



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7171 Cleanwater Lane, Building 8, 1H-14 • Olympia, Washington 98504

September 28, 1990

TO: Phil Hertzog, Cascade Pole Site Manager
FROM: Pam Marti, TI/GM Hydrogeologist *PM*
SUBJECT: Transducer Data, Cascade Pole

As you requested, here is the pressure transducer data from the Cascade Pole site. As Bill Yake explained in his memo to Mike Wilson dated September 12, 1990, the pressure transducer data was originally being collected in order to conduct an infiltration study at the site. This study was terminated at your programs request. Consequently, water level data were collected only from March 1 to May 25, 1990, for wells AG1s, AG4s, and AG15s.

I have taken the raw data from each well and compiled it into data sets. Each set contains the following information:

- Time in days when data was collected. The transducers were programmed to collect data at 15 minute intervals (this is on the diskette only);
- Inches of water above the pressure transducer;
- Feet of water above the pressure transducer; and
- Water level from top of the well casing.

The hard copy provided for your use shows the data at a six hour interval. The data was reduced to this interval for easier handling.

Evidently there were some difficulties transferring the electronic data from the pressure transducer when the project first began. Consequently, data for the first week (March 1-8, 1990) for well AG4s were lost. This is noted on the heading of the data set for this well.

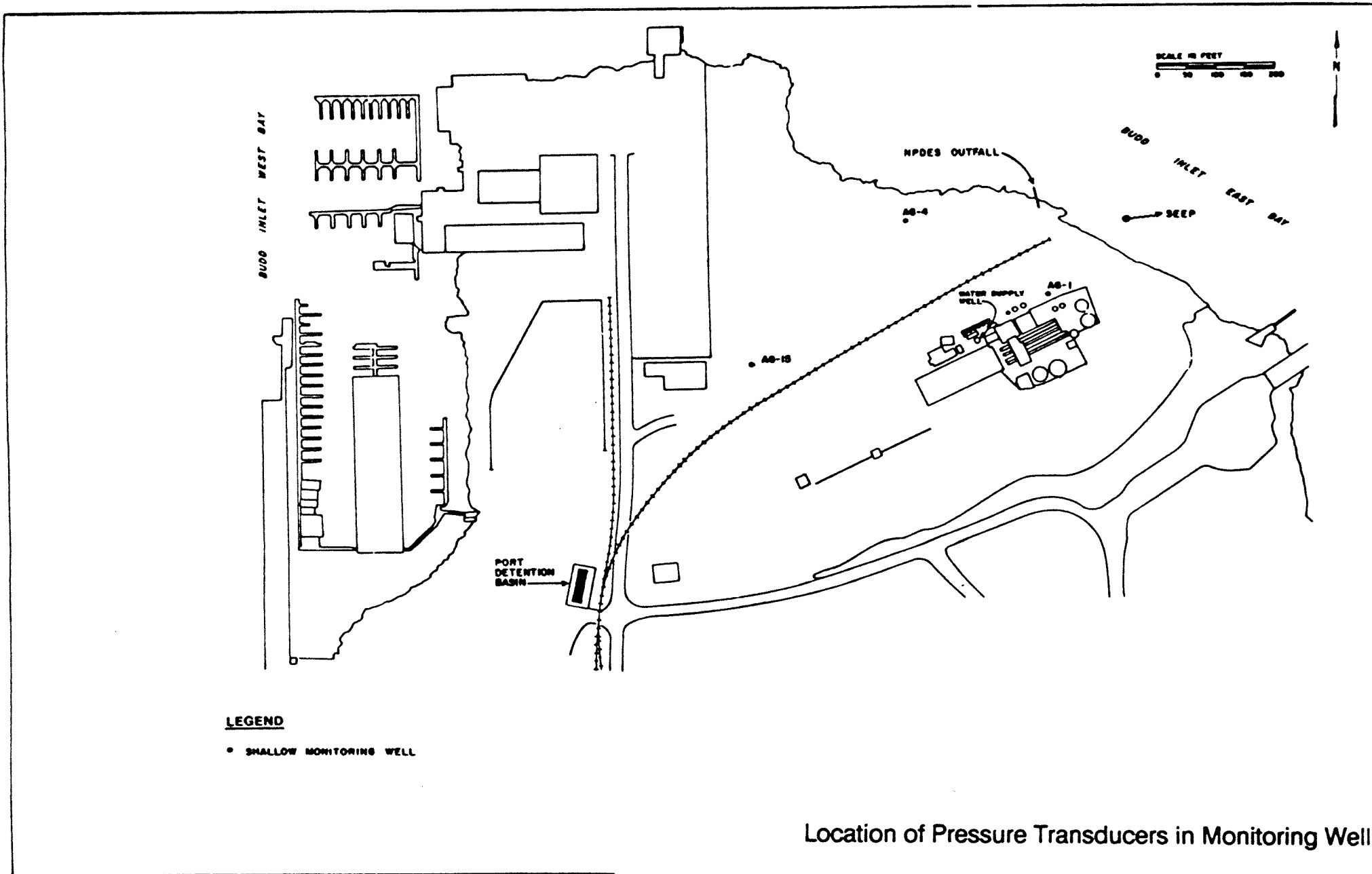
Phil Hertzog
September 28, 1990
Page Two

I hope these data will be useful to you. If you find the need in the future for any additional studies at this site, please don't hesitate to call us and we can explore the possibilities.

If you have any questions about the data, give me a call at 586-8138.

PM:krc
Attachment

cc: Bill Yake



LEGEND

- SHALLOW MONITORING WELL

Location of Pressure Transducers in Monitoring Well

Monitoring Well AG1s

Top of Casing (MSL): 10.33 feet

Ground Surface Elevation (MSL): 9.20 feet

TOC to Pressure Transducer: 5.20 feet

Date and Time Pressure Transducer was Started: 3/01/90 – 14:10

Date and Time Pressure Transducer was Stopped: 5/25/90 – 09:45

(Data reported at 6 hour intervals)

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
0	30	2.5	2.7
0.25	29	2.416666	2.783334
0.5	28.70000	2.391666	2.808334
0.75	29.29999	2.441666	2.758334
1	29.6	2.466666	2.733334
1.25	28.9	2.408333	2.791667
1.5	28.6	2.383333	2.816667
1.75	28.1	2.341666	2.858334
2	28.6	2.383333	2.816667
2.25	28.9	2.408333	2.791667
2.5	29.29999	2.441666	2.758334
2.75	27.79999	2.316666	2.883334
3	28.70000	2.391666	2.808334
3.25	27.29999	2.275	2.925
3.5	27	2.25	2.95
3.75	26.9	2.241666	2.958334
4	27	2.25	2.95
4.25	26.1	2.175	3.025
4.5	26.20000	2.183333	3.016667
4.75	28.29999	2.358333	2.841667
5	32.70000	2.725	2.475
5.25	35.70000	2.975	2.225
5.5	36.59999	3.05	2.15
5.75	38	3.166666	2.033334
6	38	3.166666	2.033334
6.25	37.5	3.125	2.075
6.5	34.29999	2.858333	2.341667
6.75	34.09999	2.841666	2.358334
7	36.90000	3.075	2.125
7.25	37.79999	3.15	2.05

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
7.5	37.20000	3.1	2.1
7.75	38.09999	3.175	2.025
8	36.90000	3.075	2.125
8.25	39.40000	3.283333	1.916667
8.5	39.09999	3.258333	1.941667
8.75	39.40000	3.283333	1.916667
9	38	3.166666	2.033334
9.25	35.70000	2.975	2.225
9.5	34.29999	2.858333	2.341667
9.75	34.59999	2.883333	2.316667
10	33.29999	2.775	2.425
10.25	32.90000	2.741666	2.458334
10.5	32.09999	2.675	2.525
10.75	32.09999	2.675	2.525
11	31.29999	2.608333	2.591667
11.25	31.29999	2.608333	2.591667
11.5	30.70000	2.558333	2.641667
11.75	31.5	2.625	2.575
12	31.5	2.625	2.575
12.25	34.29999	2.858333	2.341667
12.5	36.90000	3.075	2.125
12.75	37.79999	3.15	2.05
13	36.70000	3.058333	2.141667
13.25	33.79999	2.816666	2.383334
13.5	32.59999	2.716666	2.483334
13.75	32	2.666666	2.533334
14	31.29999	2.608333	2.591667
14.25	31	2.583333	2.616667
14.5	31.20000	2.6	2.6
14.75	31.5	2.625	2.575
15	31.5	2.625	2.575
15.25	30.1	2.508333	2.691667
15.5	30.29999	2.525	2.675
15.75	30.1	2.508333	2.691667
16	29.79999	2.483333	2.716667
16.25	30	2.5	2.7
16.5	30.70000	2.558333	2.641667
16.75	30	2.5	2.7
17	28.4	2.366666	2.833334
17.25	28.9	2.408333	2.791667
17.5	29	2.416666	2.783334
17.75	28.6	2.383333	2.816667

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
18	26.9	2.241666	2.958334
18.25	27.20000	2.266666	2.933334
18.5	27.6	2.3	2.9
18.75	27.6	2.3	2.9
19	25.79999	2.15	3.05
19.25	27	2.25	2.95
19.5	26.6	2.216666	2.983334
19.75	26.9	2.241666	2.958334
20	27.20000	2.266666	2.933334
20.25	26.9	2.241666	2.958334
20.5	26.6	2.216666	2.983334
20.75	26.6	2.216666	2.983334
21	26.20000	2.183333	3.016667
21.25	25.9	2.158333	3.041667
21.5	25.9	2.158333	3.041667
21.75	26.70000	2.225	2.975
22	26.4	2.2	3
22.25	26.1	2.175	3.025
22.5	25.9	2.158333	3.041667
22.75	26.70000	2.225	2.975
23	26.1	2.175	3.025
23.25	25.9	2.158333	3.041667
23.5	25.29999	2.108333	3.091667
23.75	25.79999	2.15	3.05
24	25	2.083333	3.116667
24.25	24.70000	2.058333	3.141667
24.5	23.5	1.958333	3.241667
24.75	24.1	2.008333	3.191667
25	23.6	1.966666	3.233334
25.25	24.20000	2.016666	3.183334
25.5	23.5	1.958333	3.241667
25.75	24.1	2.008333	3.191667
26	23.29999	1.941666	3.258334
26.25	23.29999	1.941666	3.258334
26.5	22.5	1.875	3.325
26.75	23.6	1.966666	3.233334
27	23	1.916666	3.283334
27.25	23	1.916666	3.283334
27.5	22.20000	1.85	3.35
27.75	23.20000	1.933333	3.266667
28	22.5	1.875	3.325
28.25	22.20000	1.85	3.35

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
28.5	22.1	1.841666	3.358334
28.75	22.4	1.866666	3.333334
29	21.79999	1.816666	3.383334
29.25	21.5	1.791666	3.408334
29.5	21.6	1.8	3.4
29.75	21.5	1.791666	3.408334
30	21.20000	1.766666	3.433334
30.25	20.5	1.708333	3.491667
30.5	20.79999	1.733333	3.466667
30.75	20.20000	1.683333	3.516667
31	20.1	1.675	3.525
31.25	18.70000	1.558333	3.641667
31.5	18.5	1.541666	3.658334
31.75	17.9	1.491666	3.708334
32	17.4	1.45	3.75
32.25	17	1.416666	3.783334
32.5	17.1	1.425	3.775
32.75	17	1.416666	3.783334
33	17.4	1.45	3.75
33.25	16.79999	1.4	3.8
33.5	16.79999	1.4	3.8
33.75	17	1.416666	3.783334
34	16.79999	1.4	3.8
34.25	16.1	1.341666	3.858334
34.5	15.6	1.3	3.9
34.75	15.9	1.325	3.875
35	15.7	1.308333	3.891667
35.25	15.1	1.258333	3.941667
35.5	14.4	1.2	4
35.75	15.1	1.258333	3.941667
36	15.1	1.258333	3.941667
36.25	15	1.25	3.95
36.5	14.2	1.183333	4.016667
36.75	15.3	1.275	3.925
37	14.7	1.225	3.975
37.25	14.7	1.225	3.975
37.5	13.4	1.116666	4.083334
37.75	13.7	1.141666	4.058334
38	12.7	1.058333	4.141667
38.25	12.8	1.066666	4.133334
38.5	11.7	0.975	4.225
38.75	12.4	1.033333	4.166667

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
39	11.9	0.991666	4.208334
39.25	12.5	1.041666	4.158334
39.5	11.9	0.991666	4.208334
39.75	13	1.083333	4.116667
40	12.8	1.066666	4.133334
40.25	12.7	1.058333	4.141667
40.5	11.6	0.966666	4.233334
40.75	13	1.083333	4.116667
41	12.7	1.058333	4.141667
41.25	13.1	1.091666	4.108334
41.5	12.8	1.066666	4.133334
41.75	13	1.083333	4.116667
42	12.7	1.058333	4.141667
42.25	12.7	1.058333	4.141667
42.5	12.8	1.066666	4.133334
42.75	12.7	1.058333	4.141667
43	12.2	1.016666	4.183334
43.25	15.1	1.258333	3.941667
43.5	20.1	1.675	3.525
43.75	20.1	1.675	3.525
44	19.79999	1.65	3.55
44.25	19.6	1.633333	3.566667
44.5	19.9	1.658333	3.541667
44.75	19	1.583333	3.616667
45	18.20000	1.516666	3.683334
45.25	17	1.416666	3.783334
45.5	16.79999	1.4	3.8
45.75	16.20000	1.35	3.85
46	15.6	1.3	3.9
46.25	14.5	1.208333	3.991667
46.5	14.5	1.208333	3.991667
46.75	13.9	1.158333	4.041667
47	13.1	1.091666	4.108334
47.25	12.4	1.033333	4.166667
47.5	13	1.083333	4.116667
47.75	12.7	1.058333	4.141667
48	12	1	4.2
48.25	11.4	0.95	4.25
48.5	11.9	0.991666	4.208334
48.75	11.7	0.975	4.225
49	11	0.916666	4.283334
49.25	10.2	0.85	4.35

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
49.5	10	0.833333	4.366667
49.75	10	0.833333	4.366667
50	10.3	0.858333	4.341667
50.25	9.9	0.825	4.375
50.5	10.2	0.85	4.35
50.75	11	0.916666	4.283334
51	11.1	0.925	4.275
51.25	10.8	0.9	4.3
51.5	11.1	0.925	4.275
51.75	11.7	0.975	4.225
52	12.2	1.016666	4.183334
52.25	17.6	1.466666	3.733334
52.5	19	1.583333	3.616667
52.75	20.5	1.708333	3.491667
53	18.20000	1.516666	3.683334
53.25	17.29999	1.441666	3.758334
53.5	15.7	1.308333	3.891667
53.75	16.1	1.341666	3.858334
54	15.3	1.275	3.925
54.25	15.3	1.275	3.925
54.5	15.4	1.283333	3.916667
54.75	20.5	1.708333	3.491667
55	20.70000	1.725	3.475
55.25	20.1	1.675	3.525
55.5	18.70000	1.558333	3.641667
55.75	19.1	1.591666	3.608334
56	17.6	1.466666	3.733334
56.25	18.20000	1.516666	3.683334
56.5	18.79999	1.566666	3.633334
56.75	26.4	2.2	3
57	25.79999	2.15	3.05
57.25	24.9	2.075	3.125
57.5	23.9	1.991666	3.208334
57.75	22.20000	1.85	3.35
58	20.1	1.675	3.525
58.25	18.1	1.508333	3.691667
58.5	18.4	1.533333	3.666667
58.75	17.6	1.466666	3.733334
59	16.4	1.366666	3.833334
59.25	15.1	1.258333	3.941667
59.5	15.6	1.3	3.9
59.75	15	1.25	3.95

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
60	14.8	1.233333	3.966667
60.25	14.4	1.2	4
60.5	14.4	1.2	4
60.75	14	1.166666	4.033334
61	13.7	1.141666	4.058334
61.25	12.4	1.033333	4.166667
61.5	13	1.083333	4.116667
61.75	12.2	1.016666	4.183334
62	11.3	0.941666	4.258334
62.25	10.3	0.858333	4.341667
62.5	10.7	0.891666	4.308334
62.75	10.5	0.875	4.325
63	10.2	0.85	4.35
63.25	9.7	0.808333	4.391667
63.5	9.9	0.825	4.375
63.75	10.2	0.85	4.35
64	10.5	0.875	4.325
64.25	10.3	0.858333	4.341667
64.5	10.3	0.858333	4.341667
64.75	10.8	0.9	4.3
65	9	0.75	4.45
65.25	9	0.75	4.45
65.5	9	0.75	4.45
65.75	9	0.75	4.45
66	9	0.75	4.45
66.25	9	0.75	4.45
66.5	9	0.75	4.45
66.75	9	0.75	4.45
67	9	0.75	4.45
67.25	9	0.75	4.45
67.5	9	0.75	4.45
67.75	9	0.75	4.45
68	9	0.75	4.45
68.25	9	0.75	4.45
68.5	9	0.75	4.45
68.75	9	0.75	4.45
69	9	0.75	4.45
69.25	9	0.75	4.45
69.5	9	0.75	4.45
69.75	9	0.75	4.45
70	9	0.75	4.45
70.25	9	0.75	4.45

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
70.5	9	0.75	4.45
70.75	9	0.75	4.45
71	9	0.75	4.45
71.25	9	0.75	4.45
71.5	9	0.75	4.45
71.75	9	0.75	4.45
72	9	0.75	4.45
72.25	9	0.75	4.45
72.5	9	0.75	4.45
72.75	9	0.75	4.45
73	9	0.75	4.45
73.25	9	0.75	4.45
73.5	9	0.75	4.45
73.75	9	0.75	4.45
74	9	0.75	4.45
74.25	9	0.75	4.45
74.5	9	0.75	4.45
74.75	9	0.75	4.45
75	9	0.75	4.45
75.25	9	0.75	4.45
75.5	9	0.75	4.45
75.75	9	0.75	4.45
76	9	0.75	4.45
76.25	9	0.75	4.45
76.5	9	0.75	4.45
76.75	9	0.75	4.45
77	9	0.75	4.45
77.25	9	0.75	4.45
77.5	9	0.75	4.45
77.75	9	0.75	4.45
78	9	0.75	4.45
78.25	9	0.75	4.45
78.5	9	0.75	4.45
78.75	9	0.75	4.45
79	9	0.75	4.45
79.25	9	0.75	4.45
79.5	9	0.75	4.45
79.75	9	0.75	4.45
80	9	0.75	4.45
80.25	9	0.75	4.45
80.5	9	0.75	4.45
80.75	9	0.75	4.45

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
81	9	0.75	4.45
81.25	9	0.75	4.45
81.5	10.5	0.875	4.325
81.75	13	1.083333	4.116667
82	12.5	1.041666	4.158334
82.25	12.5	1.041666	4.158334
82.5	11.7	0.975	4.225
82.75	12.7	1.058333	4.141667
83	11.6	0.966666	4.233334
83.25	11.3	0.941666	4.258334
83.5	9.9	0.825	4.375
83.75	10.7	0.891666	4.308334
84	9.4	0.783333	4.416667
84.25	9.6	0.8	4.4
84.5	9.7	0.808333	4.391667
84.75	10.2	0.85	4.35

Monitoring Well AG4s

Top of Casing (MSL): 11.75 feet

Ground Surface Elevation (MSL): 9.90 feet

TOC to Pressure Transducer: 12.60 feet

Date and Time Pressure Transducer was Started: 3/08/90 – 15:15

Date and Time Pressure Transducer was Stopped: 5/25/90 – 09:30

(Data reported at 6 hour intervals)

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
0	51.90000	4.325	8.275
0.25	52.70000	4.391666	8.208334
0.5	53.09999	4.425	8.175
0.75	52.29999	4.358333	8.241667
1	52.29999	4.358333	8.241667
1.25	51.90000	4.325	8.275
1.5	51.5	4.291666	8.308334
1.75	50.40000	4.2	8.4
2	52.70000	4.391666	8.208334
2.25	53.40000	4.45	8.15
2.5	54.59999	4.55	8.05
2.75	53.79999	4.483333	8.116667
3	55.79999	4.65	7.95
3.25	55.40000	4.616666	7.983334
3.5	56.20000	4.683333	7.916667
3.75	55	4.583333	8.016667
4	57	4.75	7.85
4.25	55.79999	4.65	7.95
4.5	57	4.75	7.85
4.75	55.40000	4.616666	7.983334
5	56.59999	4.716666	7.883334
5.25	54.59999	4.55	8.05
5.5	54.59999	4.55	8.05
5.75	51.5	4.291666	8.308334
6	54.20000	4.516666	8.083334
6.25	53.40000	4.45	8.15
6.5	55.40000	4.616666	7.983334
6.75	54.20000	4.516666	8.083334
7	56.20000	4.683333	7.916667
7.25	55.40000	4.616666	7.983334

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
7.5	56.59999	4.716666	7.883334
7.75	55	4.583333	8.016667
8	57	4.75	7.85
8.25	56.59999	4.716666	7.883334
8.5	57.5	4.791666	7.808334
8.75	56.59999	4.716666	7.883334
9	57.90000	4.825	7.775
9.25	58.29999	4.858333	7.741667
9.5	57.90000	4.825	7.775
9.75	57.90000	4.825	7.775
10	57.90000	4.825	7.775
10.25	58.29999	4.858333	7.741667
10.5	57.90000	4.825	7.775
10.75	58.29999	4.858333	7.741667
11	59.09999	4.925	7.675
11.25	59.09999	4.925	7.675
11.5	57.90000	4.825	7.775
11.75	59.09999	4.925	7.675
12	59.59999	4.966666	7.633334
12.25	59.59999	4.966666	7.633334
12.5	57.5	4.791666	7.808334
12.75	59.09999	4.925	7.675
13	59.59999	4.966666	7.633334
13.25	59.59999	4.966666	7.633334
13.5	57.5	4.791666	7.808334
13.75	59.59999	4.966666	7.633334
14	60	5	7.6
14.25	60	5	7.6
14.5	58.70000	4.891666	7.708334
14.74	59.59999	5	7.6
14.98958	60	5	7.6
15.25	60	5	7.6
15.5	59.09999	4.925	7.675
15.75	59.59999	4.966666	7.633334
16	59.59999	4.966666	7.633334
16.25	60	5	7.6
16.5	60	5	7.6
16.75	59.59999	4.966666	7.633334
17	60.40000	5.033333	7.566667
17.25	60.40000	5.033333	7.566667
17.5	60.40000	5.033333	7.566667
17.75	59.59999	4.966666	7.633334

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
18	60.40000	5.033333	7.566667
18.25	60	5	7.6
18.5	60.40000	5.033333	7.566667
18.75	59.09999	4.925	7.675
19	60.90000	5.075	7.525
19.25	59.09999	4.925	7.675
19.5	60.90000	5.075	7.525
19.75	58.70000	4.891666	7.708334
20	60.90000	5.075	7.525
20.25	58.29999	4.858333	7.741667
20.5	60.90000	5.075	7.525
20.75	57.90000	4.825	7.775
21	60.90000	5.075	7.525
21.25	58.29999	4.858333	7.741667
21.5	60.90000	5.075	7.525
21.75	57.90000	4.825	7.775
22	61.29999	5.108333	7.491667
22.25	60	5	7.6
22.5	61.29999	5.108333	7.491667
22.75	58.70000	4.891666	7.708334
23	61.79999	5.15	7.45
23.25	61.29999	5.108333	7.491667
23.5	61.29999	5.108333	7.491667
23.75	60.40000	5.033333	7.566667
24	62.20000	5.183333	7.416667
24.25	62.70000	5.225	7.375
24.5	61.29999	5.108333	7.491667
24.75	62.70000	5.225	7.375
25	63.09999	5.258333	7.341667
25.25	63.09999	5.258333	7.341667
25.5	60.40000	5.033333	7.566667
25.75	63.09999	5.258333	7.341667
26	63.09999	5.258333	7.341667
26.25	63.09999	5.258333	7.341667
26.5	60	5	7.6
26.75	62.70000	5.225	7.375
27	63.09999	5.258333	7.341667
27.25	63.59999	5.3	7.3
27.5	60.40000	5.033333	7.566667
27.75	63.09999	5.258333	7.341667
28	63.09999	5.258333	7.341667
28.25	63.59999	5.3	7.3

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
28.5	62.70000	5.225	7.375
28.75	63.09999	5.258333	7.341667
29	63.59999	5.3	7.3
29.25	63.59999	5.3	7.3
29.5	63.59999	5.3	7.3
29.75	63.09999	5.258333	7.341667
30	63.59999	5.3	7.3
30.25	63.59999	5.3	7.3
30.5	64	5.333333	7.266667
30.75	63.09999	5.258333	7.341667
31	64	5.333333	7.266667
31.25	63.59999	5.3	7.3
31.5	64	5.333333	7.266667
31.75	63.59999	5.3	7.3
32	64.5	5.375	7.225
32.25	63.59999	5.3	7.3
32.5	64	5.333333	7.266667
32.75	63.09999	5.258333	7.341667
33	64	5.333333	7.266667
33.25	62.70000	5.225	7.375
33.5	64.5	5.375	7.225
33.75	63.59999	5.3	7.3
34	65	5.416666	7.183334
34.25	63.09999	5.258333	7.341667
34.5	64.5	5.375	7.225
34.75	64	5.333333	7.266667
35	65	5.416666	7.183334
35.25	63.59999	5.3	7.3
35.5	64	5.333333	7.266667
35.75	64	5.333333	7.266667
36	65	5.416666	7.183334
36.25	64	5.333333	7.266667
36.5	63.59999	5.3	7.3
36.75	63.09999	5.258333	7.341667
37	63.59999	5.3	7.3
37.25	62.70000	5.225	7.375
37.5	63.09999	5.258333	7.341667
37.75	63.09999	5.258333	7.341667
38	64	5.333333	7.266667
38.25	64	5.333333	7.266667
38.5	63.09999	5.258333	7.341667
38.75	64	5.333333	7.266667

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
39	64.5	5.375	7.225
39.25	64.5	5.375	7.225
39.5	63.09999	5.258333	7.341667
39.75	64.5	5.375	7.225
40	65.40000	5.45	7.15
40.25	65.40000	5.45	7.15
40.5	64	5.333333	7.266667
40.75	65	5.416666	7.183334
41	65.40000	5.45	7.15
41.25	65.40000	5.45	7.15
41.5	64	5.333333	7.266667
41.75	65	5.416666	7.183334
42	65.40000	5.45	7.15
42.25	65.90000	5.491666	7.108334
42.5	64.5	5.375	7.225
42.75	65	5.416666	7.183334
43	65.90000	5.491666	7.108334
43.25	65.90000	5.491666	7.108334
43.5	65	5.416666	7.183334
43.75	65	5.416666	7.183334
44	65.40000	5.45	7.15
44.25	65.40000	5.45	7.15
44.5	64.5	5.375	7.225
44.75	64	5.333333	7.266667
45	64.5	5.375	7.225
45.25	64	5.333333	7.266667
45.5	63.09999	5.258333	7.341667
45.75	63.09999	5.258333	7.341667
46	64	5.333333	7.266667
46.25	63.59999	5.3	7.3
46.5	64	5.333333	7.266667
46.75	63.09999	5.258333	7.341667
47	64	5.333333	7.266667
47.25	62.70000	5.225	7.375
47.5	63.59999	5.3	7.3
47.75	62.20000	5.183333	7.416667
48	63.09999	5.258333	7.341667
48.25	60.90000	5.075	7.525
48.5	63.09999	5.258333	7.341667
48.75	61.79999	5.15	7.45
49	63.09999	5.258333	7.341667
49.25	59.09999	4.925	7.675

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
49.5	62.20000	5.183333	7.416667
49.75	59.59999	4.966666	7.633334
50	61.79999	5.15	7.45
50.25	57.5	4.791666	7.808334
50.5	60.90000	5.075	7.525
50.75	60	5	7.6
51	62.70000	5.225	7.375
51.25	60	5	7.6
51.5	61.79999	5.15	7.45
51.75	60.90000	5.075	7.525
52	63.09999	5.258333	7.341667
52.25	62.70000	5.225	7.375
52.5	62.20000	5.183333	7.416667
52.75	63.09999	5.258333	7.341667
53	63.59999	5.3	7.3
53.25	63.59999	5.3	7.3
53.5	62.20000	5.183333	7.416667
53.75	63.59999	5.3	7.3
54	63.59999	5.3	7.3
54.25	64	5.333333	7.266667
54.5	61.79999	5.15	7.45
54.75	64	5.333333	7.266667
55	64.5	5.375	7.225
55.25	64.5	5.375	7.225
55.5	62.20000	5.183333	7.416667
55.75	64	5.333333	7.266667
56	65	5.416666	7.183334
56.25	65	5.416666	7.183334
56.5	63.09999	5.258333	7.341667
56.75	64.5	5.375	7.225
57	65	5.416666	7.183334
57.25	65	5.416666	7.183334
57.5	63.59999	5.3	7.3
57.75	64	5.333333	7.266667
58	65.40000	5.45	7.15
58.25	65.40000	5.45	7.15
58.5	65	5.416666	7.183334
58.75	65	5.416666	7.183334
59	65.90000	5.491666	7.108334
59.25	65.40000	5.45	7.15
59.5	65.40000	5.45	7.15
59.75	65	5.416666	7.183334

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
60	65.90000	5.491666	7.108334
60.25	65.40000	5.45	7.15
60.5	65.90000	5.491666	7.108334
60.75	65.90000	5.491666	7.108334
61	66.40000	5.533333	7.066667
61.25	65.40000	5.45	7.15
61.5	65.90000	5.491666	7.108334
61.75	65.90000	5.491666	7.108334
62	66.40000	5.533333	7.066667
62.25	65	5.416666	7.183334
62.5	65.90000	5.491666	7.108334
62.75	65.90000	5.491666	7.108334
63	66.90000	5.575	7.025
63.25	65.40000	5.45	7.15
63.5	65.90000	5.491666	7.108334
63.75	66.40000	5.533333	7.066667
64	66.90000	5.575	7.025
64.25	65.40000	5.45	7.15
64.5	65.90000	5.491666	7.108334
64.75	66.40000	5.533333	7.066667
65	67.40000	5.616666	6.983334
65.25	66.40000	5.533333	7.066667
65.5	66.40000	5.533333	7.066667
65.75	66.90000	5.575	7.025
66	67.40000	5.616666	6.983334
66.25	66.90000	5.575	7.025
66.5	66.40000	5.533333	7.066667
66.75	67.40000	5.616666	6.983334
67	67.90000	5.658333	6.941667
67.25	67.90000	5.658333	6.941667
67.5	66.90000	5.575	7.025
67.75	67.90000	5.658333	6.941667
68	68.90000	5.741666	6.858334
68.25	68.40000	5.7	6.9
68.5	66.90000	5.575	7.025
68.75	68.40000	5.7	6.9
69	68.90000	5.741666	6.858334
69.25	68.90000	5.741666	6.858334
69.5	66.40000	5.533333	7.066667
69.75	67.90000	5.658333	6.941667
70	68.90000	5.741666	6.858334
70.25	68.90000	5.741666	6.858334

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
70.5	66.40000	5.533333	7.066667
70.75	67.90000	5.658333	6.941667
71	68.90000	5.741666	6.858334
71.25	68.90000	5.741666	6.858334
71.5	65.90000	5.491666	7.108334
71.75	67.40000	5.616666	6.983334
72	68.40000	5.7	6.9
72.25	68.90000	5.741666	6.858334
72.5	65.40000	5.45	7.15
72.75	66.90000	5.575	7.025
73	68.90000	5.741666	6.858334
73.25	69.40000	5.783333	6.816667
73.5	66.40000	5.533333	7.066667
73.75	67.40000	5.616666	6.983334
74	67.90000	5.658333	6.941667
74.25	67.90000	5.658333	6.941667
74.5	65.90000	5.491666	7.108334
74.75	66.40000	5.533333	7.066667
75	66.90000	5.575	7.025
75.25	65.90000	5.491666	7.108334
75.5	65.40000	5.45	7.15
75.75	65.40000	5.45	7.15
76	66.90000	5.575	7.025
76.25	65	5.416666	7.183334
76.5	65.40000	5.45	7.15
76.75	65	5.416666	7.183334
77	66.90000	5.575	7.025
77.25	64	5.333333	7.266667
77.5	65.40000	5.45	7.15
77.75	65	5.416666	7.183334

Monitoring Well AG15s

Top of Casing (MSL): 11.57 feet

Ground Surface Elevation (MSL): 10.70 feet

TOC to Pressure Transducer: 6.67 feet

Date and Time Pressure Transducer was Started: 3/01/90 – 13:30

Date and Time Pressure Transducer was Stopped: 5/25/90 – 09:45

(Data reported at 6 hour intervals)

<u>Time</u> <u>(days)</u>	<u>Inches of Water Above</u> <u>Pressure Transducer</u>	<u>Feet of Water Above</u> <u>Pressure Transducer</u>	<u>Water Level</u> <u>from TOC (feet)</u>
0	29.29999	2.441666	4.228334
0.25	29.29999	2.441666	4.228334
0.5	28.9	2.408333	4.261667
0.75	28.9	2.408333	4.261667
1	28.9	2.408333	4.261667
1.25	28.6	2.383333	4.286667
1.5	28.1	2.341666	4.328334
1.75	27.79999	2.316666	4.353334
2	27.5	2.291666	4.378334
2.25	27.29999	2.275	4.395
2.5	27.20000	2.266666	4.403334
2.75	27	2.25	4.42
3	26.70000	2.225	4.445
3.25	26.20000	2.183333	4.486667
3.5	25.9	2.158333	4.511667
3.75	25.5	2.125	4.545
4	25.5	2.125	4.545
4.25	25.20000	2.1	4.57
4.5	24.9	2.075	4.595
4.75	24.70000	2.058333	4.611667
5	26.1	2.175	4.495
5.25	29.29999	2.441666	4.228334
5.5	30.70000	2.558333	4.111667
5.75	31.29999	2.608333	4.061667
6	33.5	2.791666	3.878334
6.25	33.29999	2.775	3.895
6.5	32.90000	2.741666	3.928334
6.75	32.40000	2.7	3.97
7	34.59999	2.883333	3.786667
7.25	36.59999	3.05	3.62

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
7.5	37.5	3.125	3.545
7.75	37.20000	3.1	3.57
8	38.29999	3.191666	3.478334
8.25	39.09999	3.258333	3.411667
8.5	39.40000	3.283333	3.386667
8.75	39.40000	3.283333	3.386667
9	39.40000	3.283333	3.386667
9.25	39.40000	3.283333	3.386667
9.5	38.59999	3.216666	3.453334
9.75	37.40000	3.116666	3.553334
10	36.59999	3.05	3.62
10.25	35.70000	2.975	3.695
10.5	34.90000	2.908333	3.761667
10.75	34.09999	2.841666	3.828334
11	33.79999	2.816666	3.853334
11.25	33.5	2.791666	3.878334
11.5	32.90000	2.741666	3.928334
11.75	32.70000	2.725	3.945
12	32.70000	2.725	3.945
12.25	32.90000	2.741666	3.928334
12.5	34.70000	2.891666	3.778334
12.75	36.59999	3.05	3.62
13	37.20000	3.1	3.57
13.25	36.09999	3.008333	3.661667
13.5	35.20000	2.933333	3.736667
13.75	34.59999	2.883333	3.786667
14	34	2.833333	3.836667
14.25	33.29999	2.775	3.895
14.5	32.90000	2.741666	3.928334
14.75	32.59999	2.716666	3.953334
15	32.40000	2.7	3.97
15.25	31.79999	2.65	4.02
15.5	31	2.583333	4.086667
15.75	30.70000	2.558333	4.111667
16	30.29999	2.525	4.145
16.25	30	2.5	4.17
16.5	29.6	2.466666	4.203334
16.75	29.29999	2.441666	4.228334
17	29.29999	2.441666	4.228334
17.25	29.20000	2.433333	4.236667
17.5	28.70000	2.391666	4.278334
17.75	28.29999	2.358333	4.311667

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
18	27.79999	2.316666	4.353334
18.25	27.29999	2.275	4.395
18.5	27	2.25	4.42
18.75	26.6	2.216666	4.453334
19	26.1	2.175	4.495
19.25	25.79999	2.15	4.52
19.5	25.6	2.133333	4.536667
19.75	25.29999	2.108333	4.561667
20	25.29999	2.108333	4.561667
20.25	25.20000	2.1	4.57
20.5	24.9	2.075	4.595
20.75	24.20000	2.016666	4.653334
21	24.1	2.008333	4.661667
21.25	23.6	1.966666	4.703334
21.5	23.29999	1.941666	4.728334
21.75	23	1.916666	4.753334
22	22.9	1.908333	4.761667
22.25	22.70000	1.891666	4.778334
22.5	22.70000	1.891666	4.778334
22.75	22.4	1.866666	4.803334
23	22.4	1.866666	4.803334
23.25	22.1	1.841666	4.828334
23.5	21.9	1.825	4.845
23.75	21.6	1.8	4.87
24	21.5	1.791666	4.878334
24.25	21.20000	1.766666	4.903334
24.5	20.70000	1.725	4.945
24.75	20.4	1.7	4.97
25	20.5	1.708333	4.961667
25.25	20.20000	1.683333	4.986667
25.5	20.20000	1.683333	4.986667
25.75	19.9	1.658333	5.011667
26	20.1	1.675	4.995
26.25	19.9	1.658333	5.011667
26.5	19.6	1.633333	5.036667
26.75	19.5	1.625	5.045
27	19.5	1.625	5.045
27.25	19.29999	1.608333	5.061667
27.5	19	1.583333	5.086667
27.75	18.79999	1.566666	5.103334
28	18.70000	1.558333	5.111667
28.25	18.5	1.541666	5.128334

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TQC (feet)</u>
28.5	18.4	1.533333	5.136667
28.75	18.20000	1.516666	5.153334
29	18.1	1.508333	5.161667
29.25	18.20000	1.516666	5.153334
29.5	17.9	1.491666	5.178334
29.75	17.79999	1.483333	5.186667
30	17.6	1.466666	5.203334
30.25	17.6	1.466666	5.203334
30.5	17.4	1.45	5.22
30.75	17.1	1.425	5.245
31	16.79999	1.4	5.27
31.25	16.70000	1.391666	5.278334
31.5	16.5	1.375	5.295
31.75	16.20000	1.35	5.32
32	16.1	1.341666	5.328334
32.25	15.9	1.325	5.345
32.5	15.7	1.308333	5.361667
32.75	15.4	1.283333	5.386667
33	15.4	1.283333	5.386667
33.25	15.4	1.283333	5.386667
33.5	15.3	1.275	5.395
33.75	15.1	1.258333	5.411667
34	15.1	1.258333	5.411667
34.25	14.8	1.233333	5.436667
34.5	14.7	1.225	5.445
34.75	14.4	1.2	5.47
35	14.4	1.2	5.47
35.25	14	1.166666	5.503334
35.5	14	1.166666	5.503334
35.75	13.7	1.141666	5.528334
36	13.7	1.141666	5.528334
36.25	13.6	1.133333	5.536667
36.5	13.4	1.116666	5.553334
36.75	13.3	1.108333	5.561667
37	13.3	1.108333	5.561667
37.25	13	1.083333	5.586667
37.5	12.8	1.066666	5.603334
37.75	12.5	1.041666	5.628334
38	12.4	1.033333	5.636667
38.25	12	1	5.67
38.5	11.9	0.991666	5.678334
38.75	11.7	0.975	5.695

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
39	11.7	0.975	5.695
39.25	11.6	0.966666	5.703334
39.5	11.4	0.95	5.72
39.75	11.4	0.95	5.72
40	11.4	0.95	5.72
40.25	11.3	0.941666	5.728334
40.5	11.1	0.925	5.745
40.75	10.8	0.9	5.77
41	11	0.916666	5.753334
41.25	11.3	0.941666	5.728334
41.5	11.1	0.925	5.745
41.75	10.8	0.9	5.77
42	10.7	0.891666	5.778334
42.25	10.7	0.891666	5.778334
42.5	10.5	0.875	5.795
42.75	10.3	0.858333	5.811667
43	10.5	0.875	5.795
43.25	11.3	0.941666	5.728334
43.5	13	1.083333	5.586667
43.75	13.3	1.108333	5.561667
44	13.3	1.108333	5.561667
44.25	13.1	1.091666	5.578334
44.5	12.8	1.066666	5.603334
44.75	12.5	1.041666	5.628334
45	12.2	1.016666	5.653334
45.25	11.9	0.991666	5.678334
45.5	11.6	0.966666	5.703334
45.75	11.1	0.925	5.745
46	11	0.916666	5.753334
46.25	10.7	0.891666	5.778334
46.5	10.2	0.85	5.82
46.75	10	0.833333	5.836667
47	9.7	0.808333	5.861667
47.25	9.6	0.8	5.87
47.5	9.4	0.783333	5.886667
47.75	9.3	0.775	5.895
48	9.3	0.775	5.895
48.25	9.3	0.775	5.895
48.5	9.3	0.775	5.895
48.75	9.1	0.758333	5.911667
49	9.1	0.758333	5.911667
49.25	9.1	0.758333	5.911667

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
49.5	9.1	0.758333	5.911667
49.75	9.1	0.758333	5.911667
50	9.1	0.758333	5.911667
50.25	9.1	0.758333	5.911667
50.5	9.1	0.758333	5.911667
50.75	9.1	0.758333	5.911667
51	9.1	0.758333	5.911667
51.25	9.1	0.758333	5.911667
51.5	9.1	0.758333	5.911667
51.75	9.1	0.758333	5.911667
52	9.1	0.758333	5.911667
52.25	9.7	0.808333	5.861667
52.5	10.8	0.9	5.77
52.75	11	0.916666	5.753334
53	10.5	0.875	5.795
53.25	9.7	0.808333	5.861667
53.5	9.4	0.783333	5.886667
53.75	9.1	0.758333	5.911667
54	9.1	0.758333	5.911667
54.25	9.1	0.758333	5.911667
54.5	9.1	0.758333	5.911667
54.75	9.3	0.775	5.895
55	10.3	0.858333	5.811667
55.25	10.5	0.875	5.795
55.5	10.2	0.85	5.82
55.75	10	0.833333	5.836667
56	9.9	0.825	5.845
56.25	10	0.833333	5.836667
56.5	10.2	0.85	5.82
56.75	11.1	0.925	5.745
57	12.2	1.016666	5.653334
57.25	12.8	1.066666	5.603334
57.5	12.7	1.058333	5.611667
57.75	12.5	1.041666	5.628334
58	12.2	1.016666	5.653334
58.25	11.9	0.991666	5.678334
58.5	11.7	0.975	5.695
58.75	11.6	0.966666	5.703334
59	11.1	0.925	5.745
59.25	10.8	0.9	5.77
59.5	10.5	0.875	5.795
59.75	10.3	0.858333	5.811667

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
60	10.2	0.85	5.82
60.25	10.2	0.85	5.82
60.5	10	0.833333	5.836667
60.75	9.9	0.825	5.845
61	9.9	0.825	5.845
61.25	9.6	0.8	5.87
61.5	9.4	0.783333	5.886667
61.75	9.1	0.758333	5.911667
62	9.1	0.758333	5.911667
62.25	9.1	0.758333	5.911667
62.5	9.1	0.758333	5.911667
62.75	9.1	0.758333	5.911667
63	9.1	0.758333	5.911667
63.25	9.1	0.758333	5.911667
63.5	9.1	0.758333	5.911667
63.75	9.1	0.758333	5.911667
64	9.1	0.758333	5.911667
64.25	9.1	0.758333	5.911667
64.5	9.1	0.758333	5.911667
64.75	9.1	0.758333	5.911667
65	9.1	0.758333	5.911667
65.25	9.1	0.758333	5.911667
65.5	9.1	0.758333	5.911667
65.75	9.1	0.758333	5.911667
66	9.1	0.758333	5.911667
66.25	9.1	0.758333	5.911667
66.5	9.1	0.758333	5.911667
66.75	9.1	0.758333	5.911667
67	9.1	0.758333	5.911667
67.25	9.1	0.758333	5.911667
67.5	9.1	0.758333	5.911667
67.75	9.1	0.758333	5.911667
68	9.1	0.758333	5.911667
68.25	9.1	0.758333	5.911667
68.5	9.1	0.758333	5.911667
68.75	9.1	0.758333	5.911667
69	9.1	0.758333	5.911667
69.25	9.1	0.758333	5.911667
69.5	9.1	0.758333	5.911667
69.75	9.1	0.758333	5.911667
70	9.1	0.758333	5.911667
70.25	9.1	0.758333	5.911667

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
70.5	9.1	0.758333	5.911667
70.75	9.1	0.758333	5.911667
71	9.1	0.758333	5.911667
71.25	9.1	0.758333	5.911667
71.5	9.1	0.758333	5.911667
71.75	9.1	0.758333	5.911667
72	9.1	0.758333	5.911667
72.25	9.1	0.758333	5.911667
72.5	9.1	0.758333	5.911667
72.75	9.1	0.758333	5.911667
73	9.1	0.758333	5.911667
73.25	9.1	0.758333	5.911667
73.5	9.1	0.758333	5.911667
73.75	9	0.75	5.92
74	9	0.75	5.92
74.25	9	0.75	5.92
74.5	9	0.75	5.92
74.75	9	0.75	5.92
75	9	0.75	5.92
75.25	9	0.75	5.92
75.5	9	0.75	5.92
75.75	9	0.75	5.92
76	9	0.75	5.92
76.25	9	0.75	5.92
76.5	9	0.75	5.92
76.75	9	0.75	5.92
77	9	0.75	5.92
77.25	9	0.75	5.92
77.5	9	0.75	5.92
77.75	9	0.75	5.92
78	9	0.75	5.92
78.25	9	0.75	5.92
78.5	9	0.75	5.92
78.75	9	0.75	5.92
79	9	0.75	5.92
79.25	9	0.75	5.92
79.5	9	0.75	5.92
79.75	9	0.75	5.92
80	9	0.75	5.92
80.25	9	0.75	5.92
80.5	9	0.75	5.92
80.75	9	0.75	5.92

<u>Time (days)</u>	<u>Inches of Water Above Pressure Transducer</u>	<u>Feet of Water Above Pressure Transducer</u>	<u>Water Level from TOC (feet)</u>
81	9	0.75	5.92
81.25	9	0.75	5.92
81.5	9	0.75	5.92
81.75	9	0.75	5.92
82	9	0.75	5.92
82.25	9	0.75	5.92
82.5	9	0.75	5.92
82.75	9	0.75	5.92
83	9	0.75	5.92
83.25	9	0.75	5.92
83.5	9	0.75	5.92
83.75	9	0.75	5.92
84	9	0.75	5.92
84.25	9	0.75	5.92
84.5	9	0.75	5.92
84.75	9	0.75	5.92