ADDENDUM D6-6-6

MINE UNIT 5
AQUIFER TEST DATA AND ANALYSIS

SE1000C
Environmental Logger
10/18 13:59

Unit# 02011 Test 0

Setups:	INPUT 1	INPUT 2
Type	Level (F)	Level (F)
Mode	TOC	TOC
I.D.	00000	00000
Reference	0.000	0.000
Linearity	0.360	0.430
Scale factor	99.760	100.320
Offset	-0.370	0.090
Delay mSEC	50.000	50.000

Step 0 10/17 11:15:24

Elapsed Time	INPUT 1 (Pixm197-1)	INPUT 2 (Pixm097-1)
0.0000	0.473	0.031
0.0033	0.505	0.063
0.0066	0.473	0.031
0.0100	0.505	0.063
0.0133	0.473	0.095
0.0166	0.473	0.031
0.0200	0.473	0.063
0.0233	0.505	0.000
0.0266	0.473	0.031
0.0300	0.505	0.000
0.0333	0.505	0.031
0.0366	0.505	0.031
0.0400	0.505	0.031
0.0433	0.473	0.095
0.0466	0.505	0.031
0.0500	0.473	0.031
0.0533	0.505	0.031
0.0566	0.505	0.031
0.0600	0.505	0.031
0.0633	0.505	0.031
0.0666	0.473	0.063
0.0700	0.473	0.063
0.0733	0.473	0.063
0.0766	2.307	0.063
0.0800	13.089	0.031
0.0833	11.761	0.063
0.0866	-1.898	0.063
0.0900	-4.112	0.095
0.0933	2.339	0.031
0.0966	2.245	0.063

0.1000	0.632	0.063
0.1033	1.328	0.031
0.1066	1.518	0.063
0.1100	1.549	0.031
0.1133	1.549	0.095
0.1166	1.675	0.063
0.1200	1.771	0.095
0.1233	1.833	0.063
0.1266	1.928	0.063
0.1300	2.245	0.063
0.1333	2.054	0.031
0.1366	2.245	0.095
0.1400	2.276	0.031
0.1433	2.593	0.063
0.1466	2.497	0.063
0.1500	2.497	0.063
0.1533	2.878	0.063
0.1566	2.940	0.063
0.1600	2.782	0.063
0.1633	3.003	0.063
0.1666	3.161	0.063
0.1700	3.131	0.063
0.1733	3.288	0.063
0.1766	3.288	0.063
0.1800	3.636	0.031
0.1833	3.414	0.063
0.1866	3.573	0.031
0.1900	3.763	0.063
0.1933	3.984	0.095
0.1966	3.667	0.063
0.2000	3.889	0.063
0.2033	4.078	0.031
0.2066	4.268	0.063
0.2100	4.078	0.063
0.2133	4.584	0.063
0.2166	4.299	0.031
0.2200	4.521	0.063
0.2233	4.458	0.063
0.2266	4.774	0.063
0.2300	4.584	0.031
0.2333	4.963	0.063
0.2366	4.995	0.095
0.2400	5.154	0.063
0.2433	5.059	0.031
0.2466	5.185	0.063
0.2500	5.280	0.063
0.2533	5.470	0.063
0.2566	5.406	0.031
0.2600	5.565	0.063
0.2633	5.565	0.031
0.2666	5.818	0.031
0.2700	5.755	0.063

0.2733	5.849	0.095
0.2766	6.134	0.095
0.2800	5.912	0.031
0.2833	6.197	0.063
0.2866	6.197	0.063
0.2900	6.450	0.063
0.2933	6.134	0.063
0.2966	6.545	0.063
0.3000	6.576	0.063
0.3033	6.640	0.063
0.3066	6.545	0.063
0.3100	6.893	0.063
0.3133	6.955	0.063
0.3166	6.925	0.031
0.3200	6.955	0.031
0.3233	7.146	0.031
0.3266	7.493	0.063
0.3300	7.240	0.063
0.3333	7.335	0.031
0.3500	7.651	0.063
0.3666	7.904	0.063
0.3833	8.474	0.031
0.4000	8.853	0.095
0.4166	9.359	0.063
0.4333	9.864	0.031
0.4500	10.117	0.063
0.4666	10.749	0.063
0.4833	10.876	0.031
0.5000	11.161	0.063
0.5166	11.572	0.063
0.5333	12.014	0.063
0.5500	12.425	0.031
0.5666	12.678	0.031
0.5833	13.057	0.063
0.6000	13.374	0.063
0.6166	13.816	0.063
0.6333	14.195	0.031
0.6500	14.416	0.031
0.6666	14.733	0.095
0.6833	15.048	0.063
0.7000	15.397	0.063
0.7166	15.712	0.063
0.7333	15.997	0.063
0.7500	16.503	0.031
0.7666	16.629	0.031
0.7833	16.977	0.031
0.8000	17.103	0.095
0.8166	17.482	0.031
0.8333	17.862	0.063
0.8500	18.052	0.031
0.8666	18.367	0.063
0.8833	18.526	0.031

0.9000	19.000	0.063
0.9166	19.000	0.063
0.9333	19.284	0.031
0.9500	19.632	0.063
0.9666	19.726	0.063
0.9833	20.043	0.063
1.0000	20.358	0.031
1.2000	22.855	0.063
1.4000	24.277	0.031
1.6000	25.035	0.031
1.8000	25.447	0.031
2.0000	25.889	0.031
2.2000	26.394	0.031
2.4000	26.836	0.000
2.6000	27.405	0.031
2.8000	27.848	0.031
3.0000	28.322	0.031
3.2000	28.764	0.000
3.4000	29.332	0.031
3.6000	29.649	0.000
3.8000	30.059	0.063
4.0000	30.533	0.031
4.2000	30.976	0.031
4.4000	31.354	0.031
4.6000	31.860	0.031
4.8000	32.081	0.031
5.0000	32.555	0.031
5.2000	32.839	0.031
5.4000	33.219	0.000
5.6000	33.724	0.000
5.8000	34.040	0.031
6.0000	34.388	0.031
6.2000	34.735	0.031
6.4000	34.988	0.031
6.6000	35.398	0.000
6.8000	35.619	0.000
7.0000	35.745	0.000
7.2000	36.157	0.000
7.4000	36.599	0.031
7.6000	37.073	0.063
7.8000	37.199	0.000
8.0000	37.324	0.031
8.2000	37.673	0.031
8.4000	37.894	0.031
8.6000	38.209	0.000
8.8000	38.651	0.000
9.0000	38.683	0.000
9.2000	39.220	0.000
9.4000	39.252	0.000
9.6000	39.410	0.000
9.8000	39.884	0.000
10.0000	40.137	0.031

12.0000	42.505	0.031
14.0000	44.336	0.031
16.0000	46.169	-0.032
18.0000	47.589	0.000
20.0000	48.979	-0.032
22.0000	50.273	0.000
24.0000	51.316	0.000
26.0000	52.547	0.031
28.0000	53.494	0.000
30.0000	54.157	-0.032
32.0000	54.852	0.000
34.0000	55.830	0.000
36.0000	56.556	0.031
38.0000	57.251	0.031
40.0000	57.788	0.031
42.0000	58.356	0.063
44.0000	59.018	0.031
46.0000	59.524	0.095
48.0000	60.092	0.095
50.0000	60.534	0.063
52.0000	60.944	0.095
54.0000	61.196	0.095
56.0000	61.607	0.126
58.0000	62.017	0.126
60.0000	62.617	0.126
62.0000	62.775	0.126
64.0000	63.122	0.190
66.0000	63.469	0.190
68.0000	63.658	0.190
70.0000	63.848	0.222
72.0000	64.384	0.222
74.0000	64.479	0.285
76.0000	64.763	0.222
78.0000	64.889	0.254
80.0000	65.078	0.285
82.0000	65.363	0.317
84.0000	65.520	0.317
86.0000	65.804	0.349
88.0000	66.120	0.349
90.0000	66.278	0.349
92.0000	66.278	0.380
94.0000	66.372	0.412
96.0000	66.751	0.412
98.0000	66.846	0.412
100.000	67.066	0.444
120.000	68.487	0.635
140.000	69.339	0.825
160.000	70.159	1.047
180.000	71.011	1.206
200.000	71.895	1.397
220.000	72.494	1.555
240.000	72.936	1.714

SE1000C
Environmental Logger
10/18 14:12

Unit# 02011 Test 1

Setups:	INPUT 1	INPUT 2
Type	Level (F)	Level (F)
Mode	TOC	TOC
I.D.	00000	00000
Reference	0.000	0.000
Linearity	0.360	0.430
Scale factor	99.760	100.320
Offset	-0.370	0.090
Delay mSEC	50.000	50.000

Step 1 10/17 15:44:50

PIXMP971 PIXMP97-1

Elapsed Time	INPUT 1	INPUT 2
0.0000	73.851	1.937
0.0033	73.630	1.937
0.0066	73.630	1.968
0.0100	73.662	1.968
0.0133	73.788	1.968
0.0166	72.873	1.968
0.0200	68.455	1.968
0.0233	70.128	1.937
0.0266	73.409	1.937
0.0300	74.481	1.968
0.0333	74.829	1.968
0.0366	72.620	1.968
0.0400	73.504	1.968
0.0433	73.125	1.937
0.0466	72.904	1.937
0.0500	72.999	1.937
0.0533	72.904	1.968
0.0566	72.810	1.968
0.0600	72.778	1.968
0.0633	72.715	1.968
0.0666	72.683	1.968
0.0700	72.620	1.968
0.0733	72.526	1.937
0.0766	72.462	1.968
0.0800	72.368	1.968
0.0833	72.273	1.968
0.0866	72.210	1.968
0.0900	72.179	1.968
0.0933	72.115	1.968

0.0966	72.052	1.968
0.1000	72.021	1.968
0.1033	71.926	1.968
0.1066	71.863	1.968
0.1100	71.800	1.968
0.1133	71.737	1.968
0.1166	71.642	1.968
0.1200	71.611	1.968
0.1233	71.547	1.968
0.1266	71.453	1.968
0.1300	71.421	1.968
0.1333	71.358	1.968
0.1366	71.295	1.968
0.1400	71.232	1.968
0.1433	71.137	1.968
0.1466	71.043	1.968
0.1500	71.043	2.000
0.1533	70.979	1.968
0.1566	70.916	1.968
0.1600	70.853	1.968
0.1633	70.759	1.968
0.1666	70.759	1.968
0.1700	70.664	1.968
0.1733	70.633	1.968
0.1766	70.538	2.000
0.1800	70.506	1.968
0.1833	70.412	1.968
0.1866	70.412	1.968
0.1900	70.317	1.968
0.1933	70.254	1.968
0.1966	70.222	1.968
0.2000	70.128	1.968
0.2033	70.064	1.968
0.2066	70.033	1.968
0.2100	69.970	1.968
0.2133	69.907	1.968
0.2166	69.844	1.968
0.2200	69.812	1.968
0.2233	69.749	1.968
0.2266	69.686	1.968
0.2300	69.655	1.968
0.2333	69.560	1.968
0.2366	69.528	1.968
0.2400	69.465	1.937
0.2433	69.402	1.968
0.2466	69.370	1.968
0.2500	69.307	1.968
0.2533	69.276	1.968
0.2566	69.213	1.968
0.2600	69.181	1.968
0.2633	69.086	1.968
0.2666	69.055	1.968

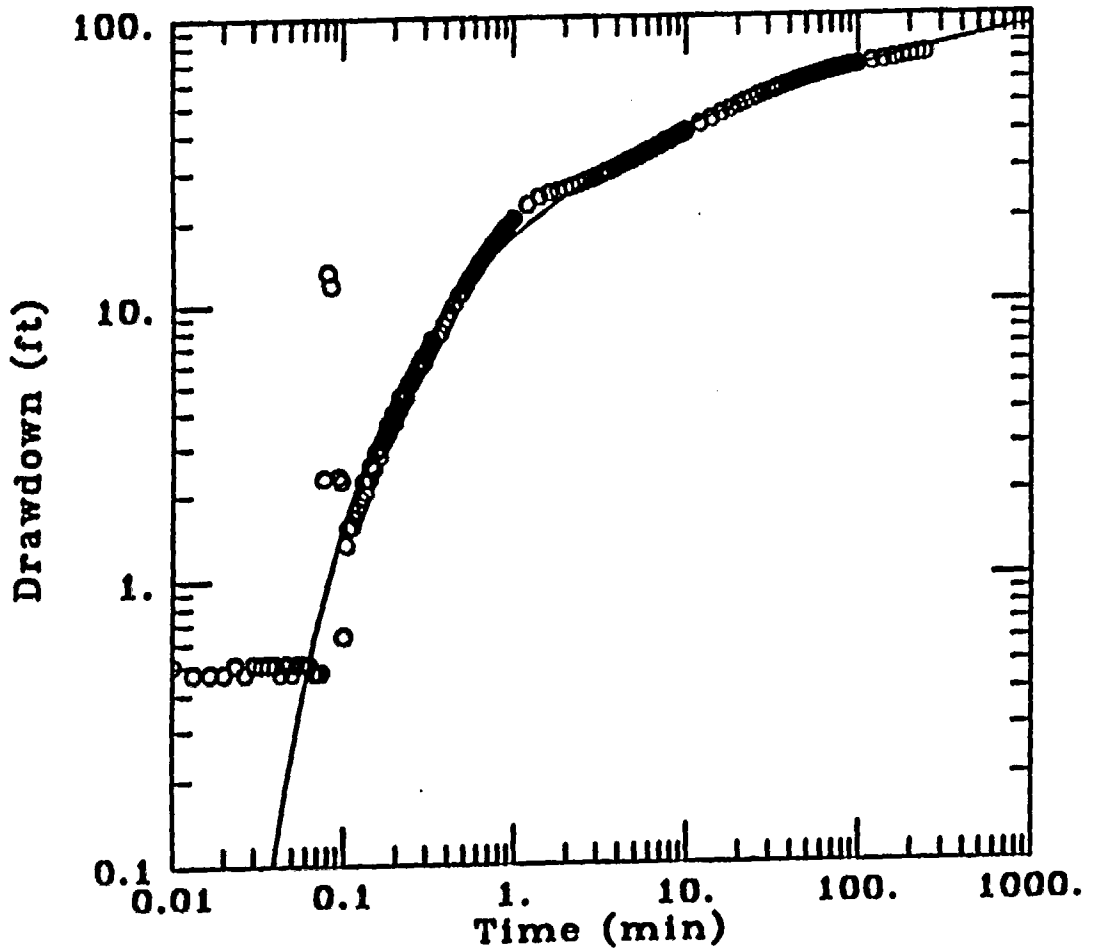
0.2700	68.992	1.968
0.2733	68.960	1.968
0.2766	68.897	2.000
0.2800	68.834	1.968
0.2833	68.802	1.968
0.2866	68.739	1.968
0.2900	68.676	1.968
0.2933	68.644	1.968
0.2966	68.613	1.968
0.3000	68.550	1.968
0.3033	68.487	1.968
0.3066	68.455	1.968
0.3100	68.392	1.968
0.3133	68.361	1.968
0.3166	68.298	1.968
0.3200	68.266	1.968
0.3233	68.203	2.000
0.3266	68.140	1.968
0.3300	68.108	1.968
0.3333	68.077	1.968
0.3500	67.824	1.968
0.3666	67.603	1.968
0.3833	67.350	1.968
0.4000	67.130	2.000
0.4166	66.941	1.968
0.4333	66.720	1.968
0.4500	66.562	1.968
0.4666	66.372	2.000
0.4833	66.151	1.968
0.5000	65.994	1.968
0.5166	65.836	1.968
0.5333	65.678	1.968
0.5500	65.552	1.968
0.5666	65.394	1.968
0.5833	65.268	1.968
0.6000	65.141	1.968
0.6166	64.984	1.968
0.6333	64.857	1.968
0.6500	64.731	2.000
0.6666	64.605	2.000
0.6833	64.510	1.968
0.7000	64.416	2.000
0.7166	64.289	1.968
0.7333	64.163	1.968
0.7500	64.068	1.968
0.7666	63.942	1.968
0.7833	63.785	1.968
0.8000	63.690	1.968
0.8166	63.595	1.968
0.8333	63.469	1.968
0.8500	63.343	1.968
0.8666	63.216	1.968

0.8833	63.122	1.968
0.9000	62.996	2.000
0.9166	62.901	2.000
0.9333	62.775	1.968
0.9500	62.680	1.968
0.9666	62.553	1.968
0.9833	62.459	1.968
1.0000	62.333	2.000
1.2000	60.786	2.000
1.4000	59.524	2.000
1.6000	58.356	1.968
1.8000	57.219	1.968
2.0000	56.146	1.968
2.2000	55.136	2.000
2.4000	54.157	1.968
2.6000	53.210	2.000
2.8000	52.326	2.000
3.0000	51.474	1.968
3.2000	50.621	2.000
3.4000	49.863	2.000
3.6000	49.074	2.000
3.8000	48.379	2.000
4.0000	47.653	2.000
4.2000	46.990	2.032
4.4000	46.358	2.000
4.6000	45.727	2.000
4.8000	45.125	2.000
5.0000	44.526	2.000
5.2000	43.958	2.000
5.4000	43.421	2.000
5.6000	42.915	2.032
5.8000	42.410	2.000
6.0000	41.905	2.032
6.2000	41.463	2.000
6.4000	40.989	2.032
6.6000	40.547	2.000
6.8000	40.137	2.032
7.0000	39.694	2.032
7.2000	39.314	2.032
7.4000	38.904	2.032
7.6000	38.525	2.032
7.8000	38.178	2.063
8.0000	37.798	2.063
8.2000	37.452	2.032
8.4000	37.104	2.063
8.6000	36.757	2.063
8.8000	36.440	2.032
9.0000	36.125	2.063
9.2000	35.809	2.063
9.4000	35.524	2.063
9.6000	35.209	2.063
9.8000	34.924	2.063

10.0000	34.640	2.063
12.0000	32.113	2.095
14.0000	29.934	2.095
16.0000	28.101	2.127
18.0000	26.521	2.095
20.0000	25.130	2.159
22.0000	23.866	2.159
24.0000	22.697	2.190
26.0000	21.655	2.190
28.0000	20.738	2.222
30.0000	19.853	2.222
32.0000	19.063	2.222
34.0000	18.305	2.222
36.0000	17.609	2.254
38.0000	16.977	2.254
40.0000	16.439	2.254
42.0000	15.871	2.286
44.0000	15.397	2.286
46.0000	14.923	2.286
48.0000	14.448	2.318
50.0000	14.005	2.286
52.0000	13.657	2.318
54.0000	13.278	2.318
56.0000	12.963	2.349
58.0000	12.646	2.318
60.0000	12.330	2.318
62.0000	12.046	2.349
64.0000	11.761	2.349
66.0000	11.508	2.349
68.0000	11.255	2.318
70.0000	11.034	2.318
72.0000	10.844	2.349
74.0000	10.623	2.349
76.0000	10.434	2.318
78.0000	10.244	2.318
80.0000	10.085	2.318
82.0000	9.896	2.318
84.0000	9.738	2.349
86.0000	9.580	2.318
88.0000	9.421	2.318
90.0000	9.264	2.318
92.0000	9.169	2.318
94.0000	9.042	2.318
96.0000	8.884	2.318
98.0000	8.789	2.318
100.000	8.695	2.286
120.000	7.746	2.222
140.000	7.051	2.190
160.000	6.512	2.159
180.000	6.134	2.063
200.000	5.786	2.032

Lidstone & Anderson, Inc.	Client: Power Resources, Inc.
Project No.: WYPRI02	Location: East Gas Hills, Wyoming.

Constant Rate Test: PIXMP97-1



DATA SET:
pixmp-cr.aqd
12/04/97

AQUIFER TYPE:
Confined
SOLUTION METHOD:
Theis
TEST DATE:
10-17-97
TEST WELL:
PIXMP97-1
OBS. WELL:
PIXMP97-1

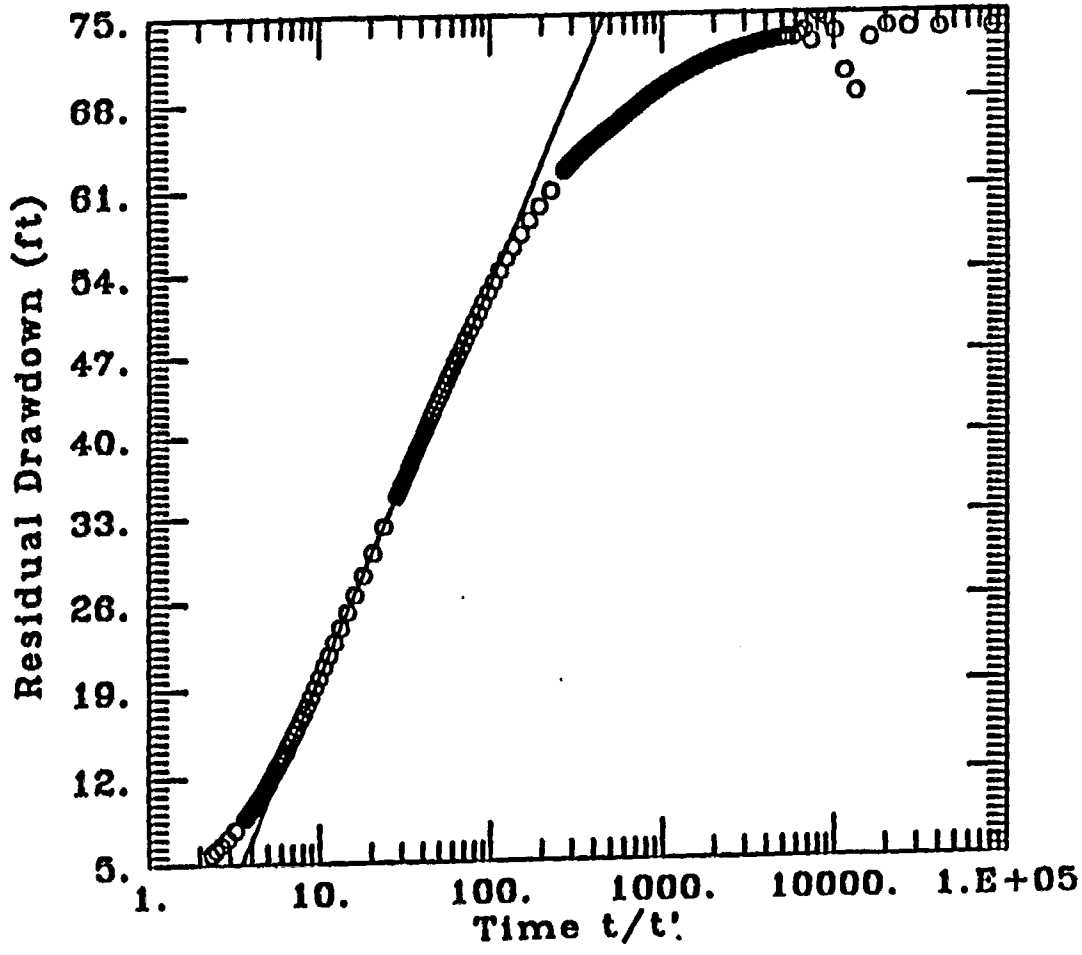
ESTIMATED PARAMETERS:
T = 0.01003 ft^2/min

TEST DATA:
Q = 1.38 ft^3/min
r = 1. ft

D6-6-11

Lidstone & Anderson, Inc.	Client: Power Resources, Inc.
Project No.: WYPRI02	Location: East Gas Hills, Wyoming.

Recovery Test: PIXMP97-1

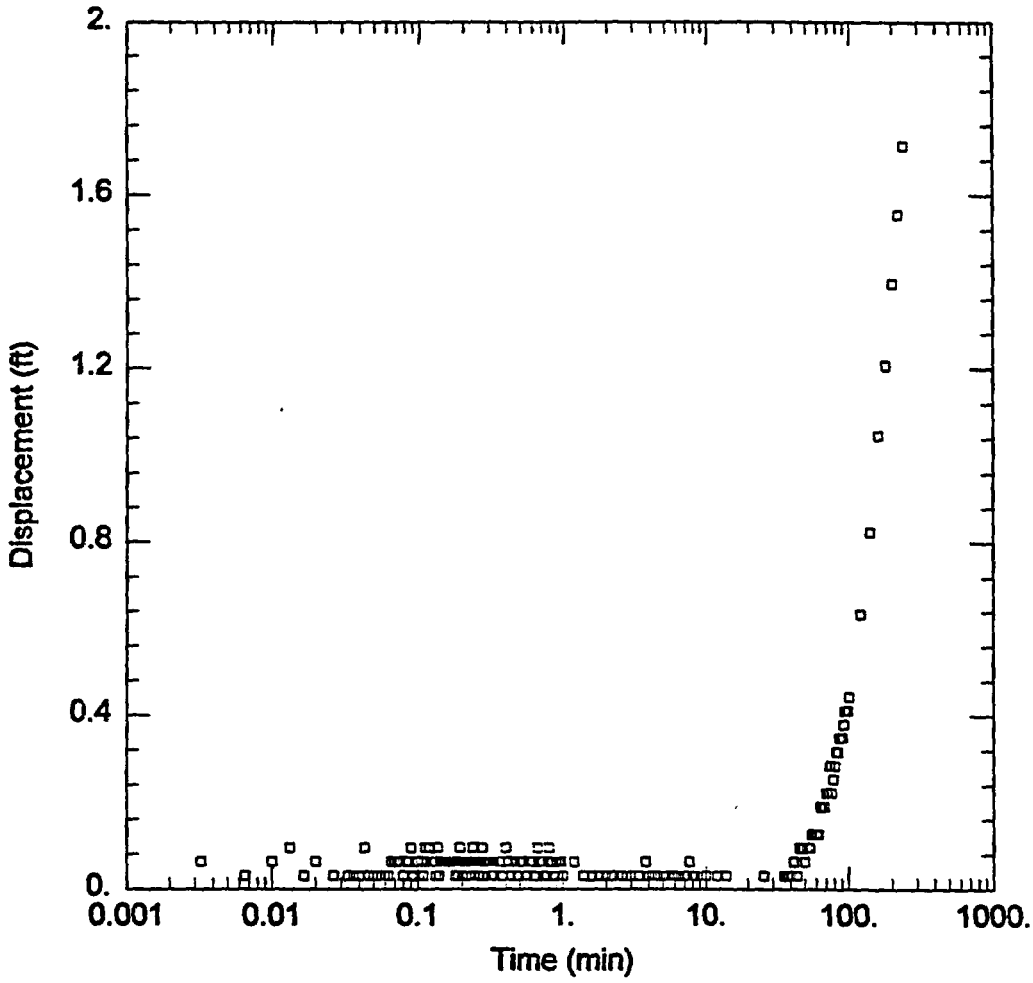


DATA SET:
pixmp-r.aqd
12/04/97

AQUIFER TYPE:
Confined
SOLUTION METHOD:
Theis Recovery
TEST DATE:
10-17-97
TEST WELL:
PIXMP97-1
OBS. WELL:
PIXMP97-1

ESTIMATED PARAMETERS:
T = 0.007855 ft^2/min
-

TEST DATA:
Q = 1.38 ft^3/min
t pumping = 270. min



PIXMP97-1 CONSTANT RATE TEST: PIXMO97-1

Data Set:
Date: 01/20/98 Time: 09:51:34

PROJECT INFORMATION

Company: Lidstone & Anderson, Inc.
Client: Power Resources, Inc.
Project: WYPRI02
Test Location: Gas Hills, Wyoming
Test Well: PIXMP97-1
Test Date: 10-17-97

WELL DATA

Pumping Wells

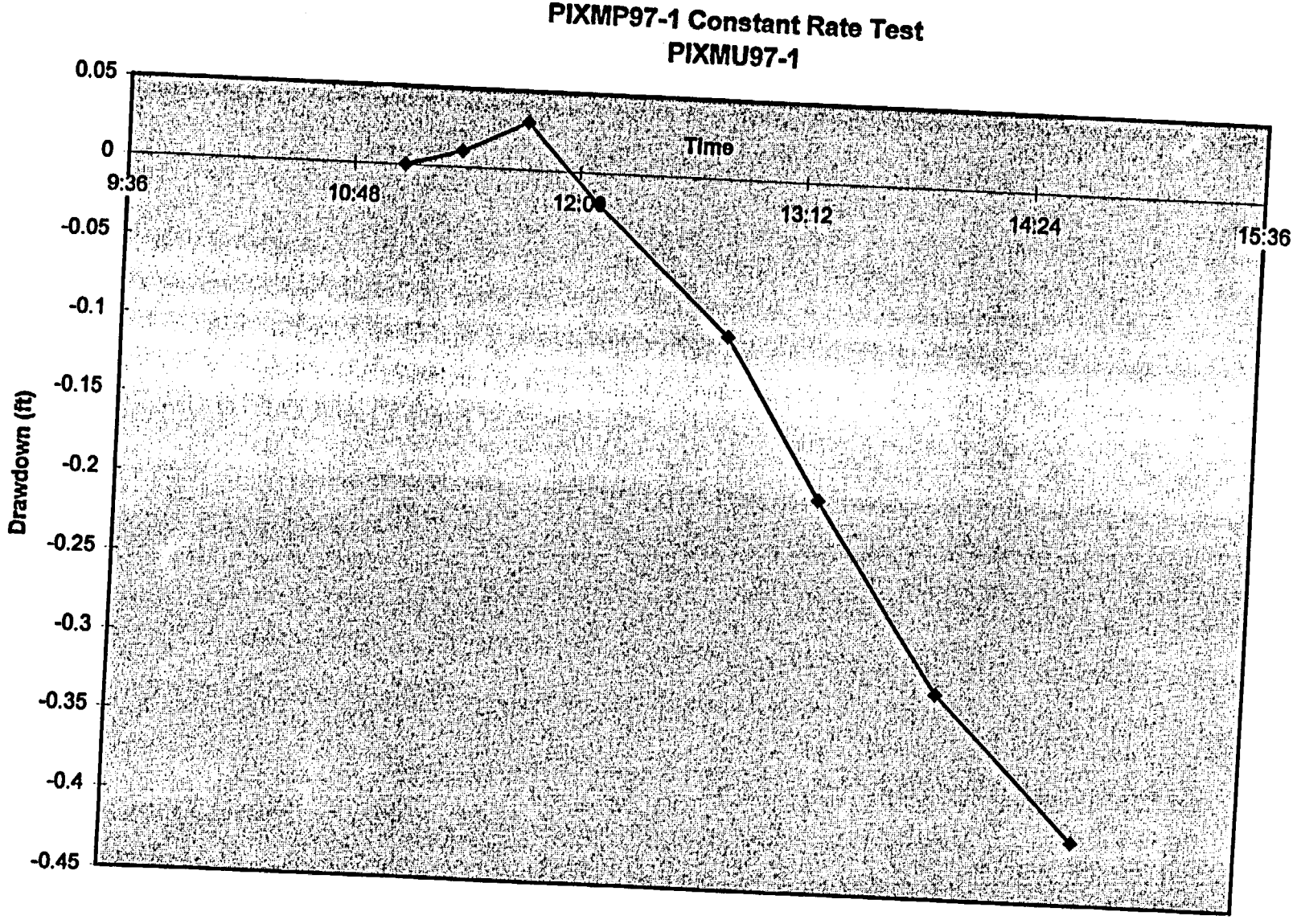
Well Name	X (ft)	Y (ft)
PIXMP97-1	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
▫ OW 1	0	20

PIXMP97-1 Constant Rate Test - Measurements in PIXMU97-1				
Time	Water Level (ft)	Change in Head (ft)		
11:04	103.59	0		
11:22	103.6	0.01		
11:43	103.62	0.03		
12:06	103.57	-0.02		
12:49	103.49	-0.1		
13:20	103.39	-0.2		
14:00	103.27	-0.32		
14:45	103.18	-0.41		

pixmu chart



D6-6-6-15

SE1000C
Environmental Logger
10/21 09:42

Unit# 02011 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.430
Scale factor	100.320
Offset	0.090
Delay mSEC	50.000

Step 0 10/19 11:29:30

Elapsed Time	INPUT 1
0.0000	-65.332
0.0033	-65.332
0.0066	-65.332
0.0100	-65.332
0.0133	-65.332
0.0166	-65.364
0.0200	-65.141
0.0233	-63.332
0.0266	-63.268
0.0300	-66.126
0.0333	-65.903
0.0366	-64.760
0.0400	-65.173
0.0433	-65.173
0.0466	-65.141
0.0500	-65.110
0.0533	-65.046
0.0566	-65.046
0.0600	-65.014
0.0633	-65.014
0.0666	-64.951
0.0700	-64.951
0.0733	-64.951
0.0766	-64.887
0.0800	-64.887
0.0833	-64.824
0.0866	-64.760
0.0900	-64.792
0.0933	-64.792
0.0966	-64.728

0.1000	-64.728
0.1033	-64.728
0.1066	-64.665
0.1100	-64.633
0.1133	-64.602
0.1166	-64.602
0.1200	-64.570
0.1233	-64.570
0.1266	-64.506
0.1300	-64.506
0.1333	-64.475
0.1366	-64.443
0.1400	-64.411
0.1433	-64.411
0.1466	-64.379
0.1500	-64.347
0.1533	-64.347
0.1566	-64.284
0.1600	-64.316
0.1633	-64.189
0.1666	-64.221
0.1700	-64.221
0.1733	-64.157
0.1766	-64.157
0.1800	-64.157
0.1833	-64.094
0.1866	-64.094
0.1900	-64.062
0.1933	-63.998
0.1966	-64.030
0.2000	-63.967
0.2033	-63.935
0.2066	-63.935
0.2100	-63.935
0.2133	-63.871
0.2166	-63.871
0.2200	-63.840
0.2233	-63.808
0.2266	-63.840
0.2300	-63.744
0.2333	-63.744
0.2366	-63.744
0.2400	-63.681
0.2433	-63.681
0.2466	-63.649
0.2500	-63.649
0.2533	-63.586
0.2566	-63.649
0.2600	-63.554
0.2633	-63.522
0.2666	-63.522
0.2700	-63.458

0.2733	-63.522
0.2766	-63.458
0.2800	-63.427
0.2833	-63.427
0.2866	-63.395
0.2900	-63.332
0.2933	-63.300
0.2966	-63.332
0.3000	-63.268
0.3033	-63.236
0.3066	-63.268
0.3100	-63.204
0.3133	-63.204
0.3166	-63.173
0.3200	-63.173
0.3233	-63.173
0.3266	-63.078
0.3300	-63.078
0.3333	-63.046
0.3500	-62.951
0.3666	-62.792
0.3833	-62.665
0.4000	-62.570
0.4166	-62.379
0.4333	-62.347
0.4500	-62.157
0.4666	-62.030
0.4833	-61.998
0.5000	-61.808
0.5166	-61.712
0.5333	-61.617
0.5500	-61.427
0.5666	-61.395
0.5833	-61.299
0.6000	-61.173
0.6166	-61.014
0.6333	-60.887
0.6500	-60.824
0.6666	-60.696
0.6833	-60.538
0.7000	-60.474
0.7166	-60.284
0.7333	-60.252
0.7500	-60.125
0.7666	-60.061
0.7833	-59.871
0.8000	-59.776
0.8166	-59.681
0.8333	-59.617
0.8500	-59.490
0.8666	-59.331
0.8833	-59.236

0.9000	-59.141
0.9166	-59.046
0.9333	-58.887
0.9500	-58.823
0.9666	-58.665
0.9833	-58.601
1.0000	-58.537
1.2000	-56.855
1.4000	-55.712
1.6000	-54.538
1.8000	-53.491
2.0000	-52.380
2.2000	-51.333
2.4000	-50.412
2.6000	-49.555
2.8000	-48.699
3.0000	-48.032
3.2000	-47.302
3.4000	-46.604
3.6000	-45.970
3.8000	-45.303
4.0000	-44.700
4.2000	-44.097
4.4000	-43.431
4.6000	-42.923
4.8000	-42.257
5.0000	-41.718
5.2000	-41.210
5.4000	-40.639
5.6000	-40.132
5.8000	-39.624
6.0000	-39.053
6.2000	-38.577
6.4000	-38.038
6.6000	-37.594
6.8000	-37.182
7.0000	-36.642
7.2000	-36.198
7.4000	-35.754
7.6000	-35.310
7.8000	-34.866
8.0000	-34.390
8.2000	-34.010
8.4000	-33.629
8.6000	-33.249
8.8000	-32.868
9.0000	-32.456
9.2000	-32.044
9.4000	-31.726
9.6000	-31.283
9.8000	-30.997
10.0000	-30.616

12.0000	-27.350
14.0000	-24.528
16.0000	-22.119
18.0000	-19.931
20.0000	-17.998
22.0000	-16.223
24.0000	-14.575
26.0000	-13.117
28.0000	-11.723
30.0000	-10.455
32.0000	-9.314
34.0000	-8.300
36.0000	-7.223
38.0000	-6.209
40.0000	-5.322
42.0000	-4.435
44.0000	-3.706
46.0000	-2.724
48.0000	-1.869
50.0000	-1.108
52.0000	-0.380
54.0000	0.316
56.0000	0.982
58.0000	1.520
60.0000	2.122
62.0000	2.629
64.0000	3.198
66.0000	3.674
68.0000	4.244
70.0000	4.751
72.0000	5.131
74.0000	5.605
76.0000	5.954
78.0000	6.461
80.0000	6.809
82.0000	7.252
84.0000	7.632
86.0000	7.949
88.0000	8.298
90.0000	8.582
92.0000	8.962
94.0000	9.310
96.0000	9.596
98.0000	9.881
100.000	10.229
120.000	12.857
140.000	14.978
160.000	16.719
180.000	18.144
200.000	19.379
220.000	20.550

SE1000C
Environmental Logger
10/21 09:45

Unit# 02011 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.430
Scale factor	100.320
Offset	0.090
Delay mSEC	50.000

Step 1 10/19 15:13:25

Elapsed Time	INPUT 1
0.0000	20.708
0.0033	20.708
0.0066	20.708
0.0100	20.708
0.0133	20.645
0.0166	20.708
0.0200	20.708
0.0233	20.739
0.0266	20.771
0.0300	20.455
0.0333	20.391
0.0366	20.581
0.0400	20.518
0.0433	20.739
0.0466	20.613
0.0500	20.487
0.0533	20.581
0.0566	20.455
0.0600	20.360
0.0633	20.455
0.0666	20.391
0.0700	20.265
0.0733	20.328
0.0766	20.265
0.0800	20.296
0.0833	20.233
0.0866	20.233
0.0900	20.170
0.0933	20.138

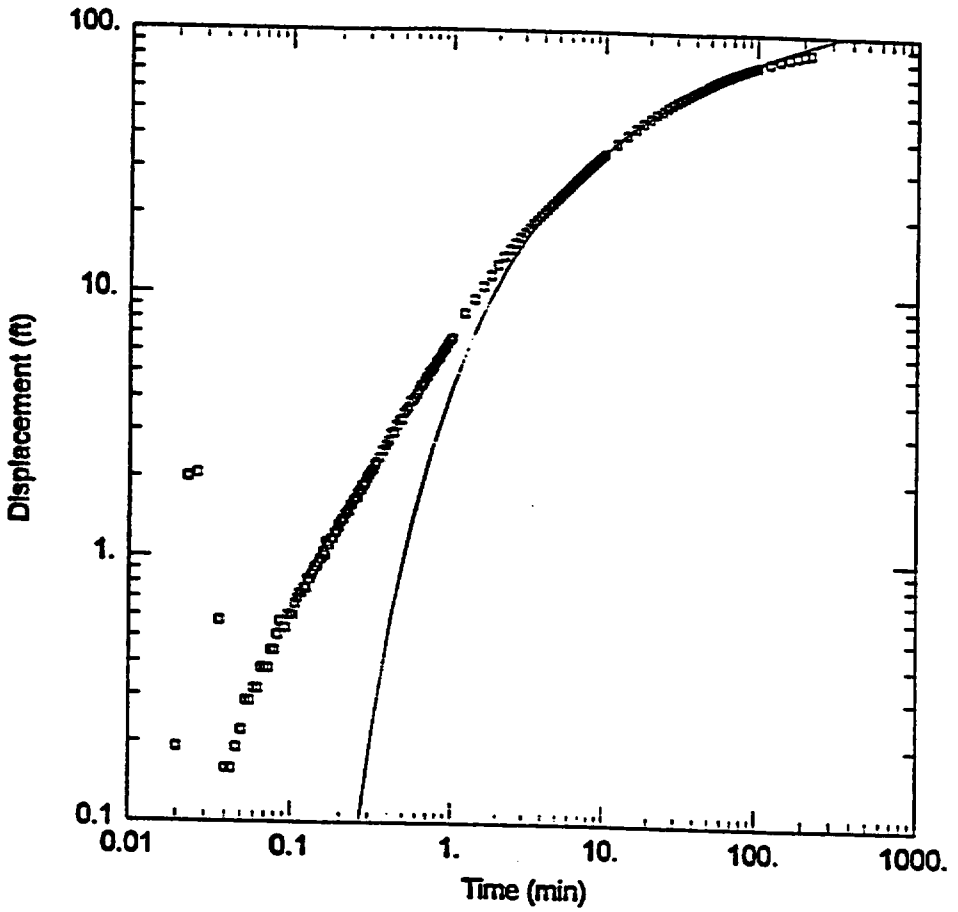
0.0966	20.138
0.1000	20.107
0.1033	20.075
0.1066	20.043
0.1100	20.011
0.1133	19.980
0.1166	19.980
0.1200	19.948
0.1233	19.917
0.1266	19.885
0.1300	19.853
0.1333	19.822
0.1366	19.822
0.1400	19.790
0.1433	19.727
0.1466	19.727
0.1500	19.695
0.1533	19.663
0.1566	19.632
0.1600	19.600
0.1633	19.600
0.1666	19.537
0.1700	19.537
0.1733	19.505
0.1766	19.473
0.1800	19.442
0.1833	19.410
0.1866	19.410
0.1900	19.379
0.1933	19.347
0.1966	19.315
0.2000	19.283
0.2033	19.252
0.2066	19.220
0.2100	19.220
0.2133	19.189
0.2166	19.157
0.2200	19.125
0.2233	19.094
0.2266	19.062
0.2300	19.062
0.2333	19.030
0.2366	18.999
0.2400	18.967
0.2433	18.935
0.2466	18.904
0.2500	18.904
0.2533	18.872
0.2566	18.840
0.2600	18.809
0.2633	18.777
0.2666	18.745

0.2700	18.714
0.2733	18.714
0.2766	18.682
0.2800	18.650
0.2833	18.619
0.2866	18.587
0.2900	18.555
0.2933	18.555
0.2966	18.524
0.3000	18.492
0.3033	18.461
0.3066	18.429
0.3100	18.429
0.3133	18.397
0.3166	18.366
0.3200	18.334
0.3233	18.302
0.3266	18.302
0.3300	18.270
0.3333	18.239
0.3500	18.112
0.3666	17.986
0.3833	17.827
0.4000	17.701
0.4166	17.574
0.4333	17.448
0.4500	17.321
0.4666	17.163
0.4833	17.036
0.5000	16.909
0.5166	16.783
0.5333	16.656
0.5500	16.498
0.5666	16.371
0.5833	16.245
0.6000	16.118
0.6166	15.991
0.6333	15.865
0.6500	15.738
0.6666	15.611
0.6833	15.485
0.7000	15.358
0.7166	15.231
0.7333	15.105
0.7500	14.978
0.7666	14.852
0.7833	14.725
0.8000	14.598
0.8166	14.503
0.8333	14.377
0.8500	14.250
0.8666	14.123

0.8833	13.997
0.9000	13.870
0.9166	13.775
0.9333	13.648
0.9500	13.522
0.9666	13.395
0.9833	13.300
1.0000	13.174
1.2000	11.559
1.4000	10.229
1.6000	8.962
1.8000	7.822
2.0000	6.714
2.2000	5.701
2.4000	4.719
2.6000	3.864
2.8000	3.072
3.0000	2.343
3.2000	1.678
3.4000	1.077
3.6000	0.570
3.8000	0.031
4.0000	-0.475
4.2000	-0.918
4.4000	-1.457
4.6000	-1.900
4.8000	-2.375
5.0000	-2.819
5.2000	-3.294
5.4000	-3.706
5.6000	-4.150
5.8000	-4.593
6.0000	-5.005
6.2000	-5.417
6.4000	-5.829
6.6000	-6.240
6.8000	-6.621
7.0000	-7.001
7.2000	-7.381
7.4000	-7.761
7.6000	-8.110
7.8000	-8.459
8.0000	-8.808
8.2000	-9.187
8.4000	-9.536
8.6000	-9.853
8.8000	-10.201
9.0000	-10.550
9.2000	-10.835
9.4000	-11.152
9.6000	-11.501
9.8000	-11.786

10.0000	-12.103
12.0000	-14.955
14.0000	-17.396
16.0000	-19.646
18.0000	-21.580
20.0000	-23.387
22.0000	-25.035
24.0000	-26.526
26.0000	-27.953
28.0000	-29.221
30.0000	-30.394
32.0000	-31.473
34.0000	-32.519
36.0000	-33.439
38.0000	-34.359
40.0000	-35.183
42.0000	-35.976
44.0000	-36.769
46.0000	-37.499
48.0000	-38.165
50.0000	-38.799
52.0000	-39.402
54.0000	-39.941
56.0000	-40.513
58.0000	-41.020
60.0000	-41.528
62.0000	-42.035
64.0000	-42.511
66.0000	-42.923
68.0000	-43.336
70.0000	-43.748
72.0000	-44.161
74.0000	-44.510
76.0000	-44.891
78.0000	-45.240
80.0000	-45.557
82.0000	-45.906
84.0000	-46.223
86.0000	-46.541
88.0000	-46.794
90.0000	-47.112
92.0000	-47.366
94.0000	-47.651
96.0000	-47.905
98.0000	-48.127
100.000	-48.413
120.000	-50.476
140.000	-52.158
160.000	-53.491
180.000	-54.538
200.000	-55.490
220.000	-56.252

240.000 -56.982



CONSTANT RATE TEST: PIXMO97-1

Data Set:
Date: 01/06/98 Time: 16:16:17

PROJECT INFORMATION

Company: Lidstone & Anderson, Inc.
Client: Power Resources, Inc.
Project: WYPRI02
Test Location: East Gas Hills, Wyoming.
Test Well: PIXMO97-1
Test Date: 10-19-97

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
PIXMO97-1	0	0

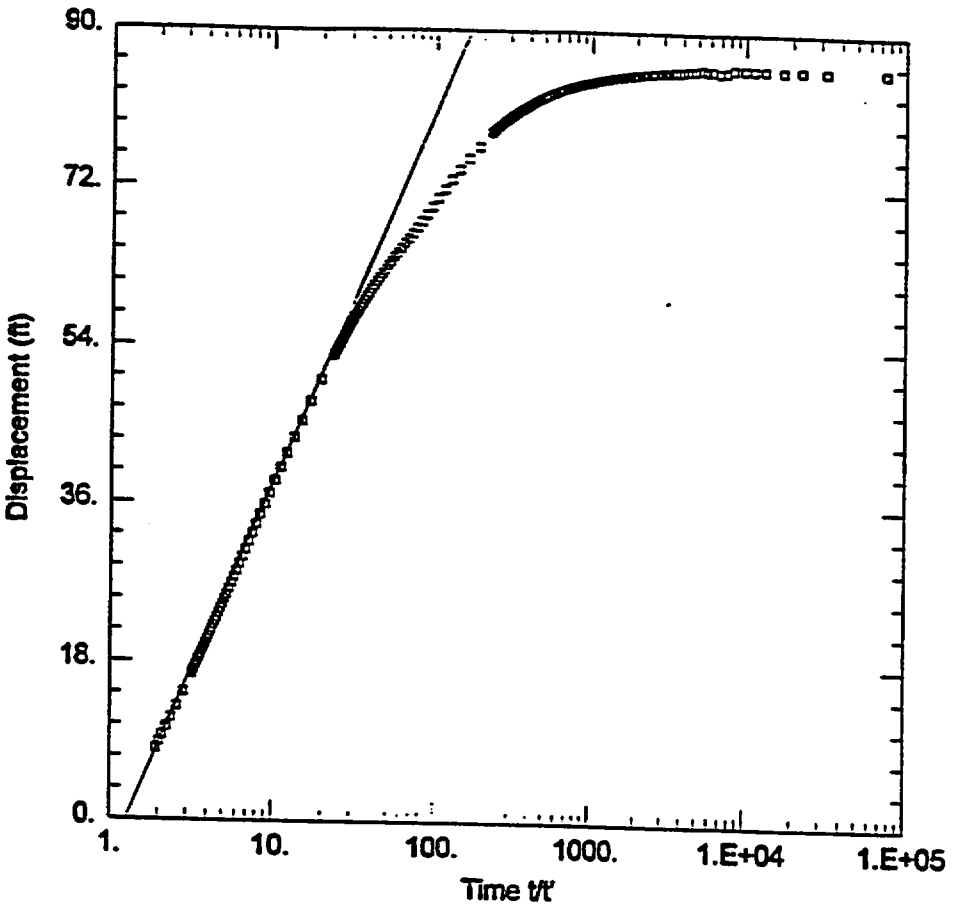
Observation Wells

Well Name	X (ft)	Y (ft)
▫ PIXMO97-1	1	0

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

$T = 0.003786\ ft^2/min$



RECOVERY TEST: PIXMO97-1

Data Set:
Date: 01/06/98 Time: 16:07:58

PROJECT INFORMATION

Company: Lidstone & Anderson, Inc.
Client: Power Resources, Inc.
Project: WYPRI02
Test Location: East Gas Hills, Wyoming.
Test Well: PIXMO97-1
Test Date: 10-19-97

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
PIXMO97-1	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
▫ PIXMO97-1	1	0

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

$T = 0.003883$ ft^2/min

SE1000C
Environmental Logger
10/19 11:04

Unit# 02011 Test 2

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.430
Scale factor	100.320
Offset	0.090
Delay mSEC	50.000

Step 0 10/18 13:05:47

Elapsed Time	INPUT 1
0.0000	0.033
0.0033	0.033
0.0066	0.033
0.0100	0.033
0.0133	0.033
0.0166	0.065
0.0200	0.319
0.0233	1.876
0.0266	3.401
0.0300	-0.475
0.0333	-2.827
0.0366	1.113
0.0400	2.066
0.0433	-0.857
0.0466	-0.475
0.0500	1.050
0.0533	0.383
0.0566	-0.094
0.0600	0.477
0.0633	0.605
0.0666	0.287
0.0700	0.415
0.0733	0.541
0.0766	0.477
0.0800	0.509
0.0833	0.541
0.0866	0.637
0.0900	0.573
0.0933	0.637

0.0966	0.637
0.1000	0.668
0.1033	0.700
0.1066	0.764
0.1100	0.732
0.1133	0.796
0.1166	0.828
0.1200	0.796
0.1233	0.860
0.1266	0.860
0.1300	0.954
0.1333	0.922
0.1366	0.986
0.1400	1.018
0.1433	1.018
0.1466	1.082
0.1500	1.050
0.1533	1.082
0.1566	1.113
0.1600	1.145
0.1633	1.209
0.1666	1.177
0.1700	1.240
0.1733	1.240
0.1766	1.240
0.1800	1.304
0.1833	1.367
0.1866	1.335
0.1900	1.367
0.1933	1.367
0.1966	1.367
0.2000	1.431
0.2033	1.463
0.2066	1.495
0.2100	1.527
0.2133	1.527
0.2166	1.557
0.2200	1.589
0.2233	1.589
0.2266	1.685
0.2300	1.589
0.2333	1.685
0.2366	1.717
0.2400	1.780
0.2433	1.717
0.2466	1.812
0.2500	1.812
0.2533	1.876
0.2566	1.844
0.2600	1.972
0.2633	1.908
0.2666	1.972

0.2700	2.002
0.2733	2.034
0.2766	1.972
0.2800	2.034
0.2833	2.066
0.2866	2.130
0.2900	2.130
0.2933	2.162
0.2966	2.162
0.3000	2.162
0.3033	2.194
0.3066	2.225
0.3100	2.194
0.3133	2.289
0.3166	2.289
0.3200	2.321
0.3233	2.384
0.3266	2.384
0.3300	2.417
0.3333	2.384
0.3500	2.575
0.3666	2.702
0.3833	2.765
0.4000	2.924
0.4166	2.988
0.4333	3.178
0.4500	3.242
0.4666	3.401
0.4833	3.560
0.5000	3.623
0.5166	3.751
0.5333	3.813
0.5500	4.036
0.5666	4.132
0.5833	4.196
0.6000	4.290
0.6166	4.418
0.6333	4.576
0.6500	4.735
0.6666	4.735
0.6833	4.799
0.7000	4.989
0.7166	5.021
0.7333	5.147
0.7500	5.370
0.7666	5.434
0.7833	5.466
0.8000	5.656
0.8166	5.752
0.8333	5.814
0.8500	6.007
0.8666	6.037

0.8833	6.165
0.9000	6.261
0.9166	6.355
0.9333	6.451
0.9500	6.546
0.9666	6.674
0.9833	6.800
1.0000	6.896
1.2000	8.420
1.4000	9.754
1.6000	10.929
1.8000	12.073
2.0000	13.089
2.2000	13.883
2.4000	14.614
2.6000	15.026
2.8000	15.344
3.0000	15.439
3.2000	15.821
3.4000	15.916
3.6000	16.233
3.8000	16.646
4.0000	16.932
4.2000	17.186
4.4000	17.503
4.6000	17.821
4.8000	18.043
5.0000	18.329
5.2000	18.615
5.4000	18.932
5.6000	19.123
5.8000	19.409
6.0000	19.726
6.2000	20.044
6.4000	20.202
6.6000	20.552
6.8000	20.869
7.0000	21.092
7.2000	21.282
7.4000	21.631
7.6000	21.790
7.8000	22.203
8.0000	22.393
8.2000	22.647
8.4000	22.933
8.6000	23.123
8.8000	23.472
9.0000	23.695
9.2000	23.885
9.4000	24.171
9.6000	24.489
9.8000	24.647

10.0000	24.870
12.0000	27.377
14.0000	29.631
16.0000	31.758
18.0000	33.789
20.0000	35.820
22.0000	37.533
24.0000	39.310
26.0000	41.086
28.0000	42.831
30.0000	44.259
32.0000	45.813
34.0000	47.272
36.0000	48.668
38.0000	50.127
40.0000	51.364
42.0000	52.728
44.0000	53.933
46.0000	55.074
48.0000	56.247
50.0000	57.421
52.0000	58.531
54.0000	59.513
56.0000	60.623
58.0000	61.701
60.0000	62.747
62.0000	63.603
64.0000	64.649
66.0000	65.569
68.0000	66.520
70.0000	67.407
72.0000	68.263
74.0000	69.150
76.0000	69.942
78.0000	70.798
80.0000	71.654
82.0000	72.541
84.0000	73.238
86.0000	74.031
88.0000	74.759
90.0000	75.583
92.0000	76.217
94.0000	77.168
96.0000	77.833
98.0000	78.657
100.000	79.322
120.000	85.626
140.000	91.232
160.000	96.077
180.000	100.541
200.000	104.435

SE1000C
Environmental Logger
10/19 11:07

Unit# 02011 Test 2

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.430
Scale factor	100.320
Offset	0.090
Delay mSEC	50.000

Step 1 10/18 16:37:28

Elapsed Time	INPUT 1
0.0000	106.619
0.0033	106.556
0.0066	106.556
0.0100	106.587
0.0133	106.524
0.0166	106.524
0.0200	106.492
0.0233	106.587
0.0266	106.556
0.0300	106.239
0.0333	106.049
0.0366	106.967
0.0400	106.207
0.0433	106.239
0.0466	106.840
0.0500	106.081
0.0533	106.397
0.0566	106.556
0.0600	106.176
0.0633	106.460
0.0666	106.270
0.0700	106.334
0.0733	106.270
0.0766	106.239
0.0800	106.270
0.0833	106.207
0.0866	106.239
0.0900	106.176
0.0933	106.176

0.0966	106.144
0.1000	106.144
0.1033	106.112
0.1066	106.081
0.1100	106.081
0.1133	106.081
0.1166	106.049
0.1200	106.049
0.1233	106.017
0.1266	106.017
0.1300	105.986
0.1333	105.954
0.1366	105.954
0.1400	105.923
0.1433	105.923
0.1466	105.923
0.1500	105.891
0.1533	105.859
0.1566	105.859
0.1600	105.828
0.1633	105.828
0.1666	105.796
0.1700	105.796
0.1733	105.764
0.1766	105.733
0.1800	105.733
0.1833	105.701
0.1866	105.701
0.1900	105.669
0.1933	105.669
0.1966	105.638
0.2000	105.638
0.2033	105.606
0.2066	105.606
0.2100	105.575
0.2133	105.575
0.2166	105.543
0.2200	105.543
0.2233	105.511
0.2266	105.479
0.2300	105.479
0.2333	105.448
0.2366	105.448
0.2400	105.416
0.2433	105.416
0.2466	105.384
0.2500	105.384
0.2533	105.353
0.2566	105.353
0.2600	105.321
0.2633	105.321
0.2666	105.289

0.2700	105.289
0.2733	105.258
0.2766	105.258
0.2800	105.226
0.2833	105.226
0.2866	105.195
0.2900	105.195
0.2933	105.163
0.2966	105.131
0.3000	105.131
0.3033	105.131
0.3066	105.099
0.3100	105.068
0.3133	105.068
0.3166	105.068
0.3200	105.036
0.3233	105.005
0.3266	105.005
0.3300	104.973
0.3333	104.973
0.3500	104.910
0.3666	104.815
0.3833	104.720
0.4000	104.625
0.4166	104.530
0.4333	104.467
0.4500	104.372
0.4666	104.277
0.4833	104.213
0.5000	104.118
0.5166	104.023
0.5333	103.928
0.5500	103.834
0.5666	103.770
0.5833	103.675
0.6000	103.580
0.6166	103.486
0.6333	103.391
0.6500	103.327
0.6666	103.232
0.6833	103.169
0.7000	103.074
0.7166	102.979
0.7333	102.915
0.7500	102.821
0.7666	102.726
0.7833	102.662
0.8000	102.567
0.8166	102.472
0.8333	102.409
0.8500	102.314
0.8666	102.251

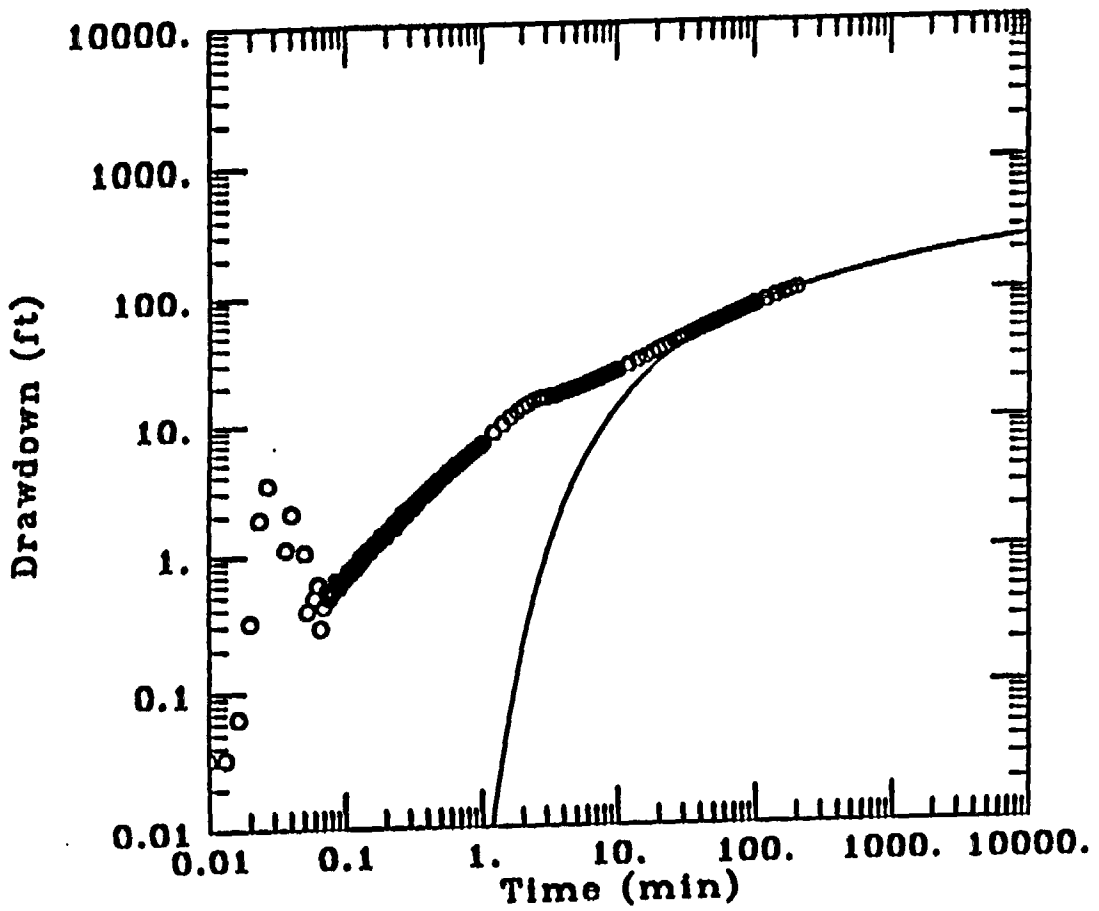
0.8833	102.156
0.9000	102.061
0.9166	101.997
0.9333	101.903
0.9500	101.839
0.9666	101.745
0.9833	101.681
1.0000	101.586
1.2000	100.478
1.4000	99.591
1.6000	98.736
1.8000	97.913
2.0000	97.122
2.2000	96.393
2.4000	95.697
2.6000	95.000
2.8000	94.399
3.0000	93.797
3.2000	93.227
3.4000	92.720
3.6000	92.245
3.8000	91.834
4.0000	91.454
4.2000	91.137
4.4000	90.852
4.6000	90.630
4.8000	90.408
5.0000	90.219
5.2000	90.028
5.4000	89.838
5.6000	89.680
5.8000	89.458
6.0000	89.300
6.2000	89.110
6.4000	88.920
6.6000	88.730
6.8000	88.540
7.0000	88.350
7.2000	88.192
7.4000	88.002
7.6000	87.811
7.8000	87.621
8.0000	87.463
8.2000	87.273
8.4000	87.115
8.6000	86.925
8.8000	86.735
9.0000	86.576
9.2000	86.418
9.4000	86.228
9.6000	86.069
9.8000	85.911

10.0000	85.721
12.0000	84.074
14.0000	82.522
16.0000	81.033
18.0000	79.639
20.0000	78.308
22.0000	77.009
24.0000	75.773
26.0000	74.601
28.0000	73.460
30.0000	72.414
32.0000	71.369
34.0000	70.355
36.0000	69.404
38.0000	68.485
40.0000	67.597
42.0000	66.710
44.0000	65.885
46.0000	65.061
48.0000	64.237
50.0000	63.476
52.0000	62.747
54.0000	62.018
56.0000	61.321
58.0000	60.623
60.0000	59.957
62.0000	59.260
64.0000	58.657
66.0000	58.023
68.0000	57.421
70.0000	56.787
72.0000	56.247
74.0000	55.677
76.0000	55.138
78.0000	54.599
80.0000	54.060
82.0000	53.521
84.0000	52.981
86.0000	52.474
88.0000	51.998
90.0000	51.491
92.0000	51.047
94.0000	50.571
96.0000	50.159
98.0000	49.683
100.000	49.207
120.000	45.211
140.000	41.721
160.000	38.707
180.000	36.073
200.000	33.693
220.000	31.535

240.000	29.631
260.000	27.949

Lidstone & Anderson, Inc.	Client: Power Resources, Inc.
Project No.: WYPRI02	Location: East Gas Hills, Wyoming.

Constant Rate Test: PIXMU97-1



DATA SET:
pixmu-cr.aqd
12/04/97

AQUIFER TYPE:
Confined
SOLUTION METHOD:
Theis
TEST DATE:
10-16-97
TEST WELL:
PIXMU97-1
OBS. WELL:
PIXMU97-1

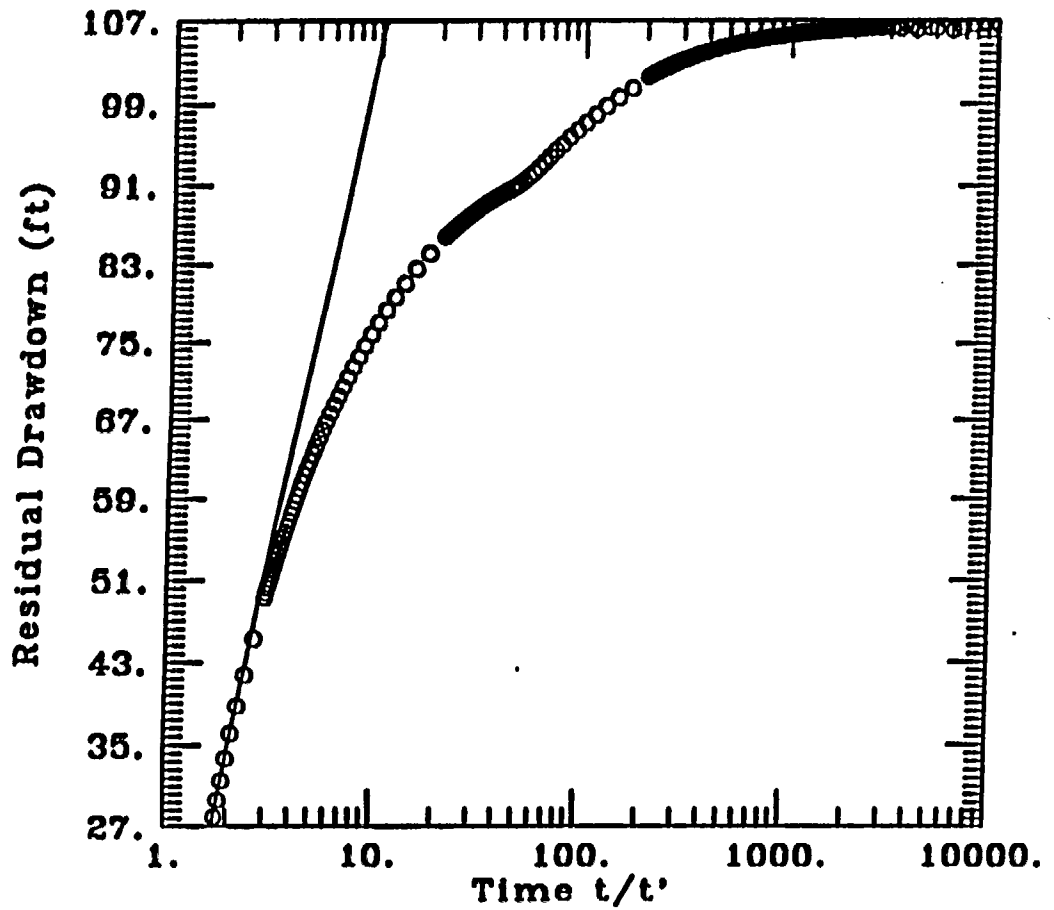
ESTIMATED PARAMETERS:
T = 0.0005609 ft^2/min

TEST DATA:
Q = 0.27 ft^3/min
r = 1. ft

D6-9-40

Lidstone & Anderson, Inc.	Client: Power Resources, Inc.
Project No.: WYPRI02	Location: East Gas Hills, Wyoming.

Recovery Test: PIXMU97-1



DATA SET:
pixmu-r.aqd
12/04/97

AQUIFER TYPE:
Confined
SOLUTION METHOD:
Theis Recovery
TEST DATE:
10-18-97
TEST WELL:
PIXMU97-1
OBS. WELL:
PIXMU97-1

ESTIMATED PARAMETERS:
T = 0.0004883 ft^2/min

TEST DATA:
Q = 0.27 ft^3/min
t pumping = 201. min

D6-6-41

SE1000C
Environmental Logger
10/21 09:49

Unit# 02011 Test 1

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.430
Scale factor	100.320
Offset	0.090
Delay mSEC	50.000

Step 0 10/20 09:59:10

Elapsed Time	INPUT 1
0.0000	1.013
0.0033	1.013
0.0066	1.013
0.0100	1.013
0.0133	1.013
0.0166	1.013
0.0200	1.013
0.0233	1.013
0.0266	5.384
0.0300	6.809
0.0333	0.475
0.0366	-0.823
0.0400	2.438
0.0433	2.312
0.0466	1.045
0.0500	1.678
0.0533	2.058
0.0566	1.773
0.0600	1.995
0.0633	2.090
0.0666	2.343
0.0700	2.312
0.0733	2.438
0.0766	2.248
0.0800	2.755
0.0833	2.692
0.0866	2.913
0.0900	2.850
0.0933	2.755

0.0966	3.040
0.1000	3.198
0.1033	3.040
0.1066	3.230
0.1100	3.389
0.1133	3.420
0.1166	3.515
0.1200	3.642
0.1233	3.389
0.1266	3.832
0.1300	4.085
0.1333	3.896
0.1366	3.864
0.1400	4.117
0.1433	4.244
0.1466	4.149
0.1500	4.370
0.1533	4.149
0.1566	4.592
0.1600	4.877
0.1633	4.719
0.1666	4.687
0.1700	4.687
0.1733	4.972
0.1766	4.655
0.1800	4.845
0.1833	5.004
0.1866	5.162
0.1900	5.479
0.1933	5.194
0.1966	5.479
0.2000	5.416
0.2033	5.447
0.2066	5.669
0.2100	5.542
0.2133	5.637
0.2166	5.764
0.2200	5.732
0.2233	5.827
0.2266	5.796
0.2300	5.922
0.2333	5.922
0.2366	6.144
0.2400	6.112
0.2433	6.302
0.2466	6.302
0.2500	6.461
0.2533	6.397
0.2566	6.651
0.2600	6.461
0.2633	6.619
0.2666	6.651

0.2700	6.777
0.2733	6.841
0.2766	6.809
0.2800	7.031
0.2833	6.841
0.2866	6.999
0.2900	7.031
0.2933	7.126
0.2966	7.221
0.3000	7.442
0.3033	7.379
0.3066	7.506
0.3100	7.474
0.3133	7.632
0.3166	7.474
0.3200	7.537
0.3233	7.759
0.3266	7.569
0.3300	7.791
0.3333	7.759
0.3500	8.044
0.3666	8.266
0.3833	8.456
0.4000	8.645
0.4166	8.931
0.4333	9.310
0.4500	9.310
0.4666	9.501
0.4833	9.627
0.5000	9.849
0.5166	10.102
0.5333	10.007
0.5500	10.419
0.5666	10.419
0.5833	10.672
0.6000	10.926
0.6166	10.926
0.6333	10.894
0.6500	11.210
0.6666	11.337
0.6833	11.464
0.7000	11.559
0.7166	11.812
0.7333	11.875
0.7500	11.875
0.7666	11.939
0.7833	12.224
0.8000	12.287
0.8166	12.382
0.8333	12.730
0.8500	12.794
0.8666	12.635

0.8833	12.889
0.9000	13.079
0.9166	13.142
0.9333	13.174
0.9500	13.364
0.9666	13.522
0.9833	13.522
1.0000	13.554
1.2000	15.137
1.4000	15.611
1.6000	16.751
1.8000	17.384
2.0000	17.922
2.2000	18.334
2.4000	18.935
2.6000	19.283
2.8000	19.727
3.0000	20.011
3.2000	20.265
3.4000	20.328
3.6000	20.455
3.8000	20.739
4.0000	21.024
4.2000	20.929
4.4000	21.182
4.6000	21.468
4.8000	21.531
5.0000	21.721
5.2000	21.657
5.4000	22.100
5.6000	21.879
5.8000	22.132
6.0000	22.132
6.2000	22.607
6.4000	22.512
6.6000	22.291
6.8000	22.607
7.0000	22.733
7.2000	22.702
7.4000	22.828
7.6000	23.019
7.8000	22.923
8.0000	22.987
8.2000	23.208
8.4000	23.240
8.6000	23.240
8.8000	23.208
9.0000	23.493
9.2000	23.620
9.4000	23.683
9.6000	23.398
9.8000	23.588

10.0000	23.556
12.0000	24.348
14.0000	24.664
16.0000	25.044
18.0000	25.645
20.0000	26.025
22.0000	26.405
24.0000	26.468
26.0000	26.753
28.0000	27.069
30.0000	27.323
32.0000	27.576
34.0000	27.765
36.0000	27.955
38.0000	28.525
40.0000	29.031
42.0000	29.158
44.0000	29.284
46.0000	29.253
48.0000	29.284
50.0000	29.727
52.0000	29.601
54.0000	30.075
56.0000	30.107
58.0000	30.170
60.0000	29.917
62.0000	30.202
64.0000	30.233
66.0000	30.487
68.0000	30.297
70.0000	30.518
72.0000	30.677
74.0000	30.645
76.0000	30.866
78.0000	30.771
80.0000	30.835
82.0000	31.119
84.0000	30.993
86.0000	31.025
88.0000	31.372
90.0000	31.404
92.0000	31.436
94.0000	31.372
96.0000	31.562
98.0000	31.721
100.000	31.657
120.000	32.480
140.000	32.955
160.000	33.461
180.000	33.619
200.000	34.093
220.000	34.283

240.000	34.663
260.000	34.916
280.000	35.106

SE1000C
Environmental Logger
10/21 09:52

Unit# 02011 Test 1

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.430
Scale factor	100.320
Offset	0.090
Delay mSEC	50.000

Step 1 10/20 14:50:10

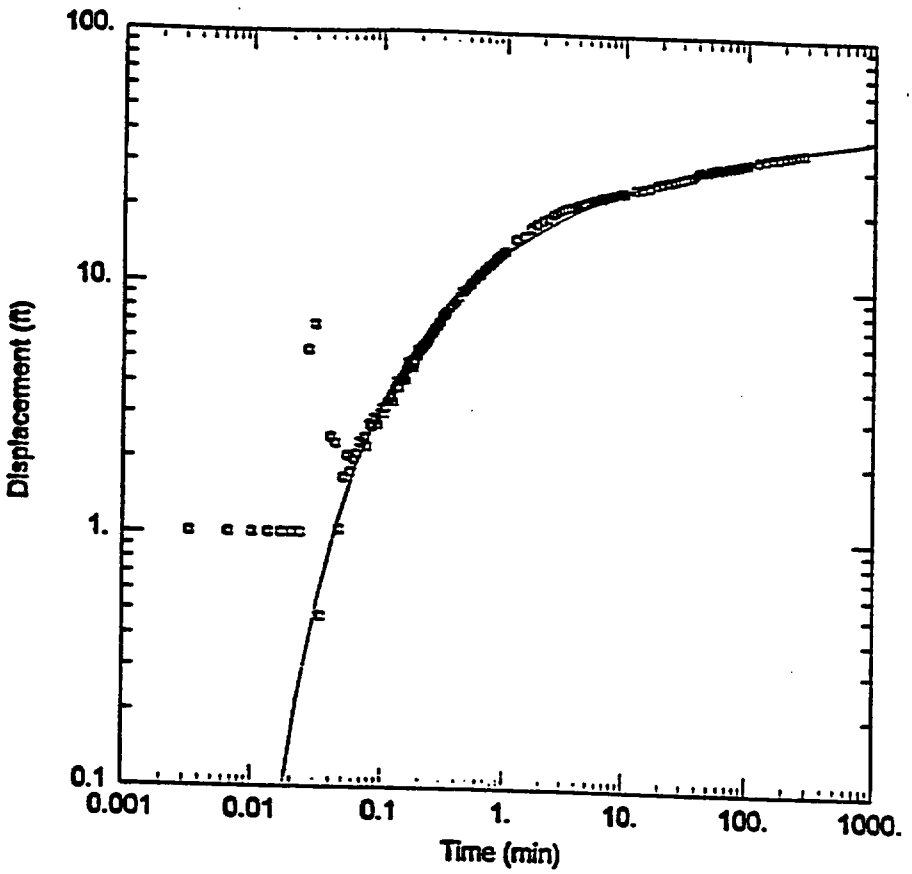
Elapsed Time	INPUT 1
0.0000	35.074
0.0033	35.106
0.0066	35.043
0.0100	35.169
0.0133	35.137
0.0166	35.137
0.0200	35.106
0.0233	35.043
0.0266	35.232
0.0300	35.106
0.0333	35.011
0.0366	35.201
0.0400	35.074
0.0433	35.137
0.0466	35.074
0.0500	35.074
0.0533	35.137
0.0566	35.043
0.0600	36.308
0.0633	32.037
0.0666	33.587
0.0700	35.992
0.0733	33.682
0.0766	35.011
0.0800	34.220
0.0833	33.935
0.0866	34.346
0.0900	33.967
0.0933	33.809

0.0966	33.745
0.1000	33.651
0.1033	33.524
0.1066	33.366
0.1100	33.239
0.1133	33.113
0.1166	33.049
0.1200	32.955
0.1233	32.828
0.1266	32.733
0.1300	32.606
0.1333	32.448
0.1366	32.290
0.1400	32.258
0.1433	32.132
0.1466	32.005
0.1500	31.942
0.1533	31.847
0.1566	31.657
0.1600	31.562
0.1633	31.499
0.1666	31.309
0.1700	31.246
0.1733	31.183
0.1766	31.088
0.1800	30.993
0.1833	30.835
0.1866	30.771
0.1900	30.677
0.1933	30.582
0.1966	30.455
0.2000	30.329
0.2033	30.233
0.2066	30.170
0.2100	30.107
0.2133	29.980
0.2166	29.854
0.2200	29.759
0.2233	29.632
0.2266	29.569
0.2300	29.443
0.2333	29.348
0.2366	29.253
0.2400	29.158
0.2433	29.031
0.2466	28.968
0.2500	28.873
0.2533	28.810
0.2566	28.683
0.2600	28.651
0.2633	28.525
0.2666	28.525

0.2700	28.367
0.2733	28.304
0.2766	28.177
0.2800	28.082
0.2833	27.987
0.2866	27.924
0.2900	27.892
0.2933	27.765
0.2966	27.670
0.3000	27.576
0.3033	27.544
0.3066	27.417
0.3100	27.354
0.3133	27.291
0.3166	27.164
0.3200	27.069
0.3233	27.006
0.3266	26.943
0.3300	26.848
0.3333	26.784
0.3500	26.373
0.3666	25.993
0.3833	25.550
0.4000	25.202
0.4166	24.854
0.4333	24.474
0.4500	24.189
0.4666	23.873
0.4833	23.556
0.5000	23.240
0.5166	22.955
0.5333	22.702
0.5500	22.449
0.5666	22.164
0.5833	21.910
0.6000	21.689
0.6166	21.499
0.6333	21.278
0.6500	21.088
0.6666	20.898
0.6833	20.739
0.7000	20.550
0.7166	20.391
0.7333	20.233
0.7500	20.107
0.7666	19.980
0.7833	19.853
0.8000	19.727
0.8166	19.663
0.8333	19.537
0.8500	19.473
0.8666	19.379

0.8833	19.283
0.9000	19.252
0.9166	19.189
0.9333	19.125
0.9500	19.094
0.9666	19.030
0.9833	18.999
1.0000	18.967
1.2000	18.429
1.4000	18.017
1.6000	17.669
1.8000	17.321
2.0000	17.036
2.2000	16.783
2.4000	16.529
2.6000	16.308
2.8000	16.118
3.0000	15.928
3.2000	15.738
3.4000	15.580
3.6000	15.422
3.8000	15.295
4.0000	15.137
4.2000	15.010
4.4000	14.915
4.6000	14.788
4.8000	14.661
5.0000	14.566
5.2000	14.472
5.4000	14.377
5.6000	14.282
5.8000	14.187
6.0000	14.092
6.2000	13.997
6.4000	13.933
6.6000	13.838
6.8000	13.775
7.0000	13.680
7.2000	13.617
7.4000	13.554
7.6000	13.459
7.8000	13.395
8.0000	13.332
8.2000	13.268
8.4000	13.205
8.6000	13.142
8.8000	13.079
9.0000	13.015
9.2000	12.952
9.4000	12.889
9.6000	12.825
9.8000	12.762

10.0000	12.730
12.0000	12.224
14.0000	11.749
16.0000	11.337
18.0000	10.989
20.0000	10.672
22.0000	10.356
24.0000	10.071
26.0000	9.817
28.0000	9.564
30.0000	9.374
32.0000	9.152
34.0000	8.962
36.0000	8.772
38.0000	8.614
40.0000	8.456
42.0000	8.298
44.0000	8.139
46.0000	8.013
48.0000	7.854
50.0000	7.759
52.0000	7.632
54.0000	7.506
56.0000	7.410
58.0000	7.284
60.0000	7.189
62.0000	7.094
64.0000	6.999
66.0000	6.904
68.0000	6.809
70.0000	6.746
72.0000	6.651
74.0000	6.556
76.0000	6.492
78.0000	6.429
80.0000	6.334
82.0000	6.271
84.0000	6.207
86.0000	6.144
88.0000	6.049
90.0000	6.017
92.0000	5.954
94.0000	5.891
96.0000	5.827
98.0000	5.764
100.000	5.701
120.000	5.225
140.000	4.814
160.000	4.465



CONSTANT RATE TEST: GW10A

Data Set:
Date: 01/06/98 Time: 16:00:21

PROJECT INFORMATION

Company: Lidstone & Anderson, Inc.
Client: Power Resources, Inc.
Project: WYPRI02
Test Location: East Gas Hills, Wyoming.
Test Well: GW10A
Test Date: 10-20-97

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
GW10A	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
▫ GW10A	1	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush

$T = 0.03357$ ft^2/min

$S = 0.04498$

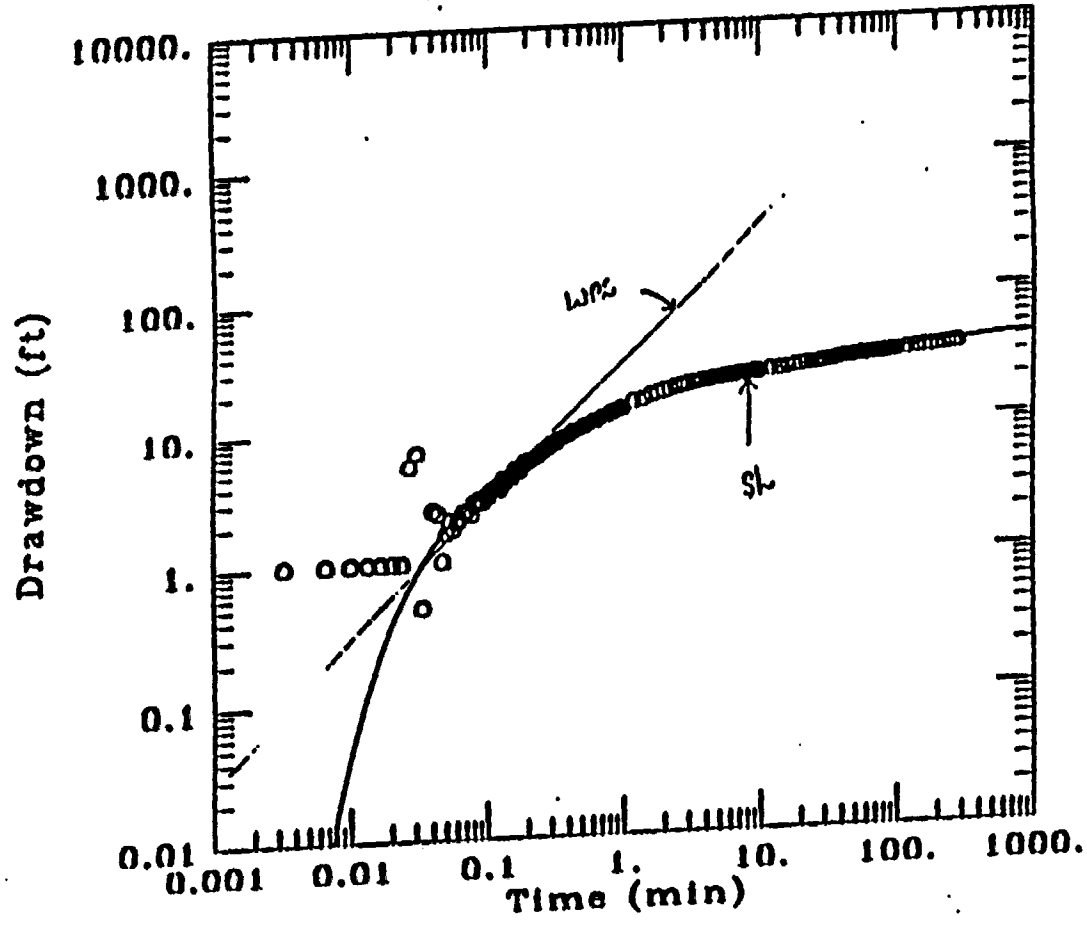
Lidstone & Anderson, Inc.

Client: Power Resources, Inc.

Project No.: WYPRI02

Location: East Gas Hills, Wyoming.

Constant Rate Test: GW10A



DATA SET:
gw10a-cr.aqd
10/28/97

AQUIFER TYPE:
Confined

SOLUTION METHOD:
Theis

TEST DATE:
10-20-97

TEST WELL:
GW10A

OBS. WELL:
GW10A

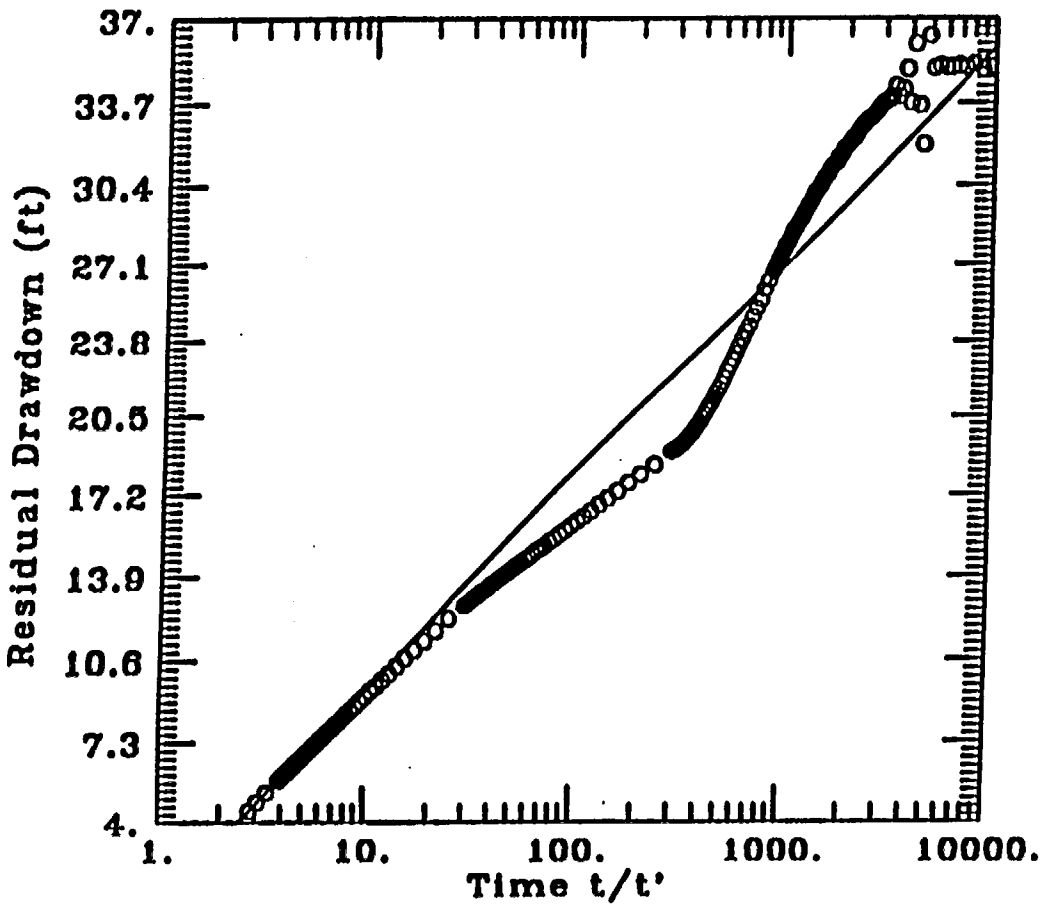
ESTIMATED PARAMETERS:
T = 0.04367 ft^2/min

TEST DATA:
Q = 2.4 ft^3/min
r = 1. ft

D6-6-54

Lidstone & Anderson, Inc.	Client: Power Resources, Inc.
Project No.: WYPRI02	Location: East Gas Hills, Wyoming.

Recovery Test: GW10A



DATA SET:
gw10a-r.aqd
12/01/97

AQUIFER TYPE:
Confined
SOLUTION METHOD:
Theis Recovery
TEST DATE:
10-20-97
TEST WELL:
GW10A
OBS. WELL:
GW10A

ESTIMATED PARAMETERS:
T = 0.05373 ft^2/min

TEST DATA:
Q = 2.59 ft^3/min
t pumping = 290. min

D6-6-55

ADDENDUM D6-7

GROUND WATER QUALITY DATA

ADDENDUM D6-7-1

1996-1997 GROUND WATER QUALITY DATA

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

	MU96 M-1						MU96 M-2		
Sample ID:	MU96M-1	MU96M-1	MU96M-1	MU-96-M1	MU96M1	MU96-M1	MU96M-2	MU96M-2	MU96M-2
Laboratory ID #:	96-54495	96-64841	97/16257	97-22809	97-47893	97-65122	96-54494	96-64840	97/16256
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	27-Sep-96	19-Nov-96	02-27-97	04-23-97	20-Aug-97	11-03-97	27-Sep-96	19-Nov-96	02-26-97
Report Date:	26-Oct-96	4-Dec-96	March 18, 1997	May 22, 1997	Sept. 22, 1997	December 8, 1997	26-Oct-96	4-Dec-96	March 18, 1997
Depth to water:	244.5	244.5	244.5	245.9	242.3	242.3	256.7	256.6	256.6
Static water level:	4580.1	4580.1	4580.1	4580.8	4582.3	4582.4	4580.4	4580.8	4580.8
Major Ions									
Calcium	Ca	mg/L	1.0	65.3	63.8	57.9	61.6	59.6	64.7	79.7	72.1	66.7
Magnesium	Mg	mg/L	1.0	14.3	13.7	12.6	13.4	13.1	14.2	18.3	14.1	13.5
Sodium	Na	mg/L	1.0	132	131	131.0	124	127	130	123	138	138
Potassium	K	mg/L	1.0	12.3	13.0	13.4	12.2	13.7	12.6	15.1	17.9	18.0
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	0.00	0	0	< 0.10	< 0.10	< 0.10	0.00
Bicarbonate	HCO3	mg/L	0.10	309	257	296	304	301	312	306	224	228
Sulfate	SO4	mg/L	1.0	220	223	213	226	219	225	254	286	300
Chloride	Cl	mg/L	0.10	13.9	25.7	24.7	16.4	22.5	15.1	13.6	50.9	32.9
Ammonium as N	NH4	mg/L	0.05	0.12	0.24	0.29	0.24	0.29	0.17	0.12	0.15	0.27
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO3	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phosphate	P	mg/L	0.10	1.10	1.06	1.08	1.01	1.17	1.19	0.93	1.12	1.00
Silica	SiO2	mg/L	1.0	18.3	17.1	16.1	16.7	17.1	17.3	28.9	14.5	14.1
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	662	648	599	625	622	578	714	727	682
Conductivity	Cond.	µmho/cm	1.0	946	912	978	938	972	984	987	1030	1060
Alkalinity as CaCO3	Alk.	mg/L	1.0	253	211	243	249	247	256	251	184	187
pH	-	std. units	0.10	7.78	7.93	8.21	7.94	8.16	7.99	8.16	8.08	8.10
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.008	0.002	0.006	0.005	0.005	0.006	0.004	< 0.001	0.003
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	0.02	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.02
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.10	0.10	< 0.10	0.11	< 0.10	0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	0.16	< 0.05	0.14	0.12	0.08	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.08	0.07	0.07	0.07	0.07	0.07	0.05	0.03	0.03
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radionuclides												
Uranium	NatU	mg/L	0.0003	0.0022	0.0022	0.0050	0.0003	0.002	0.0030	0.0043	0.0045	0.0020
226Radium	226Ra	pCi/L	0.2	44.3	34.9	35.7	31.6	29.9	30.2	47.6	40.8	38.1
Radium Precision ±	-			2.0	1.4	1.8	1.700	1.7	1.6	2.1	1.5	1.8
222Radon	222Rn	pCi/L	1.0	5100	9480	6280				7060	14500	9090
Radon Precision ±	-			116	207	113				132	244	141
Quality Assurance Data			Target Range									
Anion	-	meq		10.10	9.65	10.06	10.21	10.21	10.30	10.75	11.14	10.96
Cation	-	meq		10.54	10.38	10.03	9.92	9.96	10.42	11.26	11.25	10.96
WYDEQ A/C Balance	-	%	-5 - +5	2.11	3.62	-0.15	-1.43	-1.19	0.61	2.32	0.52	-0.01
Calc TDS	-	mg/L		614	618	619	624	624	637	687	707	698
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.08	1.05	0.97	1.00	1.00	0.91	1.04	1.03	0.98

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

Sample ID:				MO-1					
Laboratory ID #:	MU-96-M2	MU96-M2	MU96-M2	MO-1	MO-1	MO-1	MO-1	MO1	MO1
Sample Matrix:	97-22810	97-47884	97-45121	96-84496	96-84842	97-16443	97-22811	97-47885	97-84850
Sample Date:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Report Date:	04-23-97	20-Aug-97	11-03-97	27-Sep-96	19-Nov-96	03-04-97	04-23-97	20-Aug-97	10-30-97
Depth to water:	May 22, 1997	Sept. 22, 1997	December 8, 1997	26-Oct-96	4-Dec-96	March 24, 1997	May 22, 1997	Sept. 22, 1997	December 6, 1997
Static water level:	257.3	256.6	255.3	192.9	192.8	192.3	192.7	192.7	191.8
	4580.0	4580.8	4581.8	6653.6	6653.7	6654.2	6653.8	6653.8	6654.7

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	71.3	71.1	74.5	50.1	54.7	54.4	61.4	51.5	60.0
Magnesium	Mg	mg/L	1.0	14.8	14.9	16.5	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1.0
Sodium	Na	mg/L	1.0	123	131	131	162	160	166	173	168	207
Potassium	K	mg/L	1.0	15.3	16.5	15.9	12.4	12.4	12.7	12.7	12.3	14.1
Carbonate	CO3	mg/L	0.10	0	0	< 0.10	55.0	44.2	53.0	50.4	55.5	40.1
Bicarbonate	HCO3	mg/L	0.10	256	245	264	7.0	6.0	17.0	17	20.0	11.0
Sulfide	SO4	mg/L	1.0	290	308	294	267	307	339	400	341	402
Chloride	Cl	mg/L	0.10	21.3	24.6	20.5	39.0	37.5	38.2	37.1	37.8	38.8
Ammonium as N	NH4	mg/L	0.05	0.23	0.24	0.16	0.21	0.20	0.15	0.2	0.19	0.18
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO3	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	0.53	< 0.10
Fluoride	F	mg/L	0.10	0.86	0.99	1.00	1.33	1.33	1.38	1.4	1.43	1.56
Silica	SiO2	mg/L	1.0	15	15.2	16.0	29.5	25.5	22.4	21.4	23.6	18.5
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	677	689	640	685	695	709	770	693	855
Conductivity	Cond.	µmho/cm	1.0	1012	1060	1060	1270	1240	1350	1362	1290	1420
Alkalinity as CaCO3	Alk.	mg/L	1.0	210	199	216	150	134	114	109	117	95.3
pH	-	std. units	0.10	8.16	8.18	7.99	11.14	11.14	10.75	10.72	10.70	10.80
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.72	0.64	0.59	0.61	0.49
Arsenic	As	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.01	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.11	0.10	0.11	0.16	0.14	0.14	0.14	0.14	0.13
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.04	0.03	0.03	< 0.01	< 0.01	< 0.01	< 0.01	0.07	< 0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	0.032	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radionitric												
Uranium	NatU	mg/L	0.0003	0.0020	0.002	0.0010	< 0.0003	0.0005	< 0.0003	< 0.0003	< 0.0003	< 0.0003
226Radium	226Ra	pCi/L	0.2	56.9	57.4	33.4	8.2	1.9	3.8	1.3	1.1	5.6
Radium Precision ±	-			1.900	1.9	1.7	0.5	0.4	0.4	0.200	0.2	0.4
222Radon	222Rn	pCi/L	1.0									
Radon Precision ±	-											
Quality Assurance Data			Target Range									
Anion	-	meq		10.90	11.15	11.09	9.74	10.21	10.30	11.64	10.62	12.71
Cation	-	meq		10.56	10.93	11.23	9.96	10.18	10.43	11.07	10.34	12.52
WYDEQ A/C Balance	-	%	-5 - +5	-1.58	-0.99	0.63	1.15	-0.16	-0.32	-2.51	-1.33	-0.78
Calc TDS	-	mg/L		681	704	702	654	682	705	775	710	862
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.99	0.98	0.91	1.05	1.02	1.01	0.99	0.98	1.00

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

Sample ID:	MUSKRAT P-1	MUSKRAT P-1	MUSKRAT P-1 (DUP	P-1	P1	P1	P1	MUSKRAT MP-1	MUSKRAT MP-1
Laboratory ID #:	96-54497	96-64843	96-64846	97-10287	97-22812	97-47886	97-64848	96-54498	96-64844
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	27-Sep-96	19-Nov-96	19-Nov-96	02-27-97	04-23-97	20-Aug-97	10-30-97	27-Sep-96	19-Nov-96
Report Date:	26-Oct-96	4-Dec-96	4-Dec-96	March 24, 1997	May 22, 1997	Sept. 22, 1997	December 6, 1997	26-Oct-96	4-Dec-96
Depth to water:	263.6	263.7	263.7	263.5	264.2	263.9	262.3	266.0	265.8
Static water level:	6582.2	6582.1	6582.1	6582.3	6581.6	6581.9	6583.5	6583.4	6583.6

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	76.4	76.2	77.4	71.2	76.5	75.1	76.0	59.5	60.7
Magnesium	Mg	mg/L	1.0	17.7	18.4	18.6	17.8	18.4	17.9	17.5	11.1	11.7
Sodium	Na	mg/L	1.0	114	109	109	109	105	105	110	105	99.0
Potassium	K	mg/L	1.0	15.0	14.3	14.4	14.2	13.5	14.1	13.9	24.0	21.9
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.00	0	0	< 0.10	< 0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	290	295	295	298	299	298	300	270	271
Sulfate	SO4	mg/L	1.0	241	243	248	237	230	249	244	189	195
Chloride	Cl	mg/L	0.10	15.0	13.3	12.7	13.5	12.5	13.5	12.3	13.0	13.2
Ammonium as N	NH4	mg/L	0.05	0.16	0.11	0.10	0.07	0.15	0.19	0.14	0.13	0.09
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO3	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	0.12	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.91	0.83	0.85	0.87	0.83	0.96	0.98	0.94	0.87
Silica	SiO2	mg/L	1.0	18.0	17.3	17.5	16.2	16.7	16.7	17.2	19.8	19.5
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	684	645	645	590	622	630	630	589	560
Conductivity	Cond.	µmho/cm	1.0	959	908	901	968	950	970	949	839	803
Alkalinity as CaCO3	Alk.	mg/L	1.0	238	242	242	244	245	244	246	221	222
pH	-	std. units	0.10	7.83	7.99	8.04	8.03	7.93	8.20	8.06	8.16	8.23
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.002	< 0.001	< 0.001	0.003	0.002	0.002	0.002	0.014	0.009
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.03	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.10	< 0.10	< 0.10	0.10	0.10	0.10	0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.06	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.04	0.03
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
Radionuclide												
Uranium	NatU	mg/L	0.0003	0.0195	0.018	0.021	0.020	0.0190	0.017	0.021	0.018	0.021
226Radium	226Ra	pCi/L	0.2	1840	1800	1900	2059	1715.0	1100	1650	696	782
Radium Precision ±	-			14.0	9.8	10.0	18.9	12.400	10.2	12.2	7.9	6.5
222Radon	222Rn	pCi/L	1.0	151000	352000	342000	201900				246000	472000
Radon Precision ±	-			535	1090	1090	569				677	1270
Quality Assurance Data			Target Range									
Anion	-	meq		10.26	10.33	10.42	10.25	10.51	10.51	10.41	8.78	8.93
Cation	-	meq		10.65	10.47	10.55	10.17	10.29	10.19	10.43	9.10	8.89
WYDEQ A/C Balance	-	%	-5 - +5	1.89	0.67	0.62	-0.40	-1.07	-1.53	0.08	1.77	-0.20
Calc TDS	-	mg/L		644	641	647	629	643	642	643	558	558
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.06	1.01	1.00	0.94	0.97	0.98	0.98	1.06	1.00

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

	MP-1				MUMP97-1				MU-1
Sample ID:	MP-1 (ATV)	MP-1	MP1	MP1	MUMP97-1	MUSKRAT MU-1	MUSKRAT MU-1	MU-1	MU-1
Laboratory ID #:	97-16256	97-22815	97-47887	97-64847	97-43085	96-54501	96-64838	97-16254	97-22808
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	02-27-97	04-23-97	20-Aug-97	10-30-97	10-18-97	26-Sep-96	24-Nov-96	02-26-97	04-23-97
Report Date:	March 24, 1997	May 22, 1997	Sept. 22, 1997	December 6, 1997	November 21, 1997	26-Oct-96	4-Dec-96	March 18, 1997	May 22, 1997
Depth to water:	265.8	267.3	266.6	264.7	256.1	431.6	431.3	431.7	431.7
Static water level:	6581.6	6582.1	6582.9	6584.7	6621.2	6384.1	6384.4	6384.0	6384.1

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	56.7	60.6	62.0	61.7	84.0	42.2	42.9	39.2	41.9
Magnesium	Mg	mg/L	1.0	12.0	12.9	13.6	13.3	15.6	8.8	8.6	8.2	8.5
Sodium	Na	mg/L	1.0	101.0	95	98.1	99.4	107	223	226	228.0	218
Potassium	K	mg/L	1.0	20.9	18.4	18.9	17.6	13.6	13.2	12.4	12.6	11.8
Carbonate	CO3	mg/L	0.10	0.00	0	0	< 0.10	< 0.10	3.20	< 0.10	0.00	0
Bicarbonate	HCO3	mg/L	0.10	278	277	282	282	301	269	277	270	272
Sulfate	SO4	mg/L	1.0	187	197	191	189	229	407	404	350	415
Chloride	Cl	mg/L	0.10	12.9	11.2	11.9	11.8	12.7	16.7	13.2	12.6	11.8
Ammonium as N	NH4	mg/L	0.05	0.07	0.12	0.20	0.08	0.11	0.20	< 0.10	0.16	0.17
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1
Nitrite + Nitrate as N	NO2 + NO3	mg/L	0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	0.27	< 0.10	< 0.1
Fluoride	F	mg/L	0.10	0.93	0.9	1.04	1.06	1.02	0.99	0.92	0.93	0.91
Silica	SiO2	mg/L	1.0	17.1	17.5	17.6	17.8	16.1	13.3	12.0	11.2	11
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	515	545	542	539	596	897	874	834	866
Conductivity	Cond.	µmho/cm	1.0	852	832	854	838	965	1280	1200	1300	1276
Alkalinity as CaCO3	Alk.	mg/L	1.0	228	227	231	231	247	225	227	221	223
pH	-	std. units	0.10	7.98	7.98	8.06	8.09	8.04	8.33	8.23	8.11	8.28
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.015	0.014	0.013	0.015	0.032	< 0.001	< 0.001	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	0.05	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.02	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.28	0.27	0.27	0.28
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.13	0.11	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.04	0.05	0.05	0.06	0.15	0.05	0.03	0.03	0.03
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.027	0.0240	0.025	0.026	0.032	0.0025	0.004	0.002	0.0030
226Radium	226Ra	pCi/L	0.2	958	911.0	372	1000	898	2.4	2.7	2.8	2.6
Radium Precision ±	-			12.5	9.000	7.3	12.4	9.6	0.2	0.5	0.5	0.400
222Radon	222Rn	pCi/L	1.0	286900								
Radon Precision ±	-			680								
Quality Assurance Data			Target Range									
Anion	-	meq		8.85	9.01	9.00	8.95	10.15	13.51	13.40	12.96	13.49
Cation	-	meq		8.78	8.72	9.00	8.99	10.54	12.90	13.02	12.91	12.60
WYDEQ A/C Balance	-	%	-5 - +5	-0.52	-1.64	0.02	0.20	1.97	-2.29	-1.42	-0.19	-3.42
Calc TDS	-	mg/L		548	553	556	555	630	863	860	838	855
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.94	0.99	0.98	0.97	0.95	1.04	1.02	1.00	1.01

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

Sample ID:	MU1	MU-1	MU-1 (DUP)	M-4	M-4	M-4	M-4	M4	M4
Laboratory ID #:	97-47881	97-65120	97-65123	96-54504	96-64835	97-16536	97-54866	97-48550	97-64488
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	20-Aug-97	11-03-97	11-03-97	26-Sep-96	19-Nov-96	03-06-97	06-20-97	30-Aug-97	10-28-97
Report Date:	Sept. 22, 1997	December 8, 1997	December 8, 1997	26-Oct-96	4-Dec-96	March 24, 1997	July 14, 1997	Sept. 22, 1997	November 22, 1997
Depth to water:	432.3	432.1	432.1	300.8	300.3	300.4	300.4	300.3	300.1
Static water level:	6383.8	6383.6	6383.6	6481.4	6481.9	6481.8	6481.8	6481.9	6482.1

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	41.8	44.1	44.3	16.1	23.7	15.3	4.4	15.1	26.8
Magnesium	Mg	mg/L	1.0	8.5	9.0	9.0	3.7	5.3	4.7	2.5	5.0	6.5
Sodium	Na	mg/L	1.0	221	231	229	217	217	217	216	227	223
Potassium	K	mg/L	1.0	12.9	12.7	12.5	16.0	14.2	13.2	13.6	13.8	13.3
Carbonate	CO3	mg/L	0.10	0	< 0.10	< 0.10	21.7	10.6	15.5	21.9	8.8	5.5
Bicarbonate	HCO3	mg/L	0.10	277	281	279	212	242	204	166	220	270
Sulfate	SO4	mg/L	1.0	398	409	417	343	343	326	339	352	347
Chloride	Cl	mg/L	0.10	10.7	10.9	11.2	13.7	10.7	12.1	11.2	11.9	9.3
Ammonium as N	NH4	mg/L	0.05	0.23	0.16	0.17	0.17	0.15	0.17	0.12	0.17	0.07
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO3	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.03	1.10	1.09	0.79	0.78	0.83	0.78	0.91	0.96
Silica	SiO2	mg/L	1.0	11.0	11.1	11.1	14.8	15.6	16.8	16.3	15.4	14.4
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	844	814	812	790	788	733	669	743	749
Conductivity	Cond.	mmho/cm	1.0	1300	1320	1350	1140	1090	1140	1140	1140	1190
Alkalinity as CaCO3	Alk.	mg/L	1.0	227	230	229	204	213	189	167	192	229
pH	-	std. units	0.10	8.25	8.21	8.24	9.26	8.89	9.13	9.37	8.85	8.56
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.35	0.15	0.19	0.19	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.03	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.26	0.29	0.29	0.23	0.24	0.24	0.23	0.23	0.24
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.03	0.04	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	0.003	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.004	0.0040	0.0050	0.136	0.131	0.057	0.0410	0.039	0.059
226Radium	226Ra	pCi/L	0.2	2.2	4.6	3.9	4.0	10.4	8.5	3.6	19.8	15.1
Radium Precision ±	-			0.3	0.4	0.3	0.3	0.8	0.5	0.300	1.4	1.2
222Radon	222Rn	pCi/L	1.0									
Radon Precision ±	-											
Quality Assurance Data			Target Range									
Anion	-	meq		13.19	13.50	13.64	11.65	11.76	10.96	10.77	11.56	12.13
Cation	-	meq		12.75	13.35	13.27	11.00	11.45	10.87	10.19	11.31	11.94
WYDEQ A/C Balance	-	%	-5 - +5	-1.70	-0.55	-1.57	-2.92	-1.53	-0.44	-2.73	-1.13	-0.79
Calc TDS	-	mg/L		844	870	875	730	761	720	706	737	781
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.00	0.94	0.93	1.05	1.04	1.02	0.95	0.98	0.96

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

	MO-3					P-2C			
Sample ID:	MO-3	MO-3	MO-3	MO-3	MO3	MUSKRAT P-2C	Muskrat West P-2C	P2C	P2C
Laboratory ID #:	96-54505	96-64837	97-16255	97-22807	97-64854	96-54502	97-16535	97-26809	97-48549
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	26-Sep-96	19-Nov-96	02-26-97	04-23-97	10-31-97	26-Sep-96	03-06-97	05-05-97	30-Aug-97
Report Date:	26-Oct-96	4-Dec-96	March 10, 1997	May 22, 1997	December 6, 1997	26-Oct-96	March 24, 1997	May 27, 1997	Sept. 22, 1997
Depth to water:	257.8	257.3	256.9	257.2	256.8	326.9	326.4	327.2	327.1
Static water level:	6522.4	6522.8	6523.2	6522.9	6523.3	6494.0	6494.0	6493.2	6493.4

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	59.8	61.8	59.4	62.9	61.4	10.9	14.9	9.7	13.7
Magnesium	Mg	mg/L	1.0	13.5	13.7	13.2	13.7	13.7	2.6	3.7	0.22	4.6
Sodium	Na	mg/L	1.0	166	167	167	159	168	183	184	195	198
Potassium	K	mg/L	1.0	15.6	14.9	15.2	14.4	15.4	13.6	11.9	13.3	12.5
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	0.00	0	< 0.10	43.1	41.7	89.9	20.7
Bicarbonate	HCO3	mg/L	0.10	314	318	323	323	327	142	158	22	197
Sulfate	SO4	mg/L	1.0	301	300	294	309	305	269	250	257	284
Chloride	Cl	mg/L	0.10	15.0	11.8	12.0	11.5	12.2	13.0	11.5	8.9	10.6
Ammonium as N	NH4	mg/L	0.05	0.15	0.13	0.15	0.15	0.14	0.21	0.20	0.2	0.16
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
Nitrite + Nitrate as N	NO2+NO3	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
Fluoride	F	mg/L	0.10	0.87	0.79	0.83	0.79	0.92	1.06	1.02	0.91	1.12
Silica	SiO2	mg/L	1.0	20.2	20.3	19.3	19.3	19.5	24.5	25.3	24.4	22.4
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	775	761	725	754	744	662	648	603	652
Conductivity	Cond.	µmho/cm	1.0	1090	1040	1140	1110	1110	877	1000	1040	1000
Alkalinity as CaCO3	Alk.	mg/L	1.0	257	261	265	265	261	178	189	177	191.0
pH	-	std. units	0.10	8.22	8.16	8.18	8	8.19	9.73	9.67	10.86	9.27
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	0.14	0.28	< 0.10
Arsenic	As	mg/L	0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.004	0.002	0.008	0.003
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	0.01	< 0.10	< 0.10	< 0.10	0.01	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.13	0.12	0.12	0.13	0.13	0.18	0.18	0.20	0.20
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.02	0.02	0.03	0.03	0.03	< 0.01	< 0.01	< 0.01	< 0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.075	0.071	0.062	0.0750	0.063	0.0820	0.0930	0.0050	0.081
226Radium	226Ra	pCi/L	0.2	34.8	37.2	43.4	49.5	78.6	12.3	31.7	2.0	38.2
Radium Precision ±	-			1.7	1.5	2.0	2.800	2.7	1.0	1.8	0.200	1.9
222Radon	222Rn	pCi/L	1.0		120300					62050		
Radon Precision ±	-				639					3190		
Quality Assurance Data			Target Range									
Anion	-	meq		11.89	11.85	11.81	12.11	12.11	9.59	9.57	9.20	10.10
Cation	-	meq		11.65	11.89	11.75	11.58	11.94	9.09	9.59	9.56	10.01
WYDEQ A/C Balance	-	%	-5 - +5	-0.96	0.16	-0.28	-2.22	-0.73	-2.71	0.10	0.85	-0.44
Calc TDS	-	mg/L		747	730	743	733	760	627	618	618	664
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.04	1.01	0.98	1.00	0.98	1.06	1.05	0.98	0.98

LABORATORY ANALYSIS REPORT : PRI GAS HILLS PROJECT

			M-3C				M-2		
Sample ID:	P2C	M-3 (M-3C)	M-3C	M3C	M3	M3C	MO-2	MO2	MO-2
Laboratory ID #:	97-64484	96-64836	97-16537	97-26594	97-47892	97-64489	96-54503	96-64839	97-16534
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	10-27-97	19-Nov-96	03-06-97	04-29-97	30-Aug-97	10-29-97	26-Sep-96	19-Nov-96	03-06-97
Report Date:	November 22, 1997	26-Nov-96	March 24, 1997	May 22, 1997	Sept. 22, 1997	November 22, 1997	26-Oct-96	4-Dec-96	March 24, 1997
Depth to water:	327.8	327.4	327.5	327.3	327.8	327.6	282.5	283.0	283.5
Static water level:	6493.6	6493.8	6493.9	6493.1	6493.7	6493.8	6538.9	6538.4	6537.9

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	16.9	24.9	7.8	26.2	64.8	29.9	27.7	27.6	33
Magnesium	Mg	mg/L	1.0	4.1	4.5	1.0	5.2	14.1	5.6	4.9	4.7	5.2
Sodium	Na	mg/L	1.0	197	227	209	237	167	232	189	192	181
Potassium	K	mg/L	1.0	12.4	13.9	13.3	13.6	16.1	12.9	10.7	10.2	10.0
Carbonate	CO3	mg/L	0.10	21.3	6.60	25.40	4	0	4.1	4.50	< 0.10	0.00
Bicarbonate	HCO3	mg/L	0.10	203	268	84	276	528	286	388	401	403
Sulfate	SO4	mg/L	1.0	261	351	374.0	359	308	392	178	176	175
Chloride	Cl	mg/L	0.10	11.0	10.5	17.0	7.7	11.5	8.7	12.0	11.0	13.8
Ammonium as N	NH4	mg/L	0.05	0.09	0.14	0.17	0.13	0.19	0.09	0.10	0.08	0.08
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO3	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.18	0.73	0.97	0.76	0.90	0.86	0.99	0.89	0.93
Silica	SiO2	mg/L	1.0	22.4	13.5	22.7	14.2	19.7	13.7	17.2	16.7	17.1
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	653	814	726	775	758	762	688	659	648
Conductivity	Cond.	µmho/cm	1.0	997	1190	1120	1182	1140	1220	989	945	1020
Alkalinity as CaCO3	Alk.	mg/L	1.0	196	229	106	232	269	237	324	329	330
pH	-	std. units	0.10	9.27	8.64	9.73	8.41	8.19	8.41	8.31	8.11	8.26
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	0.46	< 0.10	< 0.10	< 0.10	0.24	< 0.10	< 0.100
Arsenic	As	mg/L	0.001	0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.00
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	0.02	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.01
Boron	B	mg/L	0.10	0.20	0.28	0.32	0.30	0.12	0.29	0.26	0.24	0.24
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	0.37	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	0.01	< 0.01	0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.082	0.026	0.025	0.0270	0.067	0.027	0.0053	0.0073	0.0060
226Radium	226Ra	pCi/L	0.2	26.8	25.1	5.1	41.9	55.4	39.6	5.6	7.8	6.2
Radium Precision ±	-			2.1	1.2	0.4	2.000	2.4	1.9	0.4	0.7	0.4
222Radon	222Rn	pCi/L	1.0									
Radon Precision ±	-											
Quality Assurance Data			Target Range									
Anion	-	meq		9.74	12.23	10.45	12.38	12.18	12.37	10.59	10.61	10.69
Cation	-	meq		10.09	11.86	9.98	12.41	12.10	12.40	10.52	10.40	9.97
WYDEQ A/C Balance	-	%	-5 - +5	1.79	-1.55	-2.28	0.11	-0.29	0.12	-1.29	-1.02	-3.48
Calc TDS	-	mg/L		646	786	711	806	767	801	639	640	628
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.03	1.04	1.02	0.96	0.99	0.95	1.08	1.03	1.03

LABORATORY ANALYSIS REPORT : FRI GAS HILLS PROJECT

				7-1A			
Sample ID:	MO-2	MO2	MO2	7-1A	7-1A	7-1A	7-1A
Laboratory ID #:	97-26596	97-47880	97-64487	96-54106	96-64834	97-10253	97-34865
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water
Sample Date:	04-29-97	20-Aug-97	10-28-97	24-Sep-96	19-Nov-96	02-26-97	06-20-97
Report Date:	May 22, 1997	Sept. 22, 1997	November 22, 1997	26-Oct-96	4-Dec-96	March 28, 1997	July 14, 1997
Depth to water:	283.2	283.8	283.4	174.7	174.7	174.3	205.8
Static water level:	6539.2	6532.6	6538.8	6574.8	6574.8	6574.4	6543.2

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	28.9	27.3	27.6	47.7	47.5	44.4	45.9
Magnesium	Mg	mg/L	1.0	4.8	4.6	4.9	7.3	6.9	6.8	6.5
Sodium	Na	mg/L	1.0	200	187	202	141	144	150.0	149
Potassium	K	mg/L	1.0	10.9	10.7	10.9	11.4	10.8	11.3	10.8
Carbonate	CO3	mg/L	0.10	4.5	4.5	5.2	< 0.10	< 0.10	0.00	0
Bicarbonate	HCO3	mg/L	0.10	394	395	394	346	370	376.0	382
Sulfate	SO4	mg/L	1.0	181	174	181	157	142	142.0	146
Chloride	Cl	mg/L	0.10	9.1	10.5	10.6	14.6	13.1	12.9	11.1
Ammonium as N	NH4	mg/L	0.05	0.06	0.14	< 0.05	0.09	0.05	0.16	0.23
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.1
Nitrite + Nitrate as N	NO2 + NO3	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.1
Fluoride	F	mg/L	0.10	0.9	1.00	1.03	0.88	0.78	0.75	0.76
Silica	SiO2	mg/L	1.0	16.5	15.9	16.5	25.6	22.9	21.5	23.7
Non-Metals										
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	631	628	630	588	637	546.0	569
Conductivity	Cond.	µmho/cm	1.0	974	1010	1020	899	848	858.0	913
Alkalinity as CaCO3	Alk.	mg/L	1.0	329	330	330	284	303	308.0	313
pH	-	std. units	0.10	8.31	8.31	8.37	7.05	8.13	8.28	8.19
Trace Metals										
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.38	0.12	2.00	0.61
Arsenic	As	mg/L	0.001	< 0.001	< 0.001	< 0.001	0.006	0.001	0.003	0.002
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	0.04	< 0.10
Boron	B	mg/L	0.10	0.25	0.23	0.24	0.16	0.15	0.17	0.17
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.02	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	0.15	0.06	0.59	0.15
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	< 0.01	< 0.01	0.01	0.06	0.06	< 0.06	0.05
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
Radiometric										
Uranium	NatU	mg/L	0.0003	0.0040	0.007	0.007	0.0019	0.0026	0.0150	0.0009
226Radium	226Ra	pCi/L	0.2	6.0	2.9	5.8	4.6	6.9	5.9	4.6
Radium Precision ±				0.400	0.3	0.4	0.3	0.6	0.4	0.400
222Radon	222Rn	pCi/L	1.0							
Radon Precision ±	-									
Quality Assurance Data			Target Range							
Anion	-	meq		10.66	10.57	10.73	9.42	9.44	9.53	9.66
Cation	-	meq		10.80	10.17	10.87	9.46	9.51	9.87	9.67
WYDEQ A/C Balance	-	%	-5 - +5	0.67	-1.96	0.63	0.24	0.39	1.75	0.05
Calc TDS	-	mg/L		653	633	656	579	573	589	585
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.97	0.99	0.96	1.02	1.11	0.93	0.97

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

				BS96 M-1						BSMP-1		
Sample ID:				BS96M-1	BS96M-1	BS96M-1	BS96 M-1	BS96-M1	BS96M1	BSMP-1	BSMP-1	BSMP-1
Laboratory ID #:				96-53671	96-64045	97-16288	97-22817	97-48025	97-64846	96-53507	96-64046	97-16289
Sample Matrix:				Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:				16-Sep-96	11-Nov-96	02-27-97	04-23-97	25-Aug-97	10-30-97	12-Sep-96	11-Nov-96	02-27-97
Report Date:				26-Oct-96	4-Dec-96	March 24, 1997	May 22, 1997	Sept. 22, 1997	December 6, 1997	26-Oct-96	4-Dec-96	March 24, 1997
Depth to water:				194.1	194.5	193.3	193.6	193.3	193.5	212.7	213.4	212.7
Static water level:				6631.0	6630.8	6631.8	6631.5	6631.8	6631.6	6631.5	6630.8	6631.5
Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	123	77.3	59.5	61.4	66.5	60.0	68.4	66.2	65.2
Magnesium	Mg	mg/L	1.0	21.4	14.8	11.4	11.3	11.4	10.6	14.2	13.7	14.7
Sodium	Na	mg/L	1.0	114	114	111	103	113	106	124	128	128
Potassium	K	mg/L	1.0	14.5	12.5	11.5	10.3	12.0	10.6	13.1	12.5	13.0
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	112.0	0	0	< 0.10	< 0.10	< 0.10	0.00
Bicarbonate	HCO3	mg/L	0.10	228	275	119	304	310	309	272	270	281
Sulfate	SO4	mg/L	1.0	431	260	182	181	186	169	262	257	257
Chloride	Cl	mg/L	0.10	17.1	12.1	9.9	7.9	9.8	8.6	13.9	15.1	14.7
Ammonium as N	NH4	mg/L	0.05	0.19	0.18	0.10	0.14	0.11	0.08	< 0.05	0.09	0.06
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.01	1.08	1.05	1.02	1.14	1.19	1.08	1.11	1.06
Silica	SiO2	mg/L	1.0	14.6	15.9	15.6	16.1	17.3	16.5	16.2	15.6	16.0
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	797	615	530	543	549	523	601	600	628
Conductivity	Cond.	µmho/cm	1.0	1170	866	863	833	847	820	974	872	994
Alkalinity as CaCO3	Alk.	mg/L	1.0	187	225	259	249	254	253	223	221	230
pH	-	std. units	0.10	7.99	7.88	10.22	8.17	8.21	8.08	7.95	7.89	7.87
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	0.032	0.023	0.024	0.021	0.028	0.056	0.051	0.046
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	0.02	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.02
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	0.12
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.02
Iron	Fe	mg/L	0.05	0.15	0.09	0.05	0.08	0.09	0.53	0.22	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.10	0.09	0.08	0.09	0.09	0.09	0.09	0.08	0.08
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.003
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0819	0.030	0.016	0.0120	0.010	0.011	0.283	0.320	0.057
226Radium	226Ra	pCi/L	0.2	41.1	19.7	54.7	14.8	14.8	14.7	51.3	79.1	93.5
Radium Precision ±	-			2.0	1.7	2.3	1.200	1.2	0.8	2.3	3.4	3.0
222Radon	222Rn	pCi/L	1.0	5500	2710	7690				28700	1230	23290
Radon Precision ±	-			115	92.5	120.1				255	75.7	197.1
Quality Assurance Data			Target Range									
Anion	-	meq		13.26	10.32	9.31	9.03	9.30	8.89	10.37	10.27	10.43
Cation	-	meq		13.28	10.40	9.07	8.77	9.52	8.81	10.36	10.36	10.40
WYDEQ A/C Balance	-	%	-5 - +5	0.08	0.36	-1.31	-1.46	1.16	-0.44	-0.07	0.44	-0.14
Calc TDS	-	mg/L		851	646	561	545	573	538	650	645	651
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.94	0.95	0.95	1.00	0.96	0.97	0.93	0.93	0.97

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

	BSMP-1	BSMP-1	BSMP1	BSMP-2	BSMP-2	BSMP-3	BSMP-2	BSMP-2	BSMP-2
Sample ID:									
Laboratory ID #:	97-22857	97-40239	97-64845	96-83508	96-64047	97-16292	97-22856	97-40242	97-65125
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	04-25-97	26-Aug-97	10-30-97	13-Sep-96	11-Nov-96	02-28-97	04-25-97	26-Aug-97	11-03-97
Report Date:	May 16, 1997	Sept. 22, 1997	December 8, 1997	26-Oct-96	4-Dec-96	March 24, 1997	May 16, 1997	Sept. 22, 1997	December 8, 1997
Depth to water:	213.8	212.9	212.8	231.8	231.8	231.1	231.9	234.0	234
Static water level:	6630.4	6631.3	6631.4	6630.7	6630.8	6630.7	6630.5	6627.8	6627.8

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	71.9	71.1	73.8	54.3	62.1	60.3	67	65.2	67.8
Magnesium	Mg	mg/L	1.0	14.2	13.7	13.4	12.7	13.2	13.9	13.3	13.0	13.4
Sodium	Na	mg/L	1.0	133	129	123	118	112	110	116	115	111
Potassium	K	mg/L	1.0	13.3	12.9	12.4	12.5	11.2	11.6	11.9	9.3	11.4
Carbonate	CO3	mg/L	0.10	0	0	< 0.10	< 0.10	< 0.10	0.00	0	0	< 0.10
Bicarbonate	HCO3	mg/L	0.10	278	278	279	318	312	320	317	310	316
Sulfate	SO4	mg/L	1.0	272	267	275	206	183	182	195	195	195
Chloride	Cl	mg/L	0.10	14.3	14.9	16.1	9.6	10.4	9.3	9.4	9.3	9.7
Ammonium as N	NH4	mg/L	0.05	0.1	0.13	0.08	0.30	0.29	0.26	0.32	0.34	0.29
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.02	1.15	1.19	0.96	1.07	1.06	1.03	1.18	1.26
Silica	SiO2	mg/L	1.0	15.6	14.7	15.5	20.2	16.2	16.4	16.7	15.1	15.6
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	658	659	660	502	545	546	562	573	526
Conductivity	Cond.	umho/cm	1.0	965	900	1000	859	781	882	866	779	902
Alkalinity as CaCO3	Alk.	mg/L	1.0	228	228.0	229	261	256	262	260	254	259
pH	-	std. units	0.10	8.1	7.98	8.05	7.99	7.89	7.76	7.96	7.93	8.09
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.051	0.054	0.051	0.009	0.016	0.016	0.020	0.027	0.021
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.03	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.08	0.08	0.09	0.05	0.07	0.08	0.07	0.07	0.08
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0320	0.051	0.058	0.010	0.0077	0.0130	0.0090	0.012	0.011
226Radium	226Ra	pCi/L	0.2	87.0	91.4	83.9	35.5	37.7	35.9	30.7	40.4	35.6
Radium Precision ±	-			2.800	3.0	3.5	1.9	1.8	1.9	1.700	1.9	1.7
222Radon	222Rn	pCi/L	1.0				38600	17700	21360			
Radon Precision ±	-						278	186	176			
Quality Assurance Data			Target Range									
Anion	-	meq		10.69	10.61	10.83	9.84	9.29	9.36	9.59	9.47	9.59
Cation	-	meq		10.92	10.65	10.50	9.24	9.58	9.29	9.82	9.60	9.66
WYDEQ A/C Balance	-	%	-5 - +5	1.06	0.21	-1.97	-3.14	0.49	-0.35	1.22	0.66	0.39
Calc TDS	-	mg/L		675	664	671	594	568	565	590	579	584
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.97	0.99	0.98	0.85	0.96	0.97	0.95	0.99	0.90

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

	BSMP-3						BSPW-1		
Sample ID:	BSMP-3	BSMP-3	BSMP-3	BSMP-3	BSMP-3	BSMP 3	BSPW-1	BSPW-1	BSPW-1
Laboratory ID #:	96-51469	96-64080	97-16293	97-22858	97-@248	97-64485	96-53670	96-64049	97-16290
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	16-Sep-96	11-Nov-96	02-28-97	04-25-97	26-Aug-97	10-28-97	16-Sep-96	11-Nov-96	02-27-97
Report Date:	25-Oct-96	4-Dec-96	March 24, 1997	May 16, 1997	Sept. 22, 1997	November 22, 1997	26-Oct-96	4-Dec-96	March 24, 1997
Depth to water:	221.8	221.7	221.5	221.6	221.5	221.5	256.8	257.9	256.7
Static water level:	6627.6	6627.4	6627.9	6627.5	6627.6	6627.6	6631.1	6630.6	6631.2

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	76.0	64.2	61.5	71.5	72.9	70.9	70.7	68.8	66.3
Magnesium	Mg	mg/L	1.0	13.2	11.4	12.3	13	13.2	13.9	10.9	10.5	13.1
Sodium	Na	mg/L	1.0	106	110	108	112	114	112	109	111	110
Potassium	K	mg/L	1.0	11.5	12.8	12.5	12.8	12.7	12.6	13.0	10.5	10.7
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	0.00	0	0	< 0.10	< 0.10	< 0.10	0.00
Bicarbonate	HCO3	mg/L	0.10	298	299	314	316	323	322	304	296	304
Sulfate	SO4	mg/L	1.0	219	188	181	196	198	194	199	202	203
Chloride	Cl	mg/L	0.10	8.6	9.1	9.3	9.2	10.1	9.0	9.5	7.7	8.2
Ammonium as N	NH4	mg/L	0.05	0.06	0.14	0.58	0.16	0.14	0.07	0.10	0.07	< 0.05
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.05	0.95	0.91	0.89	1.02	1.1	0.91	1.14	1.05
Silica	SiO2	mg/L	1.0	16.9	18.9	21.9	18.6	18.4	18.0	17.7	15.7	16.1
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	459	515	547	559	585	588	500	538	570
Conductivity	Cond.	mmho/cm	1.0	879	776	871	861	815	896	846	795	897
Alkalinity as CaCO3	Alk.	mg/L	1.0	244	245	257	259	265	264	249	243	249
pH	-	std. units	0.10	7.97	7.95	8.04	8.09	8.18	8.11	7.97	7.89	7.78
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.045	0.011	0.002	0.015	0.012	0.012	0.009	0.047	0.043
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	0.02	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.02
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	0.51	< 0.05	0.06	0.05	0.10	0.05	< 0.05	0.05	0.19
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.15	0.06	0.09	0.10	0.11	0.13	0.06	0.14	0.14
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.033	0.056	0.019	0.0580	0.036	0.056	0.0585	0.032	0.042
226Radium	226Ra	pCi/L	0.2	130	156	82	163.7	155	143	140	305	333
Radium Precision ±	-			3.8	5.6	2.8	3.800	3.8	4.8	3.6	5.0	5.8
222Radon	222Rn	pCi/L	1.8	106000	123000	25400				89200	123000	118300
Radon Precision ±	-			453	464	191				409	463	393
Quality Assurance Data			Target Range									
Anion	-	meq		9.75	9.13	9.23	9.58	9.77	9.64	9.44	9.35	9.50
Cation	-	meq		9.85	9.29	9.18	9.88	10.05	9.92	9.53	9.43	9.50
WYDEQ A/C Balance	-	%	-5 - +5	0.53	0.86	-0.28	1.54	1.41	1.44	0.48	0.42	-0.03
Calc TDS	-	mg/L		602	565	565	593	603	593	583	576	581
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.76	0.91	0.97	0.94	0.97	0.99	0.86	0.93	0.98

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

				BSMU-1					
Sample ID:	BSPW-1	BSPW-1	BSPW-1	BSMU-1	BSMU-1	BSMU-1	BSMU-1	BSMU-1	BSMU 1
Laboratory ID #:	97-22819	97-40241	97-45124	96-83509	96-64048	97-10291	97-22818	97-40240	97-64486
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	04-23-97	26-Aug-97	11-Nov-97	13-Sep-96	11-Nov-96	02-28-97	04-23-97	26-Aug-97	10-28-97
Report Date:	May 22, 1997	Sept. 22, 1997	December 8, 1997	26-Oct-96	4-Dec-96	March 24, 1997	May 22, 1997	Sept. 22, 1997	November 22, 1997
Depth to water:	257.0	257.1	257	267.2	267.4	267.0	267.9	267.8	267.8
Static water level:	6630.9	6630.8	6630.9	6622.9	6622.7	6623.1	6622.8	6622.6	6622.6

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	72.3	72.2	74.3	57.3	58.0	58.9	58.7	58.8	65.5
Magnesium	Mg	mg/L	1.0	12.5	12.4	12.7	19.2	20.0	16.6	21.9	22.5	24.8
Sodium	Na	mg/L	1.0	105	114	111	85.5	84.4	86.4	80.7	87.0	85.6
Potassium	K	mg/L	1.0	10	10.9	10.7	19.2	17.7	20.5	16.8	17.7	16.3
Carbonate	CO3	mg/L	0.10	0	0	< 0.10	< 0.10	< 0.10	0.00	0	0	< 0.10
Bicarbonate	HCO3	mg/L	0.10	301	300	304	250	254	199	257	264	283
Sulfate	SO4	mg/L	1.0	220	214	215	201	196	189	210	202	199
Chloride	Cl	mg/L	0.10	7.7	8.1	7.7	10.1	11.7	11.7	10.5	11.8	9.2
Ammonium as N	NH4	mg/L	0.05	0.09	0.10	0.10	< 0.05	0.10	0.08	0.1	0.14	0.06
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.06	1.17	1.23	0.73	0.68	0.61	0.6	0.70	0.79
Silica	SiO2	mg/L	1.0	15.6	15.2	15.7	15.7	15.6	16.6	16.9	16.5	17.4
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	581	587	542	442	515	455	533	536	550
Conductivity	Cond.	umho/cm	1.0	885	787	949	813	734	754	822	738	858
Alkalinity as CaCO3	Alk.	mg/L	1.0	247	246	249	205	208	163	211	216	232
pH	-	std. units	0.10	8.12	7.86	8.02	8.02	7.94	8.11	8.21	8.02	8.23
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.052	0.047	0.045	< 0.001	0.003	0.001	0.004	0.002	0.002
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.03	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	0.10	0.11	< 0.10	0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	0.42	0.28	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.15	0.14	0.15	< 0.01	< 0.01	0.01	0.01	0.01	0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0360	0.038	0.035	0.0051	0.0063	< 0.0003	0.0030	0.002	0.002
226Radium	226Ra	pCi/L	0.2	308.8	325	272	12.6	4.6	13.8	6.5	8.0	7.2
Radium Precision ±	-			5.900	5.5	4.8	1.1	0.4	1.2	0.400	0.9	0.5
222Radon	222Rn	pCi/L	1.0				3620	1100	128			
Radon Precision ±	-						100	75.0	45.2			
Quality Assurance Data			Target Range									
Anion	-	meq		9.80	9.68	9.75	8.62	8.62	7.57	8.93	8.90	9.09
Cation	-	meq		9.92	9.91	9.90	8.69	8.70	7.63	8.71	9.07	9.50
WYDEQ A/C Balance	-	%	-5 - +5	-1.46	1.22	0.77	0.41	0.51	0.42	-1.22	0.90	2.19
Calc TDS	-	mg/L		595	599	601	534	531	480	545	549	561
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.98	0.98	0.90	0.83	0.97	0.95	0.98	0.98	0.98

LABORATORY ANALYSIS REPORT - FRI GAS BILLS PROJECT

	4-1A				PEACH M-1			PEACH M-1	
Sample ID:	4-1A	4-1A	4-1A	4-1A	PEACH M-1	PEACH M-1	PEACH M-1 (DUP)	PEACH M-1	Peach M1
Laboratory ID #:	96-54105	96-64250	97-16442	97-34864	96-54192	96-64256	96-64257	97-16439	97-34861
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	24-Sep-96	13-Nov-96	03-04-97	06-20-97	25-Sep-96	13-Nov-96	13-Nov-96	03-03-97	06-20-97
Report Date:	26-Oct-96	4-Dec-96	March 24, 1997	July 14, 1997	26-Oct-96	4-Dec-96	4-Dec-96	March 24, 1997	July 14, 1997
Depth to water:	348.0	344.7	347.7	342.0	214.2	213.7	213.7	213.8	213.8
Static water level:	6424.7	6425.8	6425.8	6430.7	6494.0	6494.5	6494.5	6494.4	6494

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	41.5	40.7	92.7	36.1	77.1	72.9	72.5	72.4	82.3
Magnesium	Mg	mg/L	1.0	9.8	9.5	8.3	7.8	21.7	19.8	19.7	21.8	21.2
Sodium	Na	mg/L	1.0	216	213	221	230	165	163	163	162	165
Potassium	K	mg/L	1.0	11.9	10.7	11.0	11.4	14.1	14.1	14.1	13.9	13.8
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	0.00	3.7	< 0.10	< 0.10	< 0.10	0.00	0
Bicarbonate	HCO3	mg/L	0.10	273	273	285	289	231	226	210	224	234
Sulfate	SO4	mg/L	1.0	410	412	353	381	447	460	460	420	457
Chloride	Cl	mg/L	0.10	12.1	13.7	11.6	10.6	12.7	12.5	12.4	10.7	10.5
Ammonium as N	NH4	mg/L	0.05	0.22	0.18	0.25	0.56	0.27	0.22	0.22	0.24	0.22
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1
Fluoride	F	mg/L	0.10	0.89	0.85	1.01	1.04	0.49	0.55	0.56	0.51	0.54
Silica	SiO2	mg/L	1.0	12.2	11.9	12.9	17.8	13.9	13.2	13.2	13.6	13.4
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	862	832	818	834	842	823	826	842	834
Conductivity	Cond.	µmho/cm	1.0	1270	1210	1245	1220	1250	1200	1150	1425	1230
Alkalinity as CaCO3	Alk.	mg/L	1.0	224	202	234	242	189	185	172	184	192
pH	-	std. units	0.10	7.96	8.28	8.23	8.36	7.91	8.21	8.11	7.97	8.07
Trace Metals												
Aluminum	Al	mg/L	0.10	0.20	< 0.10	0.39	1.53	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	0.001	< 0.00	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	0.01	< 0.10	< 0.10	< 0.10	< 0.10	< 0.01	< 0.10
Boron	B	mg/L	0.10	0.28	0.26	0.27	0.28	0.22	0.21	0.21	0.21	0.22
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	0.22	0.05	0.17	0.52	0.15	0.15	0.16	0.09	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.03
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.00	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.00	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.004
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	0.02	< 0.01	< 0.01	< 0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.031	0.022	0.037	0.0320	0.0026	0.0038	0.0038	0.0030	0.0020
226Radium	226Ra	pCi/L	0.2	31.5	90.3	55.8	28.3	12.7	11.8	11.6	19.3	11.2
Radium Precision ±	-			1.4	1.7	2.2	1.700	1.1	1.0	1.0	1.4	1.000
222Radon	222Rn	pCi/L	1.0			17820		3300	3240	3060	2540	
Radon Precision ±	-					167		88.5	100	99	82	
Quality Assurance Data			Target Range									
Anion	-	meq		13.42	13.06	12.42	13.14	13.48	13.67	13.41	12.77	13.69
Cation	-	meq		12.42	12.38	12.29	12.95	13.22	12.76	12.74	12.87	13.43
WYDEQ A/C Balance	-	%	-5 - +5	-3.04	-2.69	-0.53	-0.73	-0.98	-3.43	-2.57	0.41	-0.98
Calc TDS	-	mg/L		832	836	795	844	868	870	861	828	881
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.01	1.00	1.03	0.99	0.97	0.95	0.96	1.02	0.95

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

			PEACH M-2						
Sample ID:	Peach M-1	Peach 96 M1	PEACH M-2	PEACH M-2	PEACH M-2	Peach M2	Peach 96 M2	Peach 96 M2	Peach 96 M2 (DUP)
Laboratory ID #:	97-48243	97-64856	96-54193	96-64249	97-16036	97-34863	97-48244	97-64859	97-64852
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	26-Aug-97	10-31-97	25-Sep-96	13-Nov-96	03-03-97	06-20-97	26-Aug-97	10-31-97	10-31-97
Report Date:	Sept. 22, 1997	December 6, 1997	26-Oct-96	4-Dec-96	March 24, 1997	July 14, 1997	Sept. 22, 1997	December 6, 1997	December 6, 1997
Depth to water:	214.9	215.7	270.8	270.7	270.9	270.2	270.3	269.9	269.9
Static water level:	6494	6495	6485.0	6485.1	6485.8	6486	6486	6486	6486

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	79.9	72.7	142	64.0	47.2	51.8	45.5	48.0	49.3
Magnesium	Mg	mg/L	1.0	20.9	15.2	< 1.0	5.0	6.8	8.4	8.2	10.7	10.8
Sodium	Na	mg/L	1.0	175	192	219	206	212	218	225	217	220
Potassium	K	mg/L	1.0	14.4	13.5	41.8	23.9	22.3	19.8	18.3	16.3	16.7
Carbonate	CO3	mg/L	0.10	0	< 0.10	73.4	2.8	15.7	13.2	9.9	4.8	5.7
Bicarbonate	HCO3	mg/L	0.10	235	242	68	210	90.0	123	111	159	157
Sulfate	SO4	mg/L	1.0	452	459	519	442	463	504	499	484	498
Chloride	Cl	mg/L	0.10	11.4	12.8	116	4.0	37.9	29.2	26.5	20.6	22.0
Ammonium as N	NH4	mg/L	0.05	0.25	0.24	1.15	0.55	0.88	0.74	0.76	0.46	0.51
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.56	0.57	0.87	0.66	0.63	0.71	0.75	0.73	0.75
Silica	SiO2	mg/L	1.0	13.9	13.9	8.1	11.9	14.2	12.6	13.3	12.1	12.3
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	874	875	1130	860	893	882	905	905	908
Conductivity	Cond.	µmho/cm	1.0	1160	1250	2240	1300	1360	1310	1190	1330	1340
Alkalinity as CaCO3	Alk.	mg/L	1.0	193	198	217	176	97	120	106	137	137
pH	-	std. units	0.10	8.05	8.11	11.35	8.38	9.49	9.28	9.20	8.73	8.81
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	< 0.001	0.005	0.005	0.010	0.003	0.003	0.002	0.002
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.01	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.21	0.32	0.15	0.17	0.20	0.23	0.22	0.26	0.26
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.005
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	0.18	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.03	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radioactive												
Uranium	NatU	mg/L	0.0003	0.002	0.0023	0.0082	0.0380	0.032	0.0200	0.022	0.021	0.022
226Radium	226Ra	pCi/L	0.2	15.9	14.6	22.1	19.5	25.0	19.2	21.0	25.0	23.7
Radium Precision ±	-			1.2	1.2	1.4	1.3	1.5	1.500	1.4	1.5	1.5
222Radon	222Rn	pCi/L	1.0			7950	9320	5890				
Radon Precision ±	-					124	178	110				
Quality Assurance Data			Target Range									
Anion	-	meq		15.65	15.92	18.47	12.88	12.69	13.77	13.31	13.45	13.78
Cation	-	meq		15.74	15.63	17.79	13.20	12.79	13.29	13.14	13.19	13.41
WYDEQ A/C Balance	-	%	-5 - +5	0.58	-1.06	-1.88	1.22	0.41	-1.76	-0.65	-0.97	-1.37
Calc TDS	-	mg/L		886	903	1181	865	864	918	900	894	914
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.99	0.97	0.96	0.99	1.03	0.96	1.01	1.01	0.99

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

				PEACH MP-1							
Sample ID:	PEACH MP-1	PEACH MP-1	PEACH MP-1	PEACH MP-1	Peach 96 MP1	Peach 96 MP1	Peach 96 MP1	PEACH MP-2	PEACH MP-2
Laboratory ID #:	96-54189	96-55090	96-64248	97-16435	97-34858	97-48247	97-64858	96-54104	97-16296
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	25-Sep-96	3-Oct-96	13-Nov-96	03-03-97	06-20-97	26-Aug-97	10-31-97	25-Sep-96	02-28-97
Report Date:	26-Oct-96	26-Oct-96	4-Dec-96	March 24, 1997	July 14, 1997	Sept. 22, 1997	December 6, 1997	26-Oct-96	March 24, 1997
Depth to water:	248.9	249.0	249.0	NM	NM	NM	NM	241.9	241.4
Static water level:	6493.8	6493.7	6493.7	NM	NM	NM	NM	6494.2	6494.7

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	66.8	57.0	48.8	50.5	58.9	55.0	54.7	55.3	48.1
Magnesium	Mg	mg/L	1.0	14.4	13.8	12.9	15.0	13.5	13.4	13.9	14.5	12.7
Sodium	Na	mg/L	1.0	202	205	200	202	209	214	207	193	192
Potassium	K	mg/L	1.0	16.3	11.8	16.4	15.2	15.3	15.2	14.0	13.9	14.4
Carbonate	CO3	mg/L	0.10	9.3	< 0.10	< 0.10	3.00	2.8	2.7	< 0.10	< 0.10	3.0
Bicarbonate	HCO3	mg/L	0.10	225	221	226	210	217	215	223	248	207
Sulfate	SO4	mg/L	1.0	461	421	419	421	476	456	448	432	406
Chloride	Cl	mg/L	0.10	23.2	14.7	30.7	16.2	19.9	17.1	17.7	17.4	14.9
Ammonium as N	NH4	mg/L	0.05	0.24	0.22	0.22	0.27	0.22	0.28	0.24	0.22	0.24
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.77	0.75	0.96	0.79	0.8	0.80	0.82	0.99	0.86
Silica	SiO2	mg/L	1.0	12.7	11.9	13.6	11.4	11.9	11.6	11.7	12.4	12.6
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	890	861	823	838	843	869	874	859	817
Conductivity	Cond.	µmho/cm	1.0	1310	1265	1200	1310	1300	1150	1280	1250	1120
Alkalinity as CaCO3	Alk.	mg/L	1.0	196	181	185	176	182	180	183	203	174
pH	-	std. units	0.10	8.87	8.22	8.21	8.41	8.36	8.34	8.29	7.57	8.41
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.01	< 0.10	< 0.10	< 0.10	< 0.10	< 0.01
Boron	B	mg/L	0.10	0.26	0.26	0.23	0.24	0.25	0.25	0.26	0.25	0.23
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.10	0.02	0.02	0.01	0.01	0.01	0.02	0.03	0.02
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	0.001	0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	0.003
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.307	0.065	0.040	0.153	0.0890	0.099	0.083	0.0247	0.0330
226Radium	226Ra	pCi/L	0.2	416	525	37.4	356	484.8	540	493	38.2	48.4
Radium Precision ±	-			6.4	7.0	1.9	7.1	8.600	7.0	6.8	1.7	2.1
222Radon	222Rn	pCi/L	1.0	692000	210000	15200	729400				12100	14980
Radon Precision ±	-			1050	700	217	1100				131	148
Quality Assurance Data			Target Range									
Anion	-	meq		14.29	12.85	13.55	12.80	14.17	13.63	13.54	13.61	12.41
Cation	-	meq		13.76	13.14	12.65	12.81	13.56	13.58	13.28	12.72	12.21
WYDEQ A/C Balance	-	%	-5 - +5	-1.65	1.12	-2.71	0.07	-2.17	-0.20	-0.96	-3.98	-0.80
Calc TDS	-	mg/L		917	845	856	838	917	893	880	864	808
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.97	1.02	0.96	1.00	0.92	0.97	0.99	0.99	1.01

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

	PEACH MP-2			PC		PE			
Sample ID:	Peach MP2	Peach 96 MP2	Peach 96 MP2	PC	PC	PE	PE	PE (DUP)	PE
Laboratory ID #:	97-34862	97-48245	97-64857	96-54108	96-64253	96-54103	96-64245	96-64247	97-16438
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	06-20-97	26-Aug-97	10-31-97	24-Sep-96	13-Nov-96	25-Sep-96	13-Nov-96	13-Nov-96	03-03-97
Report Date:	July 14, 1997	Sept. 22, 1997	December 6, 1997	26-Oct-96	4-Dec-96	26-Oct-96	4-Dec-96	4-Dec-96	March 24, 1997
Depth to water:	241.2	241.4	241.1	300.2	300.7	302.0	302.8	302.8	302.4
Static water level:	6495	6495	6495	6499.7	6499.2	6497.5	6496.7	6496.7	6497.1

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	55.7	52.4	51.0	71.9	70.4	70.9	73.3	69.5	67.9
Magnesium	Mg	mg/L	1.0	14.1	13.3	13.1	15.0	14.3	15.1	15.3	14.5	16.1
Sodium	Na	mg/L	1.0	198	198	192	167	163	184	191	181	184
Potassium	K	mg/L	1.0	13.3	13.2	12.3	13.1	12.1	13.3	13.2	12.2	13.0
Carbonate	CO3	mg/L	0.10	0	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.00
Bicarbonate	HCO3	mg/L	0.10	215	215	224	215	220	249	239	242	226
Sulfate	SO4	mg/L	1.0	438	421	403	420	425	452	454	434	432
Chloride	Cl	mg/L	0.10	13.7	15.0	14.6	10.8	11.3	10.4	12.0	12.0	11.2
Ammonium as N	NH4	mg/L	0.05	0.21	0.25	0.21	0.17	0.12	0.13	0.10	0.11	0.15
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.9	0.93	0.97	0.97	0.90	0.99	0.96	0.96	0.93
Silica	SiO2	mg/L	1.0	12	12.2	12.3	16.3	16.1	15.7	16.1	16.2	15.6
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	827	821	805	846	822	889	854	863	872
Conductivity	Cond.	µmho/cm	1.0	1240	1070	1210	1210	1140	1270	1200	1210	1455
Alkalinity as CaCO3	Alk.	mg/L	1.0	176	176	184	176	180	204	196	198	185
pH	-	std. units	0.10	8.18	8.22	8.21	7.34	8.29	6.93	8.21	8.29	7.98
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	0.001	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.01
Boron	B	mg/L	0.10	0.25	0.23	0.25	0.29	0.28	0.32	0.31	0.31	0.31
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	0.05	0.06	0.12	0.06	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.02	0.02	0.02	0.05	0.06	0.05	0.04	0.04	0.04
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0250	0.029	0.028	0.0019	0.0032	0.0013	0.0046	0.0038	0.0040
226Radium	226Ra	pCi/L	0.2	45.9	43.0	39.6	8.6	8.7	9.6	11.2	10.1	12.8
Radium Precision ±	-			2.000	2.0	1.9	0.4	0.5	0.9	1.0	0.5	1.1
222Radon	222Rn	pCi/L	1.0				2530	2320	2400	3610	3660	2850
Radon Precision ±	-						76.0	103.0	69.2	129.0	13.7	84.6
Quality Assurance Data			Target Range									
Anion	-	meq		13.09	12.77	12.55	12.63	12.83	13.85	13.77	13.40	13.07
Cation	-	meq		12.92	12.69	12.34	12.46	12.13	13.16	13.60	12.88	13.10
WYDEQ A/C Balance	-	%	-5 - +5	-0.62	-0.31	-0.84	-0.68	-2.81	-2.55	-0.64	-1.96	0.10
Calc TDS	-	mg/L		854	834	812	823	823	887	896	862	854
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.97	0.98	0.99	1.03	1.00	1.00	0.95	1.00	1.02

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

Sample ID:	PE	PE	PE	PE (DUP)	PF	PF (DUP)	PF	PD (PO)	PD (PO)
Laboratory ID #:	97-54860	97-60551	97-64851	97-64855	96-54190	96-54191	97-65134	96-54107	96-64246
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	06-20-97	30-Aug-97	10-31-97	10-31-97	25-Sep-96	25-Sep-96	31-05-97	24-Sep-96	19-Nov-96
Report Date:	July 14, 1997	Sept. 22, 1997	December 6, 1997	December 6, 1997	26-Oct-96	26-Oct-96	December 8, 1997	26-Oct-96	4-Dec-96
Depth to water:	302.6	302.8	302.4	302.4	226.1	226.1	226.1	415.3	415.7
Static water level:	6497	6497	6497	6497	6493.2	6493.2	6493.2	6504.8	6503.9

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	55.7	75.0	72.5	69.6	85.0	81.4	87.9	47.2	49.2
Magnesium	Mg	mg/L	1.0	14.1	15.3	15.1	15.0	20.0	19.3	20.0	9.0	9.3
Sodium	Na	mg/L	1.0	198	194	192	196	77.2	74.0	79.0	300	308
Potassium	K	mg/L	1.0	13.9	13.6	13.5	13.6	13.6	12.8	13.2	13.4	13.2
Carbonate	CO3	mg/L	0.10	0	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	215	229	229	229	231	231	234	265	224
Sulfate	SO4	mg/L	1.0	438	472	459	450	268	277	269	615	634
Chloride	Cl	mg/L	0.10	13.7	12.4	12.3	12.6	6.5	6.7	5.5	13.7	13.6
Ammonium as N	NH4	mg/L	0.05	0.21	0.15	0.14	0.15	0.17	0.17	0.19	0.19	0.17
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO	mg/L	0.10	< 0.1	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.9	1.05	1.05	1.06	0.49	0.49	0.57	0.88	0.83
Silica	SiO2	mg/L	1.0	12	15.5	15.9	15.7	18.4	18.3	17.5	15.0	15.8
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	827	904	879	889	566	572	561	1150	1120
Conductivity	Cond.	µmho/cm	1.0	1240	1300	1290	1280	806	869	890	1770	1570
Alkalinity as CaCO3	Alk.	mg/L	1.0	176	188	188	188	189	189	192	217	184
pH	-	std. units	0.10	8.18	8.24	8.19	8.20	7.89	7.86	8.09	7.31	8.18
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.25	0.30	0.32	0.37	0.12	0.12	0.13	0.42	0.41
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.10	< 0.10
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.02	0.04	0.04	0.04	0.03	0.03	0.03	0.14	0.13
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0250	0.009	0.007	0.0063	0.0020	0.0005	0.0010	0.0022	0.0038
226Radium	226Ra	pCi/L	0.2	45.9	10.9	11.7	10.6	15.9	10.4	6.5	2.0	4.9
Radium Precision ±	-			2.000	1.0	1.1	1.0	1.3	0.5	0.4	0.2	0.4
222Radon	222Rn	pCi/L	1.0									2790
Radon Precision ±	-											120
Quality Assurance Data			Target Range									
Anion	-	meq		13.09	14.01	13.73	13.55	9.58	9.77	9.63	17.39	17.32
Cation	-	meq		12.92	13.82	13.60	13.63	9.64	9.24	9.86	16.52	16.99
WYDEQ A/C Balance	-	%	-5 - +5	-0.62	-0.66	-0.47	0.27	0.30	-2.80	1.19	-3.14	-0.97
Calc TDS	-	mg/L		854	914	897	889	605	606	610	1147	1157
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.97	0.99	0.98	1.00	0.94	0.94	0.92	1.00	0.97

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

								PCIDM097-1	PCHMP97-1	CAMERON SPRING		
Sample ID:				PO (PD)	PO	PO	PO	PCIDM097-1	PCHMP-97-1	CAMERON SPRING	CAMERON SPRINGS	Cameron Springs S.W
Laboratory ID #:				97-16437	97-34859	97-48552	97-65131	97-63681	97-63683	96-54100	96-64252	97-17034
Sample Matrix:				Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:				03-03-97	06-20-97	30-Aug-97	11-04-97	10-16-97	10-17-97	23-Sep-96	13-Nov-96	03-18-97
Report Date:				March 24, 1997	July 14, 1997	Sept. 22, 1997	December 8, 1997	November 21, 1997	November 21, 1997	26-Oct-96	4-Dec-96	April 1, 1997
Depth to water:				415.3	415.4	415.5	415.4	431.1	436.9			
Static water level:				6504.3	6504	6504	6504	6505.6	6500.8			
Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	46.4	40.5	52.2	54.6	61.8	73.0	7.5	7.6	12.7
Magnesium	Mg	mg/L	1.0	9.9	9.1	9.4	9.9	13.1	17.5	< 1.0	< 1.0	1.10
Sodium	Na	mg/L	1.0	300	303	324	309	198	174	77.8	79.1	68.3
Potassium	K	mg/L	1.0	13.5	13.6	14.2	13.6	13.6	14.1	7.3	6.9	7.60
Carbonate	CO3	mg/L	0.10	0.00	2.6	0	< 0.10	< 0.10	< 0.10	< 0.10	2.9	0
Bicarbonate	HCO3	mg/L	0.10	244	203	259	264	182	174	250	212	209
Sulfate	SO4	mg/L	1.0	584	628	615	627	466	459	17.3	18.6	11.0
Chloride	Cl	mg/L	0.10	13.1	15.2	14.0	14.6	16.9	18.0	2.8	3.7	3.10
Ammonium as N	NH4	mg/L	0.05	0.28	0.9	0.23	0.26	0.15	0.22	< 0.05	< 0.05	0.07
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	0.51	< 0.10	< 0.10	< 0.10	< 0.10	0.20	0.20	< 0.10
Fluoride	F	mg/L	0.10	0.80	0.77	0.89	0.89	0.93	0.81	0.36	0.34	0.30
Silica	SiO2	mg/L	1.0	15.0	6.8	15.2	15.4	13.2	12.7	57.0	58.4	23.9
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	1140	1090	1170	1130	841	826	266	252	255
Conductivity	Cond.	µmho/cm	1.0	1695	1620	1710	1780	1290	1270	391	376	366
Alkalinity as CaCO3	Alk.	mg/L	1.0	200	170	212	216	149	143	205	178	171
pH	-	std. units	0.10	8.13	8.35	8.22	8.17	8.13	8.12	7.64	8.38	8.19
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.40
Arsenic	As	mg/L	0.001	0.004	< 0.001	0.003	0.003	0.001	< 0.001	0.020	0.023	0.008
Barium	Ba	mg/L	0.10	0.01	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.40	0.38	0.40	0.43	0.23	0.23	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	0.23	0.08	< 0.05	0.11	< 0.05	< 0.05	< 0.05	0.26
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.14	0.07	0.13	0.14	0.05	0.03	< 0.01	< 0.01	0.02
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	0.003	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0030	0.0120	0.002	0.0030	< 0.0003	0.033	0.028	0.018	0.007
226Radium	226Ra	pCi/L	0.2	11.2	4.5	4.2	2.1	7.2	444	< 0.2	0.7	0.2
Radium Precision ±	-			1.1	0.500	0.4	0.3	0.5	6.7		0.2	
222Radon	222Rn	pCi/L	1.0	1150					44800			
Radon Precision ±	-			66					263			
Quality Assurance Data			Target Range									
Anion	-	meq		16.58	16.99	17.50	17.86	13.22	12.98	4.57	4.08	3.76
Cation	-	meq		16.58	16.34	17.87	17.38	13.17	13.07	4.04	4.10	3.95
WYDEQ A/C Balance	-	%	-5 - +5	-0.02	-1.94	1.04	-1.35	-0.19	0.33	-6.15	0.14	2.48
Calc TDS	-	mg/L		1105	1123	1175	1178	875	857	297	285	233
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.03	0.97	1.00	0.96	0.96	0.96	0.90	0.88	1.09

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

	Camron Springs	Cameron Springs	Cammron Springs
Sample ID:			
Laboratory ID #:	97-22862	97-48245	97-64853
Sample Matrix:	Water	Water	Water
Sample Date:	04-25-97	26-Aug-97	10-31-97
Report Date:	May 16, 1997	Sept. 22, 1997	December 6, 1997
Depth to water:			
Static water level:			

Major Ions		Units	Detection Limit	Results	Results	Results
Calcium	Ca	mg/L	1.0	16	19.6	18.0
Magnesium	Mg	mg/L	1.0	1.4	2.3	1.9
Sodium	Na	mg/L	1.0	83	109	131
Potassium	K	mg/L	1.0	8.8	11.2	11.8
Carbonate	CO3	mg/L	0.10	4.1	6.4	8.9
Bicarbonate	HCO3	mg/L	0.10	243	312	369
Sulfate	SO4	mg/L	1.0	14.7	17.1	21.1
Chloride	Cl	mg/L	0.10	2.2	4.5	5.0
Ammonium as N	NH4	mg/L	0.05	0.16	0.11	0.24
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.1	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.38	0.48	0.54
Silica	SiO2	mg/L	1.0	36.6	27.9	8.8

Non-Metals						
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	314	412	431
Conductivity	Cond.	µmho/cm	1.0	415	467	643
Alkalinity as CaCO3	Alk.	mg/L	1.0	205	265	315
pH	-	std. units	0.10	8.48	8.56	8.63

Trace Metals						
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	0.47
Arsenic	As	mg/L	0.001	0.014	0.013	0.012
Barium	Ba	mg/L	0.10	< 0.10	0.13	0.12
Boron	B	mg/L	0.10	< 0.10	0.13	0.16
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.005
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	0.60	1.24	0.52
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.02	0.03	0.02
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01

Radiometric						
Uranium	NatU	mg/L	0.0003	0.0120	0.006	0.0090
226Radium	226Ra	pCi/L	0.2	0.6	< 0.2	< 0.2
Radium Precision ±	-			0.200		
222Radon	222Rn	pCi/L	1.0			
Radon Precision ±	-					

Quality Assurance Data			Target Range			
Anion	-	meq		4.50	5.82	6.92
Cation	-	meq		4.80	6.28	7.14
WYDEQ A/C Balance	-	%	-5 - +5	3.23	3.82	1.63
Calc TDS	-	mg/L		289	355	391
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.09	1.16	1.10

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

	GW-5A					GW9			
Sample ID:	GW-5A	GW-5A	GW-5A	GW5A	GW5A	GW-9	GW-9	GW-9	GW-9
Laboratory ID #:	96-54101	97-16539	97-22896	97-47879	97-64837	96-53905	96-65108	97-16295	97-22814
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	23-Sep-96	03-07-97	04-28-97	08-20-97	10-29-97	20-Sep-96	24-Nov-96	02-28-97	04-23-97
Report Date:	26-Oct-96	March 24, 1997	May 23, 1997	Sept. 22, 1997	December 6, 1997	26-Oct-96	4-Dec-96	March 24, 1997	May 22, 1997
Depth to water:	255.0	224.5	224.6	221.5	221.3	126.9	137.5	135.3	139.1
Static water level:	6719.8	6720.5	6720.2	6723.3	6723.6	6703.1	6692.5	6694.7	6691.8

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	190	199	187	194	184	78.9	78.9	73.3	81
Magnesium	Mg	mg/L	1.0	46.7	47.7	45	45.7	43.0	14.4	14.5	13.7	14.6
Sodium	Na	mg/L	1.0	32.1	31.8	33.8	31.5	32.1	21.8	22.2	22.9	21
Potassium	K	mg/L	1.0	21.0	20.8	21.6	20.9	20.3	13.8	13.7	14.8	14
Carbonate	CO3	mg/L	0.10	< 0.10	0.00	0	0	< 0.10	< 0.10	< 0.10	0.00	0
Bicarbonate	HCO3	mg/L	0.10	190	140	199	140	142	250	245	254	254
Sulfate	SO4	mg/L	1.0	616	621	592	591	590	99.0	113	93	101
Chloride	Cl	mg/L	0.10	8.2	7.7	8.4	7.4	7.3	5.3	4.8	4.2	4.1
Ammonium as N	NH4	mg/L	0.05	< 0.05	< 0.05	< 0.05	0.12	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1
Fluoride	F	mg/L	0.10	2.06	1.95	1.86	2.08	2.14	1.11	1.13	1.12	1.1
Silica	SiO2	mg/L	1.0	33.3	34.4	34.4	34.9	35.4	31.2	34.1	33.8	34.2
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	1040	1060	1046	1040	1060	389	389	370	389
Conductivity	Cond.	µmho/cm	1.0	1270	1310	1305	1290	1290	581	584	529	583
Alkalinity as CaCO3	Alk.	mg/L	1.0	156	115	114	115	116	205	201	208	208
pH	-	std. units	0.10	6.33	7.79	7.7	7.76	7.80	7.95	8.22	7.59	8.11
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.17	0.41	0.56
Arsenic	As	mg/L	0.001	0.024	0.024	0.027	0.025	0.022	0.064	0.063	0.064	0.070
Barium	Ba	mg/L	0.10	< 0.10	< 0.01	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.02	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.07	0.17	0.28
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.09	0.14	0.11	0.15	0.17	0.08	< 0.01	< 0.01	< 0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.003	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0012	< 0.0003	< 0.0003	0.001	0.0005	0.022	0.019	0.017	0.0190
226Radium	226Ra	pCi/L	0.2	1.0	2.6	1.1	0.9	1.0	2.8	5.5	2.9	3.1
Radium Precision ±	-			0.2	0.5	0.400	0.2	0.3	0.3	0.4	0.3	0.300
222Radon	222Rn	pCi/L	1.0									
Radon Precision ±	-											
Quality Assurance Data			Target Range									
Anion	-	meq		16.30	15.56	14.95	14.94	14.94	6.52	6.58	6.27	6.44
Cation	-	meq		15.54	15.87	15.14	15.44	14.73	6.42	6.49	6.24	6.62
WYDEQ A/C Balance	-	%	-5 - +5	-3.02	0.96	0.63	1.64	-0.71	0.78	-0.63	-0.26	1.32
Calc TDS	-	mg/L		1047	1035	994	998	986	388	405	384	399
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.99	1.02	1.05	1.04	1.08	1.00	0.96	0.96	0.98

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

			WSL96 M-1						
Sample ID:	GW 9	GW9	WSL.96M-1	WSL.96M-1	WSL.96M-1	WSL.96-M1	WSL 96 M1	WSL96M1	WSL.96MP-1
Laboratory ID #:	97-48020	97-64839	96-54499	96-64251	97-16294	97-22815	97-48021	97-64840	96-55089
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	25-Aug-97	10-30-97	27-Sep-96	15-Nov-96	02-28-97	04-21-97	25-Aug-97	10-30-97	5-Oct-96
Report Date:	Sept. 22, 1997	December 6, 1997	26-Oct-96	4-Dec-96	March 24, 1997	May 22, 1997	Sept. 22, 1997	December 6, 1997	26-Oct-96
Depth to water:	138.9	141.2	175.5	No Measure	175.8	175.3	176.1	176.9	148.4
Static water level:	6651.1	6648.8	6651.2	No Measure	6651.5	6651	6650	6650	6648.6

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	83.5	77.1	126	110	99	103	114	106	80.0
Magnesium	Mg	mg/L	1.0	14.3	13.9	19.2	15.0	14.6	16.6	19.3	19.0	8.2
Sodium	Na	mg/L	1.0	24.0	23.5	34.5	32.4	31.7	27.9	30.9	29.2	29.1
Potassium	K	mg/L	1.0	16.5	14.6	19.5	18.4	18.4	16.1	18.3	16.1	10.2
Carbonate	CO3	mg/L	0.10	0	< 0.10	< 0.10	< 0.10	0.00	0	0	< 0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	253	253	227	198	185	171	196	211	284
Sulfate	SO4	mg/L	1.0	103	97.1	249	247	221	244	256	234	60.6
Chloride	Cl	mg/L	0.10	4.5	4.5	15.8	16.2	11.8	9.5	6.6	5.3 *	5.8
Ammonium as N	NH4	mg/L	0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	0.06	< 0.05	< 0.05	< 0.05
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	0.39	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.22	1.27	0.71	0.76	0.75	0.7	0.69	0.74	0.37
Silica	SiO2	mg/L	1.0	33.1	32.5	31.1	25.5	23.4	23.3	27.7	28.4	45.7
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	399	394	645	543	507	523	535	552	378
Conductivity	Cond.	umho/cm	1.0	599	604	853	756	759	741	784	778	558
Alkalinity as CaCO3	Alk.	mg/L	1.0	207	207	186	162	152	140	161	173	233
pH	-	std. units	0.10	8.06	7.99	8.09	8.30	8.18	7.87	8.03	8.00	8.12
Trace Metals												
Aluminum	Al	mg/L	0.10	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.070	0.075	0.006	0.007	0.005	0.006	0.006	0.006	0.015
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.03	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	0.07	< 0.05	0.10	0.08	0.10	0.11	0.05	0.07	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	< 0.01	< 0.01	0.09	0.07	0.07	0.08	0.09	0.09	0.06
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	0.004
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.015	0.017	0.0042	0.048	0.003	0.0030	0.005	0.0056	0.0081
226Radium	226Ra	pCi/L	0.2	5.0	2.0	10.1	8.7	9.1	8.2	8.1	6.5	1200
Radium Precision ±	-			0.4	0.3	1.0	0.5	0.5	0.500	0.5	0.5	10.0
222Radon	222Rn	pCi/L	1.0			4160	4330	4050				153000
Radon Precision ±	-					106	124	85				600
Quality Assurance Data			Target Range									
Anion	-	meq		6.48	6.38	9.40	8.89	8.02	8.19	8.78	8.53	6.11
Cation	-	meq		6.85	6.45	9.92	8.63	8.02	8.18	9.14	8.59	6.23
WYDEQ A/C Balance	-	%	-5 - +5	2.76	0.34	2.72	-1.96	-0.05	-0.05	1.99	0.34	0.93
Calc TDS	-	mg/L		407	393	610	565	515	527	572	545	383
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.98	1.00	1.06	0.96	0.99	0.99	0.97	1.01	0.99

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

	WSL96 MP-1					TVA-MW1			
Sample ID:	WSL96MP-1	WSL 96 MP-1	WSL96 MP1	WSL 96 MP1	WSL96MP1	TVAMW-1	TVAMW-1(DUP)	TVAMW-1	TVA MW-1
Laboratory ID #:	96-64894	97-16441	97-36810	97-48022	97-64841	96-54097	96-54098	96-65109	97-16530
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	21-Nov-96	03-01-97	05-05-97	25-Aug-97	10-30-97	23-Sep-96	23-Sep-96	24-Nov-96	03-05-97
Report Date:	4-Dec-96	March 24, 1997	May 27, 1997	Sept. 22, 1997	December 6, 1997	26-Oct-96	26-Oct-96	4-Dec-96	March 24, 1997
Depth to water:	149.7	No Measure	No Measure	Pump set in well	149.8	84.8	84.8	84.3	84.1
Static water level:	6648.3	No Measure	No Measure	No Measure	6647	6923.5	6923.5	6923.7	6923.9

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	87.3	79.5	84.3	87.3	80.8	20.8	20.5	20.2	20.7
Magnesium	Mg	mg/L	1.0	8.8	9.2	8.5	9.3	8.2	2.4	2.4	2.2	2.3
Sodium	Na	mg/L	1.0	30.0	29.0	31.3	31.1	29.9	60.9	60.3	67.0	58.2
Potassium	K	mg/L	1.0	10.7	10.7	11.3	11.9	10.7	9.8	9.7	8.3	9.2
Carbonate	CO3	mg/L	0.10	< 0.10	0.00	0	0	< 0.10	< 0.10	< 0.10	< 0.10	0.00
Bicarbonate	HCO3	mg/L	0.10	287	283	290	292	289	199	198	218	194
Sulfate	SO4	mg/L	1.0	64.4	62.2	63.9	65.9	63.3	39.5	40.1	46.2	38.1
Chloride	Cl	mg/L	0.10	6.5	5.6	< 1	5.8	5.2	4.7	4.6	5.9	5.2
Ammonium as N	NH4	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	0.05	< 0.05	0.07
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO	mg/L	0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.40	0.39	0.38	0.40	0.45	0.43	0.45	0.38	0.41
Silica	SiO2	mg/L	1.0	47.1	45.9	45.2	46.6	47.0	44.0	43.3	45.1	41.3
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	360	366	380	396	389	278	264	245	272
Conductivity	Cond.	µmho/cm	1.0	569	576	575	589	582	446	405	400	407
Alkalinity as CaCO3	Alk.	mg/L	1.0	235	232	238	239	237	163	162	179	159
pH	-	std. units	0.10	7.92	8.03	7.97	8.07	7.98	6.53	7.18	8.29	7.94
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.013	0.012	0.011	0.012	0.012	0.014	0.014	0.014	0.015
Barium	Ba	mg/L	0.10	< 0.10	0.04	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.04
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	0.07	0.08	0.13	0.12	< 0.05	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.06	0.06	0.06	0.06	0.06	0.16	0.16	0.14	0.15
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	0.006	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.016	0.012	0.0120	0.012	0.012	0.0008	0.0006	0.0011	< 0.0003
226Radium	226Ra	pCi/L	0.2	1310	1320	1240.0	1250	1050	< 0.2	< 0.2	1.1	1.8
Radium Precision ±	-			8.4	10.9	10.800	10.6	12.5			0.2	0.4
222Radon	222Rn	pCi/L	1.0	644000	782300							
Radon Precision ±	-			134	1040							
Quality Assurance Data			Target Range									
Anion	-	meq		6.25	6.12	6.15	6.54	6.24	4.25	4.24	4.74	4.15
Cation	-	meq		6.69	6.30	6.59	6.74	6.52	4.16	4.12	4.34	4.02
WYDEQ A/C Balance	-	%	-5 - +5	3.41	1.45	3.50	2.99	0.69	-0.99	-1.41	-4.59	-1.57
Calc TDS	-	mg/L		399	385	392	404	391	283	281	305	273
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.90	0.95	0.97	0.98	1.00	0.98	0.94	0.80	1.00

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

Sample ID:	TVA MW-1	TVAMW1	TVAMW-2	TVAMW-2	TVA MW-2	TVA MW-2	TVA-MW2	TVA MW-2	TVA MW-2 (DUP)
Laboratory ID #:	97-22897	97-64836	96-84102	96-65111	97-16539	97-22895	97-47878	97-65130	97-65133
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	04-28-97	10-29-97	25-Sep-96	24-Nov-96	03-07-97	04-28-97	08-20-97	11-04-97	11-04-97
Report Date:	May 23, 1997	December 8, 1997	26-Oct-96	4-Dec-96	March 24, 1997	May 23, 1997	Sept. 22, 1997	December 8, 1997	December 8, 1997
Depth to water:	82.9	81.8	63.9	64.2	89.8	89.7	89.8	61.3	61.3
Static water level:	6925	6927	6871.1	6870.8	6875.8	6875	6877	6874	6874

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	20.4	20.4	56.6	59.4	60.5	62.9	61.3	64.1	64.4
Magnesium	Mg	mg/L	1.0	2.5	2.3	6.9	7.0	7.5	7.2	7.2	7.6	7.6
Sodium	Na	mg/L	1.0	64.2	60.2	31.1	28.9	27.6	28.9	29.8	28.8	29.0
Potassium	K	mg/L	1.0	9.8	9.3	13.5	12.4	12.8	13.3	13.9	13.5	13.6
Carbonate	CO3	mg/L	0.10	0	< 0.10	< 0.10	< 0.10	0.00	0	0	< 0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	192	194	211	223	216	210	212	215	217
Sulfate	SO4	mg/L	1.0	37.9	39.0	52.1	76.2	62.9	64.2	61.2	69.1	68.6
Chloride	Cl	mg/L	0.10	4.8	5.1	4.9	6.9	4.9	5.3	5.2	5.6	5.4
Ammonium as N	NH4	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.09	0.07	0.06
Nitrite as N	NO2	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.4	0.46	0.37	0.31	1.28	0.33	0.36	0.37	0.38
Silica	SIO2	mg/L	1.0	42	42.9	52.1	56.2	52.1	56.4	57.2	53.0	52.4

Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	274	283	331	377	347	325	315	310	296
Conductivity	Cond.	µmho/cm	1.0	409	410	486	480	473	477	471	504	501
Alkalinity as CaCO3	Alk.	mg/L	1.0	157	159	173	183	177	172	174	176	178
pH	-	std. units	0.10	8.14	8.06	7.13	8.50	8.12	8.03	8.16	8.04	8.07

Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.14	0.22	< 0.10	< 0.10	0.11	< 0.10
Arsenic	As	mg/L	0.001	0.016	0.014	0.021	0.021	0.021	0.022	0.020	0.022	0.021
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.06	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.005
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	0.06	0.11	0.05	< 0.05	0.06	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.15	0.15	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	0.002	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Radiometric												
Uranium	NatU	mg/L	0.0003	< 0.0003	< 0.0003	0.0193	0.022	0.0210	0.0180	0.019	0.029	0.023
226Radium	226Ra	pCi/L	0.2	< 0.2	< 0.2	< 0.2	1.1	0.9	0.6	< 0.2	0.9	< 0.2
Radium Precision ±	-						0.2	0.2	0.200		0.2	
222Radon	222Rn	pCi/L	1.0									
Radon Precision ±	-											

Quality Assurance Data			Target Range									
Anion	-	meq		4.09	4.17	4.71	5.47	5.06	4.95	4.93	5.15	5.17
Cation	-	meq		4.28	4.09	5.12	5.14	5.21	5.36	5.33	5.46	5.48
WYDEQ A/C Balance	-	%	-5 - +5	2.19	-0.90	4.15	-3.04	1.48	3.94	3.96	2.92	2.97
Calc TDS	-	mg/L		278	277	324	359	338	344	343	350	350
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.98	1.02	1.02	1.05	1.03	0.94	0.92	0.89	0.84

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

	TVA-MW3					FRI-1			
Sample ID:	TVAMW3	TVAMW3	TVA MW3	TVA MW3	TVA MW3	FRI-1	FRI-1	FRI-1	FRI-1
Laboratory ID #:	96-54099	96-65110	97-16540	97-26593	97-45129	96-54500	96-64033	97-16440	97-22894
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	23-Sep-96	24-Nov-96	03-07-97	04-29-97	11-04-97	27-Sep-96	12-Nov-96	03-04-97	04-28-97
Report Date:	26-Oct-96	4-Dec-96	March 24, 1997	May 22, 1997	December 8, 1997	26-Oct-96	4-Dec-96	March 24, 1997	May 23, 1997
Depth to water:	78.8	77.7	77.9	77.8	77.4	163.2	164.1	163.2	Pump in well
Static water level:	6746.2	6747.3	6747.2	6747	6748	6651.4	6650.5	6651.4	No Measure

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	60.7	60.6	61.7	65.4	69.8	670	459	672	629
Magnesium	Mg	mg/L	1.0	9.5	8.9	9.3	9.5	10.1	119	26.3	118.0	115
Sodium	Na	mg/L	1.0	33.6	32.9	33.5	35	34.3	22.3	77.4	21.5	28.9
Potassium	K	mg/L	1.0	15.1	15.4	15.2	14.1	15.5	24.4	5.5	24.1	25.7
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	0.00	0	< 0.10	< 0.10	< 0.10	0.00	0
Bicarbonate	HCO3	mg/L	0.10	265	270	271	270	277	400	400	397	400
Sulfate	SO4	mg/L	1.0	50.0	56.1	48.4	53	55.4	1850	972	1710	1883
Chloride	Cl	mg/L	0.10	4.7	5.8	4.5	5.2	4.9	9.0	50.8	8.4	10.3
Ammonium as N	NH4	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.07	0.13	0.12	0.15	0.12
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1
Nitrite + Nitrate as N	NO2 + NO	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1
Fluoride	F	mg/L	0.10	0.58	0.51	0.53	0.51	0.68	0.51	0.50	0.47	0.46
Silica	SiO2	mg/L	1.0	45.7	47.7	45.6	14.2	43.9	33.4	22.8	29.6	36.4
Non Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	335	330	330	341	324	3070	1940	2975	3018
Conductivity	Cond.	µmho/cm	1.0	521	515	542	523	555	2810	2540	3390	2988
Alkalinity as CaCO3	Alk.	mg/L	1.0	217	221	222	221	227	328	328	325	328
pH	-	std. units	0.10	7.68	8.18	7.83	7.87	8.10	7.18	7.16	7.57	7.57
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10
Arsenic	As	mg/L	0.001	0.017	0.016	0.019	0.019	0.025	< 0.001	0.004	0.00	0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	0.03	< 0.10	< 0.10	< 0.10	< 0.10	0.01	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.40	0.81	2.95	0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.20	0.17	0.18	0.18	0.17	0.91	0.32	0.81	0.86
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.00	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	0.02	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.0011	0.0004	< 0.0003	< 0.0003	0.0030	0.0068	0.0058	0.0080	0.0060
226Radium	226Ra	pCi/L	0.2	2.5	2.5	2.9	2.4	2.7	21.5	2.1	26.1	18.0
Radium Precision ±	-			0.9	0.3	0.5	0.900	0.3	1.9	1.4	1.5	1.200
222Radon	222Rn	pCi/L	1.0									
Radon Precision ±	-											
Quality Assurance Data			Target Range									
Anion	-	meq		5.55	5.79	5.61	5.70	5.88	45.39	28.27	42.39	46.11
Cation	-	meq		5.68	5.57	5.73	5.88	6.25	45.26	28.72	43.21	43.01
WYDEQ A/C Balance	-	%	-5 - +5	1.17	-1.91	1.01	1.53	3.07	-0.15	0.78	3.22	-3.48
Calc TDS	-	mg/L		353	361	355	330	374	2933	1816	2787	2950
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.95	0.91	0.99	1.05	0.87	1.05	1.07	1.07	1.02

D-6-7-1-24

LABORATORY ANALYSIS REPORT : FRI GAS HILLS PROJECT

Sample ID:	FRI #1	FRI #1	BUMU97-3	BUMU97-1	BUMO97-3	BUSS PIT	BUSS PIT S.W.	BUSS Pit	BUSS Pit
Laboratory ID #:	97-48024	97-64844	BUMU97-1	BUMU97-1	BUMO97-1	96-64254	97-17037	97-26811	97-48018
Sample Matrix:	Water	Water	97-63688	97-63689	97-63968	Water	Water	Water	Water
Sample Date:	25-Aug-97	10-30-97	Water	Water	Water	Water	Water	Water	Water
Report Date:	Sept. 22, 1997	December 6, 1997	10-20-97	10-20-97	10-31-97	13-Nov-96	03-18-97	05-05-97	25-Aug-97
Depth to water:	Pump in well	165.2	November 21, 1997	November 21, 1997	November 12, 1997	Dec-96	April 1, 1997	May 27, 1997	Sept. 22, 1997
Static water level:	No Measure	6649.4	853.4	851.0	812.4				
			6648.6	6651.6	6688.9				

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	747	675	239	392	269	615	160	497	572
Magnesium	Mg	mg/L	1.0	108	102	64.8	89.3	61.5	135	19.8	101	110
Sodium	Na	mg/L	1.0	22.3	21.6	57.4	48.0	29.6	40.0	8.6	36.9	41.3
Potassium	K	mg/L	1.0	26.7	24.2	28.5	30.7	28.2	35.2	9.5	32.4	35.9
Carbonate	CO3	mg/L	0.10	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0	0	0
Bicarbonate	HCO3	mg/L	0.10	406	405	184	261	103	57.2	22.3	22.3	18.8
Sulfate	SO4	mg/L	1.0	1870	1750	823	1190	839	2094	488	1678	1870
Chloride	Cl	mg/L	0.10	9.3	8.5	4.9	7.5	16.7	11.1	2.2	< 1	10.9
Ammonium as N	NH4	mg/L	0.05	0.11	0.18	0.18	0.18	0.19	< 0.05	0.08	< 0.05	0.06
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.1	< 0.10
Fluoride	F	mg/L	0.10	0.50	0.51	0.75	0.76	3.31	0.92	0.35	0.77	1.07
Silica	SiO2	mg/L	1.0	30.4	29.6	17.2	20.7	13.5	5.7	4.4	5.5	4.8
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	3070	3060	1550	1970	1340	2980	712	2540	3080
Conductivity	Cond.	µmho/cm	1.0	3040	2930	1670	2240	1620	2630	973	2260	3000
Alkalinity as CaCO3	Alk.	mg/L	1.0	333	332	151	214	84.1	31	18.3	18.3	15.4
pH	-	std. units	0.10	7.69	7.38	8.01	7.88	8.15	7.61	7.46	7.28	7.19
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.252	0.004	< 0.001	< 0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	3.60	2.10	0.82	1.58	< 0.05	1.00	< 0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.84	0.85	0.05	0.06	0.33	1.42	0.19	1.24	1.50
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.12	0.11
Selenium	Se	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.020	0.015	0.002	0.015	0.015
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	0.01	< 0.01	0.03	0.02
Radiometric												
Uranium	NatU	mg/L	0.0003	0.006	0.0075	0.0010	0.035	0.216	0.115	0.041	0.1070	0.087
226Radium	226Ra	pCi/L	0.2	16.4	14.5	11.0	128	6.1	1.8	0.2	3.2	3.7
Radium Precision ±	-			1.2	0.8	1.1	5.5	0.4	0.2		0.900	0.3
222Radon	222Rn	pCi/L	1.0				21900					
Radon Precision ±	-						181					
Quality Assurance Data			Target Range									
Anion	-	meq		45.91	42.96	20.35	29.33	19.81	44.60	10.63	35.40	39.64
Cation	-	meq	-	48.26	45.99	20.65	30.03	20.63	44.78	10.29	35.78	40.58
WYDEQ A/C Balance	-	%	-5 - +5	2.49	1.19	0.72	29.33	2.02	0.20	-1.61	0.54	1.17
Calc TDS	-	mg/L		3022	2797	1329	30.03	1313	2958	705	2365	2657
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.02	1.09	1.02	1.18	1.02	1.01	1.01	1.07	1.16

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

Sample ID:	BUES PH
Laboratory ID #:	97-6849
Sample Matrix:	Water
Sample Date:	10-30-97
Report Date:	December 6, 1997
Depth to water:	
Static water level:	

Major Ions		Units	Detection Limit	Results
Calcium	Ca	mg/L	1.0	618
Magnesium	Mg	mg/L	1.0	112
Sodium	Na	mg/L	1.0	41.5
Potassium	K	mg/L	1.0	36.4
Carbonate	CO3	mg/L	0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	18.7
Sulfate	SO4	mg/L	1.0	2010
Chloride	Cl	mg/L	0.10	10.2
Ammonium as N	NH4	mg/L	0.05	0.14
Nitrite as N	NO2	mg/L	0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10
Fluoride	F	mg/L	0.10	1.10
Silica	SiO2	mg/L	1.0	5.1

Non-Metals				
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	3070
Conductivity	Cond.	µmho/cm	1.0	2920
Alkalinity as CaCO3	Alk.	mg/L	1.0	15.3
pH	-	std. units	0.10	7.14

Trace Metals				
Aluminum	Al	mg/L	0.10	< 0.10
Arsenic	As	mg/L	0.001	< 0.001
Barium	Ba	mg/L	0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.005
Chromium	Cr	mg/L	0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05
Manganese	Mn	mg/L	0.01	1.98
Mercury	Hg	mg/L	0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10
Nickel	Ni	mg/L	0.05	0.15
Selenium	Se	mg/L	0.001	0.014
Vanadium	V	mg/L	0.10	< 0.10
Zinc	Zn	mg/L	0.01	0.03

Radiometric				
Uranium	NatU	mg/L	0.0003	0.092
226Radium	226Ra	pCi/L	0.2	5.7
Radium Precision ±	-			0.4
222Radon	222Rn	pCi/L	1.0	
Radon Precision ±	-			

Quality Assurance Data			Target Range	
Anion	-	meq		42.33
Cation	-	meq		43.10
WYDEQ A/C Balance	-	%	-5 - +5	0.66
Calc TDS	-	mg/L		2846
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.08

D-6-7-1-26

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

	GW10A	GW-11						MW-1 (VECA)	MW-1 (VECA)
Sample ID:	GW10A	GW-11	GW-11(DUP)	GW-11	GW-11	GW-11	GW11	MW-1 (VECA)	MW-1 (VECA)
Laboratory ID #:	97-03691	96-53895	96-53896	96-65112	97-16252	97-32814	97-65127	96-53897	96-65883
Sample Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Date:	10-20-97	19-Sep-96	19-Sep-96	24-Nov-96	02-25-97	04-21-97	11-04-97	20-Sep-96	21-Nov-96
Report Date:	November 21, 1997	26-Oct-96	26-Oct-96	4-Dec-96	March 18, 1997	May 22, 1997	December 9, 1997	26-Oct-96	4-Dec-96
Depth to water:	186.7	26.4	26.4	26.8	27.8	27.6	30.1	87.1	86.1
Static water level:	6024.6	6876.7	6876.7	6876.6	6875.8	6875.8	6873.8	6801.0	6802.0

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	409	321	311	305	286.0	303	339	505	569
Magnesium	Mg	mg/L	1.0	71.8	48.5	47.6	47.2	46.6	47.3	51.5	106	114
Sodium	Na	mg/L	1.0	27.2	34.9	35.5	35.9	36.7	34.6	37.1	37.0	38.0
Potassium	K	mg/L	1.0	19.4	14.3	14.3	14.3	15.7	14.8	15.8	41.8	45.0
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.00	0	< 0.10	< 0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	296	223	223	221	218	216	218	207	206
Sulfate	SO4	mg/L	1.0	1040	670	661	685	630	684	741	1580	1641
Chloride	Cl	mg/L	0.10	5.2	141	135	122	112	106	122	80.4	97.0
Ammonium as N	NH4	mg/L	0.05	0.22	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.10	< 0.05	< 0.05
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2 + NO	mg/L	0.10	< 0.10	< 0.10	0.12	0.27	0.17	0.19	0.21	0.70	0.61
Fluoride	F	mg/L	0.10	1.22	0.60	0.61	0.61	0.63	0.62	0.74	1.10	1.21
Silica	SiO2	mg/L	1.0	23.4	36.9	36.5	36.9	34.3	34.4	33.1	24.1	23.5
Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	1760	1450	1430	1410	1350	1423	1420	2650	2660
Conductivity	Cond.	µmho/cm	1.0	2030	1690	1680	1610	1740	1679	1800	2560	2670
Alkalinity as CaCO3	Alk.	mg/L	1.0	243	183	183	181	179	177	179	170	169
pH	-	std. units	0.10	7.80	7.45	7.51	7.94	7.89	7.68	7.75	7.43	7.67
Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.009	0.005	0.003	0.022	0.016	0.012	0.010	< 0.001	0.002
Barium	Ba	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.02	< 0.10	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	4.1	0.05	0.06	< 0.05	< 0.05	0.10	0.07	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	1.09	0.02	0.01	0.01	< 0.01	0.02	0.03	0.05	0.04
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	0.012	0.016	0.025	0.027	0.023	0.022	0.089	0.080
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Radiometric												
Uranium	NatU	mg/L	0.0003	0.021	0.154	0.133	0.147	0.120	0.1590	0.159	0.0952	0.058
226Radium	226Ra	pCi/L	0.2	9.2	4.2	3.3	6.0	5.4	5.9	4.5	8.4	16.6
Radium Precision ±	-			0.5	0.3	0.3	0.4	0.4	0.400	0.4	0.7	1.0
222Radon	222Rn	pCi/L	1.0									
Radon Precision ±	-											
Quality Assurance Data			Target Range									
Anion	-	meq		26.74	21.63	21.27	21.58	20.52	20.82	22.50	38.69	40.41
Cation	-	meq		28.42	21.99	21.44	21.03	20.20	21.80	23.28	36.78	40.77
WYDEQ A/C Balance	-	%	-5 - +5	3.04	0.83	0.39	-0.83	-0.30	0.43	1.71	-2.55	0.45
Calc TDS	-	mg/L		1751	1379	1354	1357	1292	1334	1450	2482	2635
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.01	1.05	1.06	1.04	1.04	1.07	0.98	1.07	1.01

LABORATORY ANALYSIS REPORT - FRI GAS HILLS PROJECT

Sample ID:	VECA MW-1					VECA MW-3A		PDXMP97-1
Laboratory ID #:	VECA MW-1	MW-1 VECA	VECA MW-1	MW-3A (VECA)	MW-3A (VECA)	VECA MW-3	MW-3 VECA	VECAMW3A	PDXMP97-1
Sample Matrix:	97-16333	97-22893	97-45128	96-63898	96-64845	97-16532	97-22892	97-64838	97-63682
Sample Date:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Report Date:	03-06-97	04-28-97	11-04-97	30-Sep-96	29-Nov-96	03-06-97	04-28-97	10-29-97	10-17-97
Depth to water:	March 24, 1997	May 23, 1997	December 8, 1997	26-Oct-96	6-Dec-96	March 24, 1997	May 23, 1997	December 6, 1997	November 21, 1997
Static water level:	86.8	86.4	84.6	98.4	99.1	85.4	95.1	94.1	30.9
	6802.1	6802	6804	6752.8	6752.1	6755.8	6756	6757	6855.2

Major Ions		Units	Detection Limit	Results	Results	Results	Results	Results	Results	Results	Results	Results
Calcium	Ca	mg/L	1.0	544	580	558	344	378	419	431	440	180
Magnesium	Mg	mg/L	1.0	120	110	109	51.8	56.8	57.6	65.4	62.1	32.0
Sodium	Na	mg/L	1.0	54.6	42.4	40.5	39.0	40.9	37.1	43.6	41.7	38.9
Potassium	K	mg/L	1.0	42.1	47.0	44.6	12.9	14.0	12.8	16	14.9	13.6
Carbonate	CO3	mg/L	0.10	0.00	0	< 0.10	< 0.10	< 0.10	0.00	0	< 0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	220	226	227	226	235	227	248	254	210
Sulfate	SO4	mg/L	1.0	1675	1595	1600	871	893	995.0	1070	1060	456
Chloride	Cl	mg/L	0.10	76.0	118.0	124	55.5	57.6	67.00	74	70.9	5.7
Ammonium as N	NH4	mg/L	0.05	< 0.05	< 0.05	0.16	< 0.05	0.10	0.09	0.08	0.13	0.06
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	0.74	0.23	0.24	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	1.41	1.32	1.57	0.86	0.84	0.88	0.76	0.89	0.61
Silica	SiO2	mg/L	1.0	25.5	24.5	23.4	19.8	19.5	19.9	20.1	19.5	19.3

Non-Metals												
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	2710	2682	2640	1560	1720	1580	1857	1950	852
Conductivity	Cond.	µmho/cm	1.0	2910	2858	2900	1710	1800	1870	2131	2190	1160
Alkalinity as CaCO3	Alk.	mg/L	1.0	180	185	186	185	193	186	203	208	172
pH	-	std. units	0.10	7.68	7.81	7.74	7.42	7.82	7.55	7.68	7.71	7.94

Trace Metals												
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.001	0.006	0.002	0.025	0.011	0.015	0.076	0.027	< 0.001
Barium	Ba	mg/L	0.10	0.01	< 0.10	< 0.10	< 0.10	< 0.10	0.01	< 0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	< 0.10	0.11	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05	< 0.05	2.89	0.49	1.04	2.98	0.79	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.08	0.06	0.08	0.67	0.69	0.78	0.78	0.84	0.20
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.10	0.11	< 0.10	0.15	0.17	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	0.057	0.040	0.035	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	0.07	0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	0.02

Radiometric												
Uranium	NatU	mg/L	0.0003	0.075	0.0680	0.076	0.184	0.144	0.135	0.202	0.209	0.012
226Radium	226Ra	pCi/L	0.2	22.2	9.4	10.2	11.2	109	14	16.3	12.7	647
Radium Precision ±	-			1.4	0.600	0.9	0.9	2.4	1.2	1.600	0.7	8.1
222Radon	222Rn	pCi/L	1.0									66200
Radon Precision ±	-											341

Quality Assurance Data			Target Range									
Anion	-	meq		40.76	40.54	40.65	23.46	24.14	26.99	28.48	28.29	15.14
Cation	-	meq		39.81	41.23	39.92	23.75	25.85	27.81	29.52	29.48	15.74
WYDEQ A/C Balance	-	%	-5 - +5	-1.19	1.10	-0.91	0.62	3.42	2.62	1.79	2.05	2.22
Calc TDS	-	mg/L		2632	2632	2616	1512	1580	1725	1849	1839	852
TDS A/C Balance	-	dec. %	0.80 - 1.20	1.03	1.02	1.01	1.03	1.09	0.92	1.00	1.06	1.00

D-6-7-1-28

LABORATORY ANALYSIS REPORT - PRI GAS HILLS PROJECT

Sample ID:	PDXMO97-4	PIXMU97-3
Laboratory ID #:	PIXMO97-4	PIXMU97-3
Sample Matrix:	979-63690	97-63684
Sample Date:	Water	Water
Report Date:	10-19-97	10-18-97
Depth to water:	November 21, 1997	November 21, 1997
Static water level:	19.8	107.5
	6856.3	6768.7

Major Ions		Units	Detection Limit	Results	Results
Calcium	Ca	mg/L	1.0	179	179
Magnesium	Mg	mg/L	1.0	90.6	42.1
Sodium	Na	mg/L	1.0	39.0	53.4
Potassium	K	mg/L	1.0	14.9	24.1
Carbonate	CO3	mg/L	0.10	< 0.10	< 0.10
Bicarbonate	HCO3	mg/L	0.10	194	221
Sulfate	SO4	mg/L	1.0	442	519
Chloride	Cl	mg/L	0.10	9.5	18.0
Ammonium as N	NH4	mg/L	0.05	0.14	0.15
Nitrite as N	NO2	mg/L	0.10	< 0.10	< 0.10
Nitrite + Nitrate as N	NO2+NO	mg/L	0.10	< 0.10	< 0.10
Fluoride	F	mg/L	0.10	0.67	0.59
Silica	SiO2	mg/L	1.0	18.7	18.6

Non-Metals					
Total Dissolved Solids @ 180°C	TDS	mg/L	1.0	824	902
Conductivity	Cond.	µmho/cm	1.0	1130	1310
Alkalinity as CaCO3	Alk.	mg/L	1.0	159	181
pH	-	std. units	0.10	8.00	8.12

Trace Metals					
Aluminum	Al	mg/L	0.10	< 0.10	< 0.10
Arsenic	As	mg/L	0.001	0.006	0.002
Barium	Ba	mg/L	0.10	< 0.10	< 0.10
Boron	B	mg/L	0.10	0.10	0.11
Cadmium	Cd	mg/L	0.01	< 0.01	< 0.01
Chromium	Cr	mg/L	0.05	< 0.05	< 0.05
Copper	Cu	mg/L	0.01	< 0.01	< 0.01
Iron	Fe	mg/L	0.05	< 0.05	< 0.05
Lead	Pb	mg/L	0.05	< 0.05	< 0.05
Manganese	Mn	mg/L	0.01	0.20	0.03
Mercury	Hg	mg/L	0.001	< 0.001	< 0.001
Molybdenum	Mo	mg/L	0.10	< 0.10	< 0.10
Nickel	Ni	mg/L	0.05	< 0.05	< 0.05
Selenium	Se	mg/L	0.001	< 0.001	< 0.001
Vanadium	V	mg/L	0.10	< 0.10	< 0.10
Zinc	Zn	mg/L	0.01	< 0.01	< 0.01

Radionuclide					
Uranium	Nat U	mg/L	0.0003	< 0.0003	0.0040
226Radium	226Ra	pCi/L	0.2	5.5	19.1
Radium Precision ±	-			0.4	1.4
222Radon	222Rn	pCi/L	1.0		
Radon Precision ±	-				

Quality Assurance Data			Target Range		
Anion	-	meq		12.70	14.84
Cation	-	meq		13.61	15.42
WYDEQ A/C Balance	-	%	-5 - +5	3.48	1.92
Calc TDS	-	mg/L		832	960
TDS A/C Balance	-	dec. %	0.80 - 1.20	0.99	1.00

ADDENDUM D6-7-2

HISTORIC GROUND WATER QUALITY DATA

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: MO-3

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
331	311-331	5	6782.2	6780.2	257.3	6524.9

DATE	910917
TEMP	
TDS	607
COND	1018
CONDf	
pH	8.3
pHf	
Na	161
K	23
Ca	35
Mg	5.9
SO4	261
Cl	34
CO3	0
HCO3	214
HCO3f	
ALK	176
Al	-0.1
NH3	0.13
As	0.001
Ba	-0.1
B	-0.1
Cd	-0.01
Cr	-0.05
Cu	-0.01
F	1.2
Fe	-0.05
HARD	
Pb	-0.05
Mn	-0.01
Hg	-0.001
Mo	-0.1
Ni	-0.05
NO3	-0.01
NO2	-0.01
Se	-0.001
U	-0.03
V	-0.1
Zn	-0.01
Ra226	5.8
BALNC	

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: PRI-1

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
289	233-278	5	6814.6	6812	153.65	6660.95

DATE	931011
TEMP	
TDS	2468
COND	
CONDf	
pH	6.78
pHf	
Na	26
K	23
Ca	547
Mg	95.7
SO4	1548
Cl	6.18
CO3	0
HCO3	390
HCO3f	
ALK	320
Al	-0.1
NH3	
As	0.004
Ba	-0.1
B	-0.1
Cd	-0.1
Cr	-0.05
Cu	-0.1
F	0.62
Fe	3.07
HARD	
Pb	-0.05
Mn	0.87
Hg	-0.001
Mo	-0.1
Ni	0.17
NO3	0.13
NO2	-0.1
Se	0.023
U	0.012
V	-0.1
Zn	0.01
Ra226	20.1
BALNC	

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: BSPW-1

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
440	406-425	5	6887.9	6885.9	255	6630.9

DATE	920826
TEMP	
TDS	672
COND	819
CONDf	
pH	7.3
pHf	
Na	133
K	12.9
Ca	76
Mg	14.5
SO4	275
Cl	7.9
CO3	0
HCO3	295
HCO3f	
ALK	242
Al	-0.1
NH3	0.13
As	0.07
Ba	-0.1
B	-0.1
Cd	-0.01
Cr	-0.05
Cu	-0.01
F	0.79
Fe	0.46
HARD	
Pb	-0.05
Mn	0.14
Hg	-0.001
Mo	-0.1
Ni	-0.05
NO3	-0.1
NO2	-0.01
Se	-0.001
U	-0.003
V	-0.1
Zn	0.05
Ra226	335
BALNC	

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: CAMERON SPRING

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)

DATE	880806	890427
TEMP		
TDS	296	242
COND	386	390
CONDf		
pH	7.95	8.15
pHf		
Na		
K		
Ca		
Mg		
SO4		
Cl		
CO3		
HCO3		
HCO3f		
ALK	180	167
Al		
NH3		
As		
Ba		
B	-0.1	-0.1
Cd	0.02	-0.01
Cr	-0.05	-0.05
Cu		
F		
Fe	-0.05	-0.05
HARD		
Pb	-0.05	-0.05
Mn	-0.01	-0.01
Hg		
Mo	-0.1	-0.1
Ni		
NO3	0.24	
NO2		
Se	-0.001	-0.001
U	0.016	0.015
V		
Zn		
Ra226	0.2	0.2
BALNC		

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: MW-1

TOTAL DEPTH (ft)	OMPLETIO INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
>500	162-182 122-142	4	7007.64	7004.81	84.16	6923.48

DATE	890525
TEMP	15
TDS	2542
COND	2636
CONDf	2270
pH	7.2
pHf	6.3
Na	38
K	39
Ca	509
Mg	104
SO4	1589
Cl	13
CO3	0
HCO3	232
HCO3f	390
ALK	190
Al	0.11
NH3	0.1
As	0.07
Ba	-0.1
B	-0.1
Cd	-0.01
Cr	-0.05
Cu	-0.01
F	-0.7
Fe	0.14
HARD	
Pb	-0.05
Mn	0.36
Hg	-0.001
Mo	-0.1
Ni	-0.05
NO3	0.25
NO2	0.09
Se	0.004
U	0.06
V	-0.1
Zn	0.05
Ra226	23

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: MW-2

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
565	122-162	4	6934.96	6932.68	63.32	6871.64

DATE	890518	890626
TEMP	13	17
TDS	1550	1875
COND	1788	2267
CONDf	1880	1880
pH	6.9	6.8
pHf	6.5	6.7
Na	25	19
K	13	11
Ca	374	418
Mg	62	81
SO4	919	1113
Cl	10	12
CO3	0	0
HCO3	320	300
HCO3f		
ALK	262	240
Al	0.13	-0.1
NH3	0.24	0.11
As	0.05	0.006
Ba	-0.1	-0.1
B	-0.1	-0.1
Cd	-0.01	-0.01
Cr	-0.05	-0.05
Cu	-0.01	-0.01
F	0.8	0.51
Fe	13	5.8
HARD		
Pb	-0.05	-0.05
Mn	1.9	1.6
Hg	-0.001	-0.001
Mo	-0.1	-0.1
Ni	0.12	-0.05
NO3	0.11	0.01
NO2	0.02	0.01
Se	0.01	-0.001
U	0.07	0.09
V	-0.1	-0.1
Zn	0.04	0.02
Ra226	46	22
BALNC	2.7	0.28

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: MW-3A

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
155	135-155	5	6851.23	6849.03	114.5	6736.73

DATE	890517	890626
TEMP	18	24
TDS	1248	1124
COND	1617	1507
CONDf	1450	1190
pH	7.3	7.2
pHf	6.6	7.1
Na	78	62
K	13	11
Ca	248	240
Mg	37	31
SO4	744	683
Cl	7.9	9.6
CO3	0	0
HCO3	188	201
HCO3f		
ALK	154	165
Al	-0.1	-0.1
NH3	0.15	0.08
As	0.009	0.007
Ba	-0.1	-0.1
B	-0.1	-0.1
Cd	-0.01	-0.01
Cr	-0.05	-0.05
Cu	-0.01	-0.01
F	0.9	0.92
Fe	3.2	-0.05
HARD		
Pb	-0.05	-0.05
Mn	0.75	0.48
Hg	-0.001	-0.001
Mo	-0.1	-0.1
Ni	-0.05	-0.05
NO3	0.1	0.01
NO2	0.01	0.01
Se	-0.001	-0.001
U	0.18	0.15
V	-0.1	-0.1
Zn	0.07	0.03
Ra226	13	16
BALNC	1.6	-0.92

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW5A

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
485	249-485	4	6944.83	6943.83	225.21	6719.62

DATE	811001	820101	820401	820701	821001	830101	830401
TEMP	12	5	11	10	7.5		8
TDS	945	936	1000	1196	1352		1275
COND	1450	1450	900	1000	1000	1010	1050
CONDf							
pH	6.7	8	7.1	7	6.3	6.3	6.8
pHf							
Na	37	36	42	42	44		45
K	27	28	27	30	32		34
Ca	168	185	195	220	268		225
Mg	47	47	49	45	74		58
SO4	590	570	620	793	870		845
Cl	21	8	9	12	12		13
CO3	0	0	0	0	0		0
HCO3	132	127	117	107	107		112
HCO3f							
ALK	108	104	96	88	88		92
Al	-0.05	-0.05	-0.05	-0.05	-0.05		
NH3	-0.05	0.09	0.16	0.17	0.43		1.9
As	0.01	0.02	0.02	0.02	0.02		0.01
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	0.15	-0.1	-0.1	-0.1	-0.1		
Cd	0.008	-0.005	-0.005	0.009	-0.005		
Cr	-0.01	-0.01	-0.01	-0.01	-0.01		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	1.9	1.5	1.4	1.3	1.6		
Fe	0.14	0.11	-0.05	0.33	-0.05		0.09
HARD	613	655	689	734	974		800
Pb	-0.05	-0.05	-0.05	0.07	-0.05		
Mn	0.25	0.27	0.37	0.37	0.37		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	-0.01	0.03	0.03	0.03	-0.01		
NO3	0.85	2.3	0.73	2.1	0.29		1.4
NO2	-0.01	-0.01	-0.01	-0.01	-0.01		-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.009	0.008	0.01	0.01	0.01		0.009
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.34	0.01	0.02	0.01	0.02		0.03
Ra226	3.9	8.1	4.4	4.2	4.5		
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW5A (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
485	249-485	4	6944.83	6943.83	225.21	6719.62

DATE	830701	831001	840501	841001	850401	931006
TEMP		10	9	8	3.5	
TDS		1248	1214	1090		1073
COND	1100	1260	1350	1220	440	
CONDf						
pH	6.5	6.8	7.2	7.9	6.5	6.56
pHf						
Na		47	46	49		37
K		31	33	32		20.1
Ca		240	209	207		199
Mg		63	58	22		40.1
SO4		802	800	710		605
Cl		12	12	12		7.2
CO3		0	0	0		0
HCO3		107	112	117		167
HCO3f						
ALK		88	92	96		137
Al						-0.1
NH3		0.7	1.2	0.99		
As		0.01	0.01	0.02		0.01
Ba						-0.1
B						-0.1
Cd						-0.1
Cr						-0.05
Cu						-0.1
F						2.6
Fe		0.09	-0.05	-0.05		0.86
HARD		859	761	607		
Pb						-0.05
Mn						0.03
Hg						-0.001
Mo						-0.1
Ni						-0.05
NO3		3.2	0.49	0.07		-0.1
NO2		-0.01	-0.01	0.74		-0.1
Se						-0.001
U		0.007	-0.005	0.009		0.0003
V						-0.1
Zn		0.03	0.03	-0.005		0.07
Ra226		4.4	3.3	3.9		1.2
BALNC						

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW6

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
400	300-350	8.625		6777		

DATE	811001	820101	820401	820701	821001	830101	830401
TEMP	12	20	9	10	9		10
TDS	329	305	349	310	283		303
COND	610	490	340	375	338	325	350
CONDf							
pH	6.9	8.4	6.2	7.7	6.8	7.5	7.8
pHf							
Na	38	34	34	34	35		34
K	13	13	12	13	13		14
Ca	54	54	66	57	54		58
Mg	13	15	15	12	15		10
SO4	81	52	93	63	60		52
Cl	9	12	6	8	8		7
CO3	0	10	0	0	0		0
HCO3	249	234	249	249	200		259
HCO3f							
ALK	204	208	204	204	164		212
Al	-0.05	-0.05	-0.05	-0.05	-0.05		
NH3	-0.05	0.06	0.06	-0.05	0.08		0.16
As	0.009	0.006	0.005	0.004	0.006		0.004
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	-0.1	-0.1	-0.1	-0.1	-0.1		
Cd	-0.005	-0.005	-0.005	-0.005	-0.005		
Cr	-0.01	-0.01	-0.01	-0.01	-0.01		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	0.97	0.76	0.6	0.63	0.76		
Fe	0.25	0.14	2.5	0.89	2.8		0.6
HARD	188	197	226	191	196		186
Pb	-0.05	-0.05	-0.05	-0.05	-0.05		
Mn	0.17	0.04	0.07	0.04	0.09		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	-0.01	-0.01	-0.01	-0.01	-0.01		
NO3	0.36	3	0.46	2.5	0.36		1.3
NO2	-0.01	-0.01	-0.01	-0.01	-0.01		-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.009	0.006	0.02	0.009	0.008		0.009
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.75	0.16	0.01	0.007	-0.005		0.007
Ra226	12	10	16	-0.35	11		13
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW6 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
400	300-350	8.625		6777		

DATE	830701	831001	840501	841001	850401	850701	851001
TEMP		11	11	9	7.5	11	9.1
TDS		310	295	316			292
COND	350	450	459	450	310	195	305
CONDf							
pH	7.3	8	7.7	8.2	6.8	6.5	6
pHf							
Na		34	29	32			25
K		14	14	14			10
Ca		61	60	64			66
Mg		12	12	19			10
SO4		55	52	52			55
Cl		7	6	8			8
CO3		0	0	0			0
HCO3		259	249	259			244
HCO3f							
ALK		212	204	212			200
Al							
NH3		0.1	-0.05	0.19			0.18
As		0.004	0.01	0.01			0.01
Ba							
B							
Cd							
Cr							
Cu							
F							
Fe		2.3	1	1.3			-0.05
HARD		202	199	238			206
Pb							
Mn							
Hg							
Mo							
Ni							
NO3		5	0.49	-0.05			-0.05
NO2		-0.01	-0.01	-0.01			-0.01
Se							
U		0.009	-0.005	-0.005			
V							-0.05
Zn		0.01	0.02	0.02			0.12
Ra226		1.5	3.1	3.5			2.2
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW7

TOTAL DEPTH (ft)	COMPLEITON INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
312	283-312	4	7066.2	7063.1	280.34	6785.86

DATE	820101	820401	830701	831001	840501	841001	850401
TEMP	5	12		9	9	8	8.9
TDS	565	606	321	453	506	480	
COND	810	670	353	640	699	630	480
CONDf							
pH	8.4	7.5	7.4	7.6	7.6	8.2	6.8
pHf							
Na	30	44	23	26	30	31	
K	22	21	18	22	24	22	
Ca	110	116	70	98	102	99	
Mg	25	21	12	19	20	21	
SO4	262	310	77	164	209	170	
Cl	10	12	10	16	10	15	
CO3	10	0	0	0	0	0	
HCO3	195	166	224	220	207	244	
HCO3f							
ALK	176	136	184	180	170	200	
Al	-0.05	-0.05					
NH3	0.06	-0.05	0.14	-0.05	-0.05	0.08	
As	0.009	0.009	0.02	0.02	0.01	0.02	
Ba	-0.02	-0.02					
B	-0.1	-0.1					
Cd	-0.005	-0.005					
Cr	-0.01	-0.01					
Cu	-0.01	0.03					
F	0.7	0.83					
Fe	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	
HARD	378	376	224	323	337	334	
Pb	-0.05	-0.05					
Mn	-0.01	0.04					
Hg	-0.001	-0.001					
Mo	-0.05	-0.05					
Ni	-0.01	0.02					
NO3	2.4	0.42	3.8	8.2	2.1	1.4	
NO2	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	
Se	-0.002	-0.002					
U	0.06	0.04	0.06	0.07	0.1	0.13	
V	-0.05	-0.05					
Zn	-0.005	0.02	0.09	0.05	0.03	0.04	
Ra226	2.1	4.4		2.8	1.7	1.3	
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW7 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
312	283-312	4	7066.2	7063.1	280.34	6785.86

DATE	850701	851001	931011
TEMP	16	9.2	
TDS		594	2248
COND	398	455	
CONDf			
pH	7.2	6.4	7.14
pHf			
Na		32	28
K		17	27.7
Ca		114	420
Mg		21	80.2
SO4		282	
Cl		19	
CO3		0	0
HCO3		330	260
HCO3f			
ALK		165	213
Al			0.81
NH3		0.13	
As		0.02	0.003
Ba			-0.1
B			-0.1
Cd			-0.1
Cr			-0.05
Cu			-0.1
F			0.7
Fe		0.07	-0.05
HARD		371	
Pb			0.34
Mn			0.42
Hg			-0.001
Mo			-0.1
Ni			-0.05
NO3		-0.05	0.16
NO2		-0.01	-0.1
Se			0.006
U			0.05
V		-0.05	-0.1
Zn		0.3	-0.01
Ra226		1.8	4.9
BALNC			

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW9

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
318	145-318	4	6829.98	6829.98	122.42	6707.56

DATE	811001	820101	820401	820701	821001	830101	830401
TEMP	8	8	9	17	7		8
TDS	421	488	424	444	487		450
COND	800	685	439	580	425	380	425
CONDf							
pH	7.1	8.2	7.3	7.2	7.1	6.8	7.2
pHf							
Na	26	26	27	25	26		25
K	21	23	19	20	21		31
Ca	79	98	85	91	108		88
Mg	21	21	19	18	22		19
SO4	152	200	150	165	184		158
Cl	10	6	6	7	7		7
CO3	0	0	0	0	0		0
HCO3	229	232	239	239	239		244
HCO3f							
ALK	188	190	196	196	196		200
Al	-0.05	-0.05	-0.05	0.24	-0.05		
NH3	-0.05	0.06	-0.05	0.06	-0.05		0.09
As	0.07	0.05	0.05	0.06	0.07		0.08
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	-0.1	-0.1	-0.1	-0.1	-0.1		
Cd	-0.005	-0.005	-0.005	-0.005	-0.005		
Cr	-0.01	-0.01	-0.01	-0.01	-0.01		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	1.5	1.5	1.3	1.1	1.4		
Fe	-0.05	-0.05	-0.05	1.1	-0.05		-0.05
HARD	284	331	290	301	360		298
Pb	-0.05	-0.05	-0.05	-0.05	-0.05		
Mn	0.03	0.05	0.02	0.13	0.1		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	-0.01	-0.01	-0.01	-0.01	-0.01		
NO3	3	2.5	0.41	1.6	0.17		0.64
NO2	0.04	-0.01	-0.01	-0.01	-0.01		-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.03	0.03	0.03	0.03	0.02		0.02
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.06	0.03	0.1	0.09	0.03		0.29
Ra226	2.6	4.7	3.7	5.4	4.6		8.8
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW9 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
318	145-318	4	6829.98	6829.98	122.42	6707.56

DATE	830701	831001	840501	841001	850401	850701	851001
TEMP		9	10	10	9.1	17	9.8
TDS		416	416	427			379
COND	440	580	599	600	391	262	360
CONDf							
pH	7.2	7.5	7.8	8.2	7.3	6.7	6.4
pHf							
Na		25	27	27			25
K		20	20	20			15
Ca		90	88	87			75
Mg		17	16	18			15
SO4		142	137	142			106
Cl		7	8	6			11
CO3		0	0	0			0
HCO3		234	244	254			256
HCO3f							
ALK		192	200	207			210
Al							
NH3		0.06	-0.05	0.15			0.14
As		0.08	0.06	0.08			0.07
Ba							
B							
Cd							
Cr							
Cu							
F							
Fe		-0.05	-0.05	-0.05			-0.05
HARD		295	286	291			249
Pb							
Mn							
Hg							
Mo							
Ni							
NO3		4.2	0.52	-0.05			0.43
NO2		-0.01	-0.01	-0.01			-0.01
Se							
U		0.02	0.02	0.02			
V							-0.05
Zn		0.36	0.07	0.07			0.03
Ra226		4.8	6.4	4.9			0.5
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW9 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
318	145-318	4	6829.98	6829.98	122.42	6707.56

DATE	931006
TEMP	
TDS	416
COND	
CONDf	
pH	7.25
pHf	
Na	22
K	15
Ca	85
Mg	13.1
SO4	116
Cl	2.8
CO3	0
HCO3	262
HCO3f	
ALK	215
Al	-0.1
NH3	
As	0.056
Ba	-0.1
B	-0.1
Cd	-0.1
Cr	-0.05
Cu	-0.1
F	1.6
Fe	-0.05
HARD	
Pb	-0.05
Mn	0.08
Hg	-0.001
Mo	-0.1
Ni	-0.05
NO3	0.1
NO2	-0.1
Se	0.001
U	0.055
V	-0.1
Zn	-0.01
Ra226	4
BALNC	

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW10

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
331	163-331	4	6813.58	6812.32	141.78	6671.8

DATE	811001	820101	820401	820701	821001	830101	830401
TEMP	10	7	9	10	10		10
TDS	2269	2280	2250	1638	2719		2366
COND	3710	2410	1170	2380	2130	1670	1800
CONDf							
pH	6.8	8	7	6.9	6.7	6.8	6.8
pHf							
Na	33	32	35	28	36		34
K	22	20	20	17	22		20
Ca	539	561	540	330	669		550
Mg	82	70	63	75	93		76
SO4	1430	1450	1450	1050	1760		1530
Cl	12	9	8	11	12		6
CO3	0	0	0	0	0		0
HCO3	307	283	273	259	259		303
HCO3f							
ALK	252	232	224	212	212		248
Al	-0.05	-0.05	-0.05	0.09	-0.05		
NH3	0.14	0.09	0.14	0.17	0.14		0.15
As	0.01	-0.002	0.02	0.03	0.04		0.03
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	-0.1	-0.1	-0.1	-0.1	0.2		
Cd	0.02	0.01	0.007	0.009	0.009		
Cr	0.03	0.02	0.02	0.03	0.02		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	1.1	0.95	0.85	0.89	1		
Fe	10	0.27	19	16	20		17
HARD	1683	1689	1608	1133	2053		1686
Pb	0.12	0.13	0.1	0.1	0.1		
Mn	0.79	0.56	0.74	0.66	0.66		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	0.14	0.14	0.13	0.14	-0.01		
NO3	0.58	2	0.45	1.7	0.24		0.57
NO2	-0.01	-0.01	-0.01	-0.01	-0.01		-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.04	0.02	0.02	0.02	0.02		0.02
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.02	0.01	0.02	0.12	0.09		0.43
Ra226	5.6	8	12		7.4		10
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW10 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
331	163-331	4	6813.58	6812.32	141.78	6671.8

DATE	830701	831001	840501	841001	850401	850701	851001
TEMP		10	13	11	10	16	11
TDS		2368	2400	2462			2384
COND	1060	2360	2310	2500	1630	1190	1140
CONDf							
pH	6.8	6.9	7	8.1	6.6	7	6.5
pHf							
Na		35	37	40			38
K		20	22	22			19
Ca		557	583	580			563
Mg		86	69	50			79
SO4		1520	1535	1610			1510
Cl		8	10	10			13
CO3		0	0	0			0
HCO3		288	293	303			317
HCO3f							
ALK		236	240	249			260
Al							
NH3		0.14	0.12	0.23			0.15
As		0.03	0.01	0.03			0.02
Ba							
B							
Cd							
Cr							
Cu							
F							
Fe		20	20	17			8.3
HARD		1745	1740	1654			1729
Pb							
Mn							
Hg							
Mo							
Ni							
NO3		4.3	0.51	0.19			-0.05
NO2		-0.01	-0.01	-0.01			-0.01
Se							
U		0.02	0.02	0.06			
V							-0.05
Zn		0.96	0.68	0.49			0.62
Ra226		1	8.8	7.7			6.2
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW10 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
331	163-331	4	6813.58	6812.32	141.78	6671.8

DATE	931007
TEMP	
TDS	2464
COND	
CONDf	
pH	6.48
pHf	
Na	28
K	13.9
Ca	593
Mg	68.5
SO4	1416
Cl	4.4
CO3	0
HCO3	301
HCO3f	
ALK	247
Al	-0.1
NH3	
As	-0.001
Ba	-0.1
B	-0.1
Cd	-0.1
Cr	-0.05
Cu	-0.1
F	1.3
Fe	16.1
HARD	
Pb	-0.05
Mn	1.05
Hg	-0.001
Mo	-0.1
Ni	0.17
NO3	-0.1
NO2	-0.1
Se	-0.001
U	0.032
V	-0.1
Zn	-0.01
Ra226	102
BALNC	

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW11 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
331		4	6902.99	6902.99	30.98	6872.01

DATE	840501	841001	850101
TEMP			
TDS			
COND			
CONDf			
pH			
pHf			
Na			
K			
Ca			
Mg			
SO4			
Cl			
CO3			
HCO3			
HCO3f			
ALK	115	71	70
Al			
NH3	0.13	1	0.65
As	0.005	-0.002	-0.002
Ba			
B			
Cd			
Cr			
Cu			
F			
Fe	0.47	0.11	0.13
HARD	400	213	199
Pb			
Mn			
Hg			
Mo			
Ni			
NO3	0.45	0.81	1.3
NO2	-0.01	-0.01	-0.01
Se			
U	0.06	0.05	
V			-0.05
Zn	0.01	0.02	0.07
Ra226	2.5	2.6	10
BALNC			

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: GW11

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
331		4	6902.99	6902.99	30.98	6872.01

DATE	811001	820101	820401	820701	821001	830401	831001
TEMP	8	5	9	18			
TDS	532	501	502	529			
COND	920	720	482	590			
CONDf							
pH	6.8	8	7.7	7.2			
pHf							
Na	82	80	89	87			
K	16	14	13	14			
Ca	58	60	60	61			
Mg	11	10	10	9			
SO4	308	281	276	300			
Cl	11	8	8	10			
CO3	0	0	0	0			
HCO3	93	98	93	98			
HCO3f							
ALK	76	80	76	80	64	80	80
Al	-0.05	-0.05	-0.05	-0.05	-0.05		
NH3	0.82	0.42	1.1	1.2	1.6	1.9	0.83
As	0.006	0.005	0.004	0.003	0.005	0.003	0.004
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	-0.1	-0.1	-0.1	-0.1	-0.1		
Cd	-0.005	-0.005	-0.005	-0.005	-0.005		
Cr	-0.01	-0.01	-0.01	-0.01	-0.01		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	0.7	0.5	0.44	0.37	1.7		
Fe	0.44	0.08	0.3	-0.05	0.24	0.52	0.52
HARD	190	191	191	189	221	175	246
Pb	-0.05	-0.05	-0.05	-0.05	-0.05		
Mn	0.04	-0.01	0.02	-0.01	0.03		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	-0.01	-0.01	-0.01	-0.01	0.12		
NO3	0.34	1.1	0.38	1	0.23	0.47	2.5
NO2	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.02	0.02	0.01	0.03	0.02	0.02	0.01
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.03	0.02	0.02	0.04	0.82	0.03	0.007
Ra226	3	1.9	3.2	2.9	3.6	2.4	3.3
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: TVA-MW1

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
>500		4	7008	7005	83.29	6925

DATE	811001	820101	820401	820701	821001	830101	830401
TEMP	8	6	8	13	8		8
TDS	323	312	312	321	344		317
COND	620	520	332	384	340	334	345
CONDf							
pH	7.2	8.5	7.5	7.6	7	6.9	7.5
pHf							
Na	39	36	40	40	42		39
K	18	18	16	17	17		19
Ca	57	60	56	61	69		57
Mg	11	7	10	8	15		9
SO4	66	60	58	64	66		58
Cl	10	7	7	9	9		8
CO3	0	10	0	0	10		0
HCO3	249	232	254	249	234		259
HCO3f							
ALK	204	206	208	204	216		212
Al	-0.05	-0.05	-0.05	-0.05	-0.05		
NH3	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
As	0.01	0.02	0.02	0.02	0.02		0.02
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	-0.1	-0.1	-0.1	0.2	-0.1		
Cd	-0.005	-0.005	-0.005	-0.005	-0.005		
Cr	-0.01	-0.01	-0.01	-0.01	-0.01		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	0.69	0.56	0.51	0.36	1		
Fe	0.07	-0.05	-0.05	-0.05	-0.05		-0.05
HARD	188	179	181	185	234		179
Pb	-0.05	-0.05	-0.05	-0.05	-0.05		
Mn	0.23	0.15	-0.01	-0.01	-0.01		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	-0.01	-0.01	-0.01	-0.01	-0.01		
NO3	1.6	1.1	0.45	1.6	0.37		0.63
NO2	-0.01	-0.01	0.02	-0.01	0.05		-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.008	0.008	-0.005	-0.005	-0.005		-0.005
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.03	0.01	0.02	0.03	-0.005		0.02
Ra226	2	3.2	1.2	1.6	0.89		2.4
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: TVA-MW1 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
>500		4	7008	7005	83.29	6925

DATE	830701	831001	840501	841001	850401	850701	851001
TEMP		8	10	10	7.9	15	8.2
TDS		314	315	310			311
COND	350	460	475	450	300	252	302
CONDf							
pH	6.9	7.8	8.1	8.3	7.3	7.1	7.6
pHf							
Na		42	43	45			50
K		18	18	16			13
Ca		58	57	56			55
Mg		8	7	7			8
SO4		54	58	52			53
Cl		7	9	8			12
CO3		0	0	6			0
HCO3		259	250	244			256
HCO3f							
ALK		212	205	210			210
Al							
NH3		-0.05	-0.05	0.07			-0.05
As		0.02	0.009	0.02			0.02
Ba							
B							
Cd							
Cr							
Cu							
F							
Fe		-0.05	-0.05	-0.05			-0.05
HARD		178	171	169			170
Pb							
Mn							
Hg							
Mo							
Ni							
NO3		4.7	0.62	-0.05			-0.05
NO2		-0.01	-0.01	-0.01			-0.01
Se							
U		-0.005	0.007	-0.005			
V							0.01
Zn		0.05	0.04	0.04			0.01
Ra226		2.6	1.2	2.2			1.8
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: TVA-MW2

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
>500		4	6935	6933	~66.00	6869.00*

DATE	811001	820101	820401	820701	821001	830101	830401
TEMP	8	6	7	12	7		7.5
TDS	323	318	319	297	357		331
COND	590	460	320	380	334	335	348
CONDf							
pH	7.2	8.4	7.7	8	6.2		7.5
pHf							
Na	33	30	35	35	36		35
K	19	20	18	19	19		21
Ca	61	63	62	52	73		63
Mg	9	6	8	8	13		7
SO4	83	80	81	80	97		80
Cl	11	9	7	10	11		10
CO3	0	10	0	0	5	6.5	0
HCO3	220	203	220	190	210		234
HCO3f							
ALK	180	182	180	156	184		192
Al	-0.05	-0.05	-0.05	-0.05	-0.05		
NH3	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
As	0.03	0.03	0.02	0.03	0.04		0.03
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	-0.1	-0.1	-0.1	-0.1	-0.1		
Cd	-0.005	-0.005	-0.005	-0.005	-0.005		
Cr	-0.01	-0.01	-0.01	-0.01	-0.01		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	0.45	0.32	0.27	0.22	0.58		
Fe	0.08	-0.05	-0.05	0.53	-0.05		-0.05
HARD	189	182	188	163	236		186
Pb	-0.05	-0.05	-0.05	-0.05	-0.05		
Mn	0.03	-0.01	0.03	-0.01	-0.01		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	-0.01	-0.01	-0.01	-0.01	-0.01		
NO3	0.6	0.84	0.37	1.3	0.44		1.1
NO2	-0.02	-0.01	-0.01	-0.01	0.02		-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.03	-0.03	0.03	0.04	0.03		0.04
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.03	0.01	0.02	0.05	0.02		0.02
Ra226	0.4	1	0.81	0.83	0.47		
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: TVA-MW2 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
>500		4	6935	6933	~66.00	6869.00*

DATE	830701	831001	840501	841001	850401	850701	851001
TEMP		9	8	8	8.9	18	8.2
TDS		334	328	319			360
COND	365	470	480	440	309	281	310
CONDf							
pH	7.1	7.9	8.1	8.2	7	7	7.2
pHf							
Na		35	35	36			35
K		20	20	19			19
Ca		66	63	60			66
Mg		8	9	5			8
SO4		84	85	82			92
Cl		8	9	8			13
CO3		0	0	0			0
HCO3		229	220	220			244
HCO3f							
ALK		188	180	180			200
Al							
NH3		-0.05	-0.05	-0.05			-0.05
As		0.02	0.03	0.03			0.02
Ba							
B							
Cd							
Cr							
Cu							
F							
Fe		-0.05	-0.05	-0.05			-0.05
HARD		198	192	170			198
Pb							
Mn							
Hg							
Mo							
Ni							
NO3		4.5	0.8	-0.05			-0.35
NO2		-0.01	-0.01	-0.01			-0.01
Se							
U		0.03	0.03	0.05			
V							0.01
Zn		0.04	0.03	0.05			0.01
Ra226		3.9	1.2	1.1			0.4
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: TVA-MW3

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
>500		4	6824.97	6823.1	78.92	6746.05

DATE	811001	820101	820401	820701	821001	830101	830401
TEMP	8	6	7	11	6.5		8.5
TDS	238	232	235	238	272		242
COND	440	390	239	225	249	250	253
CONDf							
pH	7.4	8.3	7.2	7.7	7.7	7.7	7.8
pHf							
Na	62	56	65	65	67		65
K	11	11	10	11	9		12
Ca	19	21	19	20	22		19
Mg	4	3	4	3	5		2
SO4	44	42	40	43	45		41
Cl	10	8	6	8	33		8
CO3	0	5	0	0	0		0
HCO3	181	176	185	181	185		190
HCO3f							
ALK	148	152	152	148	152		156
Al	-0.05	-0.05	-0.05	0.09	-0.05		
NH3	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
As	0.01	0.02	0.02	0.02	0.02		0.01
Ba	-0.02	-0.02	-0.02	-0.02	-0.02		
B	-0.1	-0.1	-0.1	-0.1	-0.1		
Cd	-0.005	-0.005	-0.005	-0.005	-0.005		
Cr	-0.01	-0.01	-0.01	-0.01	-0.01		
Cu	-0.01	-0.01	-0.01	-0.01	-0.01		
F	0.47	0.37	0.37	0.26	0.5		
Fe	-0.05	-0.05	-0.05	0.24	-0.05		-0.05
HARD	64	64	64	62	76		56
Pb	-0.05	-0.05	-0.05	-0.05	-0.05		
Mn	0.11	0.04	0.06	0.04	-0.01		
Hg	-0.001	-0.001	-0.001	-0.001	-0.001		
Mo	-0.05	-0.05	-0.05	-0.05	-0.05		
Ni	-0.01	-0.01	-0.01	-0.01	-0.01		
NO3	0.55	0.77	0.37	1.2	0.84		1.5
NO2	-0.01	-0.01	-0.01	-0.01	-0.01		-0.01
Se	-0.002	-0.002	-0.002	-0.002	-0.002		
U	0.008	0.009	-0.005	-0.005	-0.005		-0.005
V	-0.05	-0.05	-0.05	-0.05	-0.05		
Zn	0.02	0.01	0.02	0.04	0.01		0.02
Ra226	0.59	0.58	0.58	0.92	1.9		
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

WELL NO.: TVA-MW3 (cont'd)

TOTAL DEPTH (ft)	COMPLETION INTERVAL (ft+lsd)	CASING INSIDE DIAMETER (in)	M.P. ELEV (ft)	GROUND ELEV. (ft)	STATIC WATER LEVEL (ft-mp)	STATIC W.L. ELEV (ft-msl)
>500		4	6824.97	6823.1	78.92	6746.05

DATE	830701	831001	840501	841001	850401	850701	851001
TEMP		7	8.5	8	8.9	10	8.5
TDS		242	241	256			246
COND	270	438	362	356	244	192	204
CONDf							
pH	7.2	7.9	8.1	8.1	7	7	6.4
pHf							
Na		66	65	69			61
K		11	12	11			7
Ca		20	21	18			24
Mg		7	3	11			3
SO4		41	40	41			44
Cl		7	9	9			9
CO3		0	0	0			0
HCO3		185	183	195			195
HCO3f							
ALK		153	150	160			160
Al							
NH3		-0.05	-0.05	-0.05			-0.05
As		0.01	0.01	0.02			0.01
Ba							
B							
Cd							
Cr							
Cu							
F							
Fe		-0.05	-0.05	-0.05			0.04
HARD		79	65	90			73
Pb							
Mn							
Hg							
Mo							
Ni							
NO3		3.9	0.48	-0.05			-0.005
NO2		-0.01	-0.01	-0.01			-0.01
Se							
U		-0.005	-0.005	-0.005			
V							-0.05
Zn		0.02	0.02	-0.005			-0.005
Ra226		1.3	7	9.3			0.4
BALNC							

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

SAMPLE NO.: BUSS-1

DATE	931007
TEMP	
TDS	2820
COND	
Na	41
K	34.4
Ca	555
Mg	115
SO4	1964
Cl	14.4
CO3	0
HCO3	22.2
pH	5.84
ALK	18.2
Al	-0.1
NH3	
As	-0.001
Ba	-0.1
B	-0.1
Cd	-0.1
Cr	-0.05
Cu	-0.01
F	1.5
Fe	0.07
HARD	
Pb	-0.05
Mn	2.46
Hg	-0.001
Mo	-0.1
Ni	0.2
NO3	0.1
NO2	-0.1
Se	-0.001
U	0.253
V	-0.1
Zn	0.03
Ra226	1.9
TSS	
BALNC	

ADDENDUM D6-7-2
HISTORIC GROUND WATER QUALITY DATA

SAMPLE NO.: BUSS 2

DATE	931007
TEMP	
TDS	2695
COND	
Na	40
K	32.6
Ca	565
Mg	115
SO4	1882
Cl	8.4
CO3	0
HCO3	22.3
pH	5.9
ALK	18.3
Al	-0.1
NH3	
As	-0.001
Ba	-0.1
B	-0.1
Cd	-0.1
Cr	-0.05
Cu	-0.01
F	1.5
Fe	-0.05
HARD	
Pb	-0.05
Mn	2.45
Hg	-0.001
Mo	-0.1
Ni	0.18
NO3	-0.1
NO2	-0.1
Se	-0.001
U	0.281
V	-0.1
Zn	0.03
Ra226	1.8
TSS	
BALNC	

ADDENDUM D6-8

WATER RIGHTS

SURFACE WATER RIGHTS

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
DITCHES					
P30863D	CARR CONSTRUCTION CO.	21	33	89	TEM, IND
RESERVOIRS					
P8123R	UMETCO MINERALS	15	33	89	IND
P10444R	UMETCO	15	33	89	IND
P9573R	USDI/BLM	22	33	89	WIL, STO
P7938R	SILVER KING MINES	27	33	89	TEM, FLO
P7940R	ALTA GOLD CO.	28	33	89	TEM, FLO
P9722R	PATHFINDER MINES	36	33	90	WIL, STO

GROUND-WATER RIGHTS

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
P85347W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85350W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85346W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85345W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85348W	POWER RESOURCES INC.	2	32	90	MIS, MON
P45241W	AMERICAN NUCLEAR CORP	2	32	90	MON, MIS
P85349W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85351W	POWER RESOURCES INC.	2	32	90	MIS, MON
P38619W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38620W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38621W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38622W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38623W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38624W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38625W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38626W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38627W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P103590W	POWER RESOURCES INC.	3	32	90	MIS, MON
P103589W	POWER RESOURCES INC.	3	32	90	MIS, MON
P104391W	POWER RESOURCES INC.	3	32	90	MIS, MON
P45238W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P45239W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P103585W	POWER RESOURCES INC.	3	32	90	MIS, MON
P45348W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P106691W	POWER RESOURCES INC.	3	32	90	MIS, MON
P45237W	AMERICAN NUCLEAR CORP	11	32	90	MON, MIS
P44457W	MATADOR CATTLE CO	11	32	90	STO
P80484W	LIDSTONE & ANDERSON	14	33	89	MON, MIS
P80485W	LIDSTONE & ANDERSON	14	33	89	MON, MIS
P80487W	LIDSTONE & ANDERSON	14	33	89	MON, MIS
P1054730W	UMETCO	15	33	89	MIS, IND
P89541W	UMETCO	15	33	89	MIS
P84652W	UMETCO	15	33	89	MON, MIS
P56W	GLOBE MINING CO	15	33	89	IND, DOM
P84651W	UMETCO	15	33	89	MON, MIS
P80486W	LIDSTONE & ANDERSON	15	33	89	MON, MIS
P66157W	UNION CARBIDE	15	33	89	RES, MIS
P67075W	UNION CARBIDE	15	33	89	RES, IND, MIS
P67076W	UNION CARBIDE	15	33	89	RES,IND, MIS

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
P67077W	UNION CARBIDE	15	33	89	RES, IND, MIS
P67078W	UNION CARBIDE	15	33	89	RES, IND, MIS
P67149W	UMETCO	15	33	89	MON, MIS
P67150W	UMETCO	15	33	89	MON, MIS
P67151W	UMETCO	15	33	89	MON, MIS
P67152W	UMETCO	15	33	89	MON, MIS
P67157W	UMETCO	15	33	89	MON, MIS
P67160W	UMETCO	15	33	89	MON, MIS
P67161W	UMETCO	15	33	89	MON, MIS
P67162W	UMETCO	15	33	89	MON, MIS
P84650W	UMETCO	15	33	89	MON, MIS
P67164W	UMETCO	15	33	89	MON, MIS
P84648W	UMETCO	15	33	89	MON, MIS
P67166W	UMETCO	15	33	89	MON, MIS
P84751W	UMETCO	15	33	89	MIS
P67168W	UMETCO	15	33	89	MON, MIS
P67169W	UMETCO	15	33	89	MON, MIS
P67170W	UMETCO	15	33	89	MON, MIS
P84752W	UMETCO	15	33	89	MIS
P84753W	UMETCO	15	33	89	MIS
P82563W	UMETCO	15	33	89	MIS
P67174W	UMETCO	15	33	89	MON, MIS
P80434W	UMETCO	15	33	89	MON, MIS
P82562W	UMETCO	15	33	89	MIS
P81658W	DEQ	15	33	89	MIS
P67178W	UMETCO	15	33	89	MON, MIS
P67179W	UMETCO	15	33	89	MON, MIS
P81601W	UMETCO	15	33	89	MIS
P84754W	UMETCO	15	33	89	MIS
P80433W	UMETCO	15	33	89	MON, MIS
P67183W	UMETCO	15	33	89	MON, MIS
P80432W	UMETCO	15	33	89	MON, MIS
P67185W	UMETCO	15	33	89	MON, MIS
P67186W	UMETCO	15	33	89	MON, MIS
P68153W	UMETCO	15	33	89	RES, MIS
P84755W	UMETCO	15	33	89	MIS
P75424W	UMETCO	15	33	89	RES, MIS
P76332W	UMETCO	15	33	89	MON, MIS
P67184W	UMETCO	16	33	89	MON, MIS
P105495W	UMETCO	16	33	89	MIS, MON
P67175W	UMETCO	16	33	89	MON, MIS
P105494W	UMETCO	16	33	89	MIS, MON

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
P106690W	POWER RESOURCES INC.	21	33	89	MIS, MON
P45371W	ALTA GOLD CO	21	33	89	MON, MIS
P80984W	ROTH TRUCKING	21	33	89	MIS
P80488W	LIDSTONE & ANDERSON	22	33	89	MON, MIS
P80489W	LIDSTONE & ANDERSON	22	33	89	MON, MIS
P67181W	UMETCO	22	33	89	MON, MIS
P67182W	UMETCO	22	33	89	MON, MIS
P67180W	UMETCO	22	33	89	MON, MIS
P67177W	UMETCO	22	33	89	MON, MIS
P67176W	UMETCO	22	33	89	MON, MIS
P67173W	UMETCO	22	33	89	MON, MIS
P67172W	UMETCO	22	33	89	MON, MIS
P67171W	UMETCO	22	33	89	MON, MIS
P67167W	UMETCO	22	33	89	MON, MIS
P67165W	UMETCO	22	33	89	MON, MIS
P67163W	UMETCO	22	33	89	MON, MIS
P104718W	UMETCO	22	33	89	MIS, IND
P105498W	UMETCO	22	33	89	MIS, MON
P87833W	UMETCO	22	33	89	MIS
P105283W	UMETCO	22	33	89	MIS
P105496W	UMETCO	22	33	89	MIS, MON
P105497W	UMETCO	22	33	89	MIS, MON
P80490W	LIDSTONE & ANDERSON	23	33	89	MON, MIS
P84836W	ALTA GOLD CO.	27	33	89	MIS, DEW
P60147W	FEDERAL AMERICAN PART	27	33	89	MIS
P60146W	FEDERAL AMERICAN PART	27	33	89	RES, MIS
P71766W	CLEAR CREEK CATTLE CO	27	33	89	STO
P45368W	ALTA GOLD CO	27	33	89	MON, MIS
P45369W	SILVER KING MINES	27	33	89	MON, MIS
P103586W	POWER RESOURCES INC.	28	33	89	MIS, MON
P45370W	SILVER KING MINES	28	33	89	MON, MIS
P103591W	POWER RESOURCES INC.	28	33	89	MIS, MON
P44612W	ALTA GOLD CO	28	33	89	MIS
P46775W	SILVER KING MINES	31	33	89	MON, MIS
P46774W	SILVER KING MINES	31	33	89	MON, MIS
P46776W	SILVER KING MINES	31	33	89	MON, MIS
P82823W	POWER RESOURCES INC.	31	33	89	MIS, MON
P82824W	POWER RESOURCES INC.	31	33	89	MIS, MON
P46773W	SILVER KING MINES	31	33	89	MON, MIS
P82825W	POWER RESOURCES INC.	31	33	89	MIS, MON
P103588W	POWER RESOURCES INC.	31	33	89	MIS, MON
P103587W	POWER RESOURCES INC.	31	33	89	MIS, MON

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
P107839W	POWER RESOURCES INC.	31	33	89	MIS, MON
P31499W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31498W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P103584W	POWER RESOURCES INC.	32	33	89	MIS, MON
P31500W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31497W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31496W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31501W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31504W	FEDERAL AMERICAN PART	33	33	89	MIS
P23625W	FEDERAL AMERICAN PART	32	33	90	IND
P87214W	PATHFINDER MINES	35	33	90	MIS
P46522W	PATHFINDER MINES	36	33	90	DEW, RES, MIS

ADDENDUM D6-8

WATER RIGHTS

SURFACE WATER RIGHTS

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
DITCHES					
P30863D	CARR CONSTRUCTION CO.	21	33	89	TEM, IND
RESERVOIRS					
P10077SR	USDI/BLM	14	33	89	WIL
P8123R	UMETCO MINERALS	15	33	89	IND
P10444R	UMETCO	15	33	89	IND
P8422R	PATHFINDER MINES	16	33	89	MISC (IND)
P9573R	USDI/BLM	22	33	89	WIL, STO
P10039R	PRI	27	33	89	STO
P10040R	PRI	27	33	89	STO
P10041R	PRI/BLM	27	33	89	STO
P7938R	SILVER KING MINES	27	33	89	TEM, FLO
P7940R	ALTA GOLD CO.	28	33	89	TEM, FLO
P9722R	PATHFINDER MINES	36	33	90	WIL, STO

GROUND-WATER RIGHTS

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
P85347W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85350W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85346W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85345W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85348W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85349W	POWER RESOURCES INC.	2	32	90	MIS, MON
P85351W	POWER RESOURCES INC.	2	32	90	MIS, MON
P38619W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38620W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38621W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38622W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38623W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38624W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38625W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P38627W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P103590W	POWER RESOURCES INC.	3	32	90	MIS, MON
P103589W	POWER RESOURCES INC.	3	32	90	MIS, MON
P104391W	POWER RESOURCES INC.	3	32	90	MIS, MON
P45241W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P45238W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P45239W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P103585W	POWER RESOURCES INC.	3	32	90	MIS, MON
P45348W	AMERICAN NUCLEAR CORP	3	32	90	MON, MIS
P45240W	AMERICAN NUCLEAR CORP	10	32	90	MON, MIS
P106602W	POWER RESOURCES INC	10	32	90	MON, MIS
P106601W	POWER RESOURCES INC	10	32	90	MON, MIS
P45242W	AMERICAN NUCLEAR CORP	10	32	90	MON, MIS
P38626W	AMERICAN NUCLEAR CORP	10	32	90	MON, MIS
P45237W	AMERICAN NUCLEAR CORP	11	32	90	MON, MIS
P44457W	MATADOR CATTLE CO	11	32	90	STO
P106691W	POWER RESOURCES INC.	11	32	90	MIS, MON
P106601W	GEOMEX MINERALS, INC.	12	32	90	MIS, MON
P106602W	GEOMEX MINERALS, INC.	12	32	90	MIS, MON
P106603W	GEOMEX MINERALS, INC.	12	32	90	MIS, MON
P104183W	UMETCO	14	33	89	MIS, MON
P80485W	LIDSTONE & ANDERSON	14	33	89	MON, MIS
P80487W	LIDSTONE & ANDERSON	14	33	89	MON, MIS
P89541W	UMETCO	15	33	89	MIS
P80486W	LIDSTONE & ANDERSON	15	33	89	MON, MIS
P66157W	UNION CARBIDE	15	33	89	RES, MIS
P67075W	UNION CARBIDE	15	33	89	RES,IND, MIS

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
P67076W	UNION CARBIDE	15	33	89	RES,IND, MIS
P67149W	UMETCO	15	33	89	MON, MIS
P67150W	UMETCO	15	33	89	MON, MIS
P67160W	UMETCO	15	33	89	MON, MIS
P67161W	UMETCO	15	33	89	MON, MIS
P67162W	UMETCO	15	33	89	MON, MIS
P67164W	UMETCO	15	33	89	MON, MIS
P67166W	UMETCO	15	33	89	MON, MIS
P67168W	UMETCO	15	33	89	MON, MIS
P67169W	UMETCO	15	33	89	MON, MIS
P67170W	UMETCO	15	33	89	MON, MIS
P67174W	UMETCO	15	33	89	MON, MIS
P80434W	UMETCO	15	33	89	MON, MIS
P67183W	UMETCO	15	33	89	MON, MIS
P75424W	UMETCO	15	33	89	RES, MIS
P91081W	UMETCO	15	33	89	MIS, MON
P89541W	UMETCO	15	33	89	MIS
P91282W	UMETCO	15	33	89	MIS
P91283W	UMETCO	15	33	89	MIS
P91284W	UMETCO	15	33	89	MIS
P108001W	UMETCO	15	33	89	MIS, MON
P108002W	UMETCO	15	33	89	MIS, MON
P108003W	UMETCO	15	33	89	MIS, MON
P67184W	UMETCO	16	33	89	MON, MIS
P67175W	UMETCO	16	33	89	MON, MIS
P106690W	POWER RESOURCES INC.	21	33	89	MIS, MON
P45371W	POWER RESOURCES INC.	21	33	89	MON, MIS
P80488W	LIDSTONE & ANDERSON	22	33	89	MON, MIS
P80489W	LIDSTONE & ANDERSON	22	33	89	MON, MIS
P67181W	UMETCO	22	33	89	MON, MIS
P67182W	UMETCO	22	33	89	MON, MIS
P67180W	UMETCO	22	33	89	MON, MIS
P67177W	UMETCO	22	33	89	MON, MIS
P67176W	UMETCO	22	33	89	MON, MIS
P67173W	UMETCO	22	33	89	MON, MIS
P67172W	UMETCO	22	33	89	MON, MIS
P67171W	UMETCO	22	33	89	MON, MIS
P67167W	UMETCO	22	33	89	MON, MIS
P67165W	UMETCO	22	33	89	MON, MIS
P67163W	UMETCO	22	33	89	MON, MIS
P104718W	UMETCO	22	33	89	MIS, IND
P105498W	UMETCO	22	33	89	MIS, MON
P105283W	UMETCO	22	33	89	MIS

PERMIT NUMBER	APPLICANT	SEC.	T	R	USES
P105496W	UMETCO	22	33	89	MIS, MON
P105497W	UMETCO	22	33	89	MIS, MON
P93567W	LIDSTONE & ANDERSON	22	33	89	MIS, MON
P106684W	POWER RESOURCES, INC.	22	33	89	MIS, MON
P106685W	POWER RESOURCES, INC.	22	33	89	MIS, MON
P106686W	POWER RESOURCES, INC.	22	33	89	MIS, MON
P80490W	LIDSTONE & ANDERSON	23	33	89	MON, MIS
P95290W	POWER RESOURCES INC.	27	33	89	MIS, DEW, RES
P71766W	CLEAR CREEK CATTLE CO	27	33	89	STO
P45368W	POWER RESOURCES INC.	27	33	89	MON, MIS
P92914W	PRI ENVIRONMENTAL INC.	27	33	89	MIS, MON
P45369W	SILVER KING MINES	27	33	89	MON, MIS
P103586W	POWER RESOURCES INC.	28	33	89	MIS, MON
P45370W	SILVER KING MINES	28	33	89	MON, MIS
P103591W	POWER RESOURCES INC.	28	33	89	MIS, MON
P44612W	POWER RESOURCES INC.	28	33	89	MIS
P46775W	SILVER KING MINES	31	33	89	MON, MIS
P46774W	SILVER KING MINES	31	33	89	MON, MIS
P46776W	SILVER KING MINES	31	33	89	MON, MIS
P82823W	POWER RESOURCES INC.	31	33	89	MIS, MON
P82824W	POWER RESOURCES INC.	31	33	89	MIS, MON
P46773W	SILVER KING MINES	31	33	89	MON, MIS
P82825W	POWER RESOURCES INC.	31	33	89	MIS, MON
P103588W	POWER RESOURCES INC.	31	33	89	MIS, MON
P103587W	POWER RESOURCES INC.	31	33	89	MIS, MON
P107839W	POWER RESOURCES INC.	31	33	89	MIS, MON
P31499W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31498W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P103584W	POWER RESOURCES INC.	32	33	89	MIS, MON
P31500W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31497W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31496W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P31501W	FEDERAL AMERICAN PART	32	33	89	MON, MIS
P106687W	POWER RESOURCES INC.	34	33	89	MON, MIS
P106688W	POWER RESOURCES INC.	34	33	89	MON, MIS
P106689W	POWER RESOURCES INC.	34	33	89	MON, MIS
P87214W	PATHFINDER MINES	35	33	90	MIS
P87215W	PATHFINDER MINES	35	33	90	DEW, RES, MIS

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