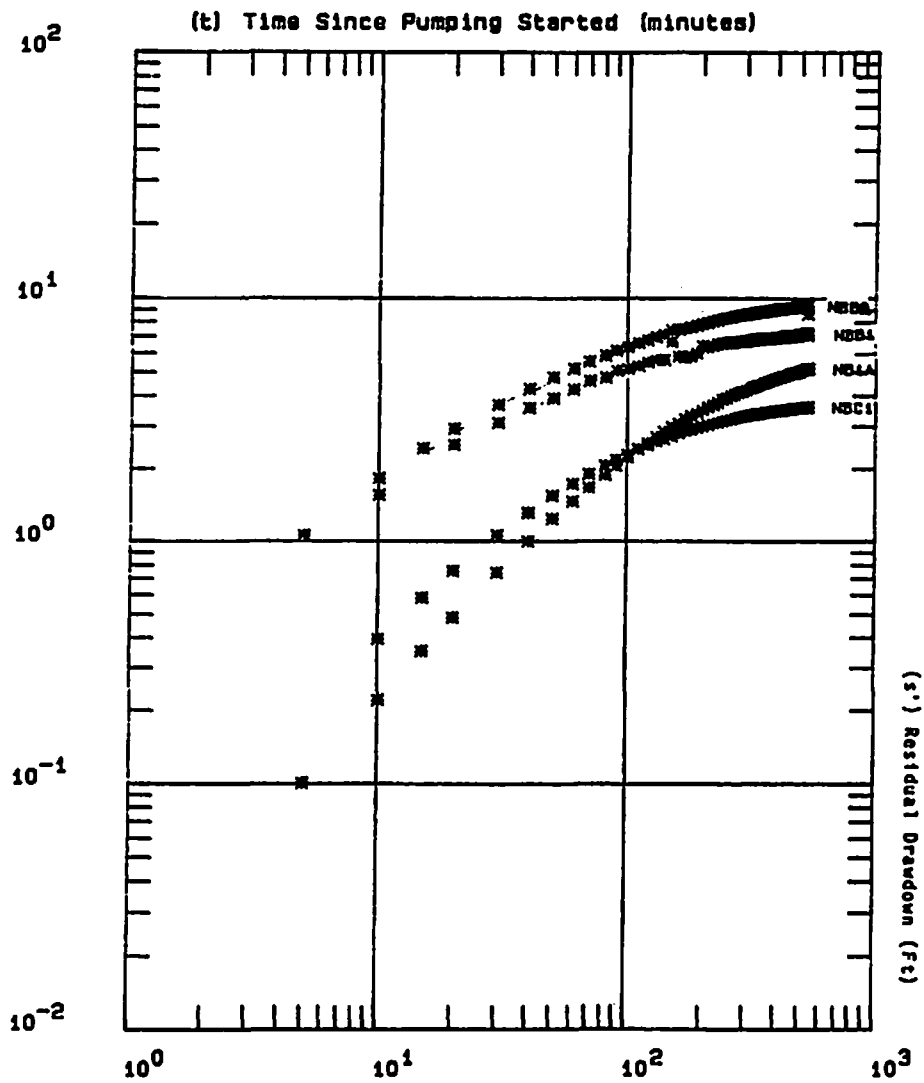


PUMPING TEST ANALYSIS Drawdown

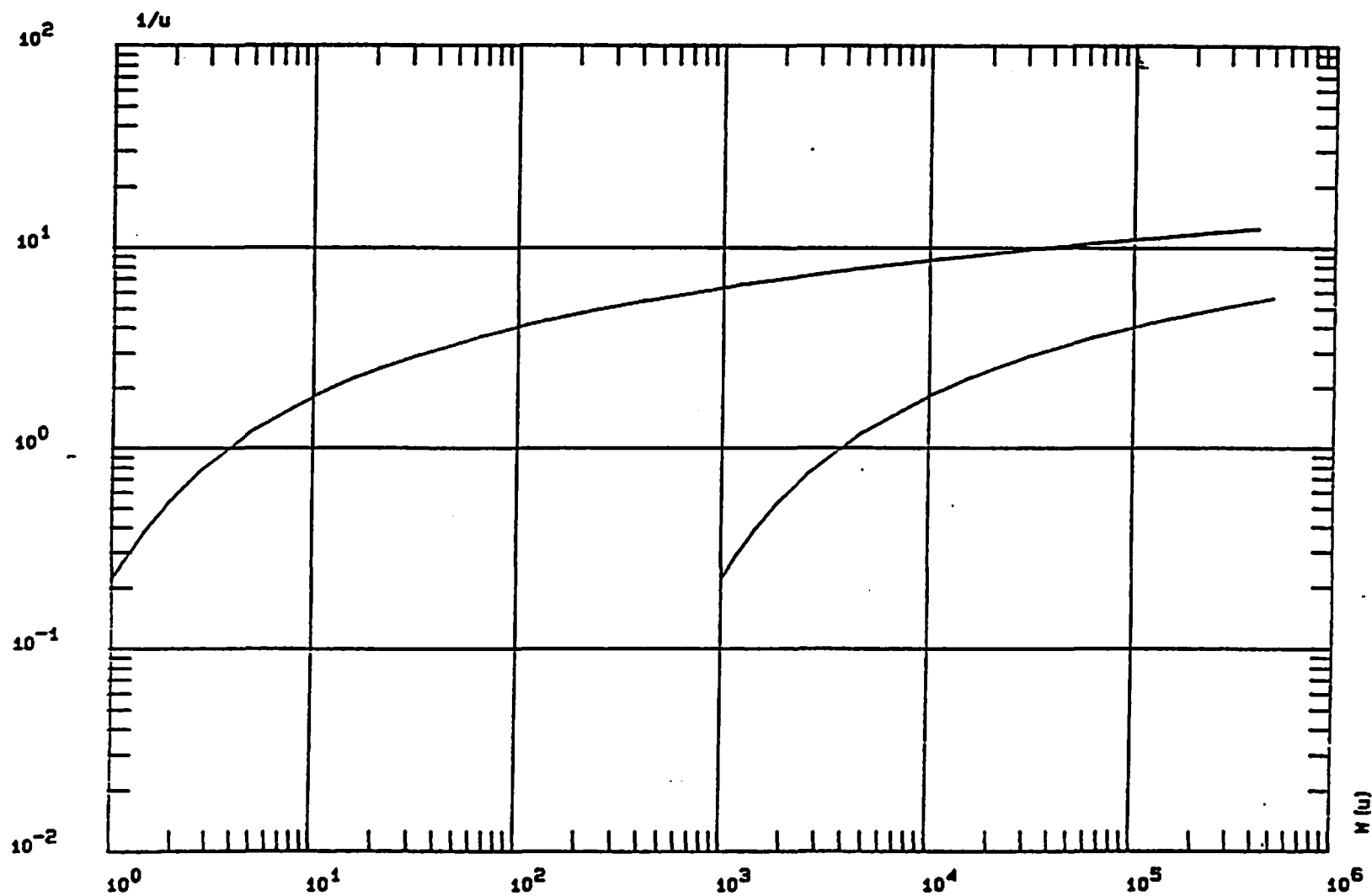
(t) Time Since Pumping Started (minutes)



PUMPING TEST ANALYSIS Drawdown



CONFINED NON-LEAKY REVERSE THEIS TYPE CURVE



TIME LOGS REPORT

Page 1

Date TY/HH/DD hh:mm:ss.s
00/07/26 13:30:00.0
 Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
0.00 00/07/26 13:30:00	8.90	14200.00
10.00 00/07/26 13:40:00	17.13	14200.00
15.00 00/07/26 13:45:00	18.23	14210.00
20.00 00/07/26 13:50:00	18.77	14210.00
25.00 00/07/26 14:00:00	19.00	14210.00
30.00 00/07/26 14:05:00	19.82	14210.00
35.00 00/07/26 14:10:00	20.20	14210.00
40.00 00/07/26 14:15:00	20.56	14210.00
45.00 00/07/26 14:20:00	20.43	14210.00
50.00 00/07/26 14:25:00	20.83	14210.00
55.00 00/07/26 14:30:00	21.20	14220.00
60.00 00/07/26 14:35:00	21.49	14220.00
65.00 00/07/26 14:40:00	21.66	14220.00
70.00 00/07/26 14:45:00	21.81	14220.00
75.00 00/07/26 14:50:00	22.05	14220.00
80.00 00/07/26 14:55:00	22.17	14220.00
85.00 00/07/26 15:00:00	22.27	14220.00
90.00 00/07/26 15:05:00	22.41	14220.00
95.00 00/07/26 15:10:00	22.58	14450.00
100.00 00/07/26 15:15:00	22.59	14450.00
105.00 00/07/26 15:20:00	22.63	14450.00
110.00 00/07/26 15:25:00	22.90	14450.00
115.00 00/07/26 15:30:00	22.97	14450.00
120.00 00/07/26 15:35:00	23.06	14450.00
125.00 00/07/26 15:40:00	23.14	14450.00
130.00 00/07/26 15:45:00	23.25	14450.00
135.00 00/07/26 15:50:00	23.33	14450.00
140.00 00/07/26 15:55:00	23.41	14450.00
145.00 00/07/26 16:00:00	23.45	14450.00
150.00 00/07/26 16:05:00	23.55	14450.00
155.00 00/07/26 16:10:00	23.66	14450.00
160.00 00/07/26 16:15:00	23.74	14450.00
165.00 00/07/26 16:20:00	23.77	14450.00
170.00 00/07/26 16:25:00	23.77	14450.00
175.00 00/07/26 16:30:00	23.83	14450.00
180.00 00/07/26 16:35:00	23.91	14450.00
185.00 00/07/26 16:40:00	23.91	14450.00
190.00 00/07/26 16:45:00	23.96	14450.00
195.00 00/07/26 16:50:00	23.96	14450.00

TIME LOGS REPORT

Page 2

Date TY/HH/DD hh:mm:ss.s
00/07/26 13:30:00.0
 Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
200.00 00/07/26 16:55:00	24.00	14450.00
205.00 00/07/26 17:00:00	24.03	14450.00
210.00 00/07/26 17:05:00	24.11	14450.00
215.00 00/07/26 17:10:00	24.17	14450.00
220.00 00/07/26 17:15:00	24.21	14450.00
225.00 00/07/26 17:20:00	24.27	14450.00
230.00 00/07/26 17:25:00	24.34	14450.00
235.00 00/07/26 17:30:00	16.12	
240.00 00/07/26 17:35:00	15.30	
245.00 00/07/26 17:40:00	14.76	
250.00 00/07/26 17:45:00	14.35	
255.00 00/07/26 17:50:00	14.09	
260.00 00/07/26 17:55:00	13.86	
265.00 00/07/26 18:00:00	13.58	
270.00 00/07/26 18:05:00	13.35	
275.00 00/07/26 18:10:00	13.16	
280.00 00/07/26 18:15:00	12.98	
285.00 00/07/26 18:20:00	12.83	
290.00 00/07/26 18:25:00	12.73	
295.00 00/07/26 18:30:00	12.58	
300.00 00/07/26 18:35:00	12.46	
305.00 00/07/26 18:40:00	12.33	
310.00 00/07/26 18:45:00	12.26	
315.00 00/07/26 18:50:00	12.17	
320.00 00/07/26 18:55:00	12.06	
325.00 00/07/26 19:00:00	11.95	
330.00 00/07/26 19:05:00	11.81	
335.00 00/07/26 19:10:00	11.65	
340.00 00/07/26 19:15:00	11.50	
345.00 00/07/26 19:20:00	11.41	
350.00 00/07/26 19:25:00	11.27	
355.00 00/07/26 19:30:00	11.12	
360.00 00/07/26 19:35:00	11.02	
365.00 00/07/26 19:40:00	10.91	
370.00 00/07/26 19:45:00	10.81	
375.00 00/07/26 19:50:00	10.75	
380.00 00/07/26 19:55:00	10.66	
385.00 00/07/26 20:00:00	10.56	
390.00 00/07/26 20:05:00	10.38	
395.00 00/07/26 20:10:00	10.20	

TIME LOGS REPORT

Page 3

Date TY/HH/DD hh:mm:ss.s
00/07/26 13:30:00.0
 Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	CONDUCTIVITY (Microsiemens per Centimeter)
400.00 00/07/26 20:15:00	10.14	
405.00 00/07/26 20:20:00	9.90	
410.00 00/07/26 20:25:00	9.79	
415.00 00/07/26 20:30:00	9.64	
420.00 00/07/26 20:35:00	9.54	
425.00 00/07/26 20:40:00	9.33	
430.00 00/07/26 20:45:00	9.22	
435.00 00/07/26 20:50:00	9.04	
440.00 00/07/26 20:55:00	8.83	
445.00 00/07/26 21:00:00	8.53	
450.00 00/07/26 21:05:00	8.44	
455.00 00/07/26 21:10:00	8.33	
460.00 00/07/26 21:15:00	8.22	
465.00 00/07/26 21:20:00	8.15	
470.00 00/07/26 21:25:00	8.03	

TIME LOGS REPORT

Page 4

Date TY/HH/DD hh:mm:ss.s
00/07/26 13:30:00.0
 Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
0.00 00/07/26 13:30:00	
10.00 00/07/26 13:40:00	26.75
15.00 00/07/26 13:45:00	26.60
20.00 00/07/26 13:50:00	26.60
25.00 00/07/26 13:55:00	26.60
30.00 00/07/26 14:00:00	26.50
35.00 00/07/26 14:05:00	26.60
40.00 00/07/26 14:10:00	26.50
45.00 00/07/26 14:15:00	26.50
50.00 00/07/26 14:20:00	26.75
55.00 00/07/26 14:25:00	26.75
60.00 00/07/26 14:30:00	26.50
65.00 00/07/26 14:35:00	26.50
70.00 00/07/26 14:40:00	26.50
75.00 00/07/26 14:45:00	26.50
80.00 00/07/26 14:50:00	26.50
85.00 00/07/26 14:55:00	26.50
90.00 00/07/26 15:00:00	26.50
95.00 00/07/26 15:05:00	26.50
100.00 00/07/26 15:10:00	26.50
105.00 00/07/26 15:15:00	26.50
110.00 00/07/26 15:20:00	26.50
115.00 00/07/26 15:25:00	26.50
120.00 00/07/26 15:30:00	26.50
125.00 00/07/26 15:35:00	26.50
130.00 00/07/26 15:40:00	26.50
135.00 00/07/26 15:45:00	26.50
140.00 00/07/26 15:50:00	26.50
145.00 00/07/26 15:55:00	26.50
150.00 00/07/26 16:00:00	26.50
155.00 00/07/26 16:05:00	26.50
160.00 00/07/26 16:10:00	26.50
165.00 00/07/26 16:15:00	26.50
170.00 00/07/26 16:20:00	26.50
175.00 00/07/26 16:25:00	26.50
180.00 00/07/26 16:30:00	26.50
185.00 00/07/26 16:35:00	26.50
190.00 00/07/26 16:40:00	26.50
195.00 00/07/26 16:45:00	26.50
200.00 00/07/26 16:50:00	26.50
205.00 00/07/26 16:55:00	26.50
210.00 00/07/26 17:00:00	26.50
215.00 00/07/26 17:05:00	26.50
220.00 00/07/26 17:10:00	26.50
225.00 00/07/26 17:15:00	26.50
230.00 00/07/26 17:20:00	26.50
235.00 00/07/26 17:25:00	26.50
240.00 00/07/26 17:30:00	26.50
245.00 00/07/26 17:35:00	26.50
250.00 00/07/26 17:40:00	26.50
255.00 00/07/26 17:45:00	26.50
260.00 00/07/26 17:50:00	26.50
265.00 00/07/26 17:55:00	26.50
270.00 00/07/26 18:00:00	26.50
275.00 00/07/26 18:05:00	26.50
280.00 00/07/26 18:10:00	26.50
285.00 00/07/26 18:15:00	26.50
290.00 00/07/26 18:20:00	26.50
295.00 00/07/26 18:25:00	26.50
300.00 00/07/26 18:30:00	26.50
305.00 00/07/26 18:35:00	26.50
310.00 00/07/26 18:40:00	26.50
315.00 00/07/26 18:45:00	26.50
320.00 00/07/26 18:50:00	26.50
325.00 00/07/26 18:55:00	26.50
330.00 00/07/26 19:00:00	26.50
335.00 00/07/26 19:05:00	26.50
340.00 00/07/26 19:10:00	26.50
345.00 00/07/26 19:15:00	26.50
350.00 00/07/26 19:20:00	26.50
355.00 00/07/26 19:25:00	26.50
360.00 00/07/26 19:30:00	26.50

TIME LOGS REPORT

Page 5

Date TY/HH/DD hh:mm:ss.s
00/07/26 13:30:00.0
 Well I.D. SNC

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed - TIME - Real MINUTES TY/HH/DD hh:mm:ss	TEMPERATURE (Degree Celsius)
365.00 00/07/26 19:35:00	26.50
370.00 00/07/26 19:40:00	26.50
375.00 00/07/26 19:45:00	26.50
380.00 00/07/26 19:50:00	26.50
385.00 00/07/26 19:55:00	26.50
390.00 00/07/26 20:00:00	26.50

----- TIME LOGS REPORT -----

Page 1

Date YY/MM/DD hh:mm:ss.s
 Well I.D. 90/07/26 13:35:00.0
SKB

EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)
0.00	90/07/26 13:35:00	5.92
5.00	90/07/26 13:40:00	6.00
10.00	90/07/26 13:45:00	6.17
15.00	90/07/26 13:50:00	6.31
20.00	90/07/26 13:55:00	6.43
25.00	90/07/26 14:00:00	6.55
30.00	90/07/26 14:05:00	6.66
35.00	90/07/26 14:10:00	6.77
40.00	90/07/26 14:15:00	6.88
45.00	90/07/26 14:20:00	6.94
50.00	90/07/26 14:25:00	7.07
55.00	90/07/26 14:30:00	7.16
60.00	90/07/26 14:35:00	7.23
65.00	90/07/26 14:40:00	7.32
70.00	90/07/26 14:45:00	7.45
75.00	90/07/26 14:50:00	7.59
80.00	90/07/26 14:55:00	7.73
85.00	90/07/26 15:00:00	7.85
90.00	90/07/26 15:05:00	7.94
95.00	90/07/26 15:10:00	8.04
100.00	90/07/26 15:15:00	8.18
105.00	90/07/26 15:20:00	8.28
110.00	90/07/26 15:25:00	8.39
115.00	90/07/26 15:30:00	8.46
120.00	90/07/26 15:35:00	8.55
125.00	90/07/26 15:40:00	8.69
130.00	90/07/26 15:45:00	8.72
135.00	90/07/26 15:50:00	8.80
140.00	90/07/26 15:55:00	8.87
145.00	90/07/26 16:00:00	8.93
150.00	90/07/26 16:05:00	9.02
155.00	90/07/26 16:10:00	9.08
160.00	90/07/26 16:15:00	9.11
165.00	90/07/26 16:20:00	9.21
170.00	90/07/26 16:25:00	9.28
175.00	90/07/26 16:30:00	9.35
180.00	90/07/26 16:35:00	9.40
185.00	90/07/26 16:40:00	9.46
190.00	90/07/26 16:45:00	9.50
195.00	90/07/26 16:50:00	9.56

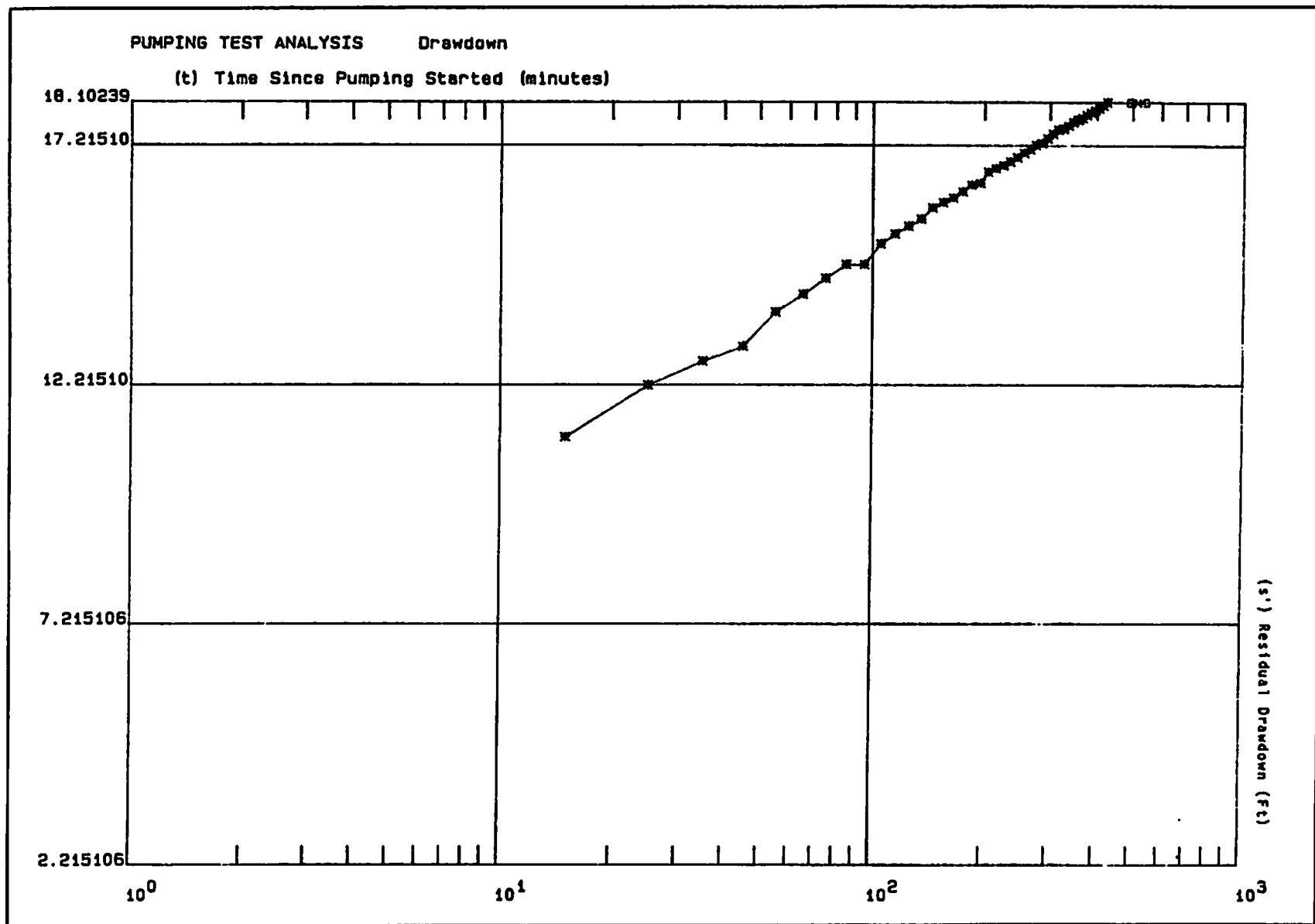
----- TIME LOGS REPORT -----

Page 2

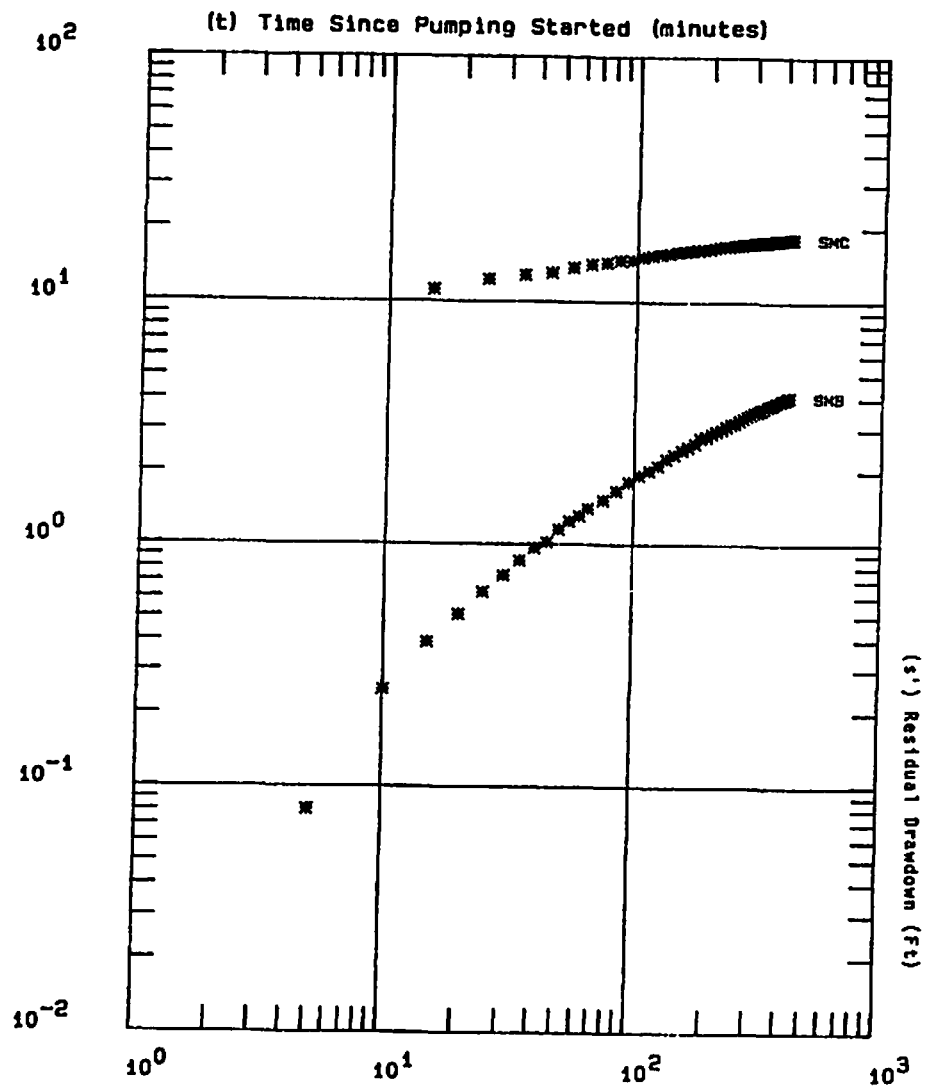
Date YY/MM/DD hh:mm:ss.s
 Well I.D. 90/07/26 13:35:00.0
SKB

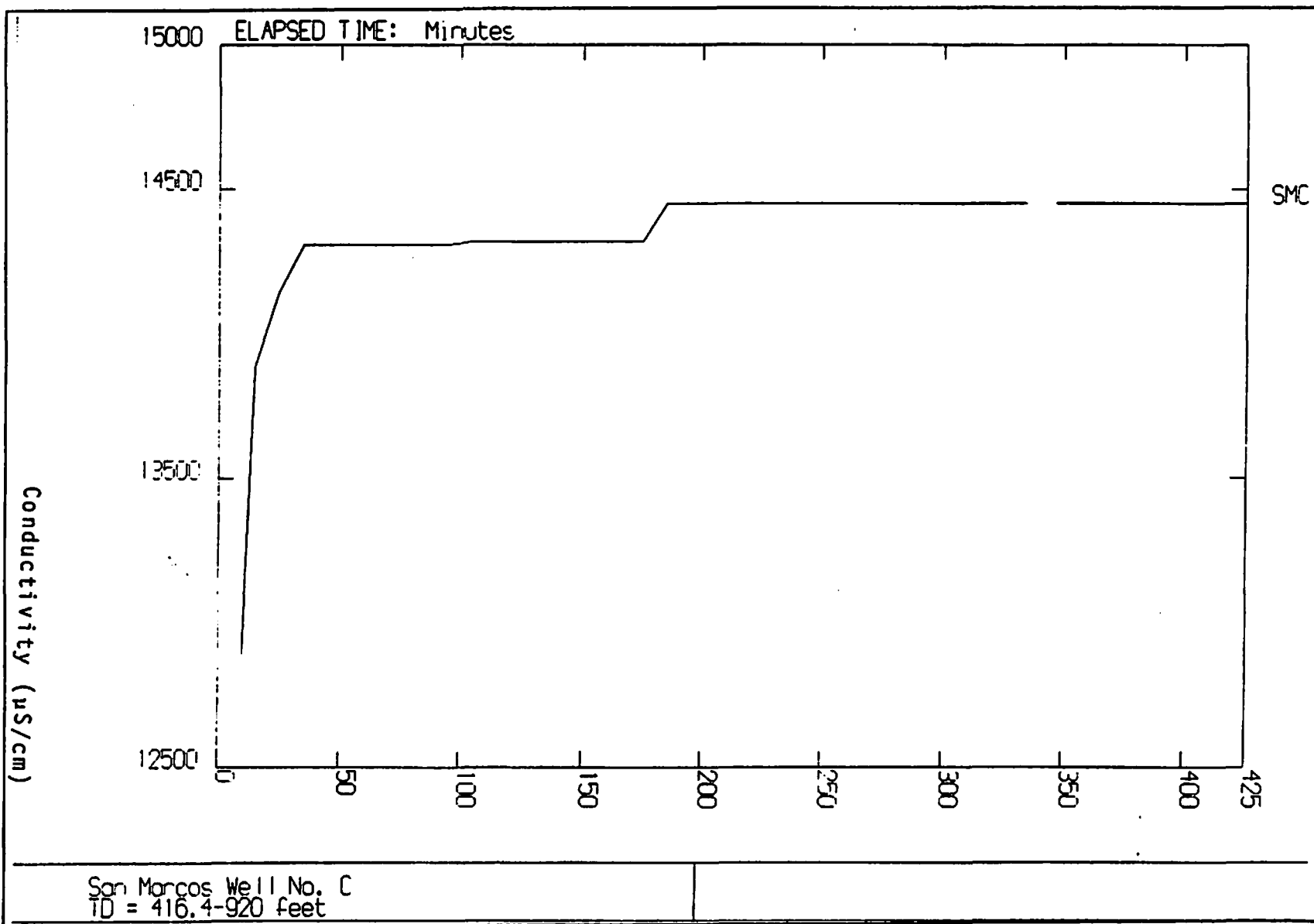
EDWARDS UNDERGROUND WATER DISTRICT

Elapsed MINUTES	TIME - Real YY/MM/DD hh:mm:ss	WATER LEVEL (Feet below LSD)
200.00	90/07/26 16:55:00	9.61
205.00	90/07/26 17:00:00	9.68
210.00	90/07/26 17:05:00	9.72
215.00	90/07/26 17:10:00	9.77
220.00	90/07/26 17:15:00	9.82
225.00	90/07/26 17:20:00	9.88
230.00	90/07/26 17:25:00	9.91
235.00	90/07/26 17:30:00	9.94
240.00	90/07/26 17:35:00	10.00
245.00	90/07/26 17:40:00	10.02
250.00	90/07/26 17:45:00	9.98
255.00	90/07/26 17:50:00	9.87
260.00	90/07/26 17:55:00	9.76
265.00	90/07/26 18:00:00	9.65
270.00	90/07/26 18:05:00	9.52
275.00	90/07/26 18:10:00	9.44
280.00	90/07/26 18:15:00	9.35
285.00	90/07/26 18:20:00	9.27
290.00	90/07/26 18:25:00	9.20
295.00	90/07/26 18:30:00	9.10
300.00	90/07/26 18:35:00	9.02
305.00	90/07/26 18:40:00	8.92
310.00	90/07/26 18:45:00	8.86
315.00	90/07/26 18:50:00	8.76
320.00	90/07/26 18:55:00	8.64
325.00	90/07/26 19:00:00	8.51
330.00	90/07/26 19:05:00	8.41
335.00	90/07/26 19:10:00	8.35
340.00	90/07/26 19:15:00	8.37



PUMPING TEST ANALYSIS Drawdown





TIME LOGS REPORT			Page 1	TIME LOGS REPORT			Page 2
Date 92/03/02 11:00:00.0 Well I.D. SMD EDWARDS UNDERGROUND WATER DISTRICT				Date 92/03/02 11:00:00.0 Well I.D. SMD EDWARDS UNDERGROUND WATER DISTRICT			
Eapsed - TIME - Seal MINUTES	TY/MI/DO hh:mm:ss	WATERLEVEL (Feet below NP=)		Eapsed - TIME - Seal MINUTES	TY/MI/DO hh:mm:ss	WATERLEVEL (Feet below NP=)	
0.00	92/03/02 11:00:00	3.20		73.00	92/03/02 12:12:00	14.98	
1.00	92/03/02 11:01:00	11.14		77.00	92/03/02 12:17:00	14.97	
2.00	92/03/02 11:02:00	12.02		82.00	92/03/02 12:22:00	15.04	
3.00	92/03/02 11:03:00	12.39		87.00	92/03/02 12:27:00	15.02	
4.00	92/03/02 11:04:00	12.84		92.00	92/03/02 12:32:00	15.13	
5.00	92/03/02 11:05:00	12.85		97.00	92/03/02 12:37:00	15.15	
6.00	92/03/02 11:06:00	12.00		102.00	92/03/02 12:42:00	15.13	
7.00	92/03/02 11:07:00	13.11		107.00	92/03/02 12:47:00	15.17	
8.00	92/03/02 11:08:00	13.22		112.00	92/03/02 12:52:00	15.77	
9.00	92/03/02 11:09:00	13.23		117.00	92/03/02 12:57:00	15.19	
10.00	92/03/02 11:10:00	13.44		122.00	92/03/02 13:02:00	15.21	
11.00	92/03/02 11:11:00	13.51		127.00	92/03/02 13:07:00	15.24	
12.00	92/03/02 11:12:00	13.64		132.00	92/03/02 13:12:00	15.24	
13.00	92/03/02 11:13:00	13.64		137.00	92/03/02 13:17:00	15.24	
14.00	92/03/02 11:14:00	13.68		142.00	92/03/02 13:22:00	15.28	
15.00	92/03/02 11:15:00	13.77		147.00	92/03/02 13:27:00	15.28	
16.00	92/03/02 11:16:00	13.84		152.00	92/03/02 13:32:00	15.30	
17.00	92/03/02 11:17:00	13.86		157.00	92/03/02 13:37:00	15.32	
18.00	92/03/02 11:18:00	13.90		172.00	92/03/02 13:52:00	15.30	
19.00	92/03/02 11:19:00	13.92		177.00	92/03/02 13:57:00	15.34	
20.00	92/03/02 11:20:00	13.97		182.00	92/03/02 14:02:00	15.34	
21.00	92/03/02 11:21:00	14.02		187.00	92/03/02 14:07:00	15.32	
22.00	92/03/02 11:22:00	14.08		192.00	92/03/02 14:12:00	15.32	
23.00	92/03/02 11:23:00	14.12		197.00	92/03/02 14:17:00	15.34	
24.00	92/03/02 11:24:00	14.16		202.00	92/03/02 14:22:00	15.32	
25.00	92/03/02 11:25:00	14.23		207.00	92/03/02 14:27:00	15.32	
26.00	92/03/02 11:26:00	14.23		212.00	92/03/02 14:32:00	15.34	
27.00	92/03/02 11:27:00	14.25		217.00	92/03/02 14:37:00	15.41	
28.00	92/03/02 11:28:00	14.27		222.00	92/03/02 14:42:00	15.34	
29.00	92/03/02 11:29:00	14.29		227.00	92/03/02 14:47:00	15.37	
30.00	92/03/02 11:30:00	14.29		232.00	92/03/02 14:52:00	15.34	
31.00	92/03/02 11:31:00	14.34		237.00	92/03/02 14:57:00	15.37	
32.00	92/03/02 11:32:00	14.49		242.00	92/03/02 15:02:00	15.34	
37.00	92/03/02 11:37:00	14.54		247.00	92/03/02 15:07:00	15.34	
42.00	92/03/02 11:42:00	14.69		252.00	92/03/02 15:12:00	15.37	
47.00	92/03/02 11:47:00	14.71		257.00	92/03/02 15:17:00	15.37	
52.00	92/03/02 11:52:00	14.82		262.00	92/03/02 15:22:00	15.39	
57.00	92/03/02 11:57:00	14.90		267.00	92/03/02 15:27:00	15.41	
62.00	92/03/02 12:02:00	14.94		272.00	92/03/02 15:32:00	15.41	
67.00	92/03/02 12:07:00	14.97		277.00	92/03/02 15:37:00	15.41	

(continued on next page)

TIME LOGS REPORT				TIME LOGS REPORT			
			Page 3				Page 4
Date TY/MM/DD hh:mm:ss.s 92/03/02 11:00:00.0				Date TY/MM/DD hh:mm:ss.s 92/03/02 11:00:00.0			
Well I.D. SMO				Well I.D. SMO			
EDWARDS UNDERGROUND WATER DISTRICT				EDWARDS UNDERGROUND WATER DISTRICT			

(continued on next page)

TIME LOGS REPORT				Page 5			
TT/MM/DD hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SMD EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss			WATERLEVEL (Feet below NP=)				
682.00	92/03/02	22:22:00	3.93				
687.00	92/03/02	22:27:00	4.52				
692.00	92/03/02	22:32:00	3.61				
697.00	92/03/02	22:37:00	3.75				
702.00	92/03/02	22:42:00	3.78				
707.00	92/03/02	22:47:00	3.49				
712.00	92/03/02	22:52:00	4.99				
717.00	92/03/02	22:57:00	3.78				
722.00	92/03/02	23:02:00	3.20				
727.00	92/03/02	23:07:00	3.93				
732.00	92/03/02	23:12:00	3.47				
737.00	92/03/02	23:17:00	3.47				
742.00	92/03/02	23:22:00	3.75				
747.00	92/03/02	23:27:00	3.75				
752.00	92/03/02	23:32:00	4.23				
757.00	92/03/02	23:37:00	4.25				
762.00	92/03/02	23:42:00	4.38				
767.00	92/03/02	23:47:00	4.25				
772.00	92/03/02	23:52:00	4.95				
777.00	92/03/02	23:57:00	4.95				
782.00	92/03/03	00:02:00	3.53				
787.00	92/03/03	00:07:00	4.25				
792.00	92/03/03	00:12:00	3.40				
797.00	92/03/03	00:17:00	3.44				
802.00	92/03/03	00:22:00	3.88				
807.00	92/03/03	00:27:00	4.45				
812.00	92/03/03	00:32:00	3.34				
817.00	92/03/03	00:37:00	3.38				
822.00	92/03/03	00:42:00	3.44				
827.00	92/03/03	00:47:00	3.38				
832.00	92/03/03	00:52:00	4.75				
837.00	92/03/03	00:57:00	3.34				
842.00	92/03/03	01:02:00	3.31				
847.00	92/03/03	01:07:00	4.32				
852.00	92/03/03	01:12:00	3.38				
857.00	92/03/03	01:17:00	3.64				
862.00	92/03/03	01:22:00	3.66				
867.00	92/03/03	01:27:00	3.34				
872.00	92/03/03	01:32:00	3.36				
877.00	92/03/03	01:37:00	3.31				

TIME LOGS REPORT				Page 6			
TT/MM/DD hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SMD EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss			WATERLEVEL (Feet below NP=)				
882.00	92/03/03	01:42:00	3.86				
887.00	92/03/03	01:47:00	3.90				
892.00	92/03/03	01:52:00	3.31				
897.00	92/03/03	01:57:00	4.94				
902.00	92/03/03	02:02:00	3.34				
907.00	92/03/03	02:07:00	3.34				
912.00	92/03/03	02:12:00	3.31				
917.00	92/03/03	02:17:00	3.62				
922.00	92/03/03	02:22:00	3.37				
927.00	92/03/03	02:27:00	3.38				
932.00	92/03/03	02:32:00	3.20				

TIME LOGS REPORT				Page 7			
TT/MM/DD hh:mm:ss.s Date 92/03/02 11:10:00.0 Well I.D. SMD EDWARDS UNDERGROUND WATER DISTRICT							
Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss			CONDUCTIVITY (MicroMhos per Centimeter)	TEMPERATURE (Degree Celsius)			
0.00	92/03/02	11:10:00	13210.00	24.50			
11.00	92/03/02	11:21:00	13300.00	23.00			
20.00	92/03/02	11:30:00	13860.00	23.00			
30.00	92/03/02	11:40:00	13850.00	23.75			
40.00	92/03/02	11:50:00	13460.00	23.50			
50.00	92/03/02	12:00:00	13390.00	24.00			
60.00	92/03/02	12:10:00	13400.00	23.50			
70.00	92/03/02	12:20:00	13400.00	23.00			
80.00	92/03/02	12:30:00	13400.00	23.00			
90.00	92/03/02	12:40:00	13340.00	25.00			
100.00	92/03/02	12:50:00	13450.00	23.75			
110.00	92/03/02	13:00:00	13450.00	24.00			
120.00	92/03/02	13:10:00	13450.00	24.00			
130.00	92/03/02	13:20:00	13450.00	23.50			
140.00	92/03/02	13:30:00	13450.00	23.00			
150.00	92/03/02	13:40:00	13490.00	23.25			
160.00	92/03/02	14:00:00	13700.00	23.00			
170.00	92/03/02	14:20:00	13470.00	25.00			
180.00	92/03/02	14:40:00	13470.00	25.50			
190.00	92/03/02	15:00:00	13420.00	25.00			
200.00	92/03/02	15:20:00	13130.00	25.00			
210.00	92/03/02	15:40:00	12640.00	25.00			
220.00	92/03/02	16:00:00	12850.00	25.00			
230.00	92/03/02	16:20:00	12640.00	25.00			
240.00	92/03/02	16:40:00	12760.00	25.00			
250.00	92/03/02	17:00:00	12760.00	25.25			
260.00	92/03/02	17:20:00	12760.00	25.25			
270.00	92/03/02	17:40:00	12760.00	25.50			
280.00	92/03/02	18:00:00	12820.00	25.25			
290.00	92/03/02	18:20:00	12780.00	25.00			
300.00	92/03/02	18:40:00	12910.00	25.30			
310.00	92/03/02	19:00:00	12760.00	25.00			
320.00	92/03/02	19:20:00	12760.00	25.00			
330.00	92/03/02	19:40:00	13450.00	25.00			
340.00	92/03/02	20:00:00	13450.00	25.50			

TIME LOGS REPORT			Page 1
TY/DA/DO hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SWS EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Seal	TY/DA/DO hh:mm:ss	WATERLEVEL	
MINUTES		(Feet below LSD)	
0.00	92/03/02 11:00:00	0.14	
2.00	92/03/02 11:02:00	0.18	
7.00	92/03/02 11:07:00	0.18	
112.00	92/03/02 12:52:00	0.40	
170.00	92/03/02 13:50:00	0.16	
175.00	92/03/02 13:55:00	0.42	
185.00	92/03/02 14:05:00	0.40	
230.00	92/03/02 14:30:00	0.18	
255.00	92/03/02 15:15:00	0.16	
265.00	92/03/02 15:45:00	0.13	
315.00	92/03/02 16:15:00	0.11	
345.00	92/03/02 16:45:00	0.49	
370.00	92/03/02 17:10:00	0.47	
400.00	92/03/02 17:40:00	0.45	
415.00	92/03/02 17:55:00	0.42	
430.00	92/03/02 18:10:00	0.40	
455.00	92/03/02 18:35:00	0.38	
475.00	92/03/02 18:55:00	0.36	
495.00	92/03/02 19:15:00	0.34	
510.00	92/03/02 19:30:00	0.32	
525.00	92/03/02 19:45:00	0.29	
540.00	92/03/02 20:00:00	0.27	
550.00	92/03/02 20:10:00	0.25	
575.00	92/03/02 20:35:00	0.23	
605.00	92/03/02 21:05:00	0.21	
630.00	92/03/02 21:30:00	0.18	
670.00	92/03/02 22:10:00	0.16	
685.00	92/03/02 22:25:00	0.18	
690.00	92/03/02 22:30:00	0.16	
705.00	92/03/02 22:45:00	0.14	
770.00	92/03/02 23:50:00	0.16	
785.00	92/03/02 00:05:00	0.14	
790.00	92/03/02 00:10:00	0.16	
805.00	92/03/02 00:25:00	0.18	
860.00	92/03/02 01:20:00	0.21	
885.00	92/03/02 01:45:00	0.23	
900.00	92/03/02 02:00:00	0.25	
930.00	92/03/02 02:30:00	0.27	
940.00	92/03/02 02:40:00	0.29	
945.00	92/03/02 02:45:00	0.27	

TIME LOGS REPORT			Page 2
TY/DA/DO hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SWS EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Seal	TY/DA/DO hh:mm:ss	WATERLEVEL	
MINUTES		(Feet below LSD)	
975.00	92/03/02 03:15:00	0.29	
1000.00	92/03/02 03:40:00	0.33	
1020.00	92/03/02 04:00:00	0.33	
1025.00	92/03/02 04:05:00	0.33	

TIME LOGS REPORT			Page 1	TIME LOGS REPORT			Page 2
TT/MM/DD hh:mm:ss.0 92/03/02 10:55:00.0 Date Well I.D. MC EDWARDS UNDERGROUND WATER DISTRICT				TT/MM/DD hh:mm:ss.0 92/03/02 10:55:00.0 Date Well I.D. MC EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss	WATERLEVEL (UPPER ZONE) Feet below LSD			Elapsed - TIME - Real MINUTES TT/MM/DD hh:mm:ss	WATERLEVEL (Feet below LSD)		
0.00	92/03/02 10:55:00	581.63		285.00	92/03/02 18:40:00	581.64	
5.00	92/03/02 11:00:00	581.36		300.00	92/03/02 18:55:00	581.93	
25.00	92/03/02 11:30:00	581.35		305.00	92/03/02 19:00:00	581.92	
45.00	92/03/02 11:40:00	581.34		315.00	92/03/02 19:10:00	581.91	
50.00	92/03/02 11:45:00	581.33		325.00	92/03/02 19:20:00	581.90	
55.00	92/03/02 11:50:00	581.32		335.00	92/03/02 19:30:00	581.89	
60.00	92/03/02 11:55:00	581.31		350.00	92/03/02 19:45:00	581.88	
65.00	92/03/02 12:00:00	581.30		360.00	92/03/02 19:55:00	581.87	
70.00	92/03/02 12:05:00	581.29		370.00	92/03/02 17:05:00	581.86	
75.00	92/03/02 12:10:00	581.27		375.00	92/03/02 17:10:00	581.85	
80.00	92/03/02 12:15:00	581.26		385.00	92/03/02 17:20:00	581.84	
85.00	92/03/02 12:20:00	581.25		395.00	92/03/02 17:30:00	581.83	
90.00	92/03/02 12:25:00	581.24		400.00	92/03/02 17:35:00	581.82	
95.00	92/03/02 12:30:00	581.24		415.00	92/03/02 17:50:00	581.81	
100.00	92/03/02 12:35:00	581.23		430.00	92/03/02 18:05:00	581.80	
105.00	92/03/02 12:40:00	581.22		435.00	92/03/02 18:10:00	581.79	
125.00	92/03/02 12:50:00	581.18		445.00	92/03/02 18:20:00	581.78	
130.00	92/03/02 12:55:00	581.17		450.00	92/03/02 18:25:00	581.77	
135.00	92/03/02 13:10:00	581.16		455.00	92/03/02 18:30:00	581.76	
140.00	92/03/02 13:15:00	581.15		475.00	92/03/02 18:50:00	581.75	
145.00	92/03/02 13:20:00	581.14		480.00	92/03/02 18:55:00	581.74	
150.00	92/03/02 13:25:00	581.13		490.00	92/03/02 19:05:00	581.73	
160.00	92/03/02 13:35:00	581.12		505.00	92/03/02 19:20:00	581.72	
165.00	92/03/02 13:40:00	581.11		510.00	92/03/02 19:25:00	581.71	
170.00	92/03/02 13:45:00	581.10		520.00	92/03/02 19:35:00	581.70	
175.00	92/03/02 13:50:00	581.09		525.00	92/03/02 19:40:00	581.69	
180.00	92/03/02 13:55:00	581.08		535.00	92/03/02 19:50:00	581.68	
190.00	92/03/02 14:05:00	581.07		540.00	92/03/02 19:55:00	581.67	
195.00	92/03/02 14:10:00	581.06		545.00	92/03/02 20:00:00	581.66	
205.00	92/03/02 14:20:00	581.05		555.00	92/03/02 20:10:00	581.65	
210.00	92/03/02 14:25:00	581.04		560.00	92/03/02 20:15:00	581.64	
215.00	92/03/02 14:30:00	581.03		570.00	92/03/02 20:25:00	581.63	
225.00	92/03/02 14:40:00	581.02		575.00	92/03/02 20:30:00	581.64	
235.00	92/03/02 14:50:00	581.01		590.00	92/03/02 20:45:00	581.65	
240.00	92/03/02 14:55:00	581.00		600.00	92/03/02 20:55:00	581.66	
245.00	92/03/02 15:00:00	581.99		605.00	92/03/02 21:00:00	581.67	
255.00	92/03/02 15:10:00	581.98		610.00	92/03/02 21:05:00	581.68	
260.00	92/03/02 15:15:00	581.97		615.00	92/03/02 21:10:00	581.69	
270.00	92/03/02 15:25:00	581.96		625.00	92/03/02 21:20:00	581.70	
280.00	92/03/02 15:35:00	581.95		630.00	92/03/02 21:25:00	581.71	

(continued on next page)

TIME LOGS REPORT			Page 3
Date Well I.D. TY/HH/DD hh:mm:ss.s 92/03/02 10:55:00.0 SNC 			
EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES	TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	
435.00	92/03/02 21:30:00	581.72	
445.00	92/03/02 21:40:00	581.73	
455.00	92/03/02 21:50:00	581.74	
460.00	92/03/02 21:55:00	581.75	
465.00	92/03/02 22:00:00	581.76	
470.00	92/03/02 22:05:00	581.77	
475.00	92/03/02 22:10:00	581.78	
485.00	92/03/02 22:20:00	581.79	
490.00	92/03/02 22:25:00	581.80	
495.00	92/03/02 22:30:00	581.81	
705.00	92/03/02 22:40:00	581.82	
710.00	92/03/02 22:45:00	581.83	
720.00	92/03/02 22:55:00	581.84	
735.00	92/03/02 23:10:00	581.85	
740.00	92/03/02 23:15:00	581.87	
745.00	92/03/02 23:20:00	581.86	
750.00	92/03/02 23:25:00	581.87	
755.00	92/03/02 23:30:00	581.88	
760.00	92/03/02 23:35:00	581.89	
765.00	92/03/02 23:40:00	581.90	
770.00	92/03/02 23:45:00	581.91	
780.00	92/03/02 23:55:00	581.92	
790.00	92/03/03 00:05:00	581.93	
800.00	92/03/03 00:15:00	581.95	
810.00	92/03/03 00:25:00	581.96	
815.00	92/03/03 00:30:00	581.97	
820.00	92/03/03 00:35:00	581.98	
825.00	92/03/03 00:40:00	581.99	
830.00	92/03/03 00:45:00	582.00	
840.00	92/03/03 00:55:00	582.01	
850.00	92/03/03 01:05:00	582.02	
860.00	92/03/03 01:15:00	582.03	
865.00	92/03/03 01:20:00	582.04	
875.00	92/03/03 01:30:00	582.05	
880.00	92/03/03 01:35:00	582.06	
885.00	92/03/03 01:40:00	582.07	
890.00	92/03/03 01:45:00	582.08	
895.00	92/03/03 01:50:00	582.09	
905.00	92/03/03 02:00:00	582.10	
910.00	92/03/03 02:05:00	582.11	

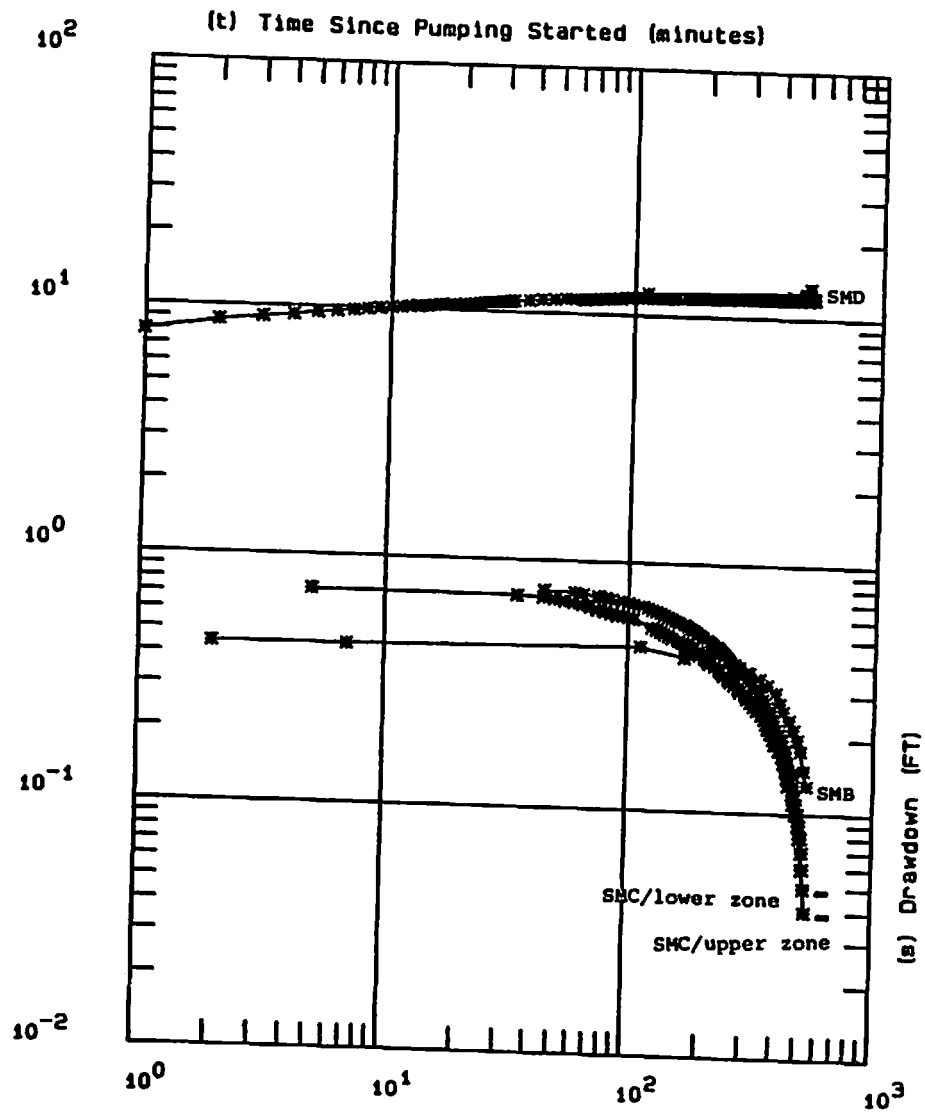
TIME LOGS REPORT			Page 4
Date Well I.D. TY/HH/DD hh:mm:ss.s 92/03/02 10:55:00.0 SNC 			
EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES	TY/HH/DD hh:mm:ss	WATERLEVEL (Feet below LSD)	
920.00	92/03/03 02:15:00	582.12	
930.00	92/03/03 02:25:00	582.13	
935.00	92/03/03 02:30:00	582.14	
940.00	92/03/03 02:35:00	582.15	
945.00	92/03/03 02:40:00	582.16	
960.00	92/03/03 02:55:00	582.18	
970.00	92/03/03 03:05:00	582.19	
975.00	92/03/03 03:10:00	582.20	
985.00	92/03/03 03:20:00	582.21	
995.00	92/03/03 03:30:00	582.22	
1000.00	92/03/03 03:35:00	582.23	
1010.00	92/03/03 03:45:00	582.24	
1025.00	92/03/03 04:00:00	582.25	

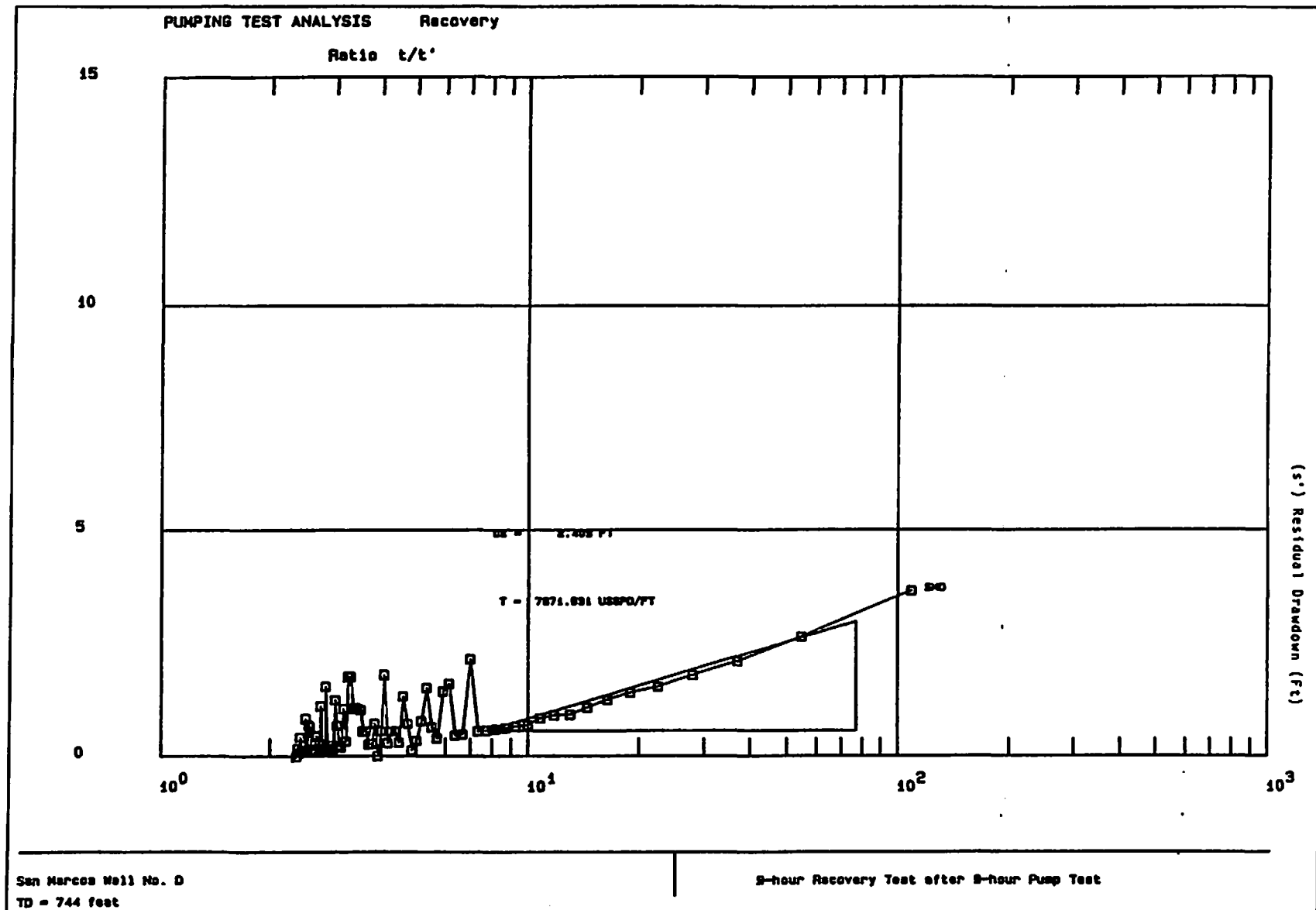
TIME LOGS REPORT				TIME LOGS REPORT			
TY/DA/DD hh:mm:ss.s			Page 1	TY/DA/DD hh:mm:ss.s			Page 2
Date 92/03/02 11:00:00.0				Date 92/03/02 11:00:00.0			
Well I.D. SMC				Well I.D. SMC			
EDWARDS UNDERGROUND WATER DISTRICT				EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Seal	WATERLEVEL			Elapsed - TIME - Seal	WATERLEVEL		
MINUTES TY/DA/DD hh:mm:ss	(LOWER ZONE)		Feet Below LSD	MINUTES TY/DA/DD hh:mm:ss	(Feet below LSD)		
0.00	92/03/02	11:00:00	580.11	285.00	92/03/02	15:45:00	580.89
45.00	92/03/02	11:45:00	581.27	290.00	92/03/02	15:50:00	580.88
60.00	92/03/02	12:00:00	581.36	295.00	92/03/02	16:00:00	580.87
65.00	92/03/02	12:05:00	581.25	305.00	92/03/02	16:05:00	580.88
75.00	92/03/02	12:15:00	581.24	310.00	92/03/02	16:10:00	580.86
80.00	92/03/02	12:20:00	581.23	315.00	92/03/02	16:15:00	580.85
85.00	92/03/02	12:25:00	581.22	320.00	92/03/02	16:20:00	580.84
95.00	92/03/02	12:35:00	581.21	330.00	92/03/02	16:30:00	580.83
100.00	92/03/02	12:40:00	581.20	340.00	92/03/02	16:40:00	580.82
105.00	92/03/02	12:45:00	581.19	345.00	92/03/02	16:45:00	580.81
115.00	92/03/02	12:55:00	581.18	355.00	92/03/02	16:55:00	580.80
120.00	92/03/02	13:00:00	581.17	360.00	92/03/02	17:00:00	580.79
125.00	92/03/02	13:05:00	581.16	370.00	92/03/02	17:10:00	580.78
130.00	92/03/02	13:10:00	581.15	375.00	92/03/02	17:15:00	580.77
135.00	92/03/02	13:15:00	581.14	385.00	92/03/02	17:25:00	580.76
140.00	92/03/02	13:20:00	581.13	390.00	92/03/02	17:30:00	580.75
145.00	92/03/02	13:25:00	581.12	395.00	92/03/02	17:35:00	580.74
150.00	92/03/02	13:30:00	581.11	405.00	92/03/02	17:45:00	580.73
155.00	92/03/02	13:35:00	581.10	415.00	92/03/02	17:55:00	580.72
160.00	92/03/02	13:40:00	581.09	425.00	92/03/02	18:05:00	580.71
170.00	92/03/02	13:50:00	581.08	430.00	92/03/02	18:10:00	580.70
175.00	92/03/02	13:55:00	581.07	440.00	92/03/02	18:20:00	580.69
180.00	92/03/02	14:00:00	581.06	445.00	92/03/02	18:25:00	580.68
185.00	92/03/02	14:05:00	581.05	450.00	92/03/02	18:30:00	580.67
190.00	92/03/02	14:10:00	581.04	455.00	92/03/02	18:35:00	580.66
195.00	92/03/02	14:15:00	581.03	470.00	92/03/02	18:50:00	580.66
200.00	92/03/02	14:20:00	581.02	480.00	92/03/02	19:00:00	580.64
210.00	92/03/02	14:30:00	581.01	485.00	92/03/02	19:05:00	580.63
215.00	92/03/02	14:35:00	581.00	495.00	92/03/02	19:15:00	580.62
220.00	92/03/02	14:40:00	580.99	505.00	92/03/02	19:25:00	580.61
225.00	92/03/02	14:45:00	580.98	510.00	92/03/02	19:30:00	580.60
230.00	92/03/02	14:50:00	580.98	520.00	92/03/02	19:40:00	580.59
235.00	92/03/02	14:55:00	580.97	525.00	92/03/02	19:45:00	580.58
240.00	92/03/02	15:00:00	580.96	530.00	92/03/02	19:50:00	580.57
245.00	92/03/02	15:05:00	580.95	535.00	92/03/02	19:55:00	580.56
250.00	92/03/02	15:10:00	580.94	545.00	92/03/02	20:05:00	580.55
255.00	92/03/02	15:15:00	580.93	550.00	92/03/02	20:10:00	580.54
260.00	92/03/02	15:20:00	580.92	555.00	92/03/02	20:15:00	580.53
270.00	92/03/02	15:30:00	580.91	565.00	92/03/02	20:25:00	580.52
275.00	92/03/02	15:35:00	580.90	575.00	92/03/02	20:35:00	580.51

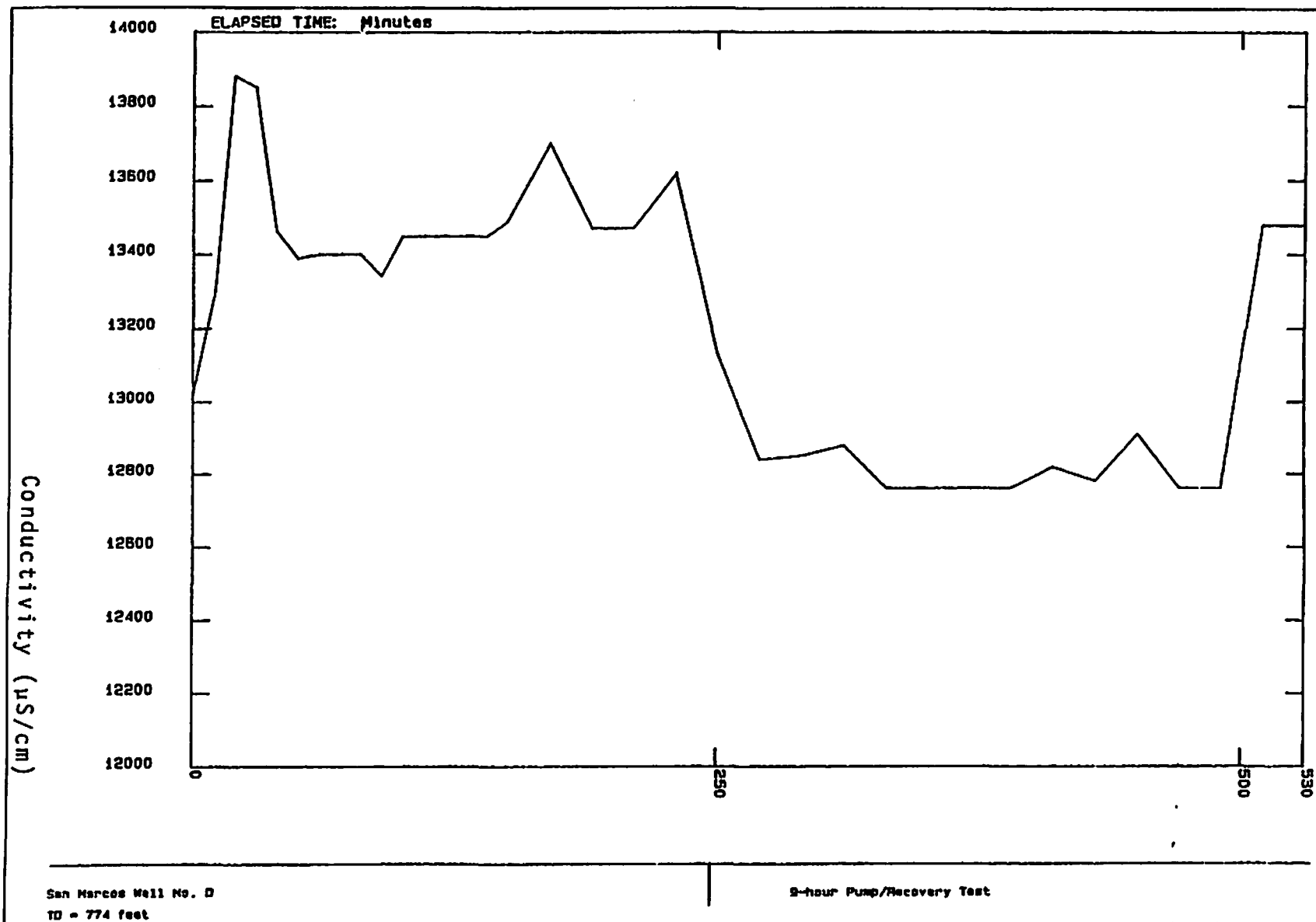
(continued on next page)

TIME LOGS REPORT			Page 3
TT/YY/ED hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SNC EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES	TT/YY/ED hh:mm:ss	WATERLEVEL (Feet below LSD)	
595.00	92/03/02 20:55:00	580.52	
610.00	92/03/02 21:10:00	580.53	
625.00	92/03/02 21:25:00	580.54	
635.00	92/03/02 21:35:00	580.55	
650.00	92/03/02 21:50:00	580.56	
655.00	92/03/02 21:55:00	580.57	
665.00	92/03/02 22:05:00	580.58	
670.00	92/03/02 22:10:00	580.59	
675.00	92/03/02 22:15:00	580.61	
680.00	92/03/02 22:20:00	580.60	
685.00	92/03/02 22:25:00	580.61	
690.00	92/03/02 22:30:00	580.62	
695.00	92/03/02 22:35:00	580.63	
705.00	92/03/02 22:45:00	580.64	
710.00	92/03/02 22:50:00	580.65	
720.00	92/03/02 23:00:00	580.66	
730.00	92/03/02 23:10:00	580.67	
735.00	92/03/02 23:15:00	580.68	
745.00	92/03/02 23:25:00	580.69	
750.00	92/03/02 23:30:00	580.70	
755.00	92/03/02 23:35:00	580.71	
765.00	92/03/02 23:45:00	580.72	
770.00	92/03/02 23:50:00	580.73	
775.00	92/03/02 23:55:00	580.74	
780.00	92/03/03 00:00:00	580.75	
790.00	92/03/03 00:10:00	580.76	
795.00	92/03/03 00:15:00	580.77	
805.00	92/03/03 00:25:00	580.79	
810.00	92/03/03 00:30:00	580.80	
815.00	92/03/03 00:35:00	580.81	
820.00	92/03/03 00:40:00	580.82	
825.00	92/03/03 00:45:00	580.83	
835.00	92/03/03 00:55:00	580.84	
845.00	92/03/03 01:05:00	580.85	
850.00	92/03/03 01:10:00	580.86	
860.00	92/03/03 01:20:00	580.87	
865.00	92/03/03 01:25:00	580.88	
870.00	92/03/03 01:30:00	580.89	
880.00	92/03/03 01:40:00	580.90	
885.00	92/03/03 01:45:00	580.91	
TIME LOGS REPORT Page 4			
TT/YY/ED hh:mm:ss.s Date 92/03/02 11:00:00.0 Well I.D. SNC EDWARDS UNDERGROUND WATER DISTRICT			
Elapsed - TIME - Real MINUTES	TT/YY/ED hh:mm:ss	WATERLEVEL (Feet below LSD)	
890.00	92/03/03 01:50:00	580.92	
895.00	92/03/03 01:55:00	580.93	
900.00	92/03/03 02:00:00	580.94	
905.00	92/03/03 02:05:00	580.95	
910.00	92/03/03 02:10:00	580.96	
920.00	92/03/03 02:20:00	580.97	
930.00	92/03/03 02:30:00	580.98	
935.00	92/03/03 02:35:00	580.99	
940.00	92/03/03 02:40:00	581.00	
945.00	92/03/03 02:45:00	581.01	
955.00	92/03/03 02:55:00	581.02	
965.00	92/03/03 03:05:00	581.04	
975.00	92/03/03 03:15:00	581.05	
985.00	92/03/03 03:25:00	581.06	
990.00	92/03/03 03:30:00	581.07	
1000.00	92/03/03 03:40:00	581.08	
1005.00	92/03/03 03:45:00	581.09	
1020.00	92/03/03 04:00:00	581.10	

PUMPING TEST ANALYSIS Drawdown







Appendix III

APPENDIX III

VIDEO SUMMARIES

NOTE: "Cave" is defined as any opening which is equal to or greater than 1 foot.

VIDEO SUMMARY
New Braunfels Well No. A-1

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES	
<u>Feet to Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No</u>	<u>Porosity</u>	<u>Present</u>	
444	466	X						X		
466	477		X		X					
467	471	X	X							
471	482	X						X		
482	505		X							
505	506		X		X					
507	511	X						X		
511	534	X	X		X					
534	536									
536	-									X
536	544	X						X		
544	-									X
544	549		X		X					
549	550			X		X				
550	559	X	X		X					
559	572	X								
572	578	X	X		X					
578	590							X		
590	592		X		X					
592	607	X						X		
607	610	X	X		X					
610	-					X				
610	614	X	X		X					
614	621	X						X		
621	626	X	X							
626	654	X						X*		
654	660	X	X							
660	667	X						X		
667	683	X	X		X					
683	-				X	X				
683	698	X	X							
698	-				X					
698	702	X	X							
702	-				X	X				
702	705	X	X							
709	720	X	X		X					
720	-				X	X				
723	-									X
723	727		X							
727	-				X					
727	782	X	X		X					
801	810	X	X		X					

VIDEO SUMMARY
New Braunfels Well No. A-1
Page 2

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES	
<u>Feet</u>	<u>to Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No</u>	<u>Porosity</u>	<u>Present</u>
810	816		X		X					
816	820	X								
820	-		X	X	X	X				
854	857						X			
857	869						XXX			
869	927		X	X	X	X				X
927	-			X		X	X			
927	933		X	X	X					

VIDEO SUMMARY
New Braunfels Well No. B-1

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES	
<u>Feet to</u>	<u>Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No</u>	<u>Porosity</u>	<u>Present</u>
472	490								X	
490	494				X					
494	501			X	X					
501	503			X	X	X				
503	511								X	
511	523			X	X					
523	-	X			X					
534	-				X					
535	-	X			X					
540	541					X				
542	553	X								
554	565	X	X							
566	567					X				
568	574	X							X	
575	-				X					
577	-			X	X					
578	584					X	X			
584	-					X	X			
585	590		X							
590	596	X								
596	-		X							
600	-								X	
601	-	X								
602	-	X							X	
613	-		X							
614	616								X	
616	631								X	
631	-								X	
639	646	X	X		X					
646	-				X	X				
646	699	X	<u>RDM</u>						X	856-674
699	703	X	X		X					
704	709	X							X	
709	710				X	X				
710	720		X		X					
721	-		X		X					
722	727	X							X	
727	733	X			X					
733	741		X	X		X				
741	743						XXX			
743	746			X		X				
746	748	X							X	

VIDEO SUMMARY
New Braunfels Well No. B-1
Page 2

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES
<u>Feet to</u>	<u>Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No Porosity</u>	<u>Present</u>
748	750			XX			XXX		
751	752	X							X
753	758			X			X		
758	760	X							X
760	763		X	X					
763	774		X				X		
774	780	X							
780	-		X				X		
780	796	X	X						
796	-		X	X					
796	911	X	X	X	X	X			

VIDEO SUMMARY
New Braunfels Well No. C-1

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES
<u>Feet to</u>	<u>Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No Porosity</u>	<u>Present</u>
518	544	X						X	
526	-				X	X			
537	-				X				
542	-								
544	564	X	X						
564	573		X						
573	578		X	X	X				
578	588	X	X						
588	679		X	X					
588	-				X	X			
591	-				X	X			
605	-				X	X			
615	-				X	X			
623	-				X	X			
640	-				X	X			
651	-				X	X			
660	-				X				
679	-	X						X	X
686	697		X		X				
697	703	X						X	
703	705	X	X						
705	732	X						X	X
732	-								X
732	741	X							
741	742			X	X				
741	760		X	X					
760	766			X					
766	774		X						
774	783			X					
783	784			X					
784	789	X	X						
789	790			X		X			
790	803		X	X					
803	-				X				
803	808	X	X						
808	810			X	X				X
810	813	X	X						
813	963		X	X	X	X			
834	-							XXX	
870	-					X			
875	-					X	X		
880	-					X			

XXX

Rols h long

XXX

7 1/2 minute

VIDEO SUMMARY
New Braunfels Well No. C-1
Page 2

INTERVAL	POROSITY	CAVES	SMOOTH	FRACTURES
<u>Feet to Feet</u>	<u>Low Medium High</u>	<u>Small Medium Large</u>	<u>No Porosity</u>	<u>Present</u>
918 -		X		
924 -		X X		
933 -		X		

917 1000 1100

VIDEO SUMMARY
San Marcos Well No. B

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES	
<u>Feet to</u>	<u>Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No</u>	<u>Porosity</u>	<u>Present</u>
410	425	X							X	
425	452	X	X							
452	473		X		X					
473	483	X								
483	495		X		X					
495	526	X	X							
529	-	X	X							
529	554	X			X					
554	592	X	X						X	X
592	603	X								
603	617	X								
617	891	X	X							
640	665		X							
675	-		X							
689	-		X							
713	710		X							
735	743		X							
770	760		X							
779	-		X							
791	792		X							
800	801		X							
815	813		X							
826	-		X							
834	835		X							
845	840		X							
851	852		X							

VIDEO SUMMARY
San Marcos Well No. C

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES
<u>Feet to</u>	<u>Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No Porosity</u>	<u>Present</u>
418	436	X						X	
436	505	X	X						
505	572	X	X		X				
572	602	X						X	
597	840								X
602	-		X	X	X				X
629	-				X				X
630	-				X				X
639	-				X				X
662	-				X				X
696	-				X				X
727	-				X				
820	-		X		X				
840	860		X						
860	900	X						X	
900	922	X	X						

VIDEO SUMMARY
San Marcos Well No. D

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES
<u>Feet to</u>	<u>Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No Porosity</u>	<u>Present</u>
460	473							X	
473	474	X							
474	476							X	
476	477	X							
477	485							X	
485	488	X			X				
488	497	X			X				
497	504	X							
504	505	X			X				
505	507	X							
507	-	X			X				X
507	517	X							
517	537	X							
537	541								X
541	-	X	X						
542	544	X						X	
544	-							X	X
545	549	X							X
550	555	X							
555	-	X			X				
556	563	X							
563	567								X
567	570	X			X				
570	572							X	X
572	581	X							
581	593							X	X
593	604				X			X	X
605	606							X	X
607	-				X				
607	616				X			X	X
616	628							X	
628	634				X				
635	652	X						X	
652	654	X							X
696	-	X	X						
677	-				X				
679	681			X		X	X		
682	683		X						
684	686			X		X	X		
688	694	X	X					X	
694	700	X			X			X	X
701	704	X	X						
704	710	X						X	X

VIDEO SUMMARY
San Marcos Well No. D
Page 2

INTERVAL		POROSITY			CAVES			SMOOTH	FRACTURES
<u>Feet to</u>	<u>Feet</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>No Porosity</u>	<u>Present</u>
710	718	X	X						
718	722		X	X					
722	727	X	X						X
727	729		X						X
729	-		X			X			
730	731							X	
732	740		X						
740	746							X	
746	747	X							
748	552							X	
752	767	X	X		X				X
768	-			X					
768	775	X						X	

Appendix IV

APPENDIX IV

THIN SECTION DESCRIPTIONS

KEY

%. A visual estimation of the percent of limestone and/or dolomite in the thin section. A grab-sample of the cuttings was used to make most of the thin section. Grab-samples provided as representative a sample of each interval as could be obtained. For a few of the intervals large cuttings were selected for the thin sections, so an S (designating a selected sample) is present in the column.

Lithology. Lithology of the cuttings, limestone (LM) or dolomite (DOL), plus crystal size of the dolomite (very fine (VF) or fine (F)). In some cases the limestone and/or the dolomite component was divided into subgroups. Subgrouping was done when there was a significant variation in the characteristics of a single lithology.

Major Constituents. The most abundant carbonate and noncarbonate constituents in the cuttings: fossils (foss.), shale, chert, peloids, pellets, etc.

Texture. Dunham's carbonate classification (Mud = mudstone; wacke = wackestone; pack = packstone; and grain = grainstone.)

φ. A visual estimation of the amount of porosity (low = L; medium = M; and high = H).

Pore Type. The major pore types classified according to Choquette and Pray (1970) (moldic = MO; V = vuggy; between crystals = BC; and between particles = BP.)

Dolomoldic φ. Porosity created by the dissolution or partial dissolution of dolomite crystals (abundant = A; common = C; and low = L).

K. A visual estimation of the amount of permeability (low = L; medium = M; and high = H).

Comments. Any minor constituents or additional characteristics of the sample that were deemed important.

NEW BRAUNFELS MONITORING WELL NO. A-1
THIN SECTION ANALYSIS

Sample Interval (feet)	Lithology			Major Constituents	Texture	g	Pore Type	Dolo-Moldic g	K	Comments
	X	LN	DOL							
<u>GEORGETOWN FORMATION 433-464</u>										
432.0-41.5	100	LN	-	Shaly/foss.	Wacke/Pack	-	-	_____	-	Glauconite/pyrite
441.5-46.2	100	LN	-	Shaly/foss.	Wacke/Pack	-	-	_____	-	Basalt/glauconite/pyrite
446.2-47.2	100	LN	-	Shaly/foss.	Wacke/Pack	-	-	_____	-	Basalt/glauconite/pyrite
447.2-56.2	100	LN	-	Shaly/foss.	Wacke/Pack	-	-	_____	-	Glauconite/pyrite
447.2-56.2	100	LN	-	Shaly/foss.	Wacke/Pack	-	-	_____	-	Glauconite/pyrite
456.2-66.2	100	LN	-	Shaly/foss.	Mud/Wacke	L	NO/BP	_____	L	-
<u>PERSON FORMATION</u>										
<u>CYCLIC, MARINE, LEACHED & COLLAPSED MEMBERS (COMBINED) 466-626</u>										
466.2-76.2	100	LN	-	Foss.	Pack	H	NO/BC	_____	L	Small pores/some sparry calcite
476.2-86.2	S	LN	-	Shaly/foss.	Wacke	H	NO/BP	_____	L	Small pores
	S	-	VF DOL	-	Pack	H	NO/BC/V	_____	H	-
486.2-96.2	S	-	VF DOL	-	Pack	H	NO/V/BC	_____	H	-
	S	-	VF DOL	-	-	H	BC/V	_____	L	-
496.2-506.2	S	-	VF DOL	Cherty	Wacke	-	-	_____	-	Abundant chert filled pores
	S	-	VF DOL	-	-	H	V/BC	_____	H	-
	S	LN	-	Shaly	Wacke	H	BC/BP/NO/V	_____	A	H
506.2-16.2	70	-	VF DOL	-	-	H/H	BC	_____	L	-
	15	-	VF DOL	Cherty	-	-	-	_____	-	Sponge spicules
	10	-	VF DOL	-	Pack	L/H	NO	_____	L	-
	5	LN	-	-	Wacke/Pack	L	BP	_____	-	-
516.2-26.2	65	-	VF DOL	-	-	H	NO/BC	_____	H	-
	25	-	DOL	Cherty	-	-	-	_____	-	-
	10	-	VF DOL	Shaly	-	-	-	_____	-	-
526.2-36.2	50	LN	-	-	Pack	L	BP/VP	_____	L	-
	30	LN	-	-	Wacke/Pack	H	NO/BC	_____	H	-
	20	-	VF DOL	Cherty	-	-	BP	_____	-	-
536.2-46.2	70	-	VF DOL	-	-	H	BC/V	_____	H	-
	30	-	VF DOL	Cherty	-	-	-	_____	-	-
546-56	50	-	VF DOL	-	-	H	BC/V	_____	H	-
	50	-	VF DOL	-	-	H	NO	_____	H	-

NEW BRAUNFELS MONITORING WELL NO. A-1

Page 2

Sample Interval (feet)	Lithology			Major Constituents	Texture	S	Pore Type	Dolo- Moldic S	K	Comments
	X	LN	DOL							
556-66	30	-	VF DOL	Cherty	-	-	-	---	-	-
	30	-	VF DOL	-	-	M	BC/V	---	M	-
	20	-	VF DOL	-	Pack	M	V/MO	---	M	-
	20	-	VF DOL	Shaly/Calclitic	-	L	L	---	M	-
566-76	80	-	VF DOL	-	-	M	BC/V/MO	---	M	-
	10	-	VF DOL	Shaly/Foss.	-	-	-	---	-	-
	5	-	VF DOL	-	-	-	-	---	-	-
	5	-	VF DOL	Cherty	-	-	-	---	-	-
576-86	60	LN	-	Dolomitic/Shaly Wacke	-	VL	-	---	VL	-
	30	-	VF DOL	-	-	L	MO	---	L	-
	10	LN	-	Cherty	-	-	-	---	-	-
586-96	85	LN	-	VF Dolomitic	-	L	BP/MO	---	L	-
	15	-	VF DOL	Shaly/Foss. Wacke	-	-	-	---	-	-
596-606.41	45	-	VF DOL	-	-	M	MO	---	M	-
	45	LN	-	Dolomitic/Shaly Wacke	-	-	-	---	-	-
	15	LN	-	- Wacke	-	M	MO	---	M	-
606-16	65	-	VF DOL	Shaly	-	L	BC	---	L	-
	30	-	VF DOL	-	-	L	MO	---	L	-
	5	LN	-	Shaly	-	L	-	---	-	-
616-26	65	LN	VF DOL	-	Pack	L/M	MO	---	L	-
	20	-	VF DOL	-	-	VL	-	---	-	-
	15	LN	-	Cherty/Shaly/ Foss.	-	L	MO	---	L	-
REGIONAL DENSE MEMBER 626-646										
626-31	90	LN	-	Foss.	Wacke	-	-	---	-	Some cuttings shaly/pyrite
631-34	90	LN	-	Foss.	Mud/Wacke	-	-	---	-	Minor silt/pyrite
	10	LN	-	Shaly	Mud/Wacke	-	-	---	-	Minor silt/pyrite
634-46.5	100	LN	-	Foss.	Wacke	-	-	---	-	Minor silt
KAINER FORMATION										
GRAINSTONE MEMBER 644-706										
646.5-56.5	90	LN	-	Miliolid	Grain	L	BP	---	L	Sperry calcite cement
	10	LN	-	Shaly/Foss.	Pack	-	-	---	-	-
656.5-66.5	50	LN	-	Miliolid/	Grain	L	WP/BP	---	L	Sperry calcite cement
	50	LN	-	Peloidal/Foss.	Pack	L	MO	---	L	-
666.5-76.5	60	LN	-	Cherty/ Molluscan	Pack	L	MO	---	L	-
	40	LN	-	Pellet/Peloidal	Pack	L	BP/MO	---	L	-

NEW BRAUNFELS MONITORING WELL NO. A-1
Page 3

Sample Interval (feet)	Lithology			Major Constituents	Texture	B	Pore Type	Dolo- Moldic B	K	Comments
	Z	LN	DOL							
676.5-81.5	40	-	VF DOL	Peloidal/Pellet Pack	-	L	NO/BC	---	L	-
	40	-	VF DOL	-	-	-	-	---	-	-
	20	-	-	Chert	-	-	-	---	-	-
681.5-86.5	60	-	VF DOL	Pellet/Peloidal -	-	N	V/NO	A	N	-
	20	-	DOL	Cherty	-	-	-	---	-	-
	20	LN	-	Dolomitic/ Pellet	Pack	L/N	NO	A	L	-
686.5-96.5	60	LN	-	-	Grain	L	BP	---	L	-
	40	LN	-	Miliolid/Ooid Dolomitic/ Miliolid/Ooid	Grain	N	NO/BC	A	N	-
696.5-706.5	80	-	VF DOL	-	-	N	NO (BC)	A	N	-
	10	-	-	Chert	-	-	-	---	-	-
	10	LN	-	Miliolid/Ooid	Grain	N	BP/NO	---	N	-
706.5-16.5	100	-	VF DOL	-	Pack	N	NO/V	C	N	-
KIRSCHBERG & DOLOMITIC MEMBERS 706-874										
716.5-26.5	95	-	VF DOL	-	Pack	N	V/NO	C	N	Late stage calcite cement after dolomitization
	5	-	VF DOL	Shaly	-	-	-	---	-	
726.5-36.5	100	-	VF DOL	Peloid	Pack	N	NO	L	N	-
736.5-46.5	60	LN	-	Dolomitic/ Miliolid/ Peloidal	Pack	VL	-	L	-	-
	40	-	VF DOL	-	-	N	BC/NO	C	N	-
746.5-56.5	90	-	VF/F DOL	-	-	N	BC/V/NO	C	N	Calcite cement/calcite filled fracture
	10	-	VF DOL	Cherty	-	L	NO	---	L	
756.5-66.5	60	-	VF DOL	Peloidal	Pack	N	BC/NO	L	N	-
	40	-	VF DOL	Peloidal	-	L	BC/NO	---	L	-
766.5-76.5	50	-	F/VF DOL	-	-	N	BC	L	N	-
	50	-	F/VF DOL	Peloidal/ Gastropod	Pack	N	NO/BC	---	N	-
776.5-81.5	50	-	VF DOL	-	-	L	BC	---	L	Some shale/calceolite
	40	-	VF DOL	-	Pack	N	NO	---	N	
	10	-	VF/F DOL	Calceitic	-	L	NO	C	N	
781.5-86.5	50	-	VF DOL	-	-	L	NO	---	L	-
	30	LN	-	Shaly/Dolomitic	-	L	BC/NO	C	L	-
	20	-	VF DOL	Miliolid/foss.	Pack	N	NO/BP	---	N	-

NEW BRAINFELS MONITORING WELL NO. A-1

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Sample Interval (feet)	Lithology			Major Constituents	Texture	P	Pore Type	Dolo-Moldic P	K	Comments
	X	LM	DOL							
786.5-96.5	40	-	VF DOL	Calclitic	Pack	L	BC/NO	C	L	With some dolomite
	30	LM	-	Milioid/Peloidal	Grain	L	BP	C	L	
	30	-	VF DOL	-	-	H	V/BC	C	H	
796.5-806.5	65	-	VF/F DOL	-	-	H	BC/V	C	H	-
	20	LM	-	Dolomitic/Shaly	-	L	NO	C	-	-
	15	-	DOL	Cherty	-	-	-	C	-	-
806.5-16.5	55	-	VF DOL	-	-	L	NO/BC	C	L	-
	30	LM	-	Dolomitic/Milioid/Peloidal	Pack	L	NO/BP	C	L	-
	15	-	DOL	Cherty	-	-	-	C	-	-
816.5-26.5	80	-	VF/F DOL	Peloidal	Pack	L/M	V/BC	L	H	Dolomite in vugs
	20	-	-	Dolomitic/Milioid	Pack	L	NO	C	L	-
826.5-36.5 (S)	80	LM	-	-	Pack	L	NO	C	L	-
	20	-	VF DOL	-	-	H	BC/V	C	H	-
836.5-46.5	80	-	VF DOL	-	-	L	BC/V	L	L	-
	20	LM	-	Molluscan Peloidal	Pack	L	NO	C	L	-
846.5-56.5	100	LM	-	Molluscan	Pack	H	NO/BP	C	L/M	-
856.5-66.5	80	-	F/VF DOL	-	-	H	NO/BC	C	H	Some shaly
	20	LM	-	-	Pack	H	NO/BP	C	L/M	-
866.5-76.5	80	-	VF DOL	-	-	L/M	BP/V	C	L/M	-
	20	-	F DOL	Shaly	-	H	BP	L	H	-
BASAL MODULAR MEMBER 876-910										
876.5-81.5	35	-	F/VF DOL	-	-	L	BC/V	C	L	-
	35	-	F/VF DOL	-	-	VL	BC/V	C	L	-
	30	LM	-	Dolomitic Peloidal	Pack	H	NO/BP	L	H	-
881.5-86.5	60	-	VF DOL	-	-	VL	BC/V	C	L	-
	20	LM	-	Dolomitic	Pack	L	NO	C	L	-
	20	-	VF DOL	-	-	H	V/NO/BC	C	H	-
886.5-96.5	95	-	VF DOL	-	-	H	NO/V/BC	C	H	-
	5	LM	-	Dolomitic	Pack	VL	-	C	-	-
896.5-906.5	80	-	F DOL	-	-	L	BC	C	-	-
	20	-	F DOL	Milioid	-	H	BC	C	L	-

NEW BRAINFELS MONITORING WELL NO. A-1
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Sample Interval (feet)	Lithology			Major Constituents	Texture	P	Pore Type	Dolo- Moldic P	K	Comments
	X	LN	DOL							
906.5-16.5	40	LN	-	Dolomitic/ Miliolid	Grain/Pack	L	BP	_____	L	-
	40	-	VF DOL	-	-	VL	-	_____	-	-
	20	-	VF DOL	-	-	N	SC	_____	N	-
<u>GLEN ROSE FORMATION 910-</u>										
916.5-26.5	40	LN	-	Dolomitic	Pack	L	BP	_____	L	-
	30	-	VF/F DOL	-	-	N	V/SC/ND	_____	N	-
	30	-	VF/DOL	-	-	L	SC/V	_____	L	-

KEW BRAUNFELS MONITORING WELL NO. B-1
THIN SECTION ANALYSIS

Sample Interval (feet)	Lithology			Major Constituents	Texture	β	Pore Type	Dolo-Moldic β	K	Comments
	Z	LN	DOL							
<u>GEORGETOWN FORMATION 462-494</u>										
426.5-472.5	100	LN	-	Shaly/Foss.	Pack	-	-	_____	-	Pyrite/glaucanite
473.8-486.8	100	LN	-	Shaly/Foss.	Pack	-	-	_____	-	Pyrite/glaucanite
<u>PERROW FORMATION</u>										
<u>CYCLIC, MARINE, LEACHED & COLLAPSED MEMBERS (COMBINED) 494-656</u>										
506.7-511.7	90	LN	-	Foss.	Wacke/Pack	L/M	BP	_____	L	Dolomitic
	10	LN	-	Dolomitic	Wacke/Pack	L	BC	_____	L	Dedolomitized/pink rhombs
511.7-521.7	45	-	VF DOL	-	Pack	N	BC	_____	N	-
	45	-	VF DOL	-	-	N	V	_____	N	-
	10	LN	-	Dolomitic	Wacke	L	BP	_____	L	-
521.7-531.7	30	-	VF DOL	-	-	N	BC/NO	_____	N	-
	30	-	VF DOL	-	-	VL	-	_____	-	-
	30	LN	-	-	Wacke	-	-	_____	-	-
	10	-	DOL	Cherty	-	-	-	_____	-	-
531.1-541.7	70	-	VF DOL	-	-	N	V/NO/BC	_____	N	-
	25	-	DOL	Cherty	-	-	-	_____	-	-
	5	LN	-	Dolomitic/Foss.	Wacke	VF	NO	_____	L	-
541.7-551.7	45	-	DOL	Cherty	-	-	-	_____	-	-
	35	-	VF DOL	-	-	N	V/NO	_____	N	-
	20	-	VF DOL	-	-	L	BC	_____	L	Some shale
551.7-561.7	30	LN	-	-	Wacke	L	NO	_____	L	-
	30	-	VF DOL	-	-	L	V/BC	_____	L	-
	20	-	VF DOL	-	-	N	V/BC	_____	N	-
	10	-	VF DOL	-	Pack	L	NO	_____	L	-
	10	-	DOL	Cherty	-	-	-	_____	-	-
561.7-564.7	55	LN	-	Foss.	Wacke/Pack	VL	-	_____	-	-
	45	-	F DOL	Peloidal	Pack/Grain	N/N	NO/BP	_____	N/N	-
564.9-574.2	45	-	-	Dolomitic Chert	-	-	-	_____	-	-
	45	-	VF DOL	-	-	N	NO/BC/V	_____	N	-
	10	-	VF DOL	-	-	L	BC	_____	-	-
574.2-586.7	30	-	VF DOL	-	-	N	NO/BC/V	_____	N	-
	30	-	VF DOL	Shaly	-	L	BC	_____	-	-
	30	LN	VF DOL	Foss.	-	L/M	NO	_____	L	-
	10	-	-	Dolomitic Chert	-	-	-	_____	-	-

NEW BRAUNFELS MONITORING WELL NO. B-1

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Sample Interval (feet)	Lithology			Major Constituents	Texture	P	Pore Type	Dolo- Moldic P	K	Comments
	X	LN	DOL							
586.7-596.7	30	-	VF DOL	Shaly	-	-	-	-	-	-
	30	-	VF DOL	-	-	L	V/SC	-	L	Calcite filled fracture
	30	-	VF DOL	-	-	M	NO	-	M	-
	10	-	DOL	Cherty	-	VL	SC	-	VL	Dissolution of chert
596.7-606.7	30	-	VF DOL	-	-	M	V/SC	-	M	-
	30	-	VF DOL	-	-	M	NO	-	M	-
	30	-	VF DOL	-	-	L	SC	-	L	-
	10	-	DOL	Cherty	-	-	-	-	-	-
606.7-611.7	35	LN	-	Dolomitic	Wacke	-	-	-	-	-
	30	-	VF DOL	-	-	M	NO	-	-	-
	30	-	VF DOL	-	-	L	SC	-	L	-
611.7-616.7	40	-	VF DOL	-	-	M	SC/V/NO	-	M	-
	35	LN	-	Dolomitic	Wacke	-	-	-	-	-
	20	-	VF DOL	-	-	L	V/SC	-	-	-
	5	-	DOL	Cherty	-	-	-	-	-	-
616.7-626.7	85	-	VF DOL	-	-	M	NO	-	M	-
	15	-	VF DOL	Shaly	-	L	SC	-	L	-
626.7-636.7	50	LN	-	Dolomitic/ Foss./Peloidal	Wacke	-	-	-	-	Some shale
	35	-	VF DOL	-	-	M	V/NO/SC	-	M	-
	15	-	VF DOL	Shaly	-	VL	SC	-	VL	-
636.7-646.7	50	-	VF DOL	-	-	L/M	NO/SC	-	L	-
	40	-	VF DOL	-	-	L	SC	-	L	-
	10	LN	-	Dolomitic/Foss./- Foss./ Molluscan	-	-	-	-	-	Some shale
646.7-656.7	60	LN	-	Dolomitic, Peloidal/Foss.	Peck	VL	-	-	-	-
	40	-	VF DOL	-	-	L	NO/SC	-	L	-
REGIONAL DENSE MEMBER 656-674										
656.7-661.7	100	LN	-	Foss.	Mud/Wacke	-	-	-	-	Some shale/pyrite
661.7-671.7	100	LN	-	Silty/Foss.	Mud/Wacke	-	-	-	-	Quartz silt/some shale/pyrite
671.7-676.7	100	LN	-	Dolomitic/ Silty/Foss.	Wacke	-	-	-	-	Quartz silt some shale/pyrite
KAJAK FORMATION										
GRAINSTONE MEMBER 674-744										
676.7-681.7	50	LN	-	Miliolid	Grain	L	BP	-	L	-
	50	LN	-	Peloidal/ Miliolid	Peck	L	BP	-	L	-

KEW BRAUNFELS MONITORING WELL NO. B-1
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Sample Interval (feet)	Lithology			Major Constituents	Texture	Ø	Pore Type	Dolo-Moldic Ø	K	Comments
	%	LN	DOL							
681.7-686.7	50	LN	-	Miliolid/Peloidal	Grain	L	NO/SP	—	L	-
	50	LN	-	Miliolid/Peloidal	Pack	L	NO/SP	—	L	-
686.7-696.7	50	LN	-	Miliolid/Peloidal	Grain	M	NO/SP	—	M	-
	50	LN	-	Miliolid	Wacke/Pack	L	WP/NO	—	L	-
696.7-706.7	50	LN	-	Peloidal	Pack	VL	NO/SP	—	-	Dog tooth calcite cement
	50	LN	-	Molluscan/Foss. Grain		M	NO/SP	—	M	Dog tooth calcite cement
706.7-711.4	50	-	VF DOL	-	-	M	NO/SC	<u>C</u>	M	Shaly
	50	-	VF DOL	-	-	M	NO/V/SC	<u>C</u>	M	Less shaly
711.7-721.7	40	LN	-	VF Dolomitic/Peloidal/Miliolid	Pack	L	NO	<u>A</u>	L	-
	30	LN	-	Peloidal/Miliolid	Pack	M	NO/SP	—	M	-
	30	-	VF DOL	-	-	M	NO/SC	—	M	-
721.7-726.7	100	LN	-	VF Dolomitic/Miliolid	Pack	M	SP/NO	<u>A</u>	M	-
726.7-736.7	40	-	-	Dolomitic/Cherty/Shaly	-	-	-	—	-	Has orangish brown patches
	30	-	VF DOL	-	-	M	NO/SC	<u>A</u>	M	-
	30	LN	-	VF-F Dolomitic/Peloidal/Miliolid	Pack	L	SP	<u>A</u>	L	-
736.7-746	40	-	VF DOL	Peloidal	Pack	M	NO/SC	<u>C</u>	M	Some cuttings have no texture present
	35	-	F/VF DOL	-	-	M	SC	—	M	-
	25	-	DOL	Cherty	-	-	-	—	-	-
KIRSCHBERG & DOLOMITIC MEMBERS 730-900										
746.7-756.7	50	-	VF DOL	Foss.	-	M	V/NO/SC	—	M	-
	50	-	VF DOL	Peloidal, Miliolid	Pack	L	SC	—	L	-
756.7-761.7	100	-	VF DOL	-	-	M	V/SC	<u>C</u>	M	-
761.7-771.7	50	LN	-	F Dolomitic/Foss.	-	L	SC/NO	<u>L</u>	L	-
	50	-	VF DOL	Peloidal/Shaly	-	M	NO/SC	<u>C</u>	M	-
771.7-781.7	50	LN	-	F Dolomitic/Foss.	-	L	SC/NO	<u>L</u>	L	-
	50	-	VF DOL	Peloidal/Shaly	-	M	NO/SC	<u>C</u>	M	-

NEW BRAUNFELS MONITORING WELL NO. B-1

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Sample Interval (feet)	Lithology			Major Constituents	Texture	P	Pore Type	Dolo-Moldic	K	Comments
	%	LN	DOL							
781.7-791.7	90	-	VF DOL	Peloidal/Cherty/Shaly	-	M	NO/BC	___	M	-
	10	-	DOL	Cherty	-	-	-	___	-	-
791.7-801.7	45	-	VF DOL	Shaly/Cherty	Pack	M	BC	___	M	-
	35	-	VF DOL	-	-	M	BC/V/NO	___	M	-
	20	-	VF DOL	-	-	L	BC	___	L	-
801.7-811.7	40	-	VF DOL	Peloidal/Shaly	-	L	BC	<u>L</u>	L	-
	30	LN	-	VF-F Dolomitic/Foss.	-	M	BC	<u>L</u>	M	-
	20	-	VF DOL	Shaly	-	M	V/NO/BC	___	M	-
	10	-	VF DOL	Cherty	-	-	-	___	-	-
811.7-821.7	70	LN	-	Dolomitic/Foss./Pack	-	L	NO/SP	<u>L</u>	L	-
	20	-	VF/F DOL	-	-	M	BC/V	<u>L</u>	M	-
	10	-	VF DOL	Chert	-	-	-	___	-	-
821.7-831.7	45	-	-	VF Dolomitic Chert	-	-	-	___	-	-
	45	-	F/VF DOL	Chert	-	M	BC/NO	<u>A</u>	M	-
	10	-	VF DOL	-	-	VL	BC/VC	___	VL	-
831.7-836.7	50	-	VF DOL	Peloidal	-	M	NO/BC	___	M	-
	50	LN	-	F Dolomitic/Foss.	Pack	VL	NO	___	VL	Dog tooth calcite
836.7-846.7	40	-	VF DOL	-	-	M	NO/BC	<u>C</u>	M	-
	40	-	VF DOL	Shaly/Peloidal	-	L	BC	___	L	-
	20	LN	-	F Dolomitic/Foss.	Pack	VF	NO	<u>C</u>	VL	-
846.7-856.7	30	-	VF DOL	Shaly	-	M	BC/NO	___	M	-
	30	LN	-	VF Dolomitic/Foss.	Pack	VL	NO	<u>C</u>	VL	-
	30	-	VF DOL	-	-	L	BC/NO	___	L	-
	10	-	VF DOL	Peloidal	-	M	NO	___	M	-
856.7-861.6	50	LN	-	F/VF Dolomitic/Foss.	Pack	M	BC	___	M	Dog tooth calcite
	50	-	F/VF DOL	-	-	M	VC/NO/BC	<u>C</u>	M	-
861.6-871.6	50	-	F/VF DOL	-	-	M	NO/BC	<u>L</u>	M	-
	50	LN	-	F Dolomitic/Foss.	Pack	L/M	-	<u>C</u>	L/M	Dog tooth calcite
871.6-881.6	35	LN	-	F Dolomitic/Foss.	Pack	M	BC	<u>L</u>	M	-
	35	-	VF/F DOL	-	-	M/M	V/NO/BC	___	M/M	-
	20	LN	-	Cherty	-	-	-	___	-	-
	10	LN	-	F Dolomitic/Peloidal	Pack	L	BC/NO	___	L	-

NEW BRAUNFELS MONITORING WELL NO. B-1
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Sample Interval (feet)	Lithology			Major Constituents	Texture	θ	Pore Type	Dolo- Moldic θ	K	Comments
	Σ	LM	DOL							
881.6-886.6	100	-	F/VF DOL	-	-	M	NO/BC	<u>1</u>	M	-
886.6-896.5	50	-	VF DOL	-	-	N	BC/NO	<u>1</u>	M	-
	50	-	DOL	Chert	-	-	-	<u>1</u>	-	-
896.5-906.5	50	-	VF DOL	-	-	M	BC/NO	<u>1</u>	M	-
	50	-	DOL	Chert	-	-	-	<u>1</u>	-	-
<u>BASAL MODULAR 900+</u>										
906.5-911.5	60	-	VF DOL	-	-	N/N	BC/V/NO	<u>1</u>	N/N	-
	40	LM	F/DOL	Foss.	Peck	VL	BC/NO	<u>1</u>	VL	-
911.5-916.5	60	LM	-	F Dolomitic/ Foss.	Peck	VL	BC/NO	<u>1</u>	VL	-
	40	-	VF DOL	-	-	N/N	BC/V/NO	<u>1</u>	N/N	-

NEW BRAUNFELS MONITORING WELL NO. C-1
THIN SECTION ANALYSIS

Sample Interval (feet)	Lithology			Major Constituents	Texture	δ	Pore Type	Dolo-Moldic δ	K	Comments
	X	LM	DOL							
<u>GEORGETOWN FORMATION 506-540</u>										
520.7-30.7	100	LM	-	Shaly/Foss.	Pack	-	-	_____	-	Pyrite/Molluscan fossils
530.7-40.7	100	LM	-	Shaly/Foss.	Pack	L	BC/NO	_____	L	Calcite cement
<u>PERSON FORMATION</u>										
<u>CYCLIC, MARINE, LEACHED & COLLAPSED MEMBERS (COMBINED) 540-702</u>										
540.7-51.7	100	LM	-	Foss.	Pack	L/M	BC/NO	_____	L	Sperry calcite cement
551.7-61.7	80	-	VF DOL	Peloidal	-	N/H	NO/BC	<u>C</u>	N/H	-
	10	LM	-	Dolomitic/Foss. Pack	-	L	NO/BC	<u>A</u>	-	-
	10	-	DOL	Cherty	-	L	NO/BC	_____	-	-
561.7-71.7	30	-	VF DOL	Cherty	-	-	-	_____	-	-
	30	-	VF DOL	Peloidal	-	N/H	NO/BC	_____	N	-
	30	-	VF DOL	Shaly	-	L	BC	<u>A</u>	L	-
	10	LM	-	Dolomitic/Foss. Pack	-	VL	BC/NO	<u>A</u>	VL	-
571.7-81.7	40	-	VF DOL	-	-	N	NO/BC/V	<u>C</u>	N	-
	40	LM	-	Dolomitic/Foss. Pack	-	L	NO/BC	<u>A</u>	L	-
	10	-	DOL	Cherty	-	-	-	_____	-	-
	10	-	VF DOL	Peloidal	-	N	NO	_____	N	-
581.7-91.5	30	LM	-	Dolomitic/Miliolid	Grain	L	BC/NO	_____	L	Dog tooth calcite
	30	-	VF DOL	-	-	N	V/NO/BC	<u>C</u>	N	-
	30	-	DOL	Cherty	-	-	-	_____	-	-
	10	-	VF DOL	Peloidal	-	N	NO/BC	_____	N	-
591.5-601.5	30	LM	-	Peloidal	Pack	N	NO/EP	_____	N	Dog tooth calcite
	20	LM	-	Foss.	Wacke	L	NO/EP	<u>A</u>	L	Dog tooth calcite
	20	-	VF DOL	-	-	N	NO/BC	<u>A</u>	N	-
	20	-	VF DOL	Peloidal	-	N	NO/BC	_____	N	-
601.5-11.5	10	-	-	Dolomitic Chert	-	-	-	_____	-	-
	45	LM	-	Miliolid/Peloidal	Pack	L	NO	_____	L	-
	40	LM	-	-	Wacke	N	NO	_____	N	-
	10	-	VF DOL	Cherty	-	-	-	_____	-	-
611.5-21.5	5	-	VF DOL	-	Pack	L	NO	_____	L	-
	50	-	VF DOL	-	-	N	NO/BC	_____	N	-
	30	-	VF DOL	Shaly	-	L	BC	_____	L	-
	20	-	-	Dolomitic Chert	-	-	-	_____	-	-

NEW BRAUNFELS MONITORING WELL NO. C-1
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Sample Interval (feet)	Lithology			Major Constituents	Texture	P	Pore Type	Dolo-Moldic %	K	Comments
	%	LN	DOL							
621.5-61.5	40	-	VF DOL	-	Peck	H	V/MO/BC	_____	H	-
	40	-	VF DOL	Shaly	-	L	BC	_____	L	-
	20	-	-	VF Dolomitic Chert	-	-	-	_____	-	-
631.5-61.5	80	-	VF DOL	-	-	H	V/MO/BC	_____	H	-
	10	-	VF DOL	Shaly	-	L	BC	_____	L	-
	10	-	VF DOL	Cherty	-	-	-	_____	-	-
641.5-61.5	70	-	VF DOL	-	-	H	MO/V/BC	A	H	-
	20	LN	-	VF/F Dolomitic Foss.	-	L	BC/MO	_____	L	-
	10	-	F/VF DOL	Foss.	-	H	BC/MO	A	H	Dolomite in voids
651.5-61.5	40	-	VF DOL	-	-	H/H	V/MO/BC	_____	H/H	-
	40	-	VF DOL	-	-	L/H	BC	_____	L/H	-
	20	LN	-	F/VF Dolomitic/ Foss.	-	L	BC	_____	L	Minor cherty dolomite
661.5-71.5	50	-	VF DOL	-	-	H/H	MO/BC	_____	H/H	-
	30	-	VF DOL	-	-	L	BC	_____	L	-
	20	LN	-	VF Dolomitic/ Shaly	Wacke	VL	BC	_____	VL	Minor cherty dolomite
671.5-81.5	40	-	VF DOL	-	Peck	H	MO/BC	L	H	-
	30	-	VF DOL	-	Wacke	H	MO	_____	H	-
	30	-	VF DOL	-	-	L	BC	_____	L	Minor cherty dolomite
681.5-91.5	35	-	VF DOL	-	-	L/H	MO/BC	_____	L/H	-
	30	-	VF DOL	-	Wacke	L/H	MO	_____	L/H	-
	20	LN	-	F/VF Dolomitic/ Foss.	Wacke	L	BC	_____	L	-
	15	-	VF DOL	Peloidal	Peck	H	MO	_____	H	Minor cherty dolomite/dolomite in voids

REGIONAL DENSE MEMBER 702-724

691.5-701.5	100	LN	-	Silty/Shaly/ Foss.	Mud/Wacke	VL	-	_____	-	Quartz/pyrite
706.5-16.3	100	LN	-	Silty/Shaly/ Foss.	Mud/Wacke	VL	-	_____	-	Quartz/pyrite
716.3-26.3	60	LN	-	VF Dolomitic	Wacke/Peck	VL	-	_____	-	Silty
	40	LN	-	Miliolid	Grain/Peck	VL	-	_____	-	-

KAINER FORMATION

GRAINSTONE MEMBER 726-772

726.3-36.3	100	LN	-	Miliolid/ Peloidal	Peck	L/H	BP/MO	_____	L/H	-
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NEW BRAUNFELS MONITORING WELL NO. C-1
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Sample Interval (feet)	Lithology			Major Constituents	Texture	B	Pore Type	Dolo-Moldic	K	Comments
	%	LN	DOL							
736.3-46.0	90	LN	-	Miliolid/Peloidal/Molluscan Dolomitic Chert	Pack	L	BP/NO	---	L	-
	10	-	-		-	-	-	---	-	-
746.0-36.0	85	LN	-	Miliolid/Peloidal/Molluscan	Pack	L/M	BC/NO	---	L/M	-
	10	LN	-	-	Mud	VL	-	---	-	-
	5	-	VF DOL	-	-	L/M	BC/NO	---	L/M	-
756.0-66.0	60	-	VF DOL	-	-	M	BC/NO	C	M	-
	25	-	VF DOL	Calcitic	-	VL	BC	---	VL	-
	10	LN	-	Dolomitic/Foss.	-	VL	BC/NO	---	-	-
	5	-	DOL	Cherty	-	-	-	L	-	-
766.0-76.3	95	-	VF DOL	-	Pack	M/M	BC/NO	A	M/M	Dolomite in voids
	5	-	DOL	Cherty	-	-	-	---	-	-
KIRSCHBERG & DOLOMITIC MEMBERS (COMBINED) 772-940										
776.3-86.3	35	-	F/VF DOL	Calcitic/Miliolid	Pack	L/M	BC/NO	---	L/M	Dolomite in voids/calcite cement
	35	-	F DOL	Calcitic/Peloidal	Grain/Pack	M	BC/NO/V	---	M	Late stage calcite cement
	25	-	F/VF DOL	-	-	M	BC/NO	L	M	-
	5	-	-	Dolomitic Chert	-	-	-	---	-	-
786.3-96.3	35	-	VF DOL	-	Pack	M/M	BC/NO	C	M/M	-
	35	-	VF DOL	Peloidal/Miliolid	Grain/Pack	M/M	BC/NO	---	M/M	Dolomite in voids
	25	-	VF DOL	Calcitic	Pack	L	BC	C	L	-
	5	-	-	Dolomitic Chert	-	-	-	---	-	-
796.3-806.9	35	LN	-	Dolomitic/Shaly/Foss.	Pack	VL	BC	A	VL	-
	30	-	VF DOL	-	-	L/M	BC/NO	A	L/M	-
	25	-	VF DOL	-	-	M	BC/V/NO	A	M	-
	10	-	DOL	Cherty	-	VL	BC	---	VL	-
806.9-16.9	35	LN	-	F Dolomitic/Foss.	Pack	L	BC	A	L	Abundant dolomite
	35	-	VF DOL	-	Pack	M	BC/NO/V	C	M	-
	15	-	VF DOL	-	-	L	BC/NO	---	L	Some chert/raises porosity
	15	-	DOL	Cherty	-	-	-	---	-	-
816.9-26.9	80	-	VF DOL	Shaly	-	M/M	BC/NO	L	M/M	-
	10	LN	-	Dolomitic	Wacke	L/M	NO/BC	---	L/M	Chert filled fractures
	5	LN	-	Dolomitic	-	-	-	---	-	-
	5	-	-	Dolomitic/Chert	-	-	-	---	-	-

NEW BRAUNFELS MONITORING WELL NO. C-1

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Sample Interval (feet)	Lithology		Major Constituents	Texture	S	Pore Type	Dolo-Moldic S	K	Comments
	X	LM DOL							
826.9-86.7	30	- VF DOL	-	-	N	SC/M	<u>C</u>	N	-
	30	- VF DOL	Shaly	-	N/L	SC/MO	<u>C</u>	N/L	-
	15	-	Dolomitic Chert	-	-	-	<u>---</u>	-	-
	15	- VF DOL	-	Wacke	L	NO/SC	<u>---</u>	L	Chert filled fractures
	10	- VF DOL	-	Pack	L	NO	<u>L</u>	L	Dolomite in voids
836.7-46.7	30	- VF DOL	-	Pack	N	NO/SC	<u>C</u>	N	Dolomite in voids and chert/ quartz crystals
	30	- VF DOL	-	Wacke	L/M	NO/SC	<u>---</u>	L/M	Dolomite in voids
	30	- VF DOL	-	Packs	L/M	SC/MO	<u>---</u>	L/M	Dolomite in voids/fractures
	5	LM -	F Dolomitic	-	VL	SC/MO	<u>A</u>	VL	-
	5	-	VF Dolomitic Chert	-	-	-	<u>---</u>	-	-
846.7-56.7	50	LM -	F/VF Dolomitic	-	L	NO/UC/SC	<u>A</u>	L	-
	25	- VF DOL	-	-	N/M	SC/MO/V	<u>C</u>	-	-
	25	- VF DOL	Shaly	-	L	SC/MO	<u>C</u>	L	Dolomitization
856.7-66.7	40	LM -	F/VF Dolomitic	Pack/Grain	L/M	SC/MO	<u>A</u>	-	-
	30	- F/VF DOL	-	-	N/M	SC/MO	<u>A</u>	-	-
	30	LM -	F/VF Dolomitic	Wacke/Pack	L	SC	<u>A</u>	-	-
866.7-76.7	50	- F/VF DOL	Cherty	-	L	SC	<u>---</u>	L	-
	30	- VF DOL	-	-	L/M	SC/MO	<u>C</u>	L/M	-
	5	LM -	F/VF Dolomitic/ Foss.	Pack/Grain	L	SC/MO	<u>C</u>	L	Dolomite in voids
	5	-	Dolomitic Chert	-	-	-	<u>---</u>	-	-
	5	- F DOL	-	-	L/M	SC/MO	<u>C</u>	L/M	-
	5	- VF DOL	Hilloloid/ Peloidal	Pack	L/M	SC/MO	<u>---</u>	L/M	-
876.7-86.7	35	- VF DOL	-	Wacke/Pack	L/M	NO/SC	<u>C</u>	L/M	-
	25	- F DOL	Calclitic/Shaly	-	L/M	SC/MO	<u>C</u>	L/M	Calclite cement
	25	- VF DOL	-	-	L	SC	<u>---</u>	L	-
	10	- F DOL	Hilloloid	Pack/Grain	N	SC/MO	<u>C</u>	N	-
	5	- F/VF DOL	-	-	N	SC/MO	<u>C</u>	N	-
886.7-97.1	35	- F DOL	Calclitic	-	L	SC	<u>C</u>	L	-
	35	LM -	F Dolomitic	-	L	NO	<u>C</u>	L	-
	30	- VF DOL	-	-	L/M	SC/MO	<u>---</u>	L/M	-
897.1-908.1	40	- F DOL	-	-	L	SC/M	<u>L</u>	L	-
	35	- F/VF DOL	-	-	N/M	NO/SC	<u>---</u>	N	-
	20	LM -	VF Dolomitic/ Foss.	Pack	N	NO/SC	<u>A</u>	N	-
	5	-	F/VF Dolomitic/ Foss.	Pack	N	NO/SC	<u>A</u>	N	Dolomite in voids

NEW BRAUNFELS MONITORING WELL NO. C-1

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Sample Interval (feet)	Lithology			Major Constituents	Texture	P	Pore Type	Dolo-Moldic	K	Comments
	X	LN	DOL							
908.1-18.1	60	LN	-	F Dolomitic/ Foss.	Pack	N/N	MO/BC	C	N/N	-
	20	-	F DOL	-	-	N	BC/MO		N	-
918.1-28.1	35	-	F DOL	Calcitic	-	L	BC/MO	C	L	-
	33	-	VF DOL	Calcitic	-	N	BC/MO		N	Calcite cement
	30	-	VF	Dolomitic Chert	-	L	-		-	Microporosity
928.1-39.1	40	-	F/VF DOL	Calcitic	-	L	MO/BC		L	-
	35	-	VF DOL	-	-	L/N	MO/BC		L/N	-
	20	-	DOL	Cherty	-	VL	MO		-	Microporosity in chert
	5	-	F/VF DOL	Shaly	-	N	MO/BC		-	Microporosity in chert
939.1-49.1	30	-	F/VF DOL	-	-	N/N	MO/BC		N/N	-
	30	-	VF DOL	-	-	N	MO/BC		N	-
	20	LN	-	Milioloid/ Peloidal	Pack	VL	BC		VL	-
	20	-	VF DOL	Cherty	-	VL	MO		VL	Microporosity in chert
	10	-	F DOL	Shaly/Calcitic	-	L	BC		L	Calcite fossils
<u>BASAL MODULAR MEMBER 940+</u>										
949.1-59.4	25	LN	-	F Dolomitic/ Foss.	-	L/N	BC/MO	L	L/N	-
	25	-	VF DOL	-	-	N	BC/MO/V		N	-
	25	LN	-	Milioloid	Pack	N	SP/MO		N	-
	25	-	F DOL	Calcitic	-	N	BC/MO		N	-

SAN MARCOS MONITORING WELL NO. C
THIN SECTION ANALYSIS

Sample Interval (feet)	Lithology		Major Constituents	Texture	S	Pore Type	Dolo- Moldic S	K	Comments
	%	LH DOL							
<u>GEORGETOWN FORMATION 401-432</u>									
419-425	100	LH -	Shaly/Foss.	Pack	VL -	-	_____	-	BRB's/pyrite/quartz silt
425-435	100	LH -	Shaly/Foss.	Pack	VL -	-	_____	-	BRB's/pyrite/quartz silt/ glauconite
<u>PERROW FORMATION</u>									
<u>CYCLIC, MARINE, LEACHED & COLLAPSED MEMBERS (COMBINED) 432-574</u>									
435-445	50	LH -	VF Dolomitic Foss.	Pack	L/M	NO/SP	<u>C</u>	L/M -	
	50	- VF DOL	-	-	L	BC	_____	L -	
445-457	80	LH -	Foss.	Pack	L/M/N	NO/SP	_____	L/M/N -	
	10	- VF DOL	-	-	L	BC	_____	L -	
	10	- VF DOL	Peloidal	Pack	M	NO/SP	_____	M -	
457-467	40	LH -	Foss.	Pack	L	NO/SP	_____	L -	
	30	- DOL	Calcitic	-	L	BC/NO	<u>A</u>	L -	
	30	- VF DOL	-	-	M	NO/BC	_____	M -	
467-477	50	- VF DOL	Shaly/Peloidal	Pack	L/M	NO/BC	_____	L/M -	
	30	- VF DOL	Calcitic	-	L	BC/NO	<u>A</u>	L -	
	15	LH -	VF Dolomitic	Pack	VL	-	<u>A</u>	-	Glauconite
	5	- VF DOL	Cherty	-	-	-	_____	-	-
477-489	35	LH -	VF Dolomitic	Pack	VL	-	<u>A</u>	-	-
	25	- VF DOL	-	Pack	M	NO/BC	_____	M -	
	20	- VF DOL	Calcitic	-	L	BC	<u>A</u>	L -	
	10	- VF DOL	-	Pack	VL	NO/BC	_____	VL	Dolomite in voids
	5	-	Dolomitic/Chert	-	VL	-	_____	-	-
	5	- VF DOL	Shaly	-	L	BC	_____	L -	
489-499.2	60	- VF DOL	-	Pack	L	NO/BC	<u>L</u>	L	Sometimes shaly
	40	- VF DOL	-	-	L	BC	_____	L	Sometimes shaly
499.2-509.7	80	LH -	Foss.	Pack	L/M	NO/SP	_____	L/M -	
	20	- VF DOL	Cherty	-	L	NO/BC	_____	L -	
509.7-520.3	50	- VF DOL	-	-	M	BC/NO	<u>L</u>	M -	
	40	- VF DOL	Shaly	-	L	BC	_____	L -	
	5	LH -	F/VF Dolomitic	Pack	VL	BC	<u>L</u>	VL	-
	5	- VF DOL	Calcitic	-	L	NO/BC	_____	L -	

SAN MARCOS MONITORING WELL NO. C
Page 2

Sample Interval (feet)	Lithology			Major Constituents	Texture	β	Pore Type	Dolo-Moldic β	K	Comments
	X	LM	DOL							
520.3-530.3	60	LM	-	VF Dolomitic/ Foss.	Wacke/Pack	VL	-	C	-	-
	40	-	VF DOL	Shaly	-	VL/L	-	-	-	-
530.3-540.3	70	LM	-	VF Dolomitic/ Foss.	Wacke/Pack	-	-	C	VL	Sometimes shaly
	30	-	VF DOL	-	-	L	BC	-	L	slightly calcite
540.3-551.7	100	-	VF DOL	Shaly	-	L	BC	-	L	-
551.7-561.7	25	-	VF DOL	-	-	M	BC/MO	C	M	-
	25	-	VF DOL	-	Pack	M	MO/BC	L	M	Dolomite in voids
	25	-	VF DOL	-	-	L	BC	-	L	-
	15	-	-	Dolomitic Chert	-	L	SV/V/MO	-	L	-
	10	LM	-	VF Dolomitic/ Foss.	Pack	VL	BC	C	VL	-
561.7-571.7	40	LM	-	VF Dolomitic/ Foss.	Pack	VL	BC	C	VL	Dolomite in voids
	40	-	VF DOL	-	Pack	M	MO/BC	-	M	-
	20	-	VF DOL	-	-	L	BC	-	L	-
571.7-583.7	80	-	VF DOL	Foss.	Pack	L	BC	A	L	-
	20	LM	-	Foss.	Pack	VL	BP	-	VL	-
<u>REGIONAL DENSE MEMBER 574-587</u>										
583.7-593.7	80	LM	-	Foss.	Wacke/Pack	VL	BP	-	VL	-
	20	LM	-	Peloidal	Pack/Grain	L/M	BP	-	L/M	Calcite cement
<u>KAINER FORMATION</u>										
<u>CHALKSTONE MEMBER 587-660</u>										
593.7-603.7	100	LM	-	Peloidal/ Miliolid	Pack/Grain	L	BP	-	L	Sperry calcite cement
603.7-612.6	60	LM	-	Peloidal	Pack/Grain	L/M	BP	-	L/M	Sperry calcite cement
	40	LM	-	-	Wacke/Mud	VL	BP	-	VL	-
612.6-622.6	100	LM	-	Foss.	Pack	L/M	BP/MO	-	L	-
622.6-632.6	30	LM	-	F/VF Dolomitic	Pack	M	BP/MO	A	L	-
	30	-	VF DOL	Shaly	-	M	BP	C	L	-
	30	-	F/VF DOL	-	-	L/M	BP	A	L	-
	5	LM	-	-	Pack	L	BP	-	L	-
	5	-	-	Dolomitic Chert	-	-	-	-	-	-
632.6-644.7	60	LM	-	Miliolid/ Peloidal	Pack/Grain	M	BP	-	L	Sperry calcite cement
	40	LM	-	-	Wacke/Pack	VL	BP	-	VL	-

SAN MARCOS MONITORING WELL NO. C
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Sample Interval (feet)	Lithology			Major Constituents	Texture	Ø	Pore Type	Dolo-Moldic Ø	K	Comments
	%	LN	DOL							
644.7-654.7	43	LN	-	Miliolid/Peloidal	Pack/Grain	M	BP	—	L	Sperry calcite cement
	40	LN	-	Foss.	Wacke/Pack	L	NO/BP	—	L	-
	15	-	-	Foss. Chert	-	-	-	—	-	-
<u>KIRSCHBERG & DOLOMITIC MEMBERS 660-653</u>										
654.7-664.6	75	-	VF DOL	-	Pack	M	BC/NO	<u>C</u>	M	-
	25	LN	-	F/VF Dolomitic	Pack	L/M	NO/BC	<u>C</u>	L/M	Dedolomitization
664.6-676.6	100	-	F/VF DOL	Calcitic/Cherty/Shaly	-	M/M	SC/NO	<u>A</u>	M/M	-
676.6-686.6	75	-	VF DOL	Calcitic	-	L/M	SC/NO	<u>A</u>	L/M	-
	10	-	VF DOL	-	-	L/M	SC/NO	<u>A</u>	L/M	-
	10	LN	-	F/VF Dolomitic	-	L	BP	<u>A</u>	L	-
	5	-	DOL	Cherty	-	-	-	—	-	-
686.6-696.6	30	-	VF DOL	Peloidal	Pack	M	NO/V	—	M	Dolomite in some voids
	25	-	VF DOL	Shaly/Calcitic/Cherty	Pack	VL	BC	—	VL	Dolomite in voids/calcite cement/chert cement in fractures and voids
	20	LN	-	VF Dolomitic	-	-	-	—	-	Quartz in fractures/abundant quartz
	10	-	VF DOL	-	-	M/M	SC/NO	<u>C</u>	M/M	-
	10	LN	-	F Dolomitic	-	L	BC	<u>A</u>	VL	-
	5	-	-	Dolomitic Chert	-	-	-	—	-	-
696.6-708.6	40	-	VF DOL	-	-	L	BC	<u>A</u>	L	-
	20	-	VF DOL	Calcitic/Peloidal	Pack	M	NO/BC	—	M	-
	15	LN	-	F Dolomitic	-	L	BC	<u>A</u>	L	-
	10	-	-	Dolomitic Chert	-	VL	-	—	-	-
	5	LN	-	Peloidal/Miliolid	Pack	L	BP	—	L	-
	5	-	VF DOL	-	-	L	BC	—	VL	-
708.6-718.6	25	LN	-	F Dolomitic	Pack	L	-	<u>A</u>	L	-
	25	-	-	Dolomitic Chert	-	L	-	<u>L</u>	-	-
	25	-	F/VF DOL	Calcitic	-	M	-	<u>A</u>	M	-
	25	-	F/VF DOL	-	-	M	-	<u>A</u>	M	-
718.6-728.6	100	LN	-	Foss.	Pack	L	BP	—	VL	-
728.6-739.5	50	LN	-	VF Dolomitic/Foss.	Pack	M	NO	<u>A</u>	M	-
	45	LN	-	Foss.	Pack	L	BP	—	L	-
	5	-	VF DOL	-	-	M	BC	<u>A</u>	M	-

SAN MARCOS MONITORING WELL NO. C
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Sample Interval (feet)	Lithology			Major Constituents	Texture	B	Pore Type	Dolo-Moldic B	K	Comments
	X	LN	DOL							
739.5-749.5	35	LN	-	F Dolomitic	Pack	L/M	SC	A	L/M	-
	35	-	VF DOL	Peloidal	Pack	N	NO/SC		N	-
	20	LN	-	-	Pack	L	SP		L	-
	5	-	VF DOL	-	-	L	SC		L	-
	5	-	F/VF DOL	Calcitic	-	N/M	SC	C	N/M	-
749.5-759.2	30	LN	-	F Dolomitic	-	L	NO	A	L	-
	20	-	VF DOL	Peloidal	Grain	N	NO/SC		N	-
	20	-	VF DOL	Peloidal	Pack	N	NO/SC		N	-
	20	-	VF DOL	Peloidal	Pack	VL	NO/SC		VL	-
	10	-	VF DOL	-	-	VL	SC		VL	Chert
759.5-771.5	100	LN	-	F Dolomitic/ Foss.	-	L	NO	A	L	-
771.5-781.5	40	LN	-	VF Dolomitic	Mud/Vacke	L	NO	C	L	-
	20	-	F DOL	-	-	N/M	NO/SC	C	N/M	-
	20	-	F DOL	Calcitic	-	L/M	NO/SC	C	L/M	-
	15	LN	-	F Dolomitic	-	L	NO	C	L	-
	5	-	VF DOL	-	-	VL	-		-	Quartz
781.5-791.5	90	-	VF DOL	-	-	N	NO/SC		N	-
	10	LN	-	F Dolomitic	Vacke	L	NO		L	-
791.5-803	65	LN	-	Foss.	Vacke/Pack	L/M	NO/SC		L/M	-
	15	-	VF DOL	-	-	N	NO/SC	C	N	-
	10	LN	-	F/VF Dolomitic/ Foss.	-	L	NO		L	-
	10	LN	-	Peloidal/ Miliolid	Pack/Grain	N	NO/SC		N	-
803-813	45	-	VF DOL	-	-	N	NO/SC		N	-
	40	-	VF DOL	-	Pack	N	NO/SC		N	-
	10	-	-	Dolomitic Chert	-	L	SC		L	-
	5	LN	-	F Dolomitic	-	L	NO	C	L	-
813-823	25	LN	-	Foss.	Pack	N	SP/NO		N	-
	25	-	VF DOL	-	-	N/M	SC/NO	C	N/M	-
	25	LN	-	Foss.	Vacke/Pack	L	SP		L	-
	20	LN	-	F Dolomitic	-	L	NO		L	-
	5	-	-	Dolomitic Chert	-	-	-		-	-
823-839.3	50	LN	-	VF/F Dolomitic, Foss.	-	L	NO	L	L	-
	45	-	VF DOL	-	-	N/M	NO/SC		N/M	-
	5	LN	-	Foss.	Pack	L/M	NO/SP		L	Slightly dolomitic
839.3-844.3	50	LN	-	F Dolomitic	Pack	L	NO	C	L	-
	35	-	VF DOL	-	-	N/M	SC/NO		N/M	-
	15	-	VF DOL	-	-	L/M	NO/SC		L/M	-

SAN MARCOS MONITORING WELL NO. C
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Sample Interval (feet)	Lithology			Major Constituents	Texture	Ø	Pore Type	Dolo-Moldic Ø	K	Comments
	Z	LN	DOL							
844.3-854.3	55	-	VF DOL	-	Wacke/Pack	N/L	NO	—	N/L	-
	35	-	VF DOL	-	-	L	SC	—	L	-
	10	-	VF DOL	-	-	N	NO/SC	—	N	Some calcite
854.3-866.4	25	LN	-	F/VF Dolomitic/ Foss.	Pack	L	BP	—	L	-
	25	LN	-	Foss.	Pack	L	BP	—	L	Slightly dolomitic
	25	-	VF DOL	-	-	N	SC/NO	—	N	Some calcite
	25	-	VF DOL	-	-	L	NO/SC	—	L	-
866.4-876.4	50	-	VF/F DOL	Calcitic	-	L	NO	—	L	-
	40	LN	-	F/VF Dolomitic	Pack	L	NO	—	VL	-
	10	LN	-	Foss.	Pack	L	BP	—	L	-
<u>BASAL MODULAR MEMBER 853-911</u>										
876.4-886.4	50	-	VF/F DOL	Calcitic	-	L	NO	—	L	-
	40	LN	-	F/VF Dolomitic/ Foss.	Pack	L	NO	—	VL	-
	10	LN	-	Foss.	Pack	L/N	NO/BP	—	L/N	-
886.4-897	100	LN	-	F/VF Dolomitic/ Foss.	Pack	L	NO/BP	—	L	-
897-907	60	LN	-	VF/F Dolomitic/ Foss.	Pack	VL	BP	—	VL	-
	25	-	VF DOL	-	Mud/Wacke	VL	SC/NO	—	VL	-
	10	-	VF DOL	-	Pack	N	NO/SC	—	N	-
	5	-	VF DOL	-	Pack	N	NO/SC	—	N	-
<u>GLEN ROSE FORMATION 911+</u>										
907-917	40	LN	-	Miliolid/Foss.	Pack/Grain	L	BP	—	L	Slightly dolomitic
	30	LN	-	F Dolomitic/ Foss.	Pack	VL	BP	—	VL	-
	25	-	VF/F DOL	Calcitic	-	L	SC	—	L	Dedolomitization
	5	-	VF DOL	-	Pack	N	NO/BP	—	N	-
917-920.5	50	LN	-	VF/F Dolomitic/ Foss.	Pack	VL	NO/SC	—	VL	-
	40	-	VF DOL	Calcitic	-	L	SC	—	L	-
	5	-	VF DOL	-	Pack	N	SC/NO	—	N	-
	5	LN	-	Foss.	Pack	VL	BP	—	VL	-

SAN MARCOS MONITORING WELL NO. D
THIN SECTION ANALYSIS

Sample Interval (feet)	Lithology			Major Constituents	Texture	D	Pore Type	Dolo-Moldic	K	Comments
	Z	LM	DOL					B		
<u>GEORGETOWN FORMATION</u>										
462-472	80	LM	-	Shaly/Foss.	Pack	VL	NO/BP	_____	-	BRB's/pyrite/glaucinite/quartz silt
	20	LM	-	Foss.	Pack	L/M	BP/LP	_____		L/M Miliolids
<u>PERSON FORMATION</u>										
<u>CYCLIC, MARINE, LEACHED & COLLAPSED MEMBERS (UNDIFFERENTIATED)</u>										
472-482	80	LM	-	Foss./Peloidal	Pack	L/M	NO/V/BP	_____	L/M	-
	20	-	VF DOL	-	-	L/M	BC/NO/V	<u>C</u>		L/M Shaly/calclitic
482-496	50	LM	-	Peloidal/Foss.	Pack	VL/M	NO/BP	_____	VL/M	Miliolids
	50	LM	-	Foss.	-	L/M	NO/BC	<u>A</u>	L	Dedolomitized
496-506	60	LM	-	Peloidal/Foss.	Pack/Wacke	VL/L	NO/BC/V	<u>A</u>	L	-
	15	-	VF DOL	-	-	L/M	BC/V	_____	L	-
	15	-	-	Dolomitic Chert	-	-	-	_____	-	-
	10	LM	-	Peloidal/Foss.	Pack	L	NO/LP/BP	_____	L	-
506-516	100	LM	-	VF Dolomitic Foss./Peloidal	Pack/Wacke	L	NO/BP	<u>A</u>	L	-
516-527.21	50	-	VF DOL	-	-	L/M	BC/NO	_____	L/M	-
	30	-	VF DOL	Peloidal/Foss.	Pack	L/M	NO/BC	_____	L/M	-
	20	LM	-	Peloidal/Foss.	Pack	L/M	NO/BP	_____	L/M	-
527.21-537	40	-	VF DOL	-	Pack	M	NO/BC	_____	M	-
	30	-	VF DOL	-	-	L/M	BC/NO	_____	L/M	-
	15	LM	-	Shaly/Foss.	Wacke	VL	NO	_____	VL	-
	15	LM	-	VF Dolomitic/Foss.	-	L/M	NO/V/BC	<u>C</u>	L	-
537-547	45	LM	-	VF Dolomitic/Shaly/Foss.	Wacke/Pack	VL/L	NO/BC	<u>C</u>	VL	-
	30	-	VF DOL	-	-	L/M	BC/NO	_____	L	-
	25	-	-	Dolomitic Chert	-	VL	NO	_____	VL	Shaly
547-556	70	-	VF DOL	-	-	L/M	BC/NO	_____	L	Shaly
	10	-	VF DOL	Peloidal	Pack	M	NO/BC/V	_____	M	-
	20	LM	-	VF Dolomitic/Foss.	Wacke/Pack	L	NO	_____	VL	-
556-566	60	-	VF DOL	Peloidal	Pack	L/M	BC/M	_____	L/M	-
	35	-	VF DOL	-	-	L	BC	_____	VF	Shaly
	5	-	-	Dolomitic Chert	-	-	-	_____	-	-
566-576	50	-	-	VF Dolomitic/	-	L	NO	<u>A</u>	VL	-

SAN MARCOS MONITORING WELL NO. 0

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Sample Interval (feet)	Lithology			Major Constituents	Texture	g	Pore Type	Dolo-Moldic g	K	Comments
	Z	LM	DOL							
				Peloidal/Foss.						
	20	-	VF DOL	-	-	L/M	NO/BC	A	L/M	-
	20	-	-	Dolomitic Chert	-	VL	NO		VL	-
	10	LM	-	Shaly/Foss.	Wacke	VL	NO		VL	-
576-586.6	90	LM	-	Peloidal/Foss.	Pack/Wacke	VL	NO		VL	Shaly/pyrite
	10	-	VF DOL	-	-	L	BC		VL	-
REGIONAL DENSE MEMBER										
586.6-596	85	LM	-	Peloidal/Foss.	Pack/Wacke	VL	NO		VL	-
	10	LM	-	Foss./Peloidal	Pack	L	NO		L	-
	5	-	-	Dolomitic Chert	-	VL	-		VL	-
596-601	100	LM	-	Foss./Quartz Silt	Mud/Wacke	VL	-		VL	Pyrite/shaly
KAINER FORMATION										
CHALKSTONE MEMBER										
601-615.8	40	LM	-	Foss./Peloidal	Grain	L/M	BP/VP/NO		L/M	-
	25	LM	-	-	Mud	VL	-		VL	-
	35	LM	-	Peloidal/Foss.	Pack	L	NO/BP		L	-
615.8-626	75	LM	-	Foss.	Pack	VL/L	NO/BP		VL	Shaly/pyrite
	15	LM	-	Foss./Peloidal	Grain	L/M	BP/NO		L/M	-
	5	LM	-	Peloidal/Foss.	Pack/Wacke	L	NO/BP		L	-
	5	-	-	Dolomitic Chert	-	VL	NO		VL	-
626-636	80	LM	-	VF Dolomitic/Foss./Peloidal	-	L/M	NO/BP	A	L	-
	20	-	VF DOL	-	-	M	BC/NO/V	L	M	Celestite (?)
636-648	80	LM	-	Foss./Peloidal	Grain	M	BP/M		M	-
	15	LM	-	Peloidal/Foss./VF Dolomitic	Pack	L	NO/BP	C	L	-
	5	-	-	Chert	-	VL	NO		VL	-
648-658	60	LM	-	Foss./Peloidal	Grain	L/M	NO/BP/VP		L/M	Sperry calcite
	30	LM	-	Peloidal/Foss.	Pack	L	NO/BP/VP		L	-
	10	-	VF DOL	-	-	M	NO/BC/V	L	M	-
KIRSCHBERG & DOLOMITIC MEMBERS										
658-668	90	-	VF DOL	Peloidal/Foss.	Pack/Grain	L/M	NO/BC/V	A	M	Sperry calcite in some
	5	LM	-	Foss./Peloidal	Pack	VL	BP	L	VL	-
	5	-	-	Chert	-	-	-		-	-
668-679.5	70	-	VF DOL	-	-	L	NO/BC		L	-
	25	-	F/VF DOL	-	-	M	BC/NO/V	A	M	Sperry calcite
	5	LM	-	Sperry Calcite	-	-	-		-	Void filling (?)
679.5-690	95	-	VF/F DOL	-	-	M/M	BC/V	A	M/M	Some sperry calcite and

SAN MARCOS MONITORING WELL NO. D

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Sample Interval (feet)	Lithology			Major Constituents	Texture	B	Pore Type	Dolo-Moldic g	K	Comments
	X	LM	DOL							
										celestite (?)
	5	-	-	Cherty Dolomite	-	-	-	-	-	-
690-700	90	LM	-	VF-F Dolomitic/ Foss.	Wacke	L/M	NO/BC	A	L	-
	10	-	VF DOL	-	-	M/H	V/BC/NO	L	M/H	-
700-711	50	-	VF DOL	-	-	M/H	BC/M/V	A	M/H	Some sparry calcite
	20	-	VF DOL	Peloidal	Grain	L/M	SP/BC/M	-	L/M	-
	20	-	VF DOL	-	-	VL	BC	-	VL	-
	10	LM	-	Foss./Peloidal/ VF Dolomitic	Pack/Grain	L	SP/NO	C	L	-
711-721	60	-	VF DOL	-	-	M/H	BC/NO/V	L	M/H	-
	40	LM	-	Foss./Peloidal	Pack	VL	SP	-	VL	-
721-731	80	LM	-	FV/F Dolomitic/ Foss.	-	VL/L	NO/BC	A	VL	-
	20	-	VF/F DOL	-	-	M/H	BC/M	-	M/H	Dedolomitization
731-743	60	-	VF DOL	-	-	M/H	BC/M/V	C	M/H	-
	40	LM	-	VF Dolomitic/ Peloidal/Foss.	Wacke/Pack	VL	M	C	VL	Shaly
743-753	70	LM	-	Foss./Peloidal	Pack	L	SP/NO	-	L	-
	20	-	VF DOL	-	-	L/M	BC/NO	-	L/M	-
	10	LM	-	VF Dolomitic	Mud	VL	-	-	VL	Shaly
753-763	50	LM	-	Peloidal/Foss.	Pack	L	NO/SP	L	L	Some VF DOL
	20	-	-	Foss./Peloidal	Grain	L/M	SP/NO	-	L	-
	30	-	VF DOL	-	-	M/H	BC/NO	L	M/H	-
763-774.6	90	LM	-	Foss./Peloidal VF Dolomitic	Pack	L	SP/NO	L	L	Shaly
	10	-	VF DOL	-	-	L/M	BC/NO	-	L/M	-
DRP/mar										
drp101										