PUMPING TEST DATA

Location: RTA-7M Date: 6-6-84

Pumped Well:

Depth ~400 ft. Casing To ~260 ft. Diameter 6 in.

Casing _____ to _____ ft. Diameter _____ in.

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

Q _____ gpm.

Observation Wells:

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

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

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

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

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

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

Time	Elapsed Time (t)	Manometer Reading (in.)		Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	~~Obs. 2~~	~~Obs. 3~~	~~Obs. 4~~
		in. H_2O	Q gpm		5.72	0	4.94	0
	15 sec				5.68	0.04	4.98	0.04
	30 sec				5.66	.06	5.00	0.06
	45 sec				5.66	.06	5.01	0.07
	1.0 min				5.65	.07	5.02	0.08
	1.5				5.64	.08	5.02	0.08
	2.0				5.62	.10	5.03	0.09
	2.5				5.61	.11	5.04	0.10
	3.0				5.60	.12	5.05	0.11
	3.5				5.60	.12	5.06	0.12
	4.0				5.58	.14	5.06	0.12
	4.5				5.58	.14	5.07	0.13

RTA-7M

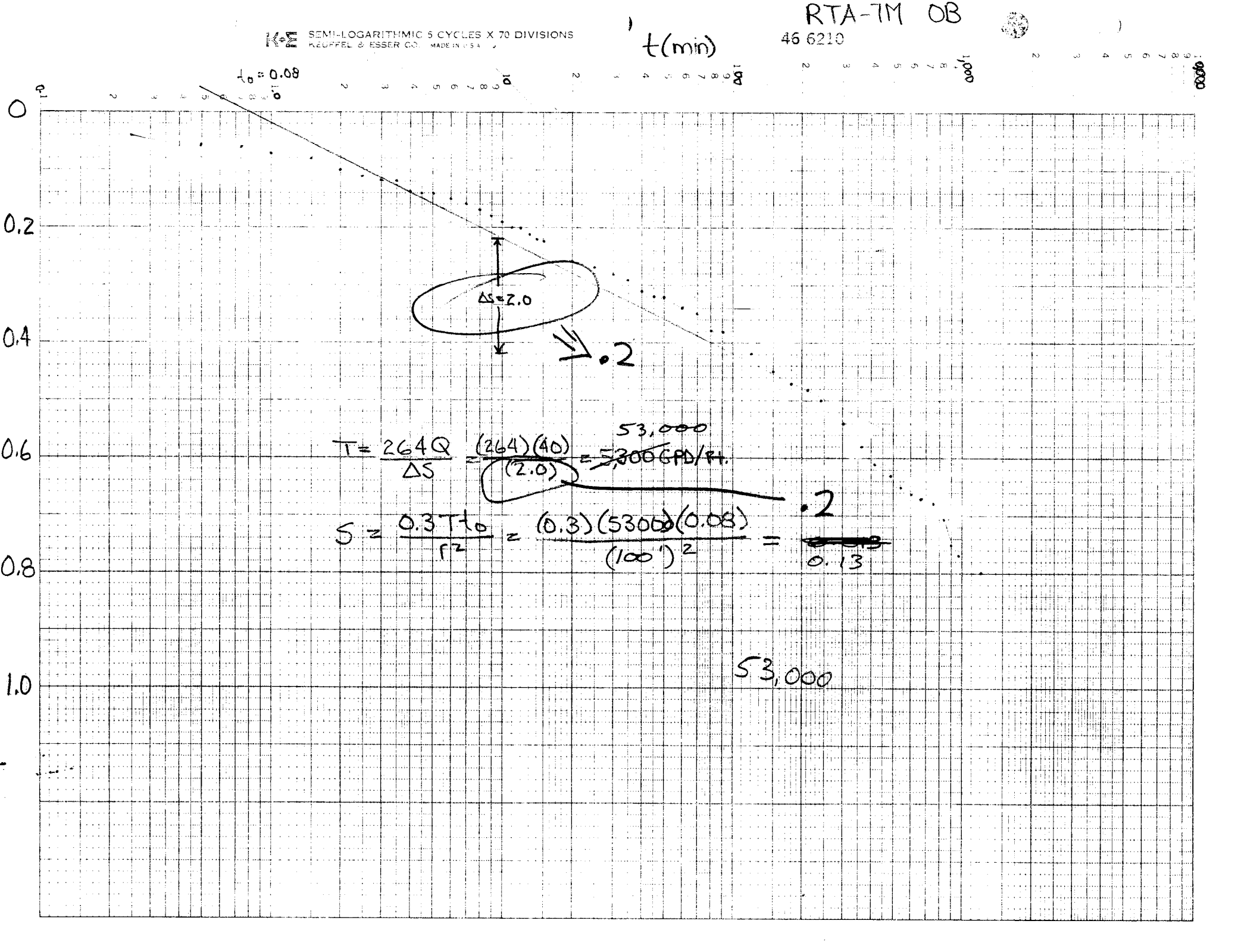
Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	~~Obs. 2~~ S	~~Obs. 3~~ RECNO	~~Obs. 4~~ S
		in.	Q					
	5				5.58	0.14	5.08	0.14
	6				5.57	0.15	5.09	0.15
	7				5.56	0.16	5.10	0.16
	8				5.55	0.17	5.10	0.16
	9				5.54	0.18	5.11	0.17
	10				5.53	0.19	5.12	0.18
	11				5.52	0.20	5.13	0.19
	12				5.52	0.20	5.13	0.19
	13				5.51	0.21	5.14	0.20
	14				5.50	0.22	5.15	0.21
	15				5.50	0.22	5.15	0.21
	17				5.46	0.26	5.18	0.24
	25				5.45	0.27	5.20	0.26
	30				5.44	0.28	5.22	0.28
	35				5.43	0.29	5.23	0.29
Man	8-11" 40				5.41	0.31	5.25	0.31
	45				5.40	0.32	5.27	0.33
	50				5.40	0.32	5.28	0.34
	60				5.38	0.34	5.30	0.36
	70				5.37	0.35	5.32	0.38
Man	8-10" 80				5.34	0.38	5.32	0.38
	90				5.34	0.38	5.34	0.40
	120				5.30	0.42	5.38	0.44
	150				5.27	0.45	5.43	0.49
	180				5.25	0.47	5.46	0.52
	210				5.24	0.48	5.48	0.54
	240				5.22	0.50	5.51	0.57
	300				5.18	0.54	5.57	0.63
	360				5.14	0.58	5.58	0.64
	420				5.11	0.61	5.60	0.66
	480				5.09	0.63	5.63	0.69
	540				5.07	0.65		

0.81

RTA-7M

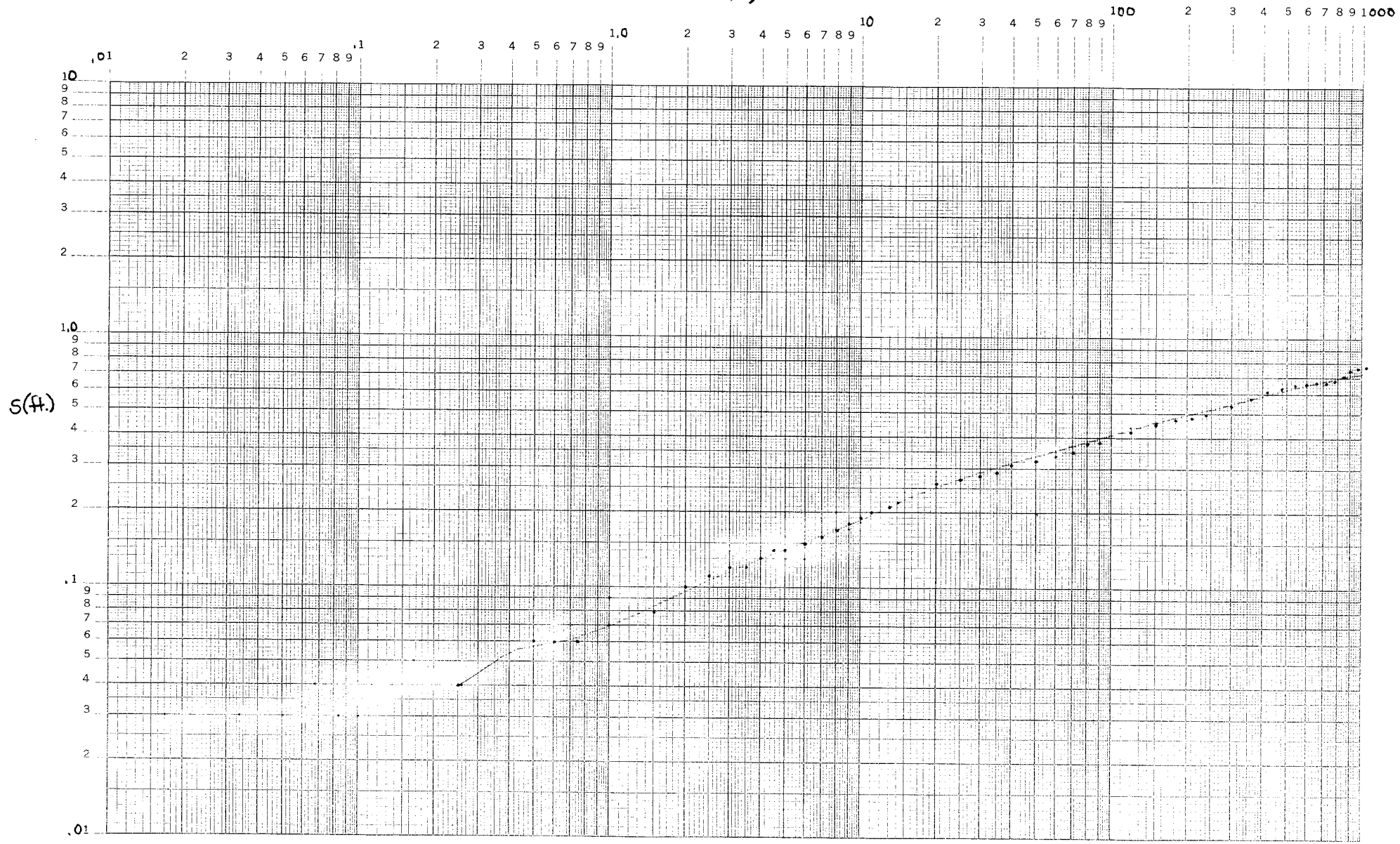
Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	~~Obs. 2~~ recovery	~~Obs. 3~~ recovery	~~Obs. 4~~
		in.	Q					
	600				5.06	0.66		
	660				5.05	0.67		
	720				5.05	0.67		
	780				5.04	0.68		
	840				5.01	0.71		
	900				4.97	0.75		
	960				4.95	0.77		
	1020			*	4.95	0.77		
	1080				4.95	0.77		
	1140				4.94	0.78		
	1200				4.94	0.78		
	~~1260~~							
	1320							
	1380							
	1440							

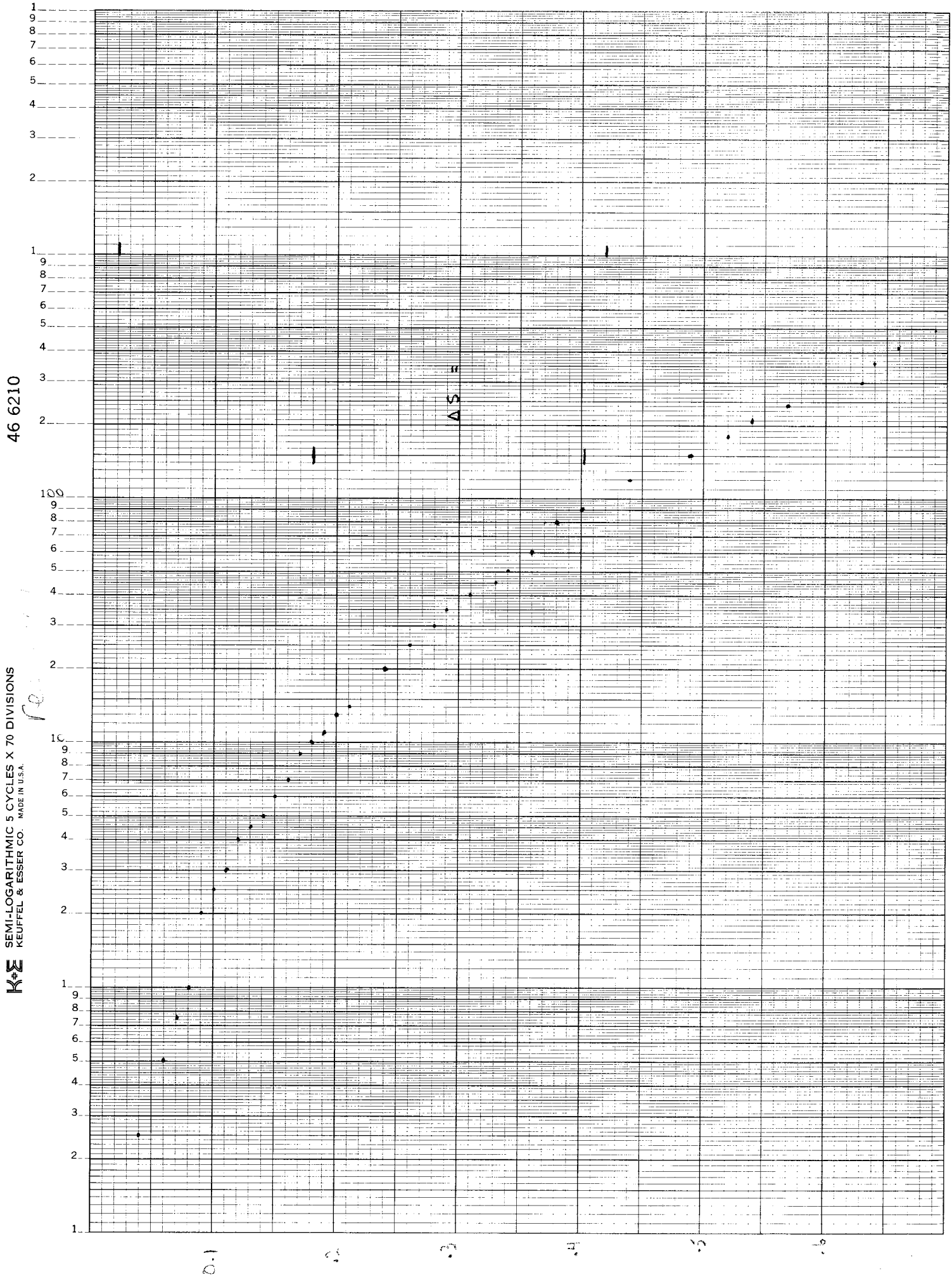
* Pumping rate began to fluctuate between 4 & 10 inches - lost constant rate.


RTA-7M OB
46 6210
SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
t (min)
$t_0 = 0.08$
0
0.2
0.4
0.6
0.8
1.0
$\Delta s = 2.0$
$\Rightarrow .2$
$T = \frac{264Q}{\Delta S} = \frac{(264)(40)}{(2.0)} = 5,300$ GPD/Ft.
53,000
.2
$S = \frac{0.3Tt_0}{r^2} = \frac{(0.3)(5300)(0.08)}{(100')^2} = 0.13$
53,000

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

RTA-7M OB
46 7522




46 6210
K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

RTA-7M GLADES CO.
Run 1
06/06/84

SE200A DATA
constant rate test

TRANSDUCER TABLE

Input 1: OBSERVATION
Transducer s/n: 38
Scale factor: 9.96
Initial level: 5.72 feet

FAST DATA

Input 2: PUMPED
Transducer s/n: 113
Scale factor: 9.96

PUMP SCHEDULE

Drawdown for 1800 min
Pump at 50 GPM

Recovery for 1440 min

SAMPLING SCHEDULE

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

_____DRAWDOWN REPORT_____

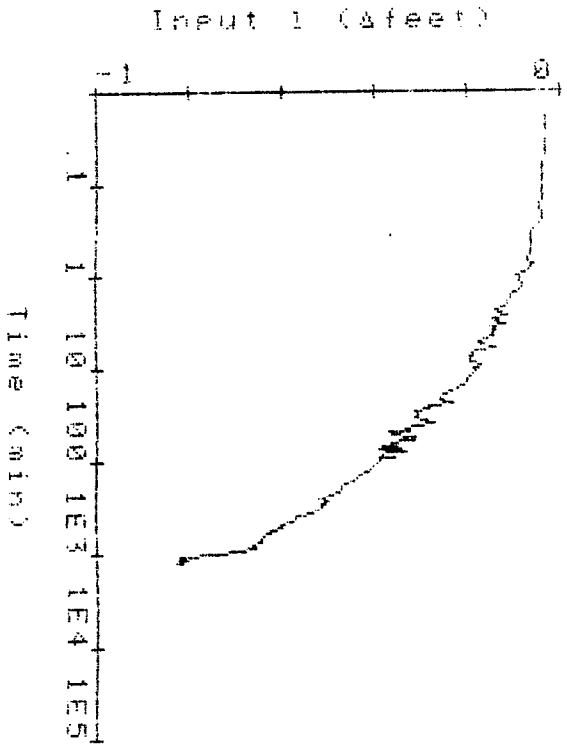
Started at 1436
Lasted 1203.9 min

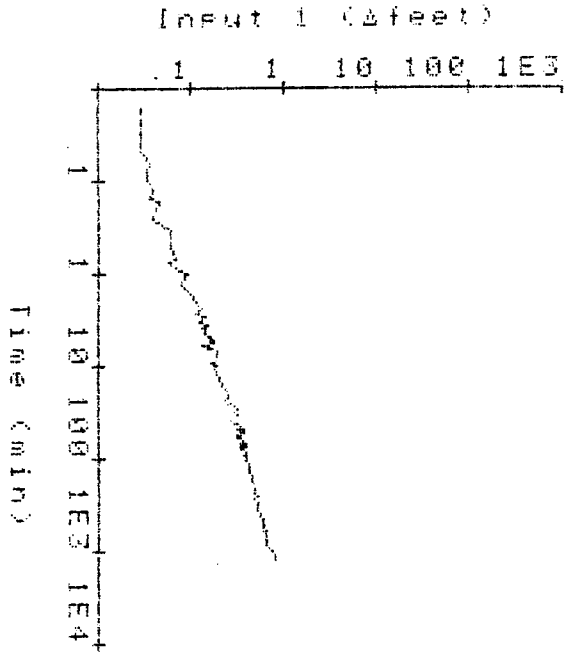
Input 1 (feet):

Time	ET (min)	level	Δlevel
1436	0.000	5.72	0.00
1436	0.017	5.75	-0.03
1436	0.034	5.75	-0.03
1436	0.050	5.75	-0.03
1436	0.067	5.76	-0.04
1436	0.084	5.75	-0.03
1436	0.100	5.75	-0.03
1436	0.117	5.76	-0.04
1436	0.134	5.76	-0.04
1436	0.150	5.76	-0.04
1436	0.167	5.77	-0.05
1437	0.257	5.76	-0.04
1437	0.340	5.78	-0.06
1437	0.424	5.78	-0.06
1437	0.507	5.78	-0.06
1437	0.590	5.78	-0.06
1437	0.674	5.79	-0.07
1437	0.757	5.78	-0.06
1437	0.840	5.79	-0.07
1437	0.924	5.80	-0.08
1437	1.007	5.81	-0.09
1438	1.375	5.80	-0.08
1438	1.708	5.82	-0.10
1438	2.041	5.83	-0.11
1439	2.375	5.86	-0.14
1439	2.708	5.83	-0.11
1439	3.041	5.86	-0.14
1440	3.375	5.84	-0.12
1440	3.708	5.87	-0.15
1440	4.041	5.86	-0.14
1441	4.375	5.86	-0.14
1441	4.708	5.88	-0.16
1441	5.041	5.88	-0.16
1442	5.375	5.90	-0.18
1442	5.708	5.90	-0.18
1442	6.041	5.85	-0.13
1443	6.375	5.90	-0.18
1443	6.708	5.90	-0.18
1443	7.041	5.91	-0.19
1444	7.375	5.91	-0.19
1444	7.708	5.91	-0.19
1444	8.041	5.92	-0.20
1445	8.375	5.92	-0.20
1445	8.708	5.91	-0.19
1445	9.041	5.89	-0.17
1446	9.375	5.90	-0.18
1446	9.708	5.91	-0.19
1446	10.041	5.90	-0.18
1448	12.121	5.91	-0.19
1450	14.121	5.92	-0.20
1452	16.121	5.94	-0.22
1454	18.122	5.96	-0.24
1456	20.122	5.98	-0.26
1458	22.122	5.98	-0.26
1500	24.122	5.95	-0.23
1502	26.122	6.00	-0.28
1504	28.122	6.00	-0.28
1510	34.122	6.03	-0.31
1512	36.122	6.02	-0.30
1514	38.122	5.99	-0.27
1516	40.120	5.99	-0.27
1518	42.122	6.03	-0.31
1520	44.122	6.05	-0.33
1522	46.122	6.05	-0.33
1524	48.120	6.05	-0.33
1526	50.122	6.09	-0.37
1528	52.122	6.07	-0.35
1530	54.122	6.07	-0.35
1532	56.122	6.05	-0.33
1534	58.122	6.03	-0.31
1536	60.122	6.03	-0.31
1538	62.122	6.05	-0.33
1540	64.120	6.09	-0.36
1542	66.122	6.08	-0.36
1544	68.122	6.07	-0.35
1546	70.122	6.08	-0.36
1548	72.122	6.10	-0.38
1550	74.108	6.11	-0.39
1553	76.522	6.06	-0.34
1554	78.058	6.05	-0.33
1556	80.088	6.06	-0.34
1558	82.088	6.10	-0.38
1600	84.088	6.10	-0.38
1602	86.088	6.10	-0.38
1604	88.088	6.10	-0.38
1606	90.088	6.09	-0.37
1608	92.088	6.08	-0.36
1610	94.088	6.09	-0.37
1612	96.088	6.11	-0.39
1614	98.088	6.11	-0.39
1616	100.090	6.10	-0.38
1637	120.260	6.13	-0.41
1657	140.250	6.15	-0.43
1717	160.250	6.16	-0.44
1737	180.250	6.18	-0.46
1757	200.250	6.19	-0.47
1817	220.250	6.20	-0.48
1837	240.250	6.21	-0.49
1857	260.250	6.24	-0.52
1917	280.250	6.22	-0.50
1937	300.250	6.23	-0.51
1957	320.250	6.23	-0.51
2017	340.250	6.24	-0.52
2037	360.250	6.26	-0.54
2057	380.250	6.27	-0.55
2117	400.250	6.29	-0.57
2137	420.250	6.29	-0.57
2157	440.250	6.30	-0.58
2217	460.250	6.31	-0.59
2237	480.250	6.31	-0.59
2257	500.250	6.32	-0.60
2317	520.250	6.33	-0.61
2337	540.230	6.32	-0.60
2357	560.230	6.34	-0.62
0017	580.230	6.34	-0.62
0037	600.230	6.34	-0.62
0057	620.230	6.35	-0.63
0117	640.230	6.35	-0.63
0137	660.230	6.36	-0.64
0157	680.230	6.37	-0.65
0217	700.230	6.36	-0.64
0237	720.230	6.37	-0.65
0257	740.230	6.37	-0.65
0317	760.230	6.37	-0.65
0337	780.230	6.37	-0.65
0357	800.230	6.38	-0.66
0417	820.230	6.38	-0.66
0437	840.230	6.38	-0.66
0457	860.230	6.39	-0.67

0557	920.230	6.41	-0.69
0617	940.230	6.42	-0.70
0636	960.150	6.43	-0.71
0656	980.150	6.44	-0.72
0717	1000.200	6.46	-0.74
0817	1060.400	6.54	-0.82
0917	1120.400	6.54	-0.82
1017	1180.300	6.52	-0.80
1040	1203.900	6.54	-0.92

Average level: 6.33



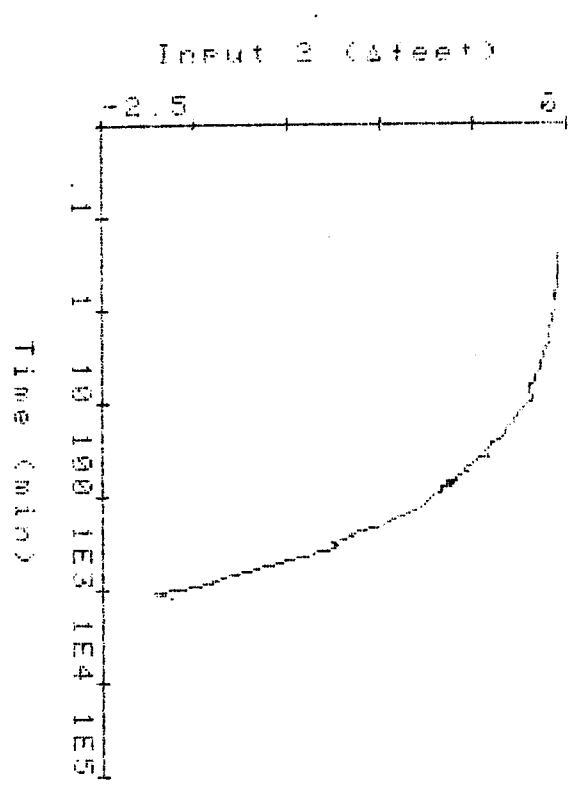


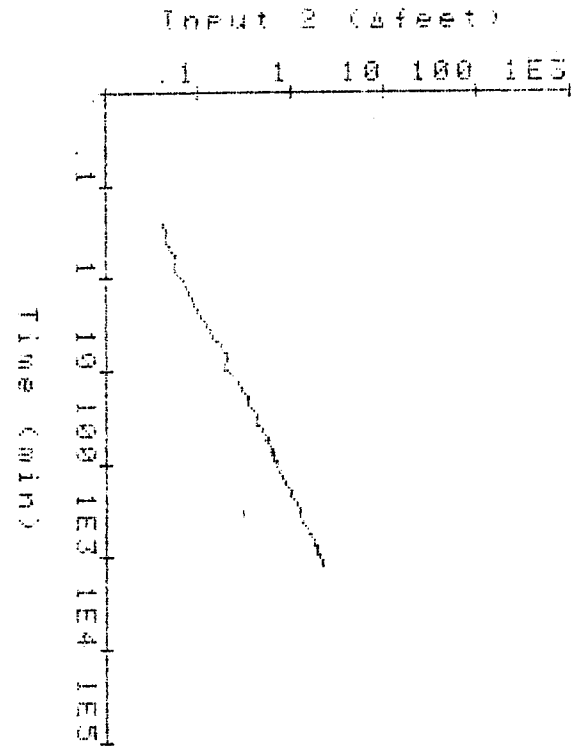
Input 2 (feet):

Time	ET (min)	level	Δlevel
1436	0.000	0.00	0.00
1437	0.257	0.04	-0.04
1437	0.340	0.05	-0.05
1437	0.424	0.05	-0.05
1437	0.507	0.05	-0.05
1437	0.590	0.05	-0.05
1437	0.674	0.06	-0.06
1437	0.757	0.06	-0.06
1437	0.840	0.06	-0.06
1437	0.924	0.06	-0.06
1437	1.007	0.07	-0.07
1438	1.375	0.07	-0.07
1438	1.708	0.09	-0.09
1438	2.041	0.09	-0.09
1439	2.375	0.10	-0.10
1439	2.708	0.11	-0.11
1439	3.041	0.12	-0.12
1440	3.375	0.12	-0.12
1440	3.708	0.13	-0.13
1440	4.041	0.14	-0.14
1441	4.375	0.15	-0.15
1441	4.708	0.15	-0.15
1441	5.041	0.16	-0.16
1442	5.375	0.17	-0.17
1442	5.708	0.18	-0.18
1442	6.041	0.18	-0.18
1443	6.375	0.19	-0.19
1443	6.708	0.20	-0.20
1443	7.041	0.20	-0.20
1444	7.375	0.21	-0.21
1444	7.708	0.21	-0.21
1444	8.041	0.20	-0.20
1445	8.375	0.19	-0.19
1445	8.708	0.19	-0.19
1445	9.041	0.19	-0.19
1446	9.375	0.19	-0.19
1446	9.708	0.19	-0.19
1446	10.041	0.20	-0.20
1448	12.121	0.25	-0.25
1450	14.121	0.27	-0.27
1452	16.121	0.28	-0.28
1454	18.122	0.32	-0.32
1456	20.122	0.33	-0.33
1458	22.122	0.33	-0.33
1500	24.122	0.34	-0.34
1502	26.122	0.37	-0.37
1504	28.122	0.40	-0.40
1506	30.122	0.41	-0.41
1508	32.122	0.42	-0.42
1510	34.122	0.44	-0.44
1512	36.122	0.42	-0.42
1514	38.122	0.42	-0.42
1516	40.120	0.47	-0.47
1518	42.122	0.49	-0.49
1520	44.122	0.50	-0.50
1522	46.122	0.50	-0.50
1524	48.120	0.51	-0.51
1526	50.122	0.53	-0.53
1528	52.122	0.55	-0.55
1530	54.122	0.55	-0.55
1532	56.122	0.53	-0.53

1540	64.120	0.60	-0.60
1542	66.122	0.59	-0.59
1544	68.122	0.59	-0.59
1546	70.122	0.62	-0.62
1548	72.122	0.64	-0.54
1550	74.108	0.63	-0.63
1553	76.522	0.61	-0.61
1554	78.058	0.62	-0.62
1556	80.088	0.65	-0.65
1558	82.088	0.67	-0.67
1600	84.088	0.67	-0.67
1602	86.088	0.67	-0.67
1604	88.088	0.67	-0.67
1606	90.088	0.67	-0.67
1608	92.088	0.68	-0.68
1610	94.088	0.70	-0.70
1612	96.088	0.71	-0.71
1614	98.088	0.72	-0.72
1616	100.090	0.71	-0.71
1637	120.260	0.77	-0.77
1657	140.260	0.83	-0.83
1717	160.250	0.89	-0.89
1737	180.250	0.93	-0.93
1757	200.250	0.99	-0.99
1817	220.250	1.03	-1.03
1837	240.250	1.11	-1.11
1857	260.250	1.17	-1.17
1917	280.250	1.16	-1.16
1937	300.250	1.21	-1.21
1957	320.250	1.26	-1.26
2017	340.250	1.23	-1.23
2037	360.250	1.25	-1.25
2057	380.250	1.30	-1.30
2117	400.250	1.34	-1.34
2137	420.250	1.37	-1.37
2157	440.250	1.41	-1.41
2217	460.250	1.46	-1.46
2237	480.250	1.49	-1.49
2257	500.250	1.51	-1.51
2317	520.250	1.54	-1.54
2337	540.230	1.56	-1.56
2357	560.230	1.60	-1.60
0017	580.230	1.64	-1.64
0037	600.230	1.67	-1.67
0057	620.230	1.69	-1.69
0117	640.230	1.72	-1.72
0137	660.230	1.74	-1.74
0157	680.230	1.78	-1.78
0217	700.230	1.79	-1.79
0237	720.230	1.81	-1.81
0257	740.230	1.82	-1.82
0317	760.230	1.85	-1.85
0337	780.230	1.88	-1.88
0357	800.230	1.91	-1.91
0417	820.230	1.91	-1.91
0437	840.230	1.91	-1.91
0457	860.230	1.92	-1.92
0517	880.230	1.95	-1.95
0537	900.230	1.97	-1.97
0557	920.230	2.01	-2.01
0617	940.230	2.01	-2.01
0636	960.150	2.03	-2.03
0656	980.150	2.06	-2.06
0717	1000.200	2.09	-2.09
0817	1060.400	2.22	-2.22
0917	1120.400	2.19	-2.19
1017	1180.300	2.17	-2.17
1040	1203.900	2.13	-2.13

Average level: 1.57



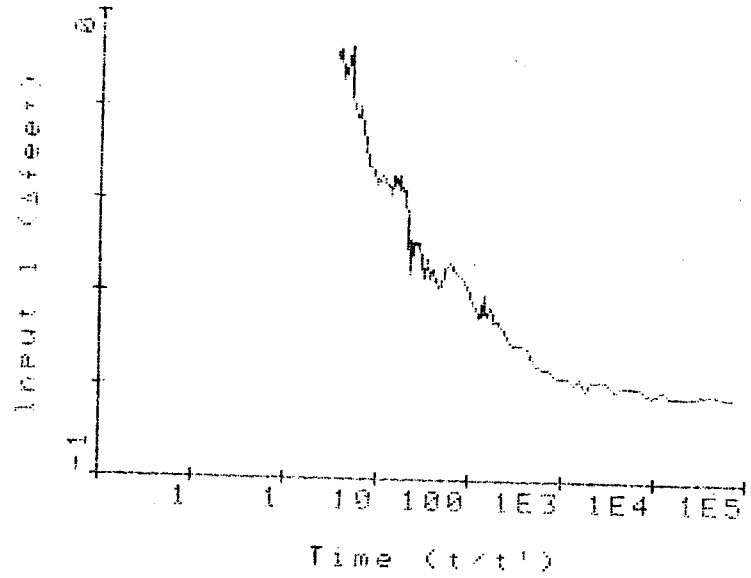


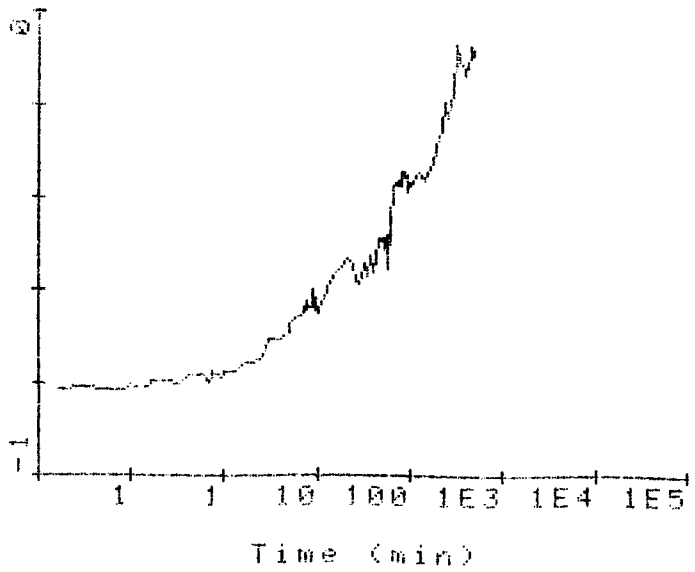
_____RECOVERY REPORT_____

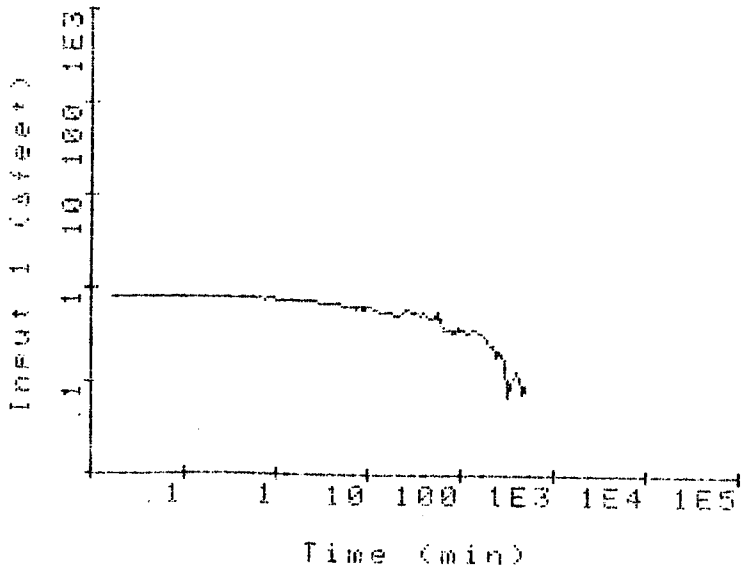
Started at 1040
Lasted 489.85 min

Input 1 (feet):

Time	ET (min)	level	Δlevel
1040	0.017	6.53	-0.61
1040	0.034	6.53	-0.61
1040	0.050	6.53	-0.61
1040	0.067	6.54	-0.62
1040	0.084	6.53	-0.61
1040	0.100	6.52	-0.60
1040	0.117	6.53	-0.61
1040	0.134	6.53	-0.61
1040	0.150	6.53	-0.61
1040	0.167	6.52	-0.60
1041	0.257	6.52	-0.60
1041	0.340	6.52	-0.60
1041	0.424	6.50	-0.78
1041	0.507	6.50	-0.78
1041	0.590	6.50	-0.78
1041	0.674	6.52	-0.90
1041	0.757	6.49	-0.77
1041	0.840	6.50	-0.78
1041	0.924	6.51	-0.79
1041	1.007	6.49	-0.77
1042	1.375	6.49	-0.77
1042	1.709	6.48	-0.76
1042	2.042	6.48	-0.76
1043	2.375	6.47	-0.75
1043	2.709	6.45	-0.73
1043	3.042	6.43	-0.71
1044	3.375	6.43	-0.71
1044	3.709	6.42	-0.70
1044	4.042	6.42	-0.70
1045	4.375	6.42	-0.70
1045	4.709	6.41	-0.69
1045	5.042	6.40	-0.68
1046	5.375	6.39	-0.67
1046	5.709	6.38	-0.66
1046	6.042	6.38	-0.66
1047	6.375	6.37	-0.65
1047	6.709	6.38	-0.66
1047	7.042	6.37	-0.65
1048	7.375	6.35	-0.63
1048	7.709	6.36	-0.64
1048	8.042	6.36	-0.64
1049	8.375	6.36	-0.64
1049	8.709	6.32	-0.60
1049	9.042	6.37	-0.65
1050	9.375	6.34	-0.62
1050	9.709	6.37	-0.65
1050	10.042	6.36	-0.64
1052	12.141	6.32	-0.60
1054	14.141	6.29	-0.57
1056	16.141	6.28	-0.56
1058	18.140	6.27	-0.55
1100	20.140	6.25	-0.53
1102	22.140	6.26	-0.54
1104	24.140	6.27	-0.55
1106	26.140	6.30	-0.58
1108	28.140	6.31	-0.59
1110	30.140	6.29	-0.57
1112	32.140	6.27	-0.55
1114	34.140	6.29	-0.57
1116	36.140	6.24	-0.52
1118	38.140	6.28	-0.56
1120	40.140	6.28	-0.56
1122	42.140	6.25	-0.53
1124	44.140	6.21	-0.49
1126	46.140	6.21	-0.49
1128	48.140	6.21	-0.49
1130	50.140	6.21	-0.49
1132	52.140	6.21	-0.49
1134	54.140	6.23	-0.51
1136	56.140	6.20	-0.48
1138	58.140	6.27	-0.55
1140	60.140	6.17	-0.45
1142	62.140	6.14	-0.42
1144	64.140	6.12	-0.40
1146	66.140	6.09	-0.37
1148	68.140	6.10	-0.38
1150	70.140	6.09	-0.37
1152	72.140	6.09	-0.37
1154	74.140	6.09	-0.37
1156	76.140	6.10	-0.38
1158	78.140	6.06	-0.34
1200	80.140	6.10	-0.38
1202	82.140	6.08	-0.36
1204	84.140	6.07	-0.35
1206	86.140	6.07	-0.35
1208	88.140	6.06	-0.34
1210	90.140	6.08	-0.36
1212	92.140	6.09	-0.37
1214	94.140	6.10	-0.38
1216	96.140	6.10	-0.38
1218	98.140	6.09	-0.37
1220	100.140	6.10	-0.38
1241	120.310	6.06	-0.34
1301	140.310	6.08	-0.36
1321	160.310	6.05	-0.33
1341	180.300	6.04	-0.32
1400	200.150	5.98	-0.26
1421	220.320	5.97	-0.25
1440	240.320	5.92	-0.20
1500	260.320	5.94	-0.22
1520	280.320	5.91	-0.19
1540	300.320	5.90	-0.18
1600	320.320	5.79	-0.07
1620	340.320	5.82	-0.10
1641	360.630	5.83	-0.11
1701	380.270	5.84	-0.12
1721	400.270	5.85	-0.13
1741	420.270	5.82	-0.10
1801	440.270	5.81	-0.09
1821	460.270	5.79	-0.07
1841	480.270	5.81	-0.09
1850	489.850	5.80	-0.08

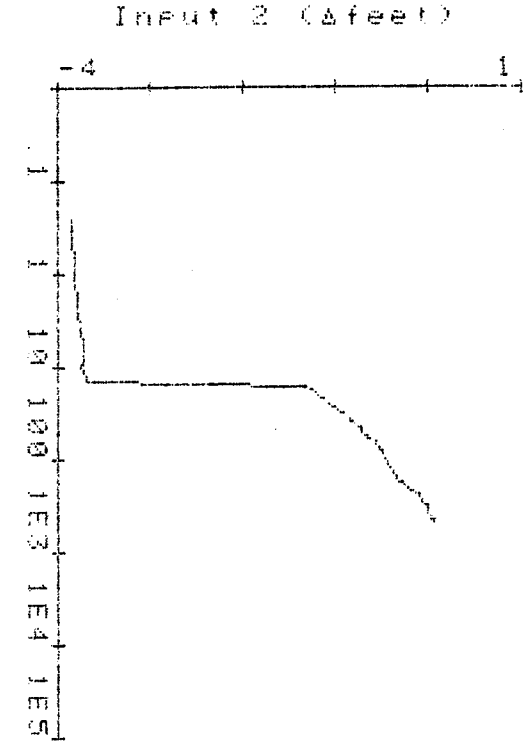

Input 1 (dfeet)
0
-1
1
1
10
100
1E3
1E4
1E5
Time (t/t')

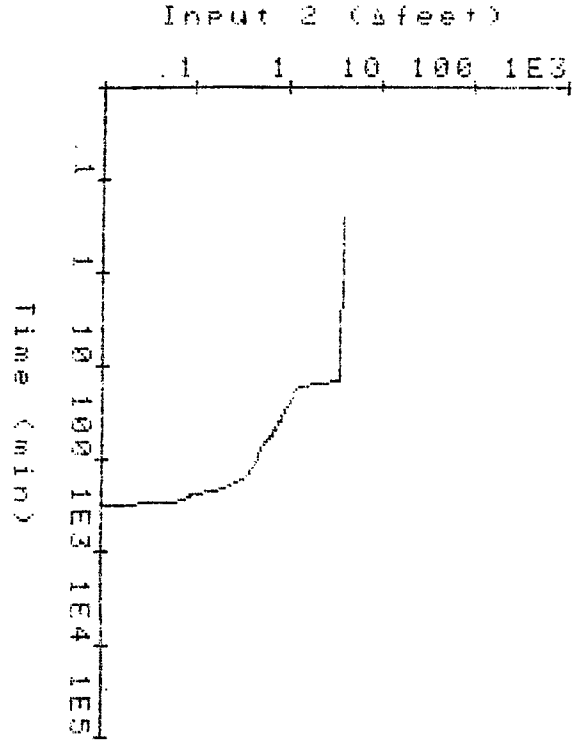

0
-1
1
1
10
100
1E3
1E4
1E5
Time (min)

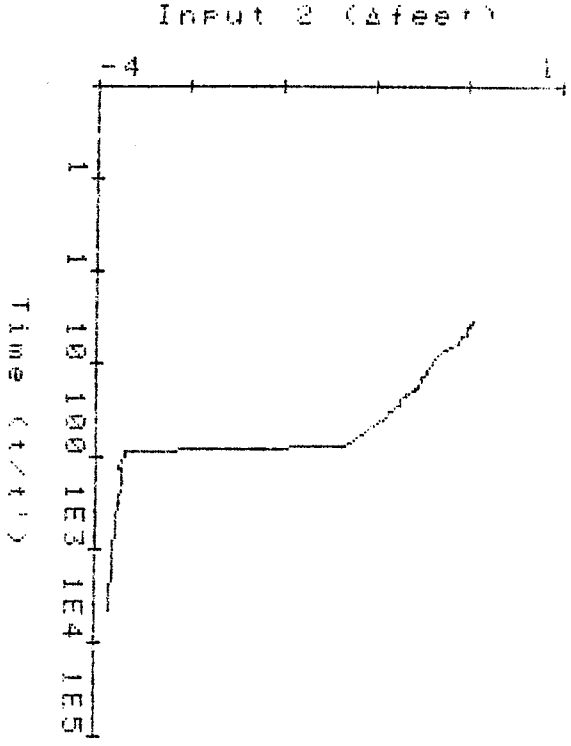

Input 1 (dfeet)
1
1
10
100
1E3
.1
1
10
100
1E3
1E4
1E5
Time (min)

Input 2 (feet):

Time	ET (min)	level	Δlevel
1041	0.257	3.83	-3.83
1041	0.340	3.83	-3.83
1041	0.424	3.83	-3.83
1041	0.507	3.83	-3.83
1041	0.590	3.83	-3.83
1041	0.674	3.83	-3.83
1041	0.757	3.82	-3.82
1041	0.840	3.82	-3.82
1041	0.924	3.82	-3.82
1041	1.007	3.82	-3.82
1042	1.375	3.80	-3.80
1042	1.709	3.79	-3.79
1042	2.042	3.79	-3.79
1043	2.375	3.79	-3.79
1043	2.709	3.78	-3.78
1043	3.042	3.77	-3.77
1044	3.375	3.76	-3.76
1044	3.709	3.76	-3.76
1044	4.042	3.76	-3.76
1045	4.375	3.75	-3.75
1045	4.709	3.74	-3.74
1045	5.042	3.73	-3.73
1046	5.375	3.72	-3.72
1046	5.709	3.72	-3.72
1046	6.042	3.72	-3.72
1047	6.375	3.72	-3.72
1047	6.709	3.72	-3.72
1047	7.042	3.72	-3.72
1048	7.375	3.71	-3.71
1048	7.709	3.72	-3.72
1048	8.042	3.72	-3.72
1049	8.375	3.72	-3.72
1049	8.709	3.72	-3.72
1049	9.042	3.73	-3.73
1050	9.375	3.74	-3.74
1050	9.709	3.74	-3.74
1050	10.042	3.74	-3.74
1052	12.141	3.70	-3.70
1054	14.141	3.68	-3.68
1056	16.141	1.31	-1.31
1058	18.140	1.26	-1.26
1100	20.140	1.19	-1.19
1102	22.140	1.13	-1.13
1104	24.140	1.09	-1.09
1106	26.140	1.06	-1.06
1108	28.140	1.01	-1.01
1110	30.140	0.95	-0.95
1112	32.140	0.90	-0.90
1114	34.140	0.87	-0.87
1116	36.140	0.85	-0.85
1118	38.140	0.85	-0.85
1120	40.140	0.82	-0.82
1122	42.140	0.79	-0.79
1124	44.140	0.76	-0.76
1126	46.140	0.73	-0.73
1128	48.140	0.72	-0.72
1130	50.140	0.73	-0.73
1132	52.140	0.72	-0.72
1134	54.140	0.71	-0.71
1136	56.140	0.68	-0.68
1138	58.140	0.67	-0.67
1140	60.140	0.65	-0.65
1142	62.140	0.62	-0.62
1144	64.140	0.60	-0.60
1146	66.140	0.58	-0.58
1148	68.140	0.57	-0.57
1150	70.140	0.56	-0.56
1152	72.140	0.56	-0.56
1154	74.140	0.53	-0.53
1156	76.140	0.53	-0.53
1158	78.140	0.52	-0.52
1200	80.140	0.52	-0.52
1202	82.140	0.51	-0.51
1204	84.140	0.49	-0.49
1206	86.140	0.49	-0.49
1208	88.140	0.49	-0.49
1210	90.140	0.49	-0.49
1212	92.140	0.49	-0.49
1214	94.140	0.50	-0.50
1216	96.140	0.49	-0.49
1218	98.140	0.47	-0.47
1220	100.140	0.48	-0.48
1241	120.310	0.41	-0.41
1301	140.310	0.38	-0.38
1321	160.310	0.34	-0.34
1341	180.300	0.28	-0.28
1400	200.150	0.21	-0.21
1421	220.320	0.17	-0.17
1440	240.320	0.09	-0.09
1500	260.320	0.09	-0.09
1520	280.320	0.07	-0.07
1540	300.320	0.06	-0.06
1600	320.320	-0.01	0.01
1620	340.320	-0.01	0.01
1641	360.630	-0.01	0.01
1701	380.270	-0.01	0.01
1721	400.270	-0.01	0.01
1741	420.270	-0.04	0.04
1801	440.270	-0.05	0.05
1821	460.270	-0.06	0.06
1841	480.270	-0.05	0.05
1850	489.850	-0.06	0.06







SE200A manufactured by
In-situ, inc.
Laramie Wyoming

PUMPING TEST DATA

Location: RTA-7M Date: 6-6-84

Pumped Well:

Depth ~400 ft. Casing To ~260 ft. Diameter 6 in.

Casing _____ to _____ ft. Diameter _____ in.

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

Q _____ gpm.

Observation Wells:

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

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

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

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

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

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

Time	Elapsed Time (t)	Manometer Reading (in.)		Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	~~Obs. 2~~	~~Obs. 3~~	~~Obs. 4~~
		in. H_2O	Q gpm		5.72	0	4.94	0
	15 sec				5.68	0.04	4.98	0.04
	30 sec				5.66	.06	5.00	0.06
	45 sec				5.66	.06	5.01	0.07
	1.0 min				5.65	.07	5.02	0.08
	1.5				5.64	.08	5.02	0.08
	2.0				5.62	.10	5.03	0.09
	2.5				5.61	.11	5.04	0.10
	3.0				5.60	.12	5.05	0.11
	3.5				5.60	.12	5.06	0.12
	4.0				5.58	.14	5.06	0.12
	4.5				5.58	.14	5.07	0.13

RTA-7M

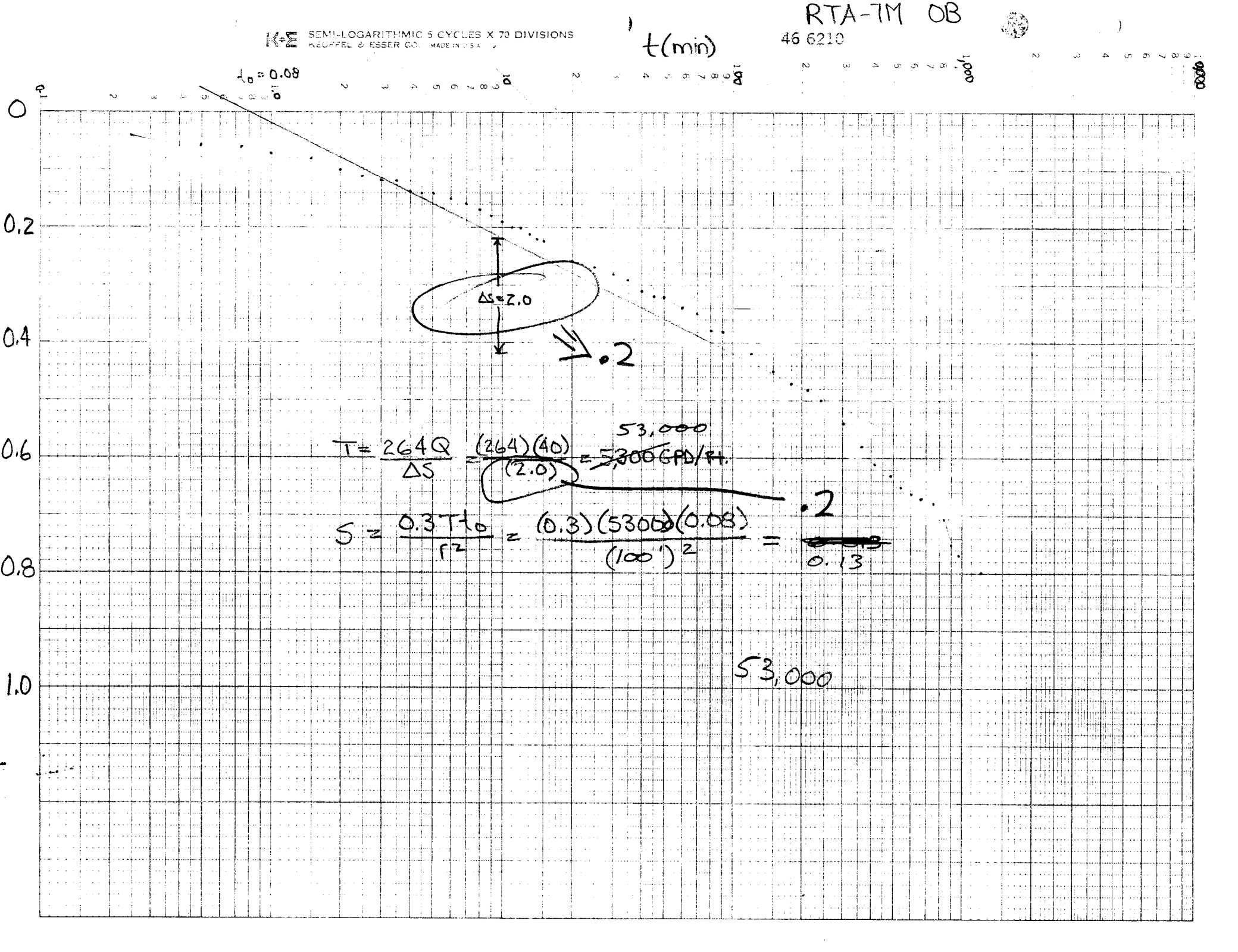
Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	~~Obs. 2~~ S	~~Obs. 3~~ RECNO	~~Obs. 4~~ S
		in.	Q					
	5				5.58	0.14	5.08	0.14
	6				5.57	0.15	5.09	0.15
	7				5.56	0.16	5.10	0.16
	8				5.55	0.17	5.10	0.16
	9				5.54	0.18	5.11	0.17
	10				5.53	0.19	5.12	0.18
	11				5.52	0.20	5.13	0.19
	12				5.52	0.20	5.13	0.19
	13				5.51	0.21	5.14	0.20
	14				5.50	0.22	5.15	0.21
	15				5.50	0.22	5.15	0.21
	17				5.46	0.26	5.18	0.24
	25				5.45	0.27	5.20	0.26
	30				5.44	0.28	5.22	0.28
	35				5.43	0.29	5.23	0.29
Man	8-11" 40				5.41	0.31	5.25	0.31
	45				5.40	0.32	5.27	0.33
	50				5.40	0.32	5.28	0.34
	60				5.38	0.34	5.30	0.36
	70				5.37	0.35	5.32	0.38
Man	8-10" 80				5.34	0.38	5.32	0.38
	90				5.34	0.38	5.34	0.40
	120				5.30	0.42	5.38	0.44
	150				5.27	0.45	5.43	0.49
	180				5.25	0.47	5.46	0.52
	210				5.24	0.48	5.48	0.54
	240				5.22	0.50	5.51	0.57
	300				5.18	0.54	5.57	0.63
	360				5.14	0.58	5.58	0.64
	420				5.11	0.61	5.60	0.66
	480				5.09	0.63	5.63	0.69
	540				5.07	0.65		

0.81

RTA-7M

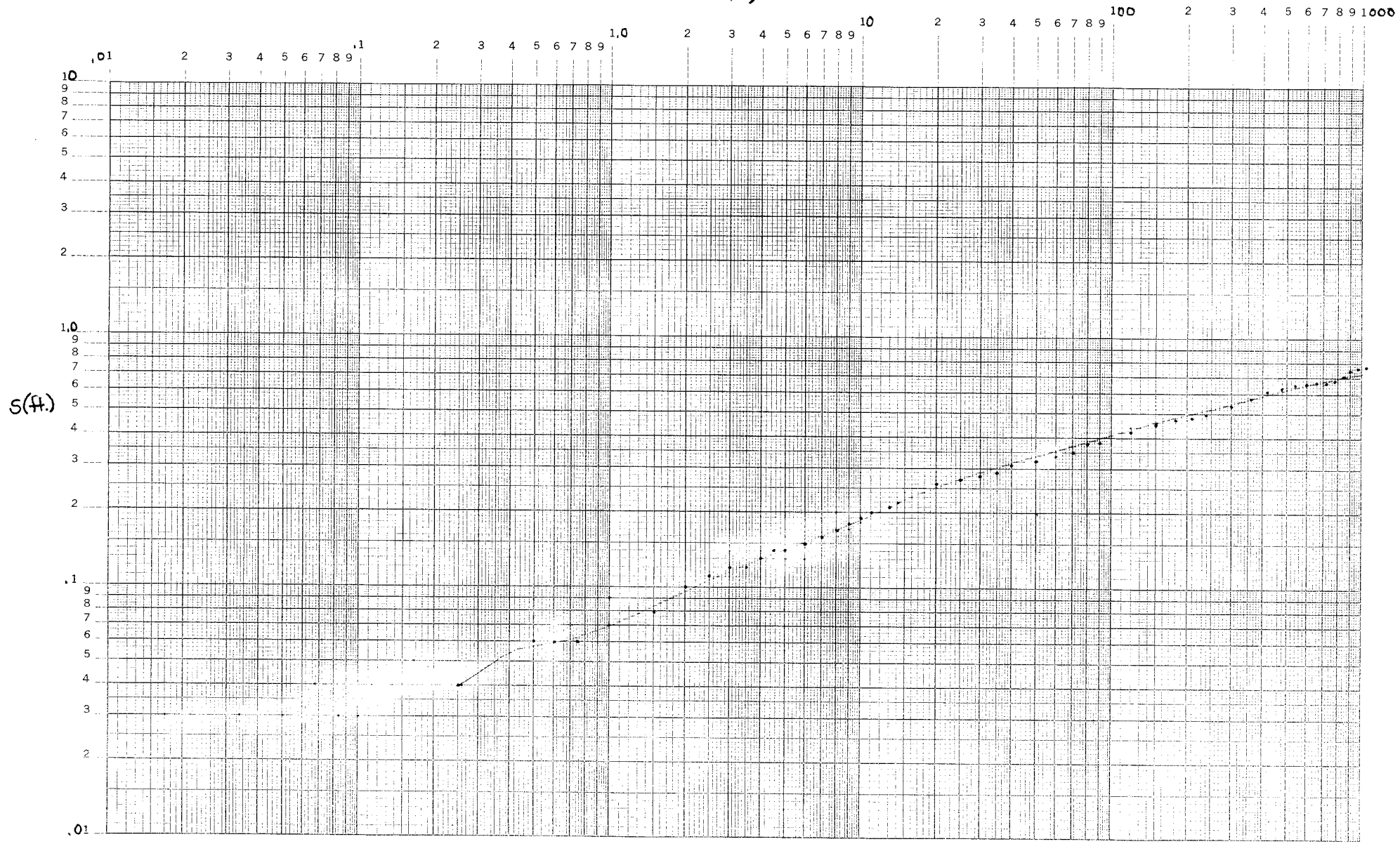
Time	Elapsed Time (t)	Manometer Reading (in.)	gpm	Drawdown or Recovery (ft.)				
				Pumped	Obs. 1	~~Obs. 2~~ recovery	~~Obs. 3~~ recovery	~~Obs. 4~~
		in.	Q					
	600				5.06	0.66		
	660				5.05	0.67		
	720				5.05	0.67		
	780				5.04	0.68		
	840				5.01	0.71		
	900				4.97	0.75		
	960				4.95	0.77		
	1020			*	4.95	0.77		
	1080				4.95	0.77		
	1140				4.94	0.78		
	1200				4.94	0.78		
	~~1260~~							
	1320							
	1380							
	1440							

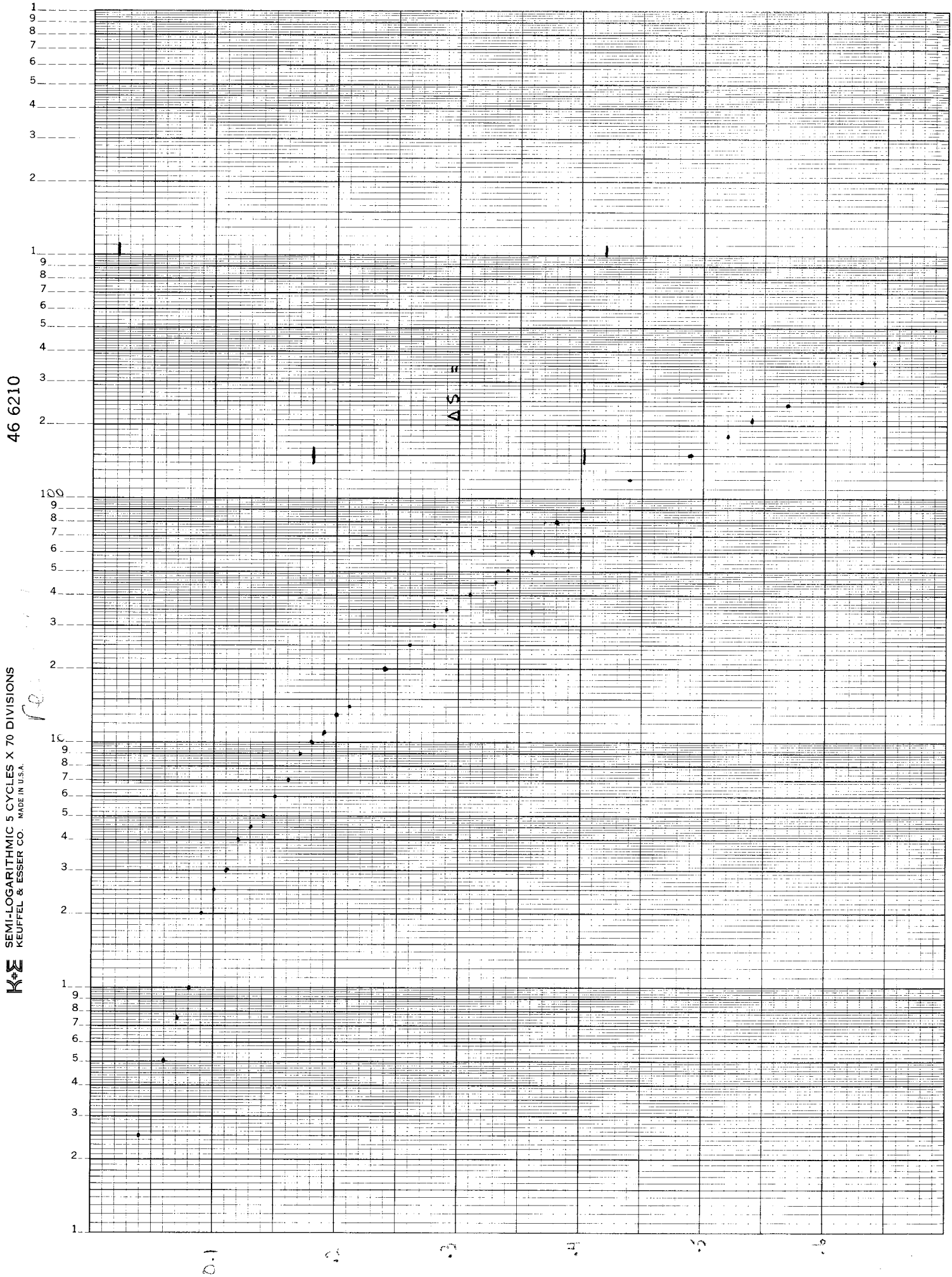
* Pumping rate began to fluctuate between 4 & 10 inches - lost constant rate.


RTA-7M OB
46 6210
SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
t (min)
$t_0 = 0.08$
0
0.2
0.4
0.6
0.8
1.0
$\Delta s = 2.0$
$\Rightarrow .2$
$T = \frac{264Q}{\Delta S} = \frac{(264)(40)}{(2.0)} = 5,300$ GPD/Ft.
53,000
.2
$S = \frac{0.3Tt_0}{r^2} = \frac{(0.3)(5300)(0.08)}{(100')^2} = 0.13$
53,000

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

RTA-7M OB
46 7522




46 6210
K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

RTA-7M GLADES CO.
Run 1
06/06/84

SE200A DATA
constant rate test

TRANSDUCER TABLE

Input 1: OBSERVATION
Transducer s/n: 38
Scale factor: 9.96
Initial level: 5.72 feet

FAST DATA

Input 2: PUMPED
Transducer s/n: 113
Scale factor: 9.96

PUMP SCHEDULE

Drawdown for 1800 min
Pump at 50 GPM

Recovery for 1440 min

SAMPLING SCHEDULE

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

_____DRAWDOWN REPORT_____

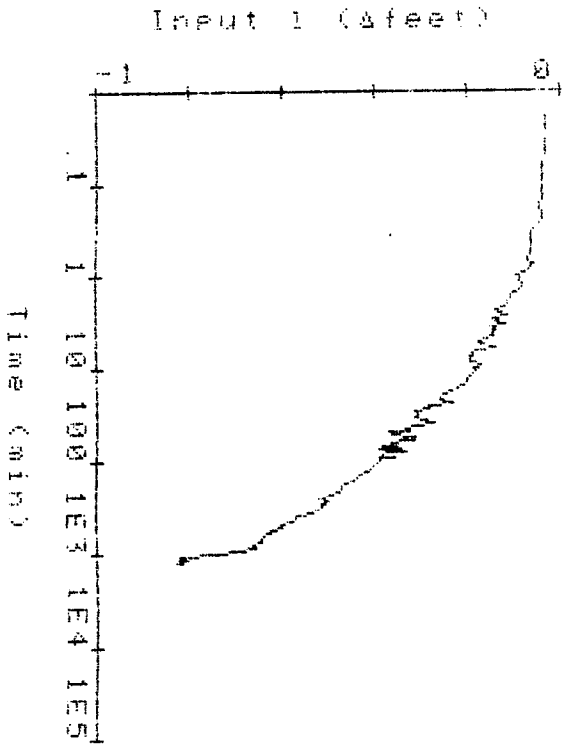
Started at 1436
Lasted 1203.9 min

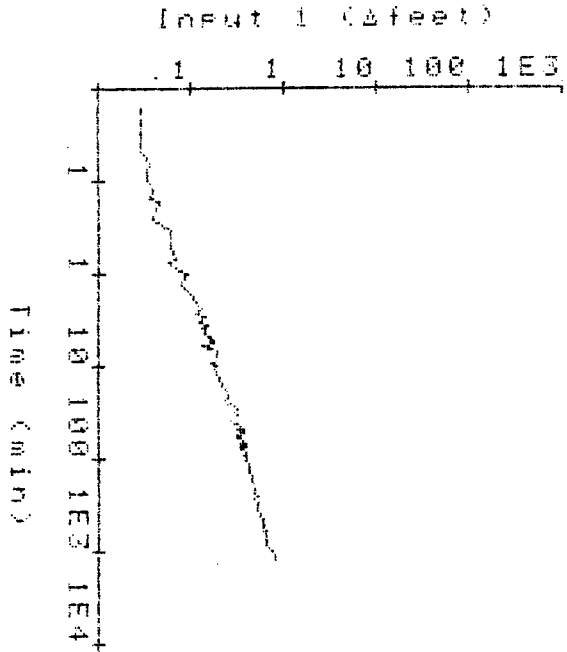
Input 1 (feet):

Time	ET (min)	level	Δlevel
1436	0.000	5.72	0.00
1436	0.017	5.75	-0.03
1436	0.034	5.75	-0.03
1436	0.050	5.75	-0.03
1436	0.067	5.76	-0.04
1436	0.084	5.75	-0.03
1436	0.100	5.75	-0.03
1436	0.117	5.76	-0.04
1436	0.134	5.76	-0.04
1436	0.150	5.76	-0.04
1436	0.167	5.77	-0.05
1437	0.257	5.76	-0.04
1437	0.340	5.78	-0.06
1437	0.424	5.78	-0.06
1437	0.507	5.78	-0.06
1437	0.590	5.78	-0.06
1437	0.674	5.79	-0.07
1437	0.757	5.78	-0.06
1437	0.840	5.79	-0.07
1437	0.924	5.80	-0.08
1437	1.007	5.81	-0.09
1438	1.375	5.80	-0.08
1438	1.708	5.82	-0.10
1438	2.041	5.83	-0.11
1439	2.375	5.86	-0.14
1439	2.708	5.83	-0.11
1439	3.041	5.86	-0.14
1440	3.375	5.84	-0.12
1440	3.708	5.87	-0.15
1440	4.041	5.86	-0.14
1441	4.375	5.86	-0.14
1441	4.708	5.88	-0.16
1441	5.041	5.88	-0.16
1442	5.375	5.90	-0.18
1442	5.708	5.90	-0.18
1442	6.041	5.85	-0.13
1443	6.375	5.90	-0.18
1443	6.708	5.90	-0.18
1443	7.041	5.91	-0.19
1444	7.375	5.91	-0.19
1444	7.708	5.91	-0.19
1444	8.041	5.92	-0.20
1445	8.375	5.92	-0.20
1445	8.708	5.91	-0.19
1445	9.041	5.89	-0.17
1446	9.375	5.90	-0.18
1446	9.708	5.91	-0.19
1446	10.041	5.90	-0.18
1448	12.121	5.91	-0.19
1450	14.121	5.92	-0.20
1452	16.121	5.94	-0.22
1454	18.122	5.96	-0.24
1456	20.122	5.98	-0.26
1458	22.122	5.98	-0.26
1500	24.122	5.95	-0.23
1502	26.122	6.00	-0.28
1504	28.122	6.00	-0.28
1510	34.122	6.03	-0.31
1512	36.122	6.02	-0.30
1514	38.122	5.99	-0.27
1516	40.120	5.99	-0.27
1518	42.122	6.03	-0.31
1520	44.122	6.05	-0.33
1522	46.122	6.05	-0.33
1524	48.120	6.05	-0.33
1526	50.122	6.09	-0.37
1528	52.122	6.07	-0.35
1530	54.122	6.07	-0.35
1532	56.122	6.05	-0.33
1534	58.122	6.03	-0.31
1536	60.122	6.03	-0.31
1538	62.122	6.05	-0.33
1540	64.120	6.09	-0.36
1542	66.122	6.08	-0.36
1544	68.122	6.07	-0.35
1546	70.122	6.08	-0.36
1548	72.122	6.10	-0.38
1550	74.108	6.11	-0.39
1553	76.522	6.06	-0.34
1554	78.058	6.05	-0.33
1556	80.088	6.06	-0.34
1558	82.088	6.10	-0.38
1600	84.088	6.10	-0.38
1602	86.088	6.10	-0.38
1604	88.088	6.10	-0.38
1606	90.088	6.09	-0.37
1608	92.088	6.08	-0.36
1610	94.088	6.09	-0.37
1612	96.088	6.11	-0.39
1614	98.088	6.11	-0.39
1616	100.090	6.10	-0.38
1637	120.260	6.13	-0.41
1657	140.250	6.15	-0.43
1717	160.250	6.16	-0.44
1737	180.250	6.18	-0.46
1757	200.250	6.19	-0.47
1817	220.250	6.20	-0.48
1837	240.250	6.21	-0.49
1857	260.250	6.24	-0.52
1917	280.250	6.22	-0.50
1937	300.250	6.23	-0.51
1957	320.250	6.23	-0.51
2017	340.250	6.24	-0.52
2037	360.250	6.26	-0.54
2057	380.250	6.27	-0.55
2117	400.250	6.29	-0.57
2137	420.250	6.29	-0.57
2157	440.250	6.30	-0.58
2217	460.250	6.31	-0.59
2237	480.250	6.31	-0.59
2257	500.250	6.32	-0.60
2317	520.250	6.33	-0.61
2337	540.230	6.32	-0.60
2357	560.230	6.34	-0.62
0017	580.230	6.34	-0.62
0037	600.230	6.34	-0.62
0057	620.230	6.35	-0.63
0117	640.230	6.35	-0.63
0137	660.230	6.36	-0.64
0157	680.230	6.37	-0.65
0217	700.230	6.36	-0.64
0237	720.230	6.37	-0.65
0257	740.230	6.37	-0.65
0317	760.230	6.37	-0.65
0337	780.230	6.37	-0.65
0357	800.230	6.38	-0.66
0417	820.230	6.38	-0.66
0437	840.230	6.38	-0.66
0457	860.230	6.39	-0.67

0557	920.230	6.41	-0.69
0617	940.230	6.42	-0.70
0636	960.150	6.43	-0.71
0656	980.150	6.44	-0.72
0717	1000.200	6.46	-0.74
0817	1060.400	6.54	-0.82
0917	1120.400	6.54	-0.82
1017	1180.300	6.52	-0.80
1040	1203.900	6.54	-0.92

Average level: 6.33



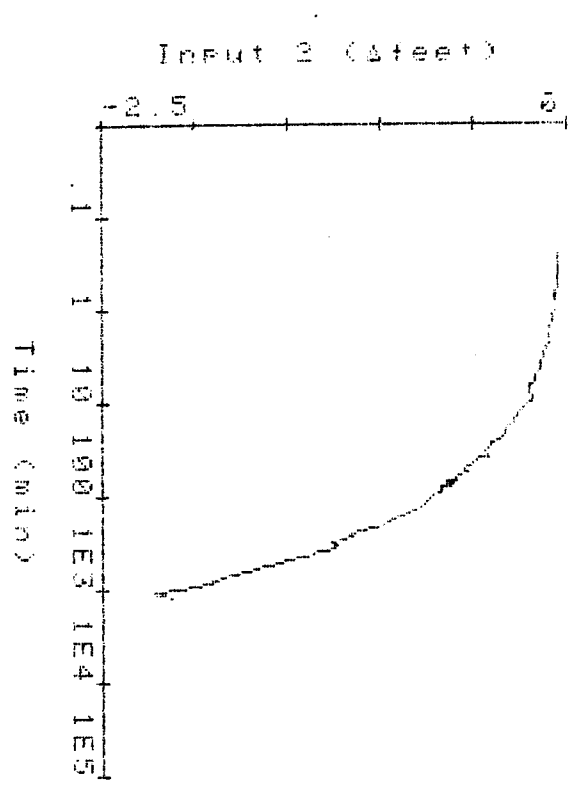


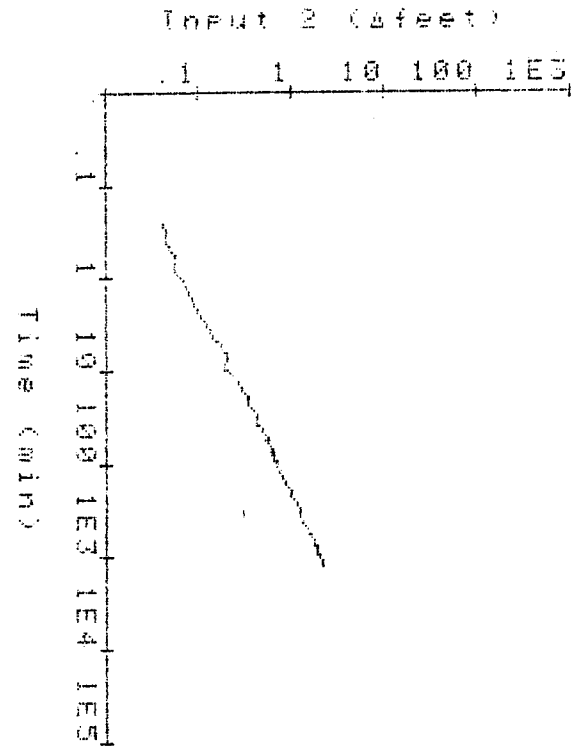
Input 2 (feet):

Time	ET (min)	level	Δlevel
1436	0.000	0.00	0.00
1437	0.257	0.04	-0.04
1437	0.340	0.05	-0.05
1437	0.424	0.05	-0.05
1437	0.507	0.05	-0.05
1437	0.590	0.05	-0.05
1437	0.674	0.06	-0.06
1437	0.757	0.06	-0.06
1437	0.840	0.06	-0.06
1437	0.924	0.06	-0.06
1437	1.007	0.07	-0.07
1438	1.375	0.07	-0.07
1438	1.708	0.09	-0.09
1438	2.041	0.09	-0.09
1439	2.375	0.10	-0.10
1439	2.708	0.11	-0.11
1439	3.041	0.12	-0.12
1440	3.375	0.12	-0.12
1440	3.708	0.13	-0.13
1440	4.041	0.14	-0.14
1441	4.375	0.15	-0.15
1441	4.708	0.15	-0.15
1441	5.041	0.16	-0.16
1442	5.375	0.17	-0.17
1442	5.708	0.18	-0.18
1442	6.041	0.18	-0.18
1443	6.375	0.19	-0.19
1443	6.708	0.20	-0.20
1443	7.041	0.20	-0.20
1444	7.375	0.21	-0.21
1444	7.708	0.21	-0.21
1444	8.041	0.20	-0.20
1445	8.375	0.19	-0.19
1445	8.708	0.19	-0.19
1445	9.041	0.19	-0.19
1446	9.375	0.19	-0.19
1446	9.708	0.19	-0.19
1446	10.041	0.20	-0.20
1448	12.121	0.25	-0.25
1450	14.121	0.27	-0.27
1452	16.121	0.28	-0.28
1454	18.122	0.32	-0.32
1456	20.122	0.33	-0.33
1458	22.122	0.33	-0.33
1500	24.122	0.34	-0.34
1502	26.122	0.37	-0.37
1504	28.122	0.40	-0.40
1506	30.122	0.41	-0.41
1508	32.122	0.42	-0.42
1510	34.122	0.44	-0.44
1512	36.122	0.42	-0.42
1514	38.122	0.42	-0.42
1516	40.120	0.47	-0.47
1518	42.122	0.49	-0.49
1520	44.122	0.50	-0.50
1522	46.122	0.50	-0.50
1524	48.120	0.51	-0.51
1526	50.122	0.53	-0.53
1528	52.122	0.55	-0.55
1530	54.122	0.55	-0.55
1532	56.122	0.53	-0.53

1540	64.120	0.60	-0.60
1542	66.122	0.59	-0.59
1544	68.122	0.59	-0.59
1546	70.122	0.62	-0.62
1548	72.122	0.64	-0.54
1550	74.108	0.63	-0.63
1553	76.522	0.61	-0.61
1554	78.058	0.62	-0.62
1556	80.088	0.65	-0.65
1558	82.088	0.67	-0.67
1600	84.088	0.67	-0.67
1602	86.088	0.67	-0.67
1604	88.088	0.67	-0.67
1606	90.088	0.67	-0.67
1608	92.088	0.68	-0.68
1610	94.088	0.70	-0.70
1612	96.088	0.71	-0.71
1614	98.088	0.72	-0.72
1616	100.090	0.71	-0.71
1637	120.260	0.77	-0.77
1657	140.260	0.83	-0.83
1717	160.250	0.89	-0.89
1737	180.250	0.93	-0.93
1757	200.250	0.99	-0.99
1817	220.250	1.03	-1.03
1837	240.250	1.11	-1.11
1857	260.250	1.17	-1.17
1917	280.250	1.16	-1.16
1937	300.250	1.21	-1.21
1957	320.250	1.26	-1.26
2017	340.250	1.23	-1.23
2037	360.250	1.25	-1.25
2057	380.250	1.30	-1.30
2117	400.250	1.34	-1.34
2137	420.250	1.37	-1.37
2157	440.250	1.41	-1.41
2217	460.250	1.46	-1.46
2237	480.250	1.49	-1.49
2257	500.250	1.51	-1.51
2317	520.250	1.54	-1.54
2337	540.230	1.56	-1.56
2357	560.230	1.60	-1.60
0017	580.230	1.64	-1.64
0037	600.230	1.67	-1.67
0057	620.230	1.69	-1.69
0117	640.230	1.72	-1.72
0137	660.230	1.74	-1.74
0157	680.230	1.78	-1.78
0217	700.230	1.79	-1.79
0237	720.230	1.81	-1.81
0257	740.230	1.82	-1.82
0317	760.230	1.85	-1.85
0337	780.230	1.88	-1.88
0357	800.230	1.91	-1.91
0417	820.230	1.91	-1.91
0437	840.230	1.91	-1.91
0457	860.230	1.92	-1.92
0517	880.230	1.95	-1.95
0537	900.230	1.97	-1.97
0557	920.230	2.01	-2.01
0617	940.230	2.01	-2.01
0636	960.150	2.03	-2.03
0656	980.150	2.06	-2.06
0717	1000.200	2.09	-2.09
0817	1060.400	2.22	-2.22
0917	1120.400	2.19	-2.19
1017	1180.300	2.17	-2.17
1040	1203.900	2.13	-2.13

Average level: 1.57



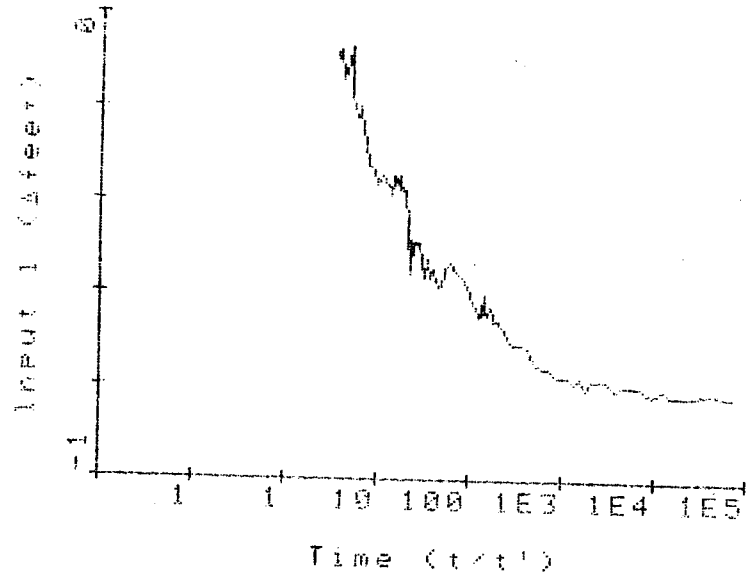


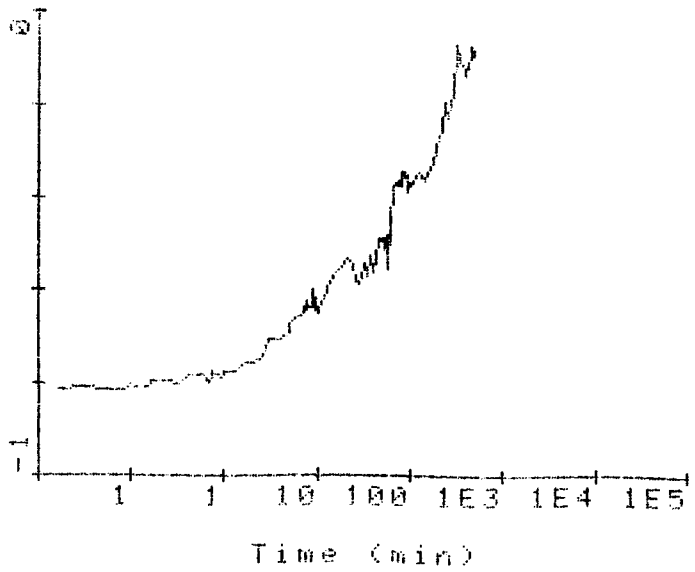
_____RECOVERY REPORT_____

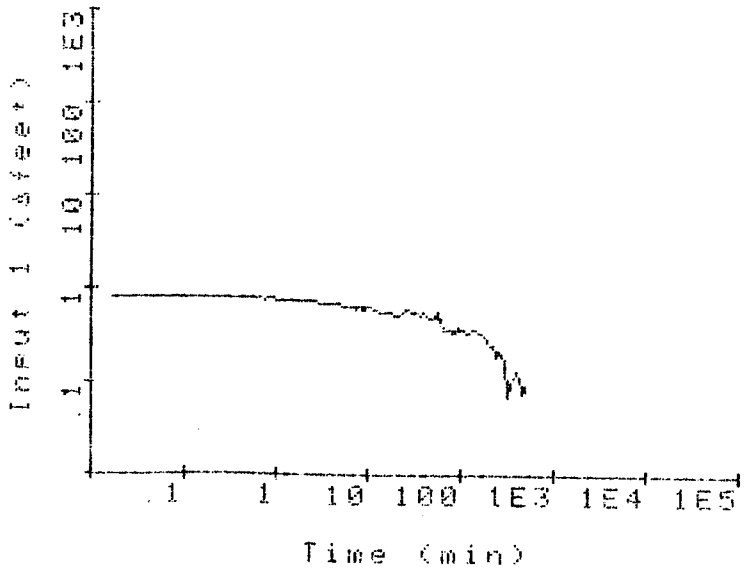
Started at 1040
Lasted 489.85 min

Input 1 (feet):

Time	ET (min)	level	Δlevel
1040	0.017	6.53	-0.61
1040	0.034	6.53	-0.61
1040	0.050	6.53	-0.61
1040	0.067	6.54	-0.62
1040	0.084	6.53	-0.61
1040	0.100	6.52	-0.60
1040	0.117	6.53	-0.61
1040	0.134	6.53	-0.61
1040	0.150	6.53	-0.61
1040	0.167	6.52	-0.60
1041	0.257	6.52	-0.60
1041	0.340	6.52	-0.60
1041	0.424	6.50	-0.78
1041	0.507	6.50	-0.78
1041	0.590	6.50	-0.78
1041	0.674	6.52	-0.90
1041	0.757	6.49	-0.77
1041	0.840	6.50	-0.78
1041	0.924	6.51	-0.79
1041	1.007	6.49	-0.77
1042	1.375	6.49	-0.77
1042	1.709	6.48	-0.76
1042	2.042	6.48	-0.76
1043	2.375	6.47	-0.75
1043	2.709	6.45	-0.73
1043	3.042	6.43	-0.71
1044	3.375	6.43	-0.71
1044	3.709	6.42	-0.70
1044	4.042	6.42	-0.70
1045	4.375	6.42	-0.70
1045	4.709	6.41	-0.69
1045	5.042	6.40	-0.68
1046	5.375	6.39	-0.67
1046	5.709	6.38	-0.66
1046	6.042	6.38	-0.66
1047	6.375	6.37	-0.65
1047	6.709	6.38	-0.66
1047	7.042	6.37	-0.65
1048	7.375	6.35	-0.63
1048	7.709	6.36	-0.64
1048	8.042	6.36	-0.64
1049	8.375	6.36	-0.64
1049	8.709	6.32	-0.60
1049	9.042	6.37	-0.65
1050	9.375	6.34	-0.62
1050	9.709	6.37	-0.65
1050	10.042	6.36	-0.64
1052	12.141	6.32	-0.60
1054	14.141	6.29	-0.57
1056	16.141	6.28	-0.56
1058	18.140	6.27	-0.55
1100	20.140	6.25	-0.53
1102	22.140	6.26	-0.54
1104	24.140	6.27	-0.55
1106	26.140	6.30	-0.58
1108	28.140	6.31	-0.59
1110	30.140	6.29	-0.57
1112	32.140	6.27	-0.55
1114	34.140	6.29	-0.57
1116	36.140	6.24	-0.52
1118	38.140	6.28	-0.56
1120	40.140	6.28	-0.56
1122	42.140	6.25	-0.53
1124	44.140	6.21	-0.49
1126	46.140	6.21	-0.49
1128	48.140	6.21	-0.49
1130	50.140	6.21	-0.49
1132	52.140	6.21	-0.49
1134	54.140	6.23	-0.51
1136	56.140	6.20	-0.48
1138	58.140	6.27	-0.55
1140	60.140	6.17	-0.45
1142	62.140	6.14	-0.42
1144	64.140	6.12	-0.40
1146	66.140	6.09	-0.37
1148	68.140	6.10	-0.38
1150	70.140	6.09	-0.37
1152	72.140	6.09	-0.37
1154	74.140	6.09	-0.37
1156	76.140	6.10	-0.38
1158	78.140	6.06	-0.34
1200	80.140	6.10	-0.38
1202	82.140	6.08	-0.36
1204	84.140	6.07	-0.35
1206	86.140	6.07	-0.35
1208	88.140	6.06	-0.34
1210	90.140	6.08	-0.36
1212	92.140	6.09	-0.37
1214	94.140	6.10	-0.38
1216	96.140	6.10	-0.38
1218	98.140	6.09	-0.37
1220	100.140	6.10	-0.38
1241	120.310	6.06	-0.34
1301	140.310	6.08	-0.36
1321	160.310	6.05	-0.33
1341	180.300	6.04	-0.32
1400	200.150	5.98	-0.26
1421	220.320	5.97	-0.25
1440	240.320	5.92	-0.20
1500	260.320	5.94	-0.22
1520	280.320	5.91	-0.19
1540	300.320	5.90	-0.18
1600	320.320	5.79	-0.07
1620	340.320	5.82	-0.10
1641	360.630	5.83	-0.11
1701	380.270	5.84	-0.12
1721	400.270	5.85	-0.13
1741	420.270	5.82	-0.10
1801	440.270	5.81	-0.09
1821	460.270	5.79	-0.07
1841	480.270	5.81	-0.09
1850	489.850	5.80	-0.08

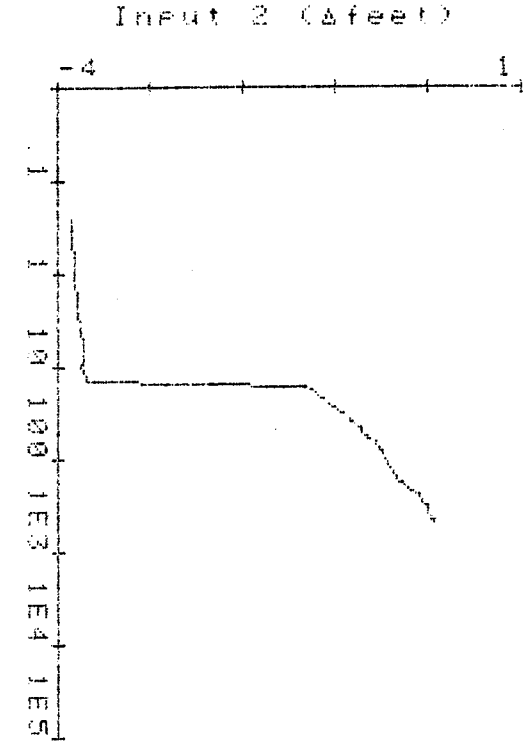

Input 1 (dfeet)
0
-1
1
1
10
100
1E3
1E4
1E5
Time (t/t')

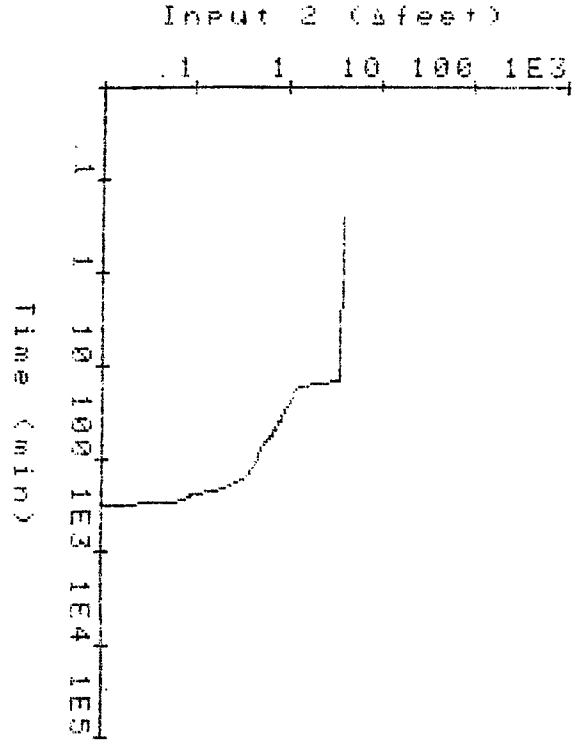

0
-1
1
1
10
100
1E3
1E4
1E5
Time (min)

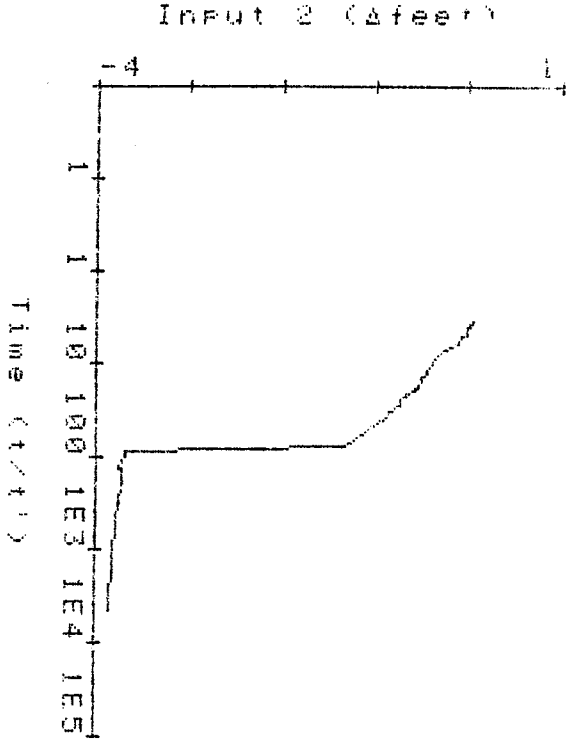

Input 1 (dfeet)
1
1
10
100
1E3
.1
1
10
100
1E3
1E4
1E5
Time (min)

Input 2 (feet):

Time	ET (min)	level	Δlevel
1041	0.257	3.83	-3.83
1041	0.340	3.83	-3.83
1041	0.424	3.83	-3.83
1041	0.507	3.83	-3.83
1041	0.590	3.83	-3.83
1041	0.674	3.83	-3.83
1041	0.757	3.82	-3.82
1041	0.840	3.82	-3.82
1041	0.924	3.82	-3.82
1041	1.007	3.82	-3.82
1042	1.375	3.80	-3.80
1042	1.709	3.79	-3.79
1042	2.042	3.79	-3.79
1043	2.375	3.79	-3.79
1043	2.709	3.78	-3.78
1043	3.042	3.77	-3.77
1044	3.375	3.76	-3.76
1044	3.709	3.76	-3.76
1044	4.042	3.76	-3.76
1045	4.375	3.75	-3.75
1045	4.709	3.74	-3.74
1045	5.042	3.73	-3.73
1046	5.375	3.72	-3.72
1046	5.709	3.72	-3.72
1046	6.042	3.72	-3.72
1047	6.375	3.72	-3.72
1047	6.709	3.72	-3.72
1047	7.042	3.72	-3.72
1048	7.375	3.71	-3.71
1048	7.709	3.72	-3.72
1048	8.042	3.72	-3.72
1049	8.375	3.72	-3.72
1049	8.709	3.72	-3.72
1049	9.042	3.73	-3.73
1050	9.375	3.74	-3.74
1050	9.709	3.74	-3.74
1050	10.042	3.74	-3.74
1052	12.141	3.70	-3.70
1054	14.141	3.68	-3.68
1056	16.141	1.31	-1.31
1058	18.140	1.26	-1.26
1100	20.140	1.19	-1.19
1102	22.140	1.13	-1.13
1104	24.140	1.09	-1.09
1106	26.140	1.06	-1.06
1108	28.140	1.01	-1.01
1110	30.140	0.95	-0.95
1112	32.140	0.90	-0.90
1114	34.140	0.87	-0.87
1116	36.140	0.85	-0.85
1118	38.140	0.85	-0.85
1120	40.140	0.82	-0.82
1122	42.140	0.79	-0.79
1124	44.140	0.76	-0.76
1126	46.140	0.73	-0.73
1128	48.140	0.72	-0.72
1130	50.140	0.73	-0.73
1132	52.140	0.72	-0.72
1134	54.140	0.71	-0.71
1136	56.140	0.68	-0.68
1138	58.140	0.67	-0.67
1140	60.140	0.65	-0.65
1142	62.140	0.62	-0.62
1144	64.140	0.60	-0.60
1146	66.140	0.58	-0.58
1148	68.140	0.57	-0.57
1150	70.140	0.56	-0.56
1152	72.140	0.56	-0.56
1154	74.140	0.53	-0.53
1156	76.140	0.53	-0.53
1158	78.140	0.52	-0.52
1200	80.140	0.52	-0.52
1202	82.140	0.51	-0.51
1204	84.140	0.49	-0.49
1206	86.140	0.49	-0.49
1208	88.140	0.49	-0.49
1210	90.140	0.49	-0.49
1212	92.140	0.49	-0.49
1214	94.140	0.50	-0.50
1216	96.140	0.49	-0.49
1218	98.140	0.47	-0.47
1220	100.140	0.48	-0.48
1241	120.310	0.41	-0.41
1301	140.310	0.38	-0.38
1321	160.310	0.34	-0.34
1341	180.300	0.28	-0.28
1400	200.150	0.21	-0.21
1421	220.320	0.17	-0.17
1440	240.320	0.09	-0.09
1500	260.320	0.09	-0.09
1520	280.320	0.07	-0.07
1540	300.320	0.06	-0.06
1600	320.320	-0.01	0.01
1620	340.320	-0.01	0.01
1641	360.630	-0.01	0.01
1701	380.270	-0.01	0.01
1721	400.270	-0.01	0.01
1741	420.270	-0.04	0.04
1801	440.270	-0.05	0.05
1821	460.270	-0.06	0.06
1841	480.270	-0.05	0.05
1850	489.850	-0.06	0.06







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