ADDENDUM 3.4-D

SURFACE WATER QUALITY SAMPLE DATA

Uranium One - Wyoming
Sampling Schedule

Ludeman 2008 & 2009

2008													2009											
Location I.D.	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
SW-1				4/24		6/19	7/18				11/3				3/9									
SW-2						6/17	7/31				DRY				3/9									
SW-3				DRY		6/17	DRY				DRY				3/9									
SW-4				DRY		6/17	7/23				DRY				DRY									
SW-5				DRY		DRY	DRY				DRY			DRY										
SW-6				4/21		6/20	7/24				11/10				3/17									
SW-7				4/24		6/30	7/29				DRY				DRY									
SW-8				4/21		6/30	7/23				DRY				3/5									
SW-9				4/5		6/30		8/21			11/10				3/5									
SW-10				4/5		6/30	7/23				11/10				3/2									
SW-11				DRY		6/17	7/24				DRY				DRY									
SW-12				4/5			7/24				11/5				3/16									
SW-13				DRY		6/17	7/24				DRY				3/16									
SW-14				DRY		DRY		DRY			DRY				DRY									
SW-15				DRY		6/18	DRY				DRY				DRY									

Uranium One - Wyoming
Sampling Schedule

Ludeman 2008 & 2009

	2008												2009											
Location I.D.	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
SW-16				4/28		6/30	7/23				11/13				3/19									
SW-17				4/25		6/30		8/4			NA			2/25										
SW-18				DRY		6/18	DRY				DRY				DRY									
SW-19				4/29		6/20	7/21				11/13				3/27									
SW-20				DRY		6/18	7/21				11/20				3/27									
SW-21						6/18	7/21				11/20				3/27									
SW-22				4/5			7/21				11/13				3/19									
SW-23				4/5		6/20	7/22				11/10				3/9									
SW-24				4/21		6/19	7/18				11/3				3/9									
SW-25				4/29		6/19	7/18				11/3				3/9									
SW-26						6/18	7/22				11/10			2/24										
SW-27															DRY			DRY			DRY			DRY
SW-28															3/31			6/30			9/26			DRY
SW-29																4/20				DRY	DRY			DRY

ClientSampID	Collection Date	A/C Balance (± 5) (DIS)	Anions (DIS)	Bicarbonate as HCO3 (DIS)	Carbonate as CO3 (DIS)	Cations (DIS)	Chloride (DIS)	Conductivity (DIS)	Fluoride (DIS)	pH (DIS)	Solids, Total Dissolved Calculated (DIS)	Solids, Total Dissolved TDS @ 180 C (DIS)	Solids, Total Suspended TSS @ 105 C	Sulfate (DIS)	Turbidity	Nitrogen, Ammonia as N (DIS)	Nitrogen, Nitrate+Nitrite as N (DIS)	Aluminum (DIS)	Arsenic (DIS)	Barium (DIS)	Boron (DIS)
		%	meq/L	mg/L	mg/L	meq/L	mg/L	umhos/cm	mg/L	s.u.	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Ludeman-SW-1	4/24/2008	3.84	41.6	507	1	38.6	77	3210	0.6	8.16	2550	2480	74	1490	50	0.05	0.05	0.1	0.007	0.1	0.3
	6/19/2008	1.65	27.5	419	7	28.5	1	2180	0.4	8.31	1730	1610	17	980	17.3	0.18	0.05	0.1	0.010	0.1	0.4
	7/18/2008	0.472	24.3	150	24	24.1	58	2060	0.4	9.04	1550	1520	16	933		0.05	0.05	0.1	0.008	0.1	0.2
	7/22/2008														11.7						
	11/3/2008	-3.48	51.9	283	6	48.4	66	3940	0.4	8.12	3300	3340	183	2170	101	0.1	0.05	0.1	0.002	0.1	0.3
	3/9/2009	-5.65	55.7	432	1	49.7	92	4330	0.7	8.34	3450	4110	68	2210	20.5	0.05	0.05	0.1	0.004	0.1	0.1
	Average	**-0.63**	**40.20**	**358.20**	**7.80**	**37.86**	**58.80**	**3144.00**	**0.50**	**8.30**	**2516.00**	**2612.00**	**71.60**	**1556.60**	**40.10**	**0.09**	**0.05**	**0.10**	**0.006**	**0.10**	**0.26**
Ludeman-SW-2	6/17/2008	31.8	2	35	1	1.03	1	73	0.1	7.35	122	383	64	68		0.47	0.05	3.5	0.007	0.1	0.1
	7/31/2008	1.16	2.2	79	1	2.15	1	143	0.2	7.74	151	548	400	43	761	0.05	0.05	0.4	0.003	0.1	0.1
	3/9/2009	1.11	1.35	43	1	1.38	4	146	0.1	7.41	272	215	628	21	254	0.23	1.17	0.1	0.003	0.1	0.1
	Average	**11.36**	**1.85**	**52.33**	**1.00**	**1.52**	**2.00**	**120.67**	**0.13**	**7.47**	**181.67**	**382.00**	**364.00**	**44.00**	**507.50**	**0.25**	**0.42**	**1.33**	**0.004**	**0.10**	**0.10**
Ludeman-SW-3	6/17/2008	22.1	1.19	36	1	0.76	1	66	0.1	6.59	74	125	62	29		0.05	0.05	1.3	0.003	0.1	0.1
	3/9/2009	6.76	0.846	47	1	0.969	1	84	0.1	7.4	71	153	90	4	36.9	0.05	0.05	0.1	0.001	0.1	0.1
	Average	**14.43**	**1.02**	**41.50**	**1.00**	**0.86**	**1.00**	**75.00**	**0.10**	**6.83**	**72.50**	**139.00**	**76.00**	**16.50**	**36.90**	**0.05**	**0.05**	**0.70**	**0.002**	**0.10**	**0.10**
Ludeman-SW-4	6/17/2008	24.1	1.3	39	1	0.796	1	68	0.1	7.18	78	169	26	32		0.08	0.05	1.6	0.003	0.1	0.1
	7/23/2008	2.74	0.977	54	1	1.03	1	96	0.1	7.63	124	270	30	4	331	0.25	0.05	0.1	0.004	0.1	0.1
	Average	**13.42**	**1.14**	**46.50**	**1.00**	**0.91**	**1.00**	**82.00**	**0.10**	**7.35**	**101.00**	**219.50**	**28.00**	**18.00**	**331.00**	**0.17**	**0.05**	**0.85**	**0.004**	**0.10**	**0.10**
Ludeman-SW-6	4/21/2008	8.72	1.62	96	1	1.93	1	163	0.1	8.7	93	159	104	2	44.1	0.05	0.05	0.1	0.005	0.1	0.1
	4/28/2008	0.429	69.8	152	19	69.2	123	5620	0.4	8.9	4690	4730	29	3030	11.2	0.07	0.05	<0.2	0.010	0.1	0.3
	6/20/2008	0.418	0.971	54	1	0.979	1	88	0.1	9.18	57	159	36	4	90.2	0.1	0.05	0.6	0.004	0.1	0.1
	7/24/2008	0.754	1.22	46	12	1.2	1	117	0.1	9.4	67	90	13	3	17.3	0.05	0.05	0.1	0.006	0.1	0.1
	11/10/2008	-2.4	2.45	129	1	2.33	1	140	0.1	7.48	156	181	35	16	73.1	3.8	0.06	0.1	0.009	0.1	0.1
	3/17/2009	5.65	0.845	50	1	0.947	1	82	0.1	9.23	53	74	30	1	34.5	0.05	0.05	0.1	0.006	0.1	0.1
	Average	**2.26**	**12.82**	**87.83**	**5.83**	**12.76**	**21.33**	**1035.00**	**0.15**	**8.20**	**852.67**	**898.83**	**41.17**	**509.33**	**45.07**	**0.69**	**0.05**	**0.20**	**0.007**	**0.10**	**0.13**
Ludeman-SW-7	4/24/2008	1.21	2.28	88	1	2.33	7	184	0.1	7.48	137	243	690	30	606	0.08	0.05	1	0.008	0.1	0.1
	6/30/2008	14.3	1.63	62	1	1.23	1	106	0.1	7.12	94	208	102	30	156	0.11	0.05	0.7	0.008	0.1	0.1
	7/29/2008	26.1	3.12	55	1	5.33	1	95	0.1	7.76	247	272	653	106	504	0.05	0.05	0.2	0.010	0.1	0.1
	Average	**13.87**	**2.34**	**68.33**	**1.00**	**2.96**	**3.00**	**128.33**	**0.10**	**7.38**	**159.33**	**241.00**	**481.67**	**55.33**	**422.00**	**0.08**	**0.05**	**0.63**	**0.009**	**0.10**	**0.10**
Ludeman-SW-8	4/21/2008	1.66	0.906	17	1	0.936	1	34	0.1	6.76	64	241	690	30	724	0.13	0.05	1.8	0.013	0.1	0.1
	6/30/2008	23.7	0.721	19	1	0.445	1	38	0.1	6.84	46	153	49	19	95.2	0.06	0.05	0.9	0.005	0.1	0.1
	7/23/2008	35.5	0.133	5	1	0.28	1	24	0.1	5.59	94	298	305	2	531	0.13	0.05	1.7	0.007	0.1	0.1
	3/5/2009	2.13	0.394	15	1	0.411	1	42	0.1	7.68	47	26	37	3	25.7	0.39	1.13	0.5	0.001	0.1	0.1
	Average	**15.75**	**0.54**	**14.00**	**1.00**	**0.52**	**1.00**	**34.50**	**0.10**	**6.14**	**62.75**	**179.50**	**270.25**	**13.50**	**343.98**	**0.18**	**0.32**	**1.23**	**0.007**	**0.10**	**0.10**
Ludeman-SW-9	4/4/2008	6.73	1.15	30	1	1.01	1	60	0.1	6.5	83	109	315	31	358	0.11	0.1	0.9	0.007	0.1	0.1
	6/30/2008	11.9	1.77	75	1	1.39	1	118	0.1	7.23	109	1300	630	26	2440	0.1	0.05	0.6	0.011	0.1	0.1
	8/21/2008	5.06	0.822	49	1	0.91	1	68	0.1	7.68	55	132	232	1	254	0.1	0.05	0.2	0.005	0.1	0.1
	11/10/2008	-8.63	0.918	37	1	0.772	1	38	0.1	6.88	191	334	346	15	478	0.1	0.05	0.3	0.005	0.1	0.1
	3/5/2009	5.55	0.868	46	1	0.97	1	86	0.1	7.92	145	96	657	5	192	1.09	0.14	0.3	0.011	0.1	0.1
	Average	**4.12**	**1.11**	**47.40**	**1.00**	**1.01**	**1.00**	**74.00**	**0.10**	**6.97**	**116.60**	**394.20**	**436.00**	**15.60**	**744.40**	**0.30**	**0.08**	**0.46**	**0.008**	**0.10**	**0.10**
Ludeman-SW-10	4/4/2008	4.89	2.84	154	1	3.13	1	249	0.2	7.41	156	180	222	14	193	0.12	0.1	0.2	0.004	0.1	0.1
	6/30/2008	6.56	2.42	114	1	2.12	1	180	0.2	7.81	127	179	56	26	130	0.05	0.05	0.1	0.003	0.1	0.1
	7/23/2008	2.28	3.61	184	1	3.78	1	319	0.3	7.64	206	191	252	28	284	1.96	0.05	0.1	0.005	0.1	0.1
	11/10/2008	5.56	3.52	174	1	3.94	1	298	0.3	7.51	286	330	592	31	337	0.4	0.06	0.1	0.005	0.1	0.1
	3/2/2009	1.92	2.78	117	1	2.89	2	279	0.2	7.36	160	147	92	25	38.9	1.31	3.93	0.1	0.003	0.1	0.1
	Average	**4.24**	**3.03**	**148.60**	**1.00**	**3.17**	**1.20**	**265.00**	**0.24**	**7.52**	**187.00**	**205.40**	**242.80**	**24.80**	**196.58**	**0.77**	**0.84**	**0.12**	**0.004**	**0.10**	**0.10**
Ludeman-SW-11	6/17/2008	35.3	1.47	29	1	0.704	1	57	0.1	6.85	85	197	55	47		0.17	0.05	2.2	0.004	0.1	0.1
	7/24/2008	2.14	1.95	109	1	2.03	1	232	0.2	6.73	105	290	1850	7	1310	1.12	0.05	0.1	0.016	0.1	0.1
	Average	**18.72**	**1.71**	**69.00**	**1.00**	**1.37**	**1.00**	**144.50**	**0.15**	**6.79**	**95.00**	**243.50**	**952.50**	**27.00**	**1310.00**	**0.65**	**0.05**	**1.15**	**0.010**	**0.10**	**0.10**
Ludeman-SW-12	4/4/2008	2.73	20.7	445	1	21.8	31	1730	0.8	8.16	1280	1360	6	598	2.4	0.05	0.1	0.1	0.002	0.1	0.1
	7/24/2008	1.72	12	317	1	11.6	12	1080	0.9	7.18	711	717	58	310	5.8	0.05	0.05	0.1	0.001	0.1	0.1
	11/5/2008	-0.444	11.7	357	1	11.6	13	1030	0.9	8.28	693	718	171	259	28.4	0.1	0.05	0.1	0.002	0.1	0.1
	3/16/2009	-2.18	10.8	320	1	10.4	16	982	1	8.03	634	600	22	244	3.5	0.05	0.05	0.1	0.001	0.1	0.1
	Average	**0.46**	**13.80**	**359.75**	**1.00**	**13.85**	**18.00**	**1205.50**	**0.90**	**7.66**	**829.50**	**848.75**	**64.25**	**352.75**	**10.03**	**0.06**	**0.06**	**0.10**	**0.002**	**0.10**	**0.10**
Ludeman-SW-13	6/17/2008	40	2.99	37	1	1.28	1	79	0.1	6.75	178	504	26	114		0.28	0.05	5.4	0.005	0.1	0.1
	7/24/2008	11.6	1.5	63	1	1.19	1	122	0.2	6.69	82	157	271	22	272	0.12	0.05	0.1	0.011	0.1	0.1
	3/16/2009	24.9	0.295	12	1	0.492	1	35	0.1	7.59		249	1850	4	1260	0.59	0.07	0.7	0.007	0.1	0.1
	Average	**25.50**	**1.60**	**37.33**	**1.00**	**0.99**	**1.00**	**78.67**	**0.13**	**6.87**	**130.00**	**303.33**	**715.67**	**46.67**	**766.00**	**0.33**	**0.06**	**2.07**	**0.01**	**0.10**	**0.10**
Ludeman-SW-15	6/18/2008	15.1	2.31	116	1	3.14	1	253	0.2	7.2	167	693	250	19	1360	2.52	0.05	8	0.011	0.2	0.1
Ludeman-SW-16	4/28/2008	0.429	69.8	152	19	69.2	123	5620	0.4	8.9	4690	4730	29	3030	11.2	0.07	0.05	0.2	0.010	0.1	0.3
	6/30/2008	1.33	47.4	210	1	48.6	66	3830	0.5	7.82	3190	3330	593	2020	257	0.06	0.05	0.1	0.012	0.2	0.3
	7/23/2008	4.33	73.5	666	1	80.2	113	5850	0.6	8.19	5020	4740	73	2850	149	1.65	0.05	0.1	0.035	0.2	0.4
	11/13/2008	2.15	127	216	28	132	226	9980	0.4	8.86	8650	8740	34	5570	23.5	0.1	0.05	0.1	0.008	0.1	0.3
	3/19/2009	4.1	44.9	262	39	48.7	81	4090	0.5	8.83	3040	3100	10	1780	2.8	0.05	0.05	0.1	0.007	0.1	0.1
	Average	**2.47**	**72.52**	**301.20**	**17.60**	**75.74**	**121.80**	**5874.00**	**0.48**	**8.29**	**4918.00**	**4928.00**	**147.80**	**3050**	**88.70**	**0.39**	**0.05**	**0.12**	**0.014**	**0.14**	**0.28**
Ludeman-SW-17	4/25/2008	3	19.7	310	1	21	54	1810	0.2	8.2	1250	1370	635	630	456	0.08	0.05	0.1	0.006	0.1	0.1
	6/30/2008	1.22	6.38	14	30	6.54	10	627	0.2	9.55	411	421	43	233	15.5	0.05	0.05	0.1	0.004	0.1	0.1
	8/4/2008	1.69	10.5	31	19	10.9	23	1030	0.3	9.78	704	696	19	419	11.8	0.1	0.05	0.1	0.005	0.1	0.1

1. A "0" value represents below minimum detectable concentration

ClientSampID	Collection Date	Cadmium (DIS)	Calcium (DIS)	Chromium (DIS)	Copper (DIS)	Iron (DIS)	Lead (DIS)	Magnesium (DIS)	Manganese (DIS)	Mercury (DIS)	Molybdenum (DIS)	Nickel (DIS)	Potassium (DIS)	Selenium (DIS)	Silica (DIS)	Sodium (DIS)	Uranium (DIS)	Vanadium (DIS)	Zinc (DIS)	Iron (TOT)	Manganese (TOT)	Gross Alpha (DIS)	Gross Alpha MDC (DIS)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	pCi/L
Ludeman-SW-1	4/24/2008	0.005	256	0.05	0.01	0.03	0.001	145	0.02	0.001	0.1	0.05	17	0.003	5.6	308	0.1060	0.2	0.01	1.95	0.48	153	9.3
	6/19/2008	0.005	200	0.05	0.01	0.16	0.001	109	0.21	0.001	0.1	0.05	15	0.002	1	209	0.1140	0.1	0.01	0.76	0.21	178	8.3
	7/18/2008	0.005	140	0.05	0.01	0.03	0.001	91	0.08	0.001	0.1	0.05	21	0.002	<0.2	208	0.1230	0.1	0.01	0.77	0.18	248	6.2
	7/22/2008																						
	11/3/2008	0.005	319	0.05	0.01	0.03	0.001	203	0.87	0.001	0.1	0.05	24	0.001	0.9	348	0.0714	0.1	0.1	2.23	0.89	114	11.9
	3/9/2009	0.005	332	0.05	0.02	0.03	0.009	200	0.1	0.001	0.1	0.05	15	0.005	10.6	375	0.6490	0.1	0.04	0.9	0.2	1390	18
	Average	**0.005**	**249.40**	**0.05**	**0.01**	**0.06**	**0.003**	**149.60**	**0.26**	**0.001**	**0.10**	**0.05**	**18.40**	**0.003**	**4.53**	**289.60**	**0.2127**	**0.12**	**0.03**	**1.32**	**0.39**	**416.60**	**10.74**
Ludeman-SW-2	6/17/2008	0.005	11	0.05	0.01	2.67	0.013	3	0.02	0.001	0.1	0.05	8	0.001	11.5	1	0.0027	0.1	0.03	17.4	0.06	17.8	1.1
	7/31/2008	0.005	26	0.05	0.01	14.1	0.001	6	0.01	0.001	0.1	0.05	13	0.001	39.9	1	0.0087	0.1	0.01	14.5	0.22	15.7	2.1
	3/9/2009	0.005	12	0.05	0.01	0.1	0.001	3	0.02	0.001	0.1	0.05	15	0.001	7.3	3	0.0005	0.1	0.01	20.2	0.26	3.5	1.4
	Average	**0.005**	**16.33**	**0.05**	**0.01**	**5.62**	**0.005**	**4.00**	**0.02**	**0.001**	**0.10**	**0.05**	**12.00**	**0.001**	**19.57**	**1.67**	**0.0040**	**0.10**	**0.02**	**17.37**	**0.18**	**12.33**	**1.53**
Ludeman-SW-3	6/17/2008	0.005	9	0.05	0.01	1.37	0.002	2	0.02	0.001	0.1	0.05	6	0.001	8.2	1	0.0003	0.1	0.01	7.15	0.04	6.5	1.1
	3/9/2009	0.005	8	0.05	0.01	0.11	0.001	2	0.01	0.001	0.1	0.05	14	0.001	8.6	1	0.0003	0.1	0.04	0.81	0.01	-0.01	1.2
	Average	**0.005**	**8.50**	**0.05**	**0.01**	**0.74**	**0.002**	**2.00**	**0.02**	**0.001**	**0.10**	**0.05**	**10.00**	**0.001**	**8.40**	**1.00**	**0.0003**	**0.10**	**0.03**	**3.98**	**0.03**	**3.25**	**1.15**
Ludeman-SW-4	6/17/2008	0.005	9	0.05	0.01	1.36	0.004	2	0.01	0.001	0.1	0.05	7	0.001	7.1	1	0.0008	0.1	0.01	7.24	0.03	6.2	1.1
	7/23/2008	0.005	12	0.05	0.01	0.35	0.001	2	0.03	0.001	0.1	0.05	8	0.001	13.1	1	0.0003	0.1	0.01	15.7	0.15	9	1.3
	Average	**0.005**	**10.50**	**0.05**	**0.01**	**0.86**	**0.003**	**2.00**	**0.02**	**0.001**	**0.10**	**0.05**	**7.50**	**0.001**	**10.10**	**1.00**	**0.0006**	**0.10**	**0.01**	**11.47**	**0.09**	**7.60**	**1.20**
Ludeman-SW-6	4/21/2008	0.005	24	0.05	0.01	0.14	0.001	5	0.02	0.001	0.1	0.05	11	0.001	3	1	0.0010	0.1	0.01	4.5	0.38	1.9	1.2
	4/28/2008	0.005	226	0.05	0.01	0.06	0.001	173	0.02	0.001	0.1	0.05	87	0.001	0.4	953	0.0145	0.1	0.01	0.11	0.08	3	16
	6/20/2008	0.005	12	0.05	0.01	1.42	0.002	2	0.04	0.001	0.1	0.05	6	0.001	4.1	1	0.0003	0.1	0.01	5.05	0.09	1.3	1.2
	7/24/2008	0.005	16	0.05	0.01	0.46	0.001	3	0.02	0.001	0.1	0.05	7	0.001	5.2	1	0.0004	0.1	0.01	2.5	0.09	3.3	1.1
	11/10/2008	0.005	25	0.05	0.01	0.08	0.001	6	0.3	0.001	0.1	0.05	14	0.001	9.8	1	0.0015	0.1	0.01	4.5	0.38	2.9	1.5
	3/17/2009	0.005	10	0.05	0.01	0.47	0.001	2	0.02	0.001	0.1	0.05	9	0.001	4	1	0.0004	0.1	0.01	2.28	0.11	-0.06	1.4
	Average	**0.005**	**52.17**	**0.05**	**0.01**	**0.44**	**0.001**	**31.83**	**0.07**	**0.001**	**0.10**	**0.05**	**22.33**	**0.001**	**4.42**	**159.67**	**0.0030**	**0.10**	**0.01**	**3.16**	**0.19**	**2.06**	**3.73**
Ludeman-SW-7	4/24/2008	0.005	20	0.05	0.06	2.47	0.063	8	0.3	0.001	0.1	0.05	14	0.001	7.9	2	0.0005	0.1	0.66	22.7	0.62	3.3	1.1
	6/30/2008	0.005	11	0.05	0.01	0.73	0.001	4	0.02	0.001	0.1	0.05	10	0.001	5.7	1	0.0003	0.1	0.01	12.5	0.25	1.5	1.2
	7/29/2008	0.005	43	0.05	0.01	0.25	0.001	14	0.01	0.001	0.1	0.05	8	0.001	10.7	41	0.0003	0.1	0.01	4.92	0.47	16.2	1.8
	Average	**0.005**	**24.67**	**0.05**	**0.03**	**1.15**	**0.022**	**8.67**	**0.11**	**0.001**	**0.10**	**0.05**	**10.67**	**0.001**	**8.10**	**14.67**	**0.0004**	**0.10**	**0.23**	**13.37**	**0.45**	**7.00**	**1.37**
Ludeman-SW-8	4/21/2008	0.005	6	0.05	0.01	4.29	0.017	1	0.19	0.001	0.1	0.05	6	0.001	6.2	1	0.0003	0.1	0.03	8.6	0.29	3	1.1
	6/30/2008	0.005	4	0.05	0.01	1.63	0.002	1	0.04	0.001	0.1	0.05	5	0.001	5.3	1	0.0003	0.1	0.01	8.65	0.17	3.2	1.1
	7/23/2008	0.005	1	0.05	0.01	1.94	0.003	1	0.02	0.001	0.1	0.05	5	0.001	25.9	1	0.0003	0.1	0.01	34.1	0.39	3.1	1
	3/5/2009	0.005	3	0.05	0.01	0.25	0.001	1	0.01	0.001	0.1	0.05	5	0.001	5.6	1	0.0003	0.1	0.01	1.83	0.04	0.5	1
	Average	**0.005**	**3.50**	**0.05**	**0.01**	**2.03**	**0.006**	**1.00**	**0.07**	**0.001**	**0.10**	**0.05**	**5.25**	**0.001**	**10.75**	**1.00**	**0.0003**	**0.10**	**0.02**	**13.30**	**0.22**	**2.45**	**1.05**
Ludeman-SW-9	4/4/2008	0.005	7	0.05	0.01	2.89	0.006	2	0.12	0.001	0.1	0.05	9	0.001	14	1	0.0003	0.1	0.01	3.98	0.17	1.8	1
	6/30/2008	0.005	14	0.05	0.01	0.43	0.001	5	0.02	0.001	0.1	0.05	7	0.001	14.8	1	0.0003	0.1	0.01	53.8	0.35	6.8	1.5
	8/21/2008	0.005	9	0.05	0.01	0.17	0.001	2	0.01	0.001	0.1	0.05	10	0.001	13.8	1	0.0003	0.1	0.02	12.8	0.35	2.6	1.4
	11/10/2008	0.005	7	0.05	0.01	0.69	0.001	2	0.01	0.001	0.1	0.05	8	0.002	23.4	1	0.0003	0.1	0.01	20.6	0.45	16.7	1.9
	3/5/2009	0.005	7	0.05	0.01	0.59	0.001	2	0.04	0.001	0.1	0.05	10	0.001	10	3	0.0003	0.1	0.02	15.3	0.28	1.7	1.1
	Average	**0.005**	**8.80**	**0.05**	**0.01**	**0.95**	**0.002**	**2.60**	**0.04**	**0.001**	**0.10**	**0.05**	**8.80**	**0.001**	**15.20**	**1.40**	**0.0003**	**0.10**	**0.01**	**21.30**	**0.32**	**5.92**	**1.38**
Ludeman-SW-10	4/4/2008	0.005	41	0.05	0.01	0.18	0.001	9	0.27	0.001	0.1	0.05	8	0.001	4.4	1	0.0031	0.1	0.01	1.64	0.37	2.6	1.2
	6/30/2008	0.005	30	0.05	0.01	0.11	0.001	6	0.01	0.001	0.1	0.05	3	0.001	3.1	2	0.0038	0.1	0.01	5.32	0.15	4.8	1.4
	7/23/2008	0.005	49	0.05	0.01	0.03	0.001	9	0.23	0.001	0.1	0.05	11	0.001	11.6	3	0.0052	0.1	0.01	11.9	0.58	7.2	1.6
	11/10/2008	0.005	45	0.05	0.01	0.03	0.001	14	0.02	0.001	0.1	0.05	8	0.001	2	7	0.0042	0.1	0.01	12.9	0.28	14.3	1.8
	3/2/2009	0.005	35	0.05	0.01	0.05	0.001	9	0.2	0.001	0.1	0.05	7	0.002	3.5	3	0.0055	0.1	0.03	3.21	0.3	5.7	1.6
	Average	**0.005**	**40.00**	**0.05**	**0.01**	**0.08**	**0.001**	**9.40**	**0.15**	**0.001**	**0.10**	**0.05**	**7.40**	**0.001**	**4.92**	**3.20**	**0.0044**	**0.10**	**0.01**	**6.99**	**0.34**	**6.92**	**1.52**
Ludeman-SW-11	6/17/2008	0.005	8	0.05	0.01	2.58	0.004	2	0.04	0.001	0.1	0.05	5	0.001	6.8	1	0.0005	0.1	0.02	8.53	0.08	6.7	1.1
	7/24/2008	0.005	22	0.05	0.01	0.1	0.001	5	0.19	0.001	0.1	0.05	12	0.001	3.7	2	0.0006	0.1	0.01	45.9	0.67	11.5	1.4
	Average	**0.005**	**15.00**	**0.05**	**0.01**	**1.34**	**0.003**	**3.50**	**0.12**	**0.001**	**0.10**	**0.05**	**8.50**	**0.001**	**5.25**	**1.50**	**0.0006**	**0.10**	**0.02**	**27.22**	**0.38**	**9.10**	**1.25**
Ludeman-SW-12	4/4/2008	0.005	170	0.05	0.01	0.15	0.001	73	0.07	0.001	0.1	0.05	11	0.002	11.7	162	0.0242	0.1	0.01	0.25	0.12	39.5	4.9
	7/24/2008	0.005	110	0.05	0.01	0.03	0.001	37	0.13	0.001	0.1	0.05	5	0.002	21.1	67	0.0267	0.1	0.01	0.32	0.22	55.9	3.7
	11/5/2008	0.005	103	0.05	0.01	0.03	0.001	37	0.03	0.001	0.1	0.05	8	0.003	18.2	73	0.0330	0.1	0.01	2.58	0.08	44.7	3
	3/16/2009	0.005	90	0.05	0.01	<0.03	0.001	31	0.01	0.001	0.1	0.05	5	0.006	13.3	73	0.0238	0.1	0.01	0.44	0.14	50.2	4.2
	Average	**0.005**	**118.25**	**0.05**	**0.01**	**0.07**	**0.001**	**44.50**	**0.06**	**0.001**	**0.10**	**0.05**	**7.25**	**0.003**	**16.08**	**93.75**	**0.0269**	**0.10**	**0.01**	**0.90**	**0.14**	**47.58**	**3.95**
Ludeman-SW-13	6/17/2008	0.005	14	0.05	0.01	4.09	0.012	4	0.07	0.001	0.1	0.05	6	0.001	15.6	1	0.0011	0.1	0.04	18.4	0.1	12	1.2
	7/24/2008	0.005	14	0.05	0.01	0.07	0.001	3	0.05	0.001	0.1	0.05	7	0.001	6.2	1	0.0004	0.1	0.01	4.13	0.22	8.2	1.2
	3/16/2009	0.005	3	0.05	0.01	0.36	0.001	<1	0.01	0.001	0.1	0.05	5	0.001	7.8	3	0.0003	0.1	0.01	35.8	0.23	10.5	2.1
	Average	**0.01**	**10.33**	**0.05**	**0.01**	**1.51**	**0.00**	**3.50**	**0.04**	**0.00**	**0.10**	**0.05**	**6.00**	**0.00**	**9.87**	**1.67**	**0.00**	**0.10**	**0.02**	**19.44**	**0.18**	**10.23**	**1.50**
Ludeman-SW-15	6/18/2008	**0.005**	**28**	**0.05**	**0.01**	**12.1**	**0.014**	**11**	**0.27**	**0.001**	**0.1**	**0.05**	**19**	**0.001**	**22.3**	**4**	**0.0014**	**0.1**	**0.05**	**41**	**0.58**	**5.1**	**1.6**
Ludeman-SW-16	4/28/2008	0.005	226	0.05	0.01	0.06	0.001	173	0.02	0.001	0.1	0.05	87	0.001	0.4	953	0.0145	0.1	0.01	0.11	0.08	3	16
	6/30/2008	0.005	216	0.05	0.01	0.48	0.001	127	0.93	0.001	0.1	1.06	65	0.002	3.5	592	0.0187	0.1	0.01	11.9	1.07	38.2	13.1
	7/23/2008	0.005	319	0.05	0.01	0.1	0.001	197	0.49	0.001	0.1	0.05	105	<0.002	48.2	1040	0.0155	0.1	0.03	4.98	0.64	16	20.2
	11/13/2008	0.005	302	0.05	0.01	0.14	0.002	360	0.14	0.001	0.1	0.05	105	<0.006	<0.4	1960	0.0350	0.1	0.05	0.68	0.15	41	38.8
	3/19/2009	0.005	152	0.05	0.11	0.07	0.011	120	0.14	0.001	0.1	0.05	49	0.004	3.3	690	0.0180	0.1	0.1	0.17	0.18	15.1	17.3
	Average	**0.005**	**243.00**	**0.05**	**0.03**	**0.17**	**0.003**	**195.40**	**0.34**	**0.001**	**0.10**	**0.25**	**82.20**	**0.002**	**13.85**	**1047.00**	**0.0203**	**0.10**	**0.04**	**3.57**	**0.42**	**22.66**	**21.08**
Ludeman-SW-17	4/25/2008	0.005	133	0.05	0.02	0.15	0.050	60	0.22	0.001	0.1	0.05	18	0.001	1	205	0.0288	0.1	0.22	23	0.97	30.1	4.8
	6/30/2008	0.005	35	0.05	0.01	0.03	0.001	24	0.01	0.001	0.1	0.05	12	0.001	1	59	0.0067	0.1	0.01	0.94	0.03	7	1.9
	8/4/2008	0.006	64	0.05	0.01	0.03	0.001	26	0.01	0.001	0.1	0.05	16	0.001	19.9	118	0.0138	0.1	0.01	0.18	0.01	20.4	2.3

1. A "0" value represents below minimum detectable concentration

ClientSampID	Collection Date	Gross Alpha precision (±)	Gross Beta (DIS)	Gross Beta MDC (DIS)	Gross Beta precision (±)	Lead 210 (DIS)	Lead 210 MDC (DIS)	Lead 210 precision (±)	Polonium 210 (DIS)	Polonium 210 precision (±)	Radium 226 (DIS)	Radium 226 MDC (DIS)	Radium 226 precision (±)	Radium 228 (DIS)	Radium 228 MDC (DIS)	Radium 228 precision (±)	Thorium 230 (DIS)	Thorium 230 precision (±)	Lead 210 (SUS)
		pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
Ludeman-SW-1	4/24/2008		54	12.7		0			0.1		0.5	0.2		0.6	1		0.1		0
	6/19/2008	13.1	33	10.9	7.1	1.1	12	7.2	0.5	1	0.9	0.1	0.2	0.6	1.2	0.7	0	0.5	0.4
	7/18/2008	14.2	64.6	7.6	5.6	0	9.1	5.4	0	0.4	0.55	0.25	0.22	2.4	1.5	1	0.2	0.5	1.3
	7/22/2008																		
	11/3/2008	14.3	23	20	12.3	0	5.1	3	0.1	0.2	-0.02	0.25	0.14	0.7	1.1	0.7	0.2	0.4	2.4
	3/9/2009	54.5	289	28.2	21.4	1.1	3.2	1.9	0	0.2	0.19	0.19	0.14	0.5	1.1	0.7	0	0.1	3.6
	Average	**24.03**	**92.72**	**15.88**	**11.60**	**0.44**	**7.35**	**4.38**	**0.14**	**0.45**	**0.42**	**0.20**	**0.18**	**0.96**	**1.18**	**0.78**	**0.10**	**0.38**	**1.54**
Ludeman-SW-2	6/17/2008		15.3	2.5		0.1	5.9		0.1		1.9	0.2		0.7	1.2		0.1		0.8
	7/31/2008	2.2	18.4	2.8	1.9	2.1	15.1	9	0.4	0.7	0.34	0.42	0.29	0	1.5	0.9	1	0.3	1
	3/9/2009	1.1	14.5	2.7	1.9	2.8	3.2	1.9	0.3	0.4	-0.1	0.23	0.11	0.3	1.3	0.8	0.07	0.1	6.1
	Average	**1.65**	**16.07**	**2.67**	**1.90**	**1.67**	**8.07**	**5.45**	**0.27**	**0.55**	**0.71**	**0.28**	**0.20**	**0.33**	**1.33**	**0.85**	**0.39**	**0.20**	**2.63**
Ludeman-SW-3	6/17/2008		7.1	2.5		2.2	5.9		0		0.4	0.2		0.4	1.2		0		3.2
	3/9/2009	0.7	9.2	2.7	1.8	2.2	3.2	1.9	2.6	1.1	-0.09	0.21	0.1	0.6	1.2	0.7	0	0.1	0.6
	Average	**0.70**	**8.15**	**2.60**	**1.80**	**2.20**	**4.55**	**1.90**	**1.30**	**1.10**	**0.16**	**0.21**	**0.10**	**0.50**	**1.20**	**0.70**	**0.00**	**0.10**	**1.90**
Ludeman-SW-4	6/17/2008		8.6	2.5		0	5.9		0		0.3	0.2		0.7	1.2		0.2		5.3
	7/23/2008	1.3	12.5	2.6	1.8	3.6	13	7.8	0.3	1	5	0.4	0.6	0.8	1.2	0.7	0.3	0.3	0.1
	Average	**1.30**	**10.55**	**2.55**	**1.80**	**1.80**	**9.45**	**7.80**	**0.15**	**1.00**	**2.65**	**0.30**	**0.60**	**0.75**	**1.20**	**0.70**	**0.25**	**0.30**	**2.70**
Ludeman-SW-6	4/21/2008		10.2	2.6		0			0.8		-0.12	0.42		0.5	1.9		0		0
	4/28/2008		60	25.1		0			1.2		-0.21	0.29		0.2	1.1		0		0
	6/20/2008	0.8	5.4	2.8	1.7	0	12	7.1	0	0.6	1.3	0.3	0.3	0.4	1.1	0.7	0.3	0.3	0
	7/24/2008	0.9	9.7	3.1	2	0	15.1	8.9	0.1	0.5	0.06	0.2	0.12	0	1	0.6	0.1	0.3	0
	11/10/2008	1.1	11.7	2.8	1.9	1.1	4.7	2.8	0.5	0.5	-0.3	0.38	0.17	0	1.1	0.7	0.4	0.4	0
	3/17/2009	0.8	4.6	2.6	1.6	6	8.6	5.2	0.3	0.5	-0.2	0.28	0.12	0.3	2.1	1.3	0.1	0.2	0
	Average	**0.90**	**16.93**	**6.50**	**1.80**	**1.18**	**10.10**	**6.00**	**0.48**	**0.53**	**0.09**	**0.31**	**0.18**	**0.23**	**1.38**	**0.83**	**0.15**	**0.30**	**0.00**
Ludeman-SW-7	4/24/2008		16.2	2.3		0			0.4		0	0.2		2.3	1		0		0
	6/30/2008	0.8	8.7	3.2	2.1	0	8.4	5	0.2	0.5	0.2	0.3	0.2	0.8	1.3	0.8	0.2	0.2	3.4
	7/29/2008	2.1	25.8	3.2	2.3	0	15.1	8.9	0.7	1	0.32	0.23	0.18	0.4	0.9	0.6	0.2	0.2	1.8
	Average	**1.45**	**16.90**	**2.90**	**2.20**	**0.00**	**11.75**	**6.95**	**0.43**	**0.75**	**0.17**	**0.24**	**0.19**	**1.17**	**1.07**	**0.70**	**0.13**	**0.20**	**1.73**
Ludeman-SW-8	4/21/2008		4.9	2.6		0			2.9		0.04	0.41		0	1.9		0.4		0
	6/30/2008	0.9	8.6	3.2	2.1	0	8.4	5	0.1	0.3	0.3	0.3	0.2	0	1.3	0.8	0	0.2	4.6
	7/23/2008	0.8	6.8	2.6	1.7	1	13	7.8	0.7	1	1.1	0.3	0.3	0.5	1.2	0.7	0.1	0.1	7.6
	3/5/2009	0.7	3.7	2.6	1.6	5.5	3.2	2	0.2	0.4	0.25	0.08	0.08	0.6	0.9	0.6	0.1	0.1	4.5
	Average	**0.80**	**6.00**	**2.75**	**1.80**	**1.63**	**8.20**	**4.93**	**0.98**	**0.57**	**0.42**	**0.27**	**0.19**	**0.28**	**1.33**	**0.70**	**0.15**	**0.13**	**4.18**
Ludeman-SW-9	4/4/2008		8	2.3		0			0.5		0.38	0.22		0	0.9		0.1		0
	6/30/2008	1.4	20.8	3.3	2.3	2.6	8.4	5	0.3	0.6	1	0.3	0.3	0.7	1.3	0.8	0.3	0.2	6.9
	8/21/2008	1.1	10.7	2.6	1.7	0	10.7	6.4	0.1	0.5	0.43	0.25	0.21	1.3	1.1	0.7	0.2	0.3	0
	11/10/2008	2.2	19.7	2.9	2	0	7.4	4.4	0.2	0.4	-0.02	0.23	0.13	0.3	1.1	0.7	0.5	1	3.3
	3/5/2009	0.8	9	2.6	1.7	4.7	3.2	2	0.1	0.3	0.37	0.09	0.11	0.4	1.1	0.7	0.02	0.1	6.6
	Average	**1.38**	**13.64**	**2.74**	**1.93**	**1.46**	**7.43**	**4.45**	**0.24**	**0.45**	**0.43**	**0.22**	**0.19**	**0.54**	**1.10**	**0.73**	**0.22**	**0.40**	**3.36**
Ludeman-SW-10	4/4/2008		3.1	2.3		0			0.5		0.17	0.25		0.4	0.9		0		0
	6/30/2008	1.2	5.8	3.3	2.1	0	8.4	5	0.1	0.5	0.06	0.3	0.2	0.3	1.3	0.8	0	0.1	5.3
	7/23/2008	1.4	9.9	2.7	1.8	4.6	13	7.8	0	0.8	0.3	0.4	0.3	0.4	1.2	0.7	0.1	0.1	1.7
	11/10/2008	2	16.1	2.8	2	0	4.7	2.8	1.2	0.8	-0.1	0.38	0.2	0	1.1	0.7	0	1.6	0.5
	3/2/2009	1.3	7.1	2.7	1.8	0	3.8	2.3	0.3	0.4	0.17	0.18	0.13	0.7	1.3	0.8	0.07	0.1	0
	Average	**1.48**	**8.40**	**2.76**	**1.93**	**0.92**	**7.48**	**4.48**	**0.42**	**0.63**	**0.12**	**0.30**	**0.21**	**0.36**	**1.16**	**0.75**	**0.03**	**0.48**	**1.50**
Ludeman-SW-11	6/17/2008		8.5	2.5		1.1	5.9		0		0.7	0.7		0.3	1.2		0		0
	7/24/2008	1.6	19.5	3.1	2.2	3.1	15.1	9	0.6	0.7	0.62	0.2	0.2	0.01	1	0.6	0.1	0.2	1.5
	Average	**1.60**	**14.00**	**2.80**	**2.20**	**2.10**	**10.50**	**9.00**	**0.30**	**0.70**	**0.66**	**0.45**	**0.20**	**0.16**	**1.10**	**0.60**	**0.05**	**0.20**	**0.75**
Ludeman-SW-12	4/4/2008		11.6	5		0			0.7		0.33	0.27		0.4	0.9		0		0
	7/24/2008	5.4	16.9	5	3.3	0	15.1	8.9	0	0.4	0.52	0.24	0.21	0	1	0.6	0.1	0.2	0
	11/5/2008	4.3	12.6	5	3.2	0	5.1	3	0.1	0.2	0.29	0.23	0.17	0.4	1.1	0.7	0.3	0.4	0
	3/16/2009	5.4	9.7	3.9	2.5	0.5	8.6	5.1	0.2	0.4	-0.2	0.28	0.12	0.6	2.1	1.3	0.09	0.1	0
	Average	**5.03**	**12.70**	**4.73**	**3.00**	**0.13**	**9.60**	**5.67**	**0.25**	**0.33**	**0.24**	**0.26**	**0.17**	**0.35**	**1.28**	**0.87**	**0.12**	**0.23**	**0.00**
Ludeman-SW-13	6/17/2008		11	2.5		1.4	5.9		0		1.5	0.6		0.2	1.2		0.1		5.4
	7/24/2008	1.2	11.6	3.1	2.1	0	13	7.7	0.4	0.6	0.69	0.21	0.21	0	1	0.6	0.1	0.2	3.8
	3/16/2009	2	12.4	2.6	1.8	0	13.8	8.2	0.5	0.5	0.09	0.18	0.12	0	1.3	0.8	0	0.05	4
	Average	**1.60**	**11.67**	**2.73**	**1.95**	**0.47**	**10.90**	**7.95**	**0.30**	**0.55**	**0.76**	**0.33**	**0.17**	**0.07**	**1.17**	**0.70**	**0.07**	**0.13**	**4.40**
Ludeman-SW-15	6/18/2008	**1.3**	**21.3**	**2.7**	**1.9**	**7.9**	**12**	**7.3**	**0**	**0.6**	**2.8**	**0.1**	**0.3**	**1**	**1.2**	**0.7**	**0.2**	**0.2**	**0**
Ludeman-SW-16	4/28/2008		60	25.1		0			1.2		-0.21	0.29		0.2	1.1		0		0
	6/30/2008	10.7	65.4	22.4	14.5	1	8.4	5	0.2	0.4	0.8	0.3	0.3	0.4	1.3	0.8	0	0.2	5.7
	7/23/2008	13.3	91.2	18.8	12.8	1.3	13	7.8	0.7	0.8	1.3	0.3	0.3	2.8	1.2	0.8	0.1	0.2	3.1
	11/13/2008	26.5	112	50.3	31.9	0.3	4	2.4	0.2	0.5	0.63	0.56	0.43	0.3	3.4	2	0.5	0.9	1.8
	3/19/2009	11.5	19.7	17.8	11	0	4.1	2.4	0.08	0.4	0.09	0.2	0.13	0.008	1.4	0.8	0	0.3	0
	Average	**15.50**	**69.66**	**26.88**	**17.55**	**0.52**	**7.38**	**4.40**	**0.48**	**0.53**	**0.52**	**0.33**	**0.29**	**0.74**	**1.68**	**1.10**	**0.12**	**0.40**	**2.12**
Ludeman-SW-17	4/25/2008		25.8	6.4		0			1.2		-0.1	0.2		1	1		0		0
	6/30/2008	1.6	16.4	3.4	2.3	0	8.4	4.9	0.5	0.6	-0.05	0.3	0.1	0	1.3	0.8	0.1	0.2	3.1
	8/4/2008	2.7	3.8	3.6	2.2	0	10.7	6.3	0.3	0.8	0.01	0.35	0.2	0.6	1	0.6	0	0.3	2.4

1. A "0" value represents below minimum detectable concentration

ClientSampID	Collection Date	Lead 210 MDC (SUS)	Lead 210 precision (±)	Polonium 210 (SUS)	Polonium 210 precision (±)	Radium 226 (SUS)	Radium 226 MDC (SUS)	Radium 226 precision (±)	Radium 228 (SUS)	Radium 228 MDC (SUS)	Radium 228 precision (±)	Thorium 230 (SUS)	Thorium 230 precision (±)	Uranium (SUS)	TDS Balance (0.80 - 1.20)
		pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	mg/L	dec. %
Ludeman-SW-1	4/24/2008			0.9		0.2	0.4		NOT ANALYZED			0.1		0.0011	0.97
	6/19/2008	20.1	12	0.2	0.3	0	0.6	0.2				0	0.2	0.0003	
	7/18/2008	12.4	7.4	0.4	0.5	0.1	0.6	0.3				0.2	0.2	0.0007	
	7/22/2008														
	11/3/2008	8.2	4.9	0.7	0.7	0.2	0.4	0.3				0	0.3	0.0018	
	3/9/2009	4.7	2.8	0.3	0.4	0	0.4	0.2				0.1	0.2	0.0009	
	Average	**11.35**	**6.78**	**0.50**	**0.48**	**0.10**	**0.48**	**0.25**				**0.08**	**0.23**	**0.0010**	**0.97**
Ludeman-SW-2	6/17/2008	11.5		0.8		0.3	0.4		NOT ANALYZED			0.5		0.0003	
	7/31/2008	12.8	7.6	0.8	0.8	0	0.6	0.3				0.2	0.2	0.0032	
	3/9/2009	4.7	2.8	4.2	1.3	1.2	0.4	0.4				1	0.4	0.0030	
	Average	**9.67**	**5.20**	**1.93**	**1.05**	**0.50**	**0.47**	**0.35**				**0.57**	**0.30**	**0.0022**	
Ludeman-SW-3	6/17/2008	11.4		0.2		0	0.4		NOT ANALYZED			0.2		0.0003	
	3/9/2009	4.7	2.8	0.6	0.4	0	0.4	0.2				0.2	0.2	0.0004	
	Average	**8.05**	**2.80**	**0.40**	**0.40**	**0.00**	**0.40**	**0.20**				**0.20**	**0.20**	**0.0004**	
Ludeman-SW-4	6/17/2008	11.4		0		0	0.4		NOT ANALYZED			0.2		0.0003	
	7/23/2008	12.5	7.5	1.2	0.8	0.9	0.7	0.5				0.3	1.4	0.0003	
	Average	**11.95**	**7.50**	**0.60**	**0.80**	**0.45**	**0.55**	**0.50**				**0.25**	**1.40**	**0.0003**	
Ludeman-SW-6	4/21/2008			0.8		1.3	0.4		NOT ANALYZED			0.1		0.0003	1.71
	4/28/2008			0		0.7	0.3					0.9		0.0003	1.01
	6/20/2008	15.1	9	0.4	0.5	0	0.6	0.2	0.5	2.5	1.5	0.1	0.1	0.0003	
	7/24/2008	24.1	14.4	0.3	0.4	0	0.6	0.2	NOT ANALYZED			0.1	0.2	0.0003	
	11/10/2008	8.2	4.9	0.3	0.5	0.5	0.3	0.3				0	0.05	0.0003	
	3/17/2009	3.1	1.9	0.4	0.3	0.004	0.1	0.07				0	0.1	0.0003	
	Average	**12.63**	**7.55**	**0.37**	**0.43**	**0.42**	**0.38**	**0.19**	**0.50**	**2.50**	**1.50**	**0.20**	**0.11**	**0.0003**	**1.36**
Ludeman-SW-7	4/24/2008			3.5		0.7	0.4		NOT ANALYZED			0.9		0.0010	1.77
	6/30/2008	7.3	4.4	0.9	0.6	0	0.5	0.2				0.2	0.2	0.0003	2.21
	7/29/2008	12.7	7.6	2.6	1.4	1.2	0.7	0.6				0.2	0.2	0.0007	
	Average	**10.00**	**6.00**	**2.33**	**1.00**	**0.63**	**0.53**	**0.40**				**0.43**	**0.20**	**0.0007**	**1.99**
Ludeman-SW-8	4/21/2008			4.4		1.8	0.4		NOT ANALYZED			0.3		0.0008	3.77
	6/30/2008	7.1	4.3	1.6	0.8	0	0.5	0.2				0.1	0.2	0.0003	3.33
	7/23/2008	13.2	8	6.6	2.4	0.2	0.7	0.4				0.3	0.3	0.0005	
	3/5/2009	5	3	1.1	0.6	0	0.4	0.2				0.0002	0.1	0.0003	
	Average	**8.43**	**5.10**	**3.43**	**1.27**	**0.50**	**0.50**	**0.27**				**0.18**	**0.20**	**0.0005**	**3.55**
Ludeman-SW-9	4/4/2008			3.3		0.4	0.5		NOT ANALYZED			0.3		0.0006	1.31
	6/30/2008	7.8	4.7	2.3	1.2	0.9	0.5	0.4				0.9	0.3	0.0013	11.9
	8/21/2008	20.8	12.3	2.8	1.1	0.1	0.7	0.4				0.7	0.5	0.0009	
	11/10/2008	8.5	5.1	2.6	1.2	0.8	0.3	0.3				0.4	0.7	0.0010	
	3/5/2009	4.8	2.9	2.7	0.9	0.1	0.4	0.2				0.4	0.3	0.0009	
	Average	**10.48**	**6.25**	**2.74**	**1.10**	**0.46**	**0.48**	**0.33**				**0.54**	**0.45**	**0.0009**	**6.61**
Ludeman-SW-10	4/4/2008			1.8		0.2	0.5		NOT ANALYZED			0.7		0.0003	1.15
	6/30/2008	7.2	4.4	0.2	0.3	0	0.5	0.2				0.1	0.3	0.0003	1.41
	7/23/2008	12.5	7.5	1	0.7	0	0.6	0.3				0.5	0.3	0.0003	
	11/10/2008	8.4	5	1.5	0.8	1.2	0.3	0.4				0.4	0.4	0.0012	
	3/2/2009	4.1	2.4	0.5	0.4	0.02	0.2	0.1				0.4	0.2	0.0004	
	Average	**8.05**	**4.83**	**1.00**	**0.55**	**0.28**	**0.42**	**0.25**				**0.42**	**0.30**	**0.0005**	**1.28**
Ludeman-SW-11	6/17/2008	11.3		0.3		0	0.4		NOT ANALYZED			0.3		0.0003	
	7/24/2008	24.9	14.9	7.1	2.4	0.4	0.6	0.4				1.2	0.4	0.0017	
	Average	**18.10**	**14.90**	**3.70**	**2.40**	**0.20**	**0.50**	**0.40**				**0.75**	**0.40**	**0.0010**	
Ludeman-SW-12	4/4/2008			1.3		0	0.5		NOT ANALYZED			0.1		0.0003	1.06
	7/24/2008	24.4	14.3	0.6	0.7	0	0.6	0.3				0.1	0.1	0.0016	
	11/5/2008	16.1	9.5	1.5	1.4	1.3	0.7	0.6				0	0.1	0.0005	
	3/16/2009	3.1	1.8	0.1	0.2	0.05	0.1	0.08				0.09	0.3	0.0003	
	Average	**14.53**	**8.53**	**0.88**	**0.77**	**0.34**	**0.48**	**0.33**				**0.07**	**0.17**	**0.0007**	**1.06**
Ludeman-SW-13	6/17/2008	11.4		0.2		0	0.4		NOT ANALYZED			0.1		0.0003	
	7/24/2008	23.1	13.8	1.2	0.8	0	0.7	0.3				0.4	0.2	0.0003	
	3/16/2009	3.2	1.9	4.5	1.4	0.6	0.05	0.08				1	0.4	0.0030	
	Average	**12.57**	**7.85**	**1.97**	**1.10**	**0.20**	**0.38**	**0.19**				**0.50**	**0.30**	**0.00**	
Ludeman-SW-15	6/18/2008	**20.4**	**12.1**	**1.5**	**1**	**0.2**	**0.6**	**0.4**	NOT ANALYZED			**0.6**	**0.3**	**0.0003**	
Ludeman-SW-16	4/28/2008			0		0.7	0.3		NOT ANALYZED			0.9		0.0003	1.01
	6/30/2008	7.4	4.5	1.4	0.8	0	0.5	0.3				0.1	0.2	0.0079	
	7/23/2008	12.7	7.6	0.1	0.4	0	0.7	0.3				0.1	0.3	0.0005	
	11/13/2008	9.9	5.9	0.6	0.5	0.2	0.4	0.2				0	0.3	0.0010	
	3/19/2009	4.1	2.4	0.2	0.3	0.5	0.2	0.2				0.1	0.2	0.0003	
	Average	**8.53**	**5.10**	**0.46**	**0.50**	**0.28**	**0.42**	**0.25**				**0.24**	**0.25**	**0.0020**	**1.01**
Ludeman-SW-17	4/25/2008			2.8		0.9	0.4		NOT ANALYZED			0.7		0.0007	1.1
	6/30/2008	7.2	4.3	0.1	0.3	0	0.5	0.2				0.1	0.2	0.0003	
	8/4/2008	15	8.9	0.2	0.4	0.1	0.4	0.2				0.1	0.2	0.0003	

1. A "0" value represents below minimum detectable concentration

ClientSampID	Collection Date	A/C Balance (± 5) (DIS)	Anions (DIS)	Bicarbonate as HCO3 (DIS)	Carbonate as CO3 (DIS)	Cations (DIS)	Chloride (DIS)	Conductivity (DIS)	Fluoride (DIS)	pH (DIS)	Solids, Total Dissolved Calculated (DIS)	Solids, Total Dissolved TDS @ 180 C (DIS)	Solids, Total Suspended TSS @ 105 C	Sulfate (DIS)	Turbidity	Nitrogen, Ammonia as N (DIS)	Nitrogen, Nitrate+Nitrite as N (DIS)	Aluminum (DIS)	Arsenic (DIS)	Barium (DIS)	Boron (DIS)
		%	meq/L	mg/L	mg/L	meq/L	mg/L	umhos/cm	mg/L	s.u.	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	2/25/2009	-0.0645	16.1	296	1	16.1	34	1590	0.2	7.91	1000	1030	84	493	45.4	1.08	0.05	0.1	0.015	0.1	0.1
	Average	**1.46**	**13.17**	**162.75**	**12.75**	**13.64**	**30.25**	**1264.25**	**0.23**	**8.32**	**841.25**	**879.25**	**195.25**	**443.75**	**132.18**	**0.33**	**0.05**	**0.10**	**0.008**	**0.10**	**0.10**
Ludeman-SW-18	6/18/2008	**14.5**	**2.1**	**81**	**1**	**1.57**	**1**	**152**	**0.2**	**6.99**	**118**	**254**	**128**	**37**	**321**	**1.42**	**0.05**	**1.9**	**0.008**	**0.1**	**0.1**
Ludeman-SW-19	4/29/2008	3.63	3.3	175	1	3.55	2	309	0.4	7.69	179	212	291	17	193	0.06	0.05	0.1	0.006	0.1	0.1
	6/20/2008	1.42	0.993	46	3	1.02	1	79	0.1	7.35	61	437	97	6	615	0.4	0.05	2.5	0.006	0.1	0.1
	7/21/2008	38.3	2.83	71	1	1.26	1	122	0.1	7.54	145	423	190	80	563	1.17	0.08	0.2	0.003	0.1	0.1
	11/13/2008	5.73	1.78	106	1	2	1	166	0.2	7.81	102	289	110	1	350	0.05	0.44	0.1	0.002	0.1	0.1
	3/27/2009	-4.12	1.74	76	4	1.6	1	221	0.2	8.9	93	125	14	18	51.9	0.05	0.05	0.1	0.001	0.1	0.1
	Average	**8.99**	**2.13**	**94.80**	**2.00**	**1.89**	**1.20**	**179.40**	**0.20**	**7.65**	**116.00**	**297.20**	**140.40**	**24.40**	**354.58**	**0.35**	**0.13**	**0.60**	**0.004**	**0.10**	**0.10**
Ludeman-SW-20	6/18/2008	10	1.26	50	1	1.54	1	124	0.1	7.87	90	414	56	21	515	0.2	0.05	3.9	0.003	0.1	0.1
	7/21/2008	2.05	1.05	54	1	1.09	1	101	0.1	7.77	64	686	146	6	1150	0.14	0.46	0.4	0.003	0.1	0.1
	11/20/2008	1.92	2.31	104	1	2.4	1	158	0.1	8.83	130	133	54	29	34.8	0.05	0.05	0.1	0.002	0.1	0.1
	3/27/2009	-3.81	2.53	87	5	2.34	1	124	0.2	8.83	145	154	13	45	25.9	0.05	0.05	0.1	0.001	0.1	0.1
	Average	**2.54**	**1.79**	**73.75**	**2.00**	**1.84**	**1.00**	**126.75**	**0.13**	**8.08**	**107.25**	**346.75**	**67.25**	**25.25**	**431.43**	**0.11**	**0.15**	**1.13**	**0.002**	**0.10**	**0.10**
Ludeman-SW-21	6/18/2008	11.6	1.07	43	1	1.35	1	83	0.1	7.14	84	589	103	17	1140	0.72	0.05	6.1	0.004	0.1	0.1
	7/21/2008	18.8	2.45	59	6	1.68	1	153	0.1	9.1	134	273	130	61	368	0.05	0.12	0.2	0.003	0.1	0.1
	11/20/2008	-16.3	2.49	88	1	1.79	1	112	0.2	8.32	135	389	84	48	419	0.05	0.26	0.2	0.002	0.1	0.1
	3/27/2009	-23.1	1.12	44	1	0.699	1	64	0.1	7.76	100	118	52	19	105	0.08	0.05	0.2	0.001	0.1	0.1
	Average	**-2.25**	**1.78**	**58.50**	**2.25**	**1.38**	**1.00**	**103.00**	**0.13**	**7.62**	**113.25**	**342.25**	**92.25**	**36.25**	**508.00**	**0.23**	**0.12**	**1.68**	**0.00**	**0.10**	**0.10**
Ludeman-SW-22	4/4/2008	3.79	2.78	116	1	3	1	246	0.2	7.25	176	211	172	42	182	0.23	0.1	0.2	0.005	0.1	0.1
	6/30/2008	14.6	2.93	121	1	2.18	1	204	0.2	7.65	156	312	26	45	187	1.69	0.05	0.3	0.004	0.1	0.1
	7/21/2008	5.33	2.5	141	1	2.79	1	230	0.2	8.4	144	208	70	9	74.3	0.3	0.05	0.1	0.006	0.1	0.1
	11/13/2008	4.73	4.13	211	4	4.54	11	406	0.3	8.06	237	304	58	9	137	1.29	0.61	0.1	0.003	0.1	0.1
	3/19/2009	6.25	2.78	136	5	3.15	6	258	0.2	8.83	166	217	136	10	141	0.06	0.05	0.1	0.002	0.1	0.1
	Average	**6.94**	**3.02**	**145.00**	**2.40**	**3.13**	**4.00**	**268.80**	**0.22**	**7.73**	**175.80**	**250.40**	**92.40**	**23.00**	**144.26**	**0.71**	**0.17**	**0.16**	**0.004**	**0.10**	**0.10**
Ludeman-SW-24	4/21/2008	21.8	1.66	87	1	2.58	1	154	0.1	7.63	114	868	880	11	2740	0.56	0.1	1.3	0.006	0.1	0.1
	6/18/2008	12.2	1.34	54	1	1.71	1	105	0.1	7.35	110	809	70	22	1140	0.81	0.05	7.7	0.007	0.1	0.1
	7/18/2008	2.9	2.26	112	1	2.14	1	192	0.2	7.93	126	868	146	20		2.3	0.06	0.5	0.005	0.1	0.1
	7/22/2008														948						
	11/3/2008	2.84	4.76	160	7	5.04	4	401	0.3	8.55	300	290	170	85	75.8	0.1	0.15	0.1	0.002	0.1	0.1
	3/9/2009	2.81	1.28	59	1	1.35	1	112	0.1	7.73	125	212	64	14	150	0.05	0.05	0.9	0.003	0.1	0.1
	Average	**8.51**	**2.26**	**94.40**	**2.20**	**2.56**	**1.60**	**192.80**	**0.16**	**7.69**	**155.00**	**609.40**	**266.00**	**30.40**	**1010.76**	**0.76**	**0.08**	**2.10**	**0.005**	**0.10**	**0.10**
Ludeman-SW-25	4/29/2008	4.66	39.5	238	3	36	35	2840	0.4	8.44	2480	2480	20	1650	6.1	0.05	0.05	0.1	0.004	0.1	0.2
	6/19/2008	8.14	0.713	28	1	0.839	1	53	0.1	6.58	62	466	55	12	701	0.32	0.05	4.1	0.004	0.1	0.1
	7/18/2008	12.2	1.41	58	1	1.1	1	106	0.1	7.21	77	884	92	22		2.88	0.05	0.4	0.003	0.1	0.1
	7/22/2008														1300						
	11/3/2008	-0.627	1.21	47	1	1.2	1	79	0.1	7.51	94	1650	508	11	1860	0.1	2.69	0.3	0.001	0.1	0.1
	3/9/2009	41.1	1.5	44	1	3.61	1	88	0.1	7.79	210	265	78	37	214	0.05	0.19	1	0.001	0.1	0.1
	Average	**13.09**	**8.87**	**83.00**	**1.40**	**8.55**	**7.80**	**633.20**	**0.16**	**7.12**	**584.60**	**1149.00**	**150.60**	**346.40**	**816.22**	**0.68**	**0.61**	**1.18**	**0.003**	**0.10**	**0.12**
Ludeman-SW-26	6/18/2008	9.4	0.807	26	1	0.974	1	59	0.1	7.07	68	651	71	18	1030	0.2	0.05	4.7	0.005	0.1	0.1
	7/22/2008	5.79	0.966	41	1	0.861	1	82	0.1	7.4	127	1020	126	14	1410	0.5	0.11	0.2	0.006	0.2	0.1
	11/10/2008	-9.61	1.35	45	1	1.12	1	61	0.1	7.33	98	1690	122	25	2010	0.1	0.72	0.5	0.004	0.1	0.1
	2/24/2009	-21.3	1.43	34	1	0.93	1	87	0.1	8	148	165	50	38	126	0.05	0.74	0.1	0.001	0.1	0.1
	Average	**-3.93**	**1.14**	**36.50**	**1.00**	**0.97**	**1.00**	**72.25**	**0.10**	**7.34**	**110.25**	**881.50**	**92.25**	**23.75**	**1144.00**	**0.21**	**0.41**	**1.38**	**0.004**	**0.13**	**0.10**

1. A "0" value represents below minimum detectable concentration

ClientSampID	Collection Date	Cadmium (DIS)	Calcium (DIS)	Chromium (DIS)	Copper (DIS)	Iron (DIS)	Lead (DIS)	Magnesium (DIS)	Manganese (DIS)	Mercury (DIS)	Molybdenum (DIS)	Nickel (DIS)	Potassium (DIS)	Selenium (DIS)	Silica (DIS)	Sodium (DIS)	Uranium (DIS)	Vanadium (DIS)	Zinc (DIS)	Iron (TOT)	Manganese (TOT)	Gross Alpha (DIS)	Gross Alpha MDC (DIS)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	pCi/L
	2/25/2009	0.005	96	0.05	0.01	<0.03	0.001	50	0.57	0.001	0.1	0.05	18	0.001	9.7	153	0.0214	0.1	0.01	2.4	1	24.3	4.6
	Average	**0.005**	**82.00**	**0.05**	**0.01**	**0.07**	**0.013**	**40.00**	**0.20**	**0.001**	**0.10**	**0.05**	**16.00**	**0.001**	**7.90**	**133.75**	**0.0177**	**0.10**	**0.06**	**6.63**	**0.50**	**20.45**	**3.40**
Ludeman-SW-18	6/18/2008	**0.005**	**14**	**0.05**	**0.01**	**5.54**	**0.005**	**5**	**0.06**	**0.001**	**0.1**	**0.05**	**13**	**0.001**	**6.6**	**1**	**0.0025**	**0.1**	**0.02**	**13.5**	**0.24**	**14.7**	**1.3**
Ludeman-SW-19	4/29/2008	0.005	42	0.05	0.01	0.16	0.001	11	0.01	0.001	0.1	0.05	16	0.001	0.6	3	0.0036	0.1	0.01	4.1	0.32	3.1	1.4
	6/20/2008	0.005	12	0.05	0.01	2.42	0.015	3	0.03	0.001	0.1	0.05	5	0.004	6.6	1	0.0044	0.1	0.02	13.9	0.07	3.3	1.1
	7/21/2008	0.005	15	0.05	0.01	0.26	0.001	3	0.01	0.001	0.1	0.05	6	0.001	9.7	1	0.0003	0.1	0.01	23	0.22	5.7	1.1
	11/13/2008	0.005	25	0.05	0.01	0.08	0.001	6	0.01	0.001	0.1	0.05	8	0.001	5.6	2	0.0003	0.1	0.01	15.2	0.08	6.8	2.1
	3/27/2009	0.005	19	0.05	0.01	0.04	0.001	5	0.01	0.001	0.1	0.05	8	0.002	0.7	2	0.0006	0.1	0.01	2.12	0.02	3.6	1.3
	Average	**0.005**	**22.60**	**0.05**	**0.01**	**0.59**	**0.004**	**5.60**	**0.01**	**0.001**	**0.10**	**0.05**	**8.60**	**0.002**	**4.64**	**1.80**	**0.0018**	**0.10**	**0.01**	**11.66**	**0.14**	**4.50**	**1.40**
Ludeman-SW-20	6/18/2008	0.005	18	0.05	0.01	3.1	0.005	4	0.04	0.001	0.1	0.05	5	0.001	10.6	3	0.0011	0.1	0.02	14.4	0.09	4	1.3
	7/21/2008	0.020	12	0.05	0.03	0.2	0.003	3	0.02	0.001	0.1	0.05	7	0.001	9.7	1	0.0003	0.1	0.03	35.2	0.23	5.9	1.1
	11/20/2008	0.005	29	0.05	0.01	0.03	0.001	7	0.01	0.001	0.1	0.05	6	0.001	2	6	0.0008	0.1	0.02	0.64	0.01	1.4	1.1
	3/27/2009	0.005	24	0.05	0.01	<0.03	0.001	8	0.01	0.001	0.1	0.05	6	0.001	0.2	8	0.0011	0.1	0.03	0.83	0.02	1.7	1.4
	Average	**0.009**	**20.75**	**0.05**	**0.02**	**1.11**	**0.003**	**5.50**	**0.02**	**0.001**	**0.10**	**0.05**	**6.00**	**0.001**	**5.63**	**4.50**	**0.0008**	**0.10**	**0.03**	**12.77**	**0.09**	**3.25**	**1.23**
Ludeman-SW-21	6/18/2008	0.005	14	0.05	0.01	6.05	0.009	5	0.1	0.001	0.1	0.05	7	0.001	15.2	1	0.0009	0.1	0.04	21.7	0.19	4.4	1.3
	7/21/2008	0.005	21	0.05	0.02	0.07	0.001	4	0.01	0.001	0.1	0.05	5	0.001	5.3	4	0.0004	0.1	0.01	11.2	0.11	3.6	1.1
	11/20/2008	0.005	21	0.05	0.01	0.07	0.001	5	0.01	0.001	0.1	0.05	9	0.001	3.9	2	0.0006	0.1	0.01	16.5	0.08	21.3	2.4
	3/27/2009	0.005	7	0.05	0.01	0.17	0.001	2	0.01	0.001	0.1	0.05	6	0.001	3.2	<1	0.0003	0.1	0.02	4.8	0.02	3.5	1.2
	Average	**0.01**	**15.75**	**0.05**	**0.01**	**1.59**	**0.00**	**4.00**	**0.03**	**0.00**	**0.10**	**0.05**	**6.75**	**0.00**	**6.90**	**2.33**	**0.00**	**0.10**	**0.02**	**13.55**	**0.10**	**8.20**	**1.50**
Ludeman-SW-22	4/4/2008	0.005	21	0.05	0.01	1.21	0.001	5	0.47	0.001	0.1	0.05	16	0.001	10.4	23	0.0003	0.1	0.01	5.2	0.58	0.7	1.2
	6/30/2008	0.005	23	0.05	0.01	0.42	0.001	5	0.03	0.001	0.1	0.05	12	0.001	5.3	5	0.0004	0.1	0.01	13.8	0.39	1.3	1.4
	7/21/2008	0.020	32	0.05	0.04	0.13	0.003	6	0.07	0.001	0.1	0.05	14	0.001	10.7	6	0.0005	0.1	0.01	3.79	0.26	3	1.2
	11/13/2008	0.005	40	0.05	0.01	0.04	0.001	11	0.01	0.001	0.1	0.05	33	0.001	5.8	15	0.0019	0.1	0.08	4.27	0.1	7.5	2
	3/19/2009	0.005	25	0.05	0.01	0.08	0.002	8	0.01	0.001	0.1	0.05	22	0.001	5.8	15	0.0015	0.1	0.01	4	0.43	1.5	1.9
	Average	**0.008**	**28.20**	**0.05**	**0.02**	**0.38**	**0.002**	**7.00**	**0.12**	**0.001**	**0.10**	**0.05**	**19.40**	**0.001**	**7.60**	**12.80**	**0.0009**	**0.10**	**0.02**	**6.21**	**0.35**	**2.80**	**1.54**
Ludeman-SW-24	4/21/2008	0.005	22	0.05	0.01	2.37	0.004	6	0.23	0.001	0.1	0.05	11	0.001	8.5	9	0.0033	0.1	0.03	10.6	0.98	2.3	1.3
	6/18/2008	0.005	18	0.05	0.02	5.87	0.012	6	0.08	0.001	0.1	0.05	9	<0.002	19.8	1	0.0035	0.1	0.06	23.2	0.17	7.6	1.4
	7/18/2008	0.005	21	0.05	0.01	0.32	0.001	6	0.01	0.001	0.1	0.05	12	0.001	15.5	2	0.0039	0.1	0.01	32.1	0.36	13.7	1.4
	7/22/2008																						
	11/3/2008	0.005	48	0.05	0.01	0.03	0.001	19	0.02	0.001	0.1	0.05	17	0.001	0.9	16	0.0153	0.1	0.01	2.4	0.11	13.6	1.5
	3/9/2009	0.005	12	0.05	0.01	0.37	0.001	4	0.01	0.001	0.1	0.05	8	0.001	6	5	0.0028	0.1	0.03	4.65	0.03	5.4	1.4
	Average	**0.005**	**24.20**	**0.05**	**0.01**	**1.79**	**0.004**	**8.20**	**0.07**	**0.001**	**0.10**	**0.05**	**11.40**	**0.001**	**10.14**	**6.60**	**0.0058**	**0.10**	**0.03**	**14.59**	**0.33**	**8.52**	**1.40**
Ludeman-SW-25	4/29/2008	0.005	284	0.05	0.01	0.06	0.001	140	0.24	0.001	0.1	0.05	16	0.001	6.8	226	0.0430	0.1	0.01	0.15	0.24	73.1	8
	6/19/2008	0.005	9	0.05	0.01	3.29	0.007	3	0.02	0.001	0.1	0.05	6	<0.002	9.3	1	0.0011	0.1	0.04	11.8	0.06	7.7	1.3
	7/18/2008	0.005	9	0.05	0.01	0.31	0.001	2	0.04	0.001	0.1	0.05	8	0.001	10.8	1	0.0003	0.1	0.01	33.3	0.31	10.2	1.3
	7/22/2008																						
	11/3/2008	0.005	11	0.05	0.01	0.67	0.002	3	0.03	0.001	0.1	0.05	11	0.001	15.9	2	0.0004	0.1	0.06	61	0.18	9.2	1.4
	3/9/2009	0.005	12	0.05	0.04	0.44	0.017	4	0.01	0.001	0.1	0.05	11	0.006	4.4	55	0.0091	0.1	0.07	7.6	0.03	6.1	1.5
	Average	**0.005**	**65.00**	**0.05**	**0.02**	**0.95**	**0.006**	**30.40**	**0.07**	**0.001**	**0.10**	**0.05**	**10.40**	**0.002**	**9.44**	**57.00**	**0.0108**	**0.10**	**0.04**	**22.77**	**0.16**	**21.26**	**2.70**
Ludeman-SW-26	6/18/2008	0.005	12	0.05	0.01	3.22	0.009	3	0.02	0.001	0.1	0.05	5	<0.002	13.6	1	0.0010	0.1	0.04	16.6	0.04	3.8	1.3
	7/22/2008	0.005	9	0.05	0.01	0.3	0.001	2	0.03	0.001	0.1	0.05	5	0.001	13.8	1	0.0003	0.1	0.01	29.7	0.09	14.9	1.3
	11/10/2008	0.005	13	0.05	0.01	0.58	0.001	3	0.01	0.001	0.1	0.05	7	0.004	17.4	1	0.0003	0.1	0.01	32.8	0.08	82.4	7.9
	2/24/2009	0.005	10	0.05	0.01	0.23	0.001	2	0.01	0.001	0.1	0.05	5	0.001	8.2	1	0.0003	0.1	0.01	5.52	0.04	2.1	1.2
	Average	**0.005**	**11.00**	**0.05**	**0.01**	**1.08**	**0.003**	**2.50**	**0.02**	**0.001**	**0.10**	**0.05**	**5.50**	**0.002**	**13.25**	**1.00**	**0.0005**	**0.10**	**0.02**	**21.16**	**0.06**	**25.80**	**2.93**

1. A "0" value represents below minimum detectable concentration

ClientSampID	Collection Date	Gross Alpha precision (±)	Gross Beta (DIS)	Gross Beta MDC (DIS)	Gross Beta precision (±)	Lead 210 (DIS)	Lead 210 MDC (DIS)	Lead 210 precision (±)	Polonium 210 (DIS)	Polonium 210 precision (±)	Radium 226 (DIS)	Radium 226 MDC (DIS)	Radium 226 precision (±)	Radium 228 (DIS)	Radium 228 MDC (DIS)	Radium 228 precision (±)	Thorium 230 (DIS)	Thorium 230 precision (±)	Lead 210 (SUS)
		pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
	2/25/2009	4.6	27.9	7.3	4.8	0	2.8	1.6	0.2	0.3	1.2	0.24	0.28	0.7	1.7	1	0	0.1	1.1
	Average	**2.97**	**18.48**	**5.18**	**3.10**	**0.00**	**7.30**	**4.27**	**0.55**	**0.57**	**0.27**	**0.27**	**0.19**	**0.58**	**1.25**	**0.80**	**0.03**	**0.20**	**1.65**
Ludeman-SW-18	6/18/2008	**1.6**	**12.6**	**2.6**	**1.8**	**0.9**	**12**	**7.2**	**0.2**	**0.7**	**3.6**	**0.2**	**0.4**	**0.7**	**1.2**	**0.7**	**0.2**	**0.2**	**1.4**
Ludeman-SW-19	4/29/2008		5.3	2.7		0			0.2		0	0.22		0	1.1		0		0
	6/20/2008	0.9	5.9	2.8	1.8	3.4	12	7.2	0	0.6	0.3	0.3	0.2	0	1.1	0.6	0	0.2	2.1
	7/21/2008	1.1	10.2	2.7	1.8	0	13.2	7.8	0.4	0.7	1.5	0.24	0.37	0	1.3	0.7	0.1	0.2	0
	11/13/2008	1.8	15.8	2.6	1.8	0	4	2.4	0.6	0.9	0.58	0.51	0.4	2	3.5	2.2	0.1	0.2	3.7
	3/27/2009	1.1	5.8	2.8	1.8	0.8	2.7	1.6	0.1	0.3	0.05	0.21	0.13	0	1	0.6	0	0.1	2.4
	Average	**1.23**	**8.60**	**2.72**	**1.80**	**0.84**	**7.98**	**4.75**	**0.26**	**0.63**	**0.49**	**0.30**	**0.28**	**0.40**	**1.60**	**1.03**	**0.04**	**0.18**	**1.64**
Ludeman-SW-20	6/18/2008	1.1	4.3	2.6	1.6	10.1	12	7.3	0	0.4	1.2	0.2	0.2	0.7	1.2	0.7	0	0.08	5.9
	7/21/2008	1.2	11.6	2.7	1.8	7.7	15.6	9.5	0.9	1.2	1.3	0.22	0.34	0.5	1.3	0.8	0.2	0.2	0
	11/20/2008	0.8	2.7	2.7	1.7	0	9.4	5.6	0.1	0.3	-0.2	0.26	0.12	2.9	1	0.7	0	0.09	0
	3/27/2009	1	3.7	2.8	1.7	2	2.7	1.6	0.3	0.5	0.38	0.24	0.19	1.1	1.1	0.7	0.04	0.1	2.5
	Average	**1.03**	**5.58**	**2.70**	**1.70**	**4.95**	**9.93**	**6.00**	**0.33**	**0.60**	**0.67**	**0.23**	**0.21**	**1.30**	**1.15**	**0.73**	**0.06**	**0.12**	**2.10**
Ludeman-SW-21	6/18/2008	1.1	6.5	2.6	1.7	10.8	12	7.3	0.5	1.7	0.9	0.1	0.2	0.7	1.2	0.7	0	0.07	0
	7/21/2008	1	0.8	2.7	1.6	0.9	13	7.8	1.1	1.2	1.1	0.26	0.33	0.4	1.3	0.8	0.1	0.07	0
	11/20/2008	2.9	25.8	3.2	2.3	2.4	4.7	2.8	0.5	0.5	0.3	0.34	0.24	1	1	0.6	0.1	0.2	0
	3/27/2009	1	6.3	2.8	1.8	2.7	2.7	1.6	0.02	0.4	0.48	0.19	0.18	0.6	0.9	0.5	0.06	0.1	1.5
	Average	**1.50**	**9.85**	**2.83**	**1.85**	**4.20**	**8.10**	**4.88**	**0.53**	**0.95**	**0.70**	**0.22**	**0.24**	**0.68**	**1.10**	**0.65**	**0.07**	**0.11**	**0.38**
Ludeman-SW-22	4/4/2008		10.9	2.4		0			0.4		0.24	0.24		0.6	0.9		0		0
	6/30/2008	0.9	13.5	3.3	2.2	1.6	8.4	5	0.3	0.9	0.2	0.3	0.2	0.7	1.3	0.8	0.1	0.1	2.2
	7/21/2008	1	13.1	2.7	1.9	1.9	13	7.8	0.4	1.2	0.84	0.22	0.27	0.007	1.3	0.8	0	0.07	42.1
	11/13/2008	1.8	36.1	2.6	2.1	1.3	4	2.4	0.4	0.7	0.37	0.45	0.32	0	3.5	2	0.1	0.2	1.9
	3/19/2009	1.2	20.6	2.6	1.9	0	4.1	2.4	0.3	0.4	0.05	0.18	0.11	0	1.2	0.7	0	0.2	0.2
	Average	**1.23**	**18.84**	**2.72**	**2.03**	**0.96**	**7.38**	**4.40**	**0.36**	**0.80**	**0.34**	**0.28**	**0.23**	**0.26**	**1.64**	**1.08**	**0.04**	**0.14**	**9.28**
Ludeman-SW-24	4/21/2008		9.5	2.7		0			0.6		1.9	0.52		0.1	1.9		0.1		0
	6/18/2008	1.3	9.6	2.6	1.7	9.2	12	7.3	0.1	0.7	1.3	0.2	0.3	0.6	1.2	0.7	0.1	0.1	13.7
	7/18/2008	1.8	19.6	2.9	2.1	3.3	9.1	5.5	0.6	0.7	1	0.23	0.25	1.4	1.5	0.9	0	0.07	0
	7/22/2008																		
	11/3/2008	1.8	21.8	3	2.1	0	5.1	3	0.2	0.3	-0.03	0.21	0.11	0.5	1.1	0.7	0.1	0.2	0
	3/9/2009	1.2	8.9	2.7	1.8	4.2	6.4	3.9	0.8	0.7	0.1	0.19	0.12	0.2	1.1	0.6	0.2	0.2	1.1
	Average	**1.53**	**13.88**	**2.78**	**1.93**	**3.34**	**8.15**	**4.93**	**0.46**	**0.60**	**0.85**	**0.27**	**0.20**	**0.56**	**1.36**	**0.73**	**0.10**	**0.14**	**2.96**
Ludeman-SW-25	4/29/2008		16.1	13.5		0			0		-0.06	0.15		0	1.1		0		0
	6/19/2008	1.3	10.1	2.6	1.7	2.8	12	7.2	0	0.7	1.8	0.2	0.3	0.8	1.2	0.7	0	0.1	0
	7/18/2008	1.5	17.8	2.9	2	4.3	9.1	5.5	0.3	0.6	1.5	0.2	0.26	1.6	1.5	0.9	0.1	0.1	0
	7/22/2008																		
	11/3/2008	1.4	23.9	2.9	2.1	4.9	5.3	3.2	0.3	0.4	2.5	0.19	0.32	1.3	1.1	0.7	0.3	0.4	6.3
	3/9/2009	1.3	15.5	2.7	1.9	2.8	3.2	1.9	0.6	0.6	0.14	0.17	0.12	0	1	0.6	0.1	0.1	1.1
	Average	**1.38**	**16.68**	**4.92**	**1.93**	**2.96**	**7.40**	**4.45**	**0.24**	**0.58**	**1.18**	**0.18**	**0.25**	**0.74**	**1.18**	**0.73**	**0.10**	**0.18**	**1.48**
Ludeman-SW-26	6/18/2008	1	5.1	2.6	1.6	6.2	12	7.3	0	0.5	1	0.2	0.2	0.7	1.2	0.7	0	0.1	10.4
	7/22/2008	1.8	16.5	2.7	1.9	6	13	7.8	0.5	0.8	1.9	0.22	0.39	0	1.3	0.7	0.1	0.07	11.6
	11/10/2008	9.8	76.6	16.2	11	4	6.6	4	0.4	0.4	1.7	0.21	0.28	1.4	1.1	0.7	0.1	0.2	0
	2/24/2009	0.9	5.6	2.5	1.6	0.9	2.8	1.7	0.1	0.3	0.17	0.2	0.14	0.2	1.4	0.8	0.06	0.3	0.9
	Average	**3.38**	**25.95**	**6.00**	**4.03**	**4.28**	**8.60**	**5.20**	**0.25**	**0.50**	**1.19**	**0.21**	**0.25**	**0.58**	**1.25**	**0.73**	**0.07**	**0.17**	**5.73**

1. A "0" value represents below minimum detectable concentration

ClientSampID	Collection Date	Lead 210 MDC (SUS)	Lead 210 precision (±)	Polonium 210 (SUS)	Polonium 210 precision (±)	Radium 226 (SUS)	Radium 226 MDC (SUS)	Radium 226 precision (±)	Radium 228 (SUS)	Radium 228 MDC (SUS)	Radium 228 precision (±)	Thorium 230 (SUS)	Thorium 230 precision (±)	Uranium (SUS)	TDS Balance (0.80 - 1.20)
		pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	mg/L	dec. %
	2/25/2009	6.7	4	0.4	0.4	0.07	0.2	0.1				0.1	0.2	0.0004	
	Average	**9.63**	**5.73**	**0.88**	**0.37**	**0.27**	**0.38**	**0.17**				**0.25**	**0.20**	**0.0004**	**1.10**
Ludeman-SW-18	6/18/2008	**20.1**	**12**	**0.9**	**0.7**	**0**	**0.6**	**0.2**		NOT ANALYZED		**0**	**0.1**	**0.0003**	
Ludeman-SW-19	4/29/2008			1.9		1.4	0.3			NOT ANALYZED		0.1		0.0003	1.18
	6/20/2008	15.9	9.5	0.5	0.5	0	0.6	0.3	0.07	2.7	1.6	0.2	0.2	0.0003	
	7/21/2008	11.8	7	0.4	0.4	0	0.6	0.3				0.1	0.2	0.0003	
	11/13/2008	9.8	5.9	1.2	0.7	0.3	0.4	0.3		NOT ANALYZED		0	0.7	0.0005	
	3/27/2009	4.1	2.5	0.1	0.3	0	0.09	0.04				0.1	0.1	0.0003	
	Average	**10.40**	**6.23**	**0.82**	**0.48**	**0.34**	**0.40**	**0.24**	**0.07**	**2.70**	**1.60**	**0.10**	**0.30**	**0.0003**	**1.18**
Ludeman-SW-20	6/18/2008	20.7	12.5	0.3	0.5	0	0.5	0.2				0	0.1	0.0003	
	7/21/2008	11.8	6.9	0.5	0.4	0	0.6	0.3		NOT ANALYZED		0.3	0.2	0.0003	
	11/20/2008	8.7	5.1	0	0.7	0	0.5	0.3				0.1	0.2	0.0003	
	3/27/2009	4.1	2.4	0.3	0.3	0.08	0.08	0.06				0.09	0.2	0.0003	
	Average	**11.33**	**6.73**	**0.28**	**0.48**	**0.02**	**0.42**	**0.22**				**0.12**	**0.18**	**0.0003**	
Ludeman-SW-21	6/18/2008	19.6	11.6	0.9	0.8	0	0.6	0.3				0.5	0.3	0.0003	
	7/21/2008	11.8	7	0.3	0.4	0	0.6	0.3		NOT ANALYZED		0.3	0.2	0.0003	
	11/20/2008	8.4	5	2.9	2.3	0	0.4	0.2				0.1	0.2	0.0003	
	3/27/2009	4.2	2.5	0.2	0.3	0.6	0.08	0.09				0.05	0.2	0.0003	
	Average	**11.00**	**6.53**	**1.08**	**0.95**	**0.15**	**0.42**	**0.22**				**0.24**	**0.23**	**0.00**	
Ludeman-SW-22	4/4/2008			1.5		0.3	0.5					0.4		0.0003	1.2
	6/30/2008	7.4	4.5	0.2	0.4	0	0.5	0.2				0	0.02	0.0003	2
	7/21/2008	11.8	7.6	0.1	0.3	0	0.7	0.3		NOT ANALYZED		0	0.1	0.0003	
	11/13/2008	10.6	6.4	1.8	0.9	0	0.4	0.2				0.4	0.08	0.0011	
	3/19/2009	4.2	2.5	0.9	0.6	0.6	0.2	0.2				0.1	0.9	0.0003	
	Average	**8.50**	**5.25**	**0.90**	**0.55**	**0.18**	**0.46**	**0.23**				**0.18**	**0.28**	**0.0005**	**1.60**
Ludeman-SW-24	4/21/2008			3.4		5.2	0.4					1.6		0.0070	7.61
	6/18/2008	20.8	12.7	0.7	0.6	0	0.6	0.3				0.2	0.1	0.0003	
	7/18/2008	12.4	7.3	0.3	0.4	0.2	0.6	0.4		NOT ANALYZED		0.2	0.3	0.0005	
	7/22/2008														
	11/3/2008	8.1	4.8	1	0.6	0.2	0.4	0.3				0.1	0.3	0.0011	
	3/9/2009	4.7	2.8	0.3	0.3	0.4	0.4	0.3				0.2	0.2	0.0007	
	Average	**11.50**	**6.90**	**1.14**	**0.48**	**1.20**	**0.48**	**0.33**				**0.46**	**0.23**	**0.0019**	**7.61**
Ludeman-SW-25	4/29/2008			0.6		0.5	0.3					0.4		0.0003	1
	6/19/2008	22.1	13	0.6	0.5	0	0.6	0.3				0	0.2	0.0003	
	7/18/2008	12.4	7.4	0.4	0.4	0	0.7	0.3		NOT ANALYZED		0.1	0.2	0.0003	
	7/22/2008														
	11/3/2008	8	4.9	3.3	1.4	1.4	0.4	0.4				0.6	0.4	0.0017	
	3/9/2009	4.7	2.8	0.7	0.5	0	0.3	0.1				0.3	0.2	0.0005	
	Average	**11.80**	**7.03**	**1.12**	**0.70**	**0.38**	**0.46**	**0.28**				**0.28**	**0.25**	**0.0006**	**1.00**
Ludeman-SW-26	6/18/2008	19.6	11.9	0.5	0.5	0	0.5	0.2				0.1	0.2	0.0003	
	7/22/2008	25.3	15.2	1.6	1.1	0	0.6	0.3		NOT ANALYZED		0.4	0.3	0.0004	
	11/10/2008	9.7	5.8	1.2	0.9	0	0.4	0.2				0.4	0.3	0.0007	
	2/24/2009	6.8	4	0.04	0.2	0	0.2	0.08				0.08	0.2	0.0005	
	Average	**15.35**	**9.23**	**0.84**	**0.68**	**0.00**	**0.43**	**0.20**				**0.25**	**0.25**	**0.0005**	

1. A "0" value represents below minimum detectable concentration

Uranium One - Wyoming
Sampling Schedule

Ludeman 2008 & 2009

	2008												2009											
Location I.D.	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
M-2				4/24			7/29				11/6				3/17									
M-3				4/28			7/30				11/6				3/17									
M-4				4/29			7/30				11/6				3/17									
M-5				4/30			7/14				11/7				3/5									
M-6					5/7			8/6				12/2			3/25									
M-7				4/25				8/13			11/5				3/12									
M-8					5/5			8/12			11/18			2/12										
M-9						6/19		8/12			11/3				3/12									
M-10			3/28				7/17				11/11				3/5									
M-11				4/16			7/15				11/7				3/4									
M-12				4/18			7/18				11/17				3/30									
M-13						6/20		8/14			11/18				3/30									
M-14				4/17			7/24				11/5				3/16									
M-15			3/28			6/30	7/17				11/12				3/19									
M-16				4/16			7/16				11/12				3/19									
M-17				4/18			7/15				11/11				3/30									
M-18						6/17	7/23				11/5			2/24										
M-19						6/20	7/22				11/13				3/20									
M-20			3/29			6/30	7/22				11/12				3/20									
M-21			3/27				7/18				11/13				3/20									
M-23								8/15			11/17			2/24				6/22						
M-24			3/30				7/23				11/19				3/20									
M-26				4/21			7/28				11/10				3/16									

Uranium One - Wyoming
Sampling Schedule

Ludeman 2008 & 2009

2008													2009											
Location I.D.	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
OW-1								8/18			11/14				3/18			6/24						
OW-9			3/27					8/5			11/14				3/18									
LPW-1												12/4		2/10				6/17		8/24				
LMU-1												12/4		2/10				6/17		8/24				
LMO-1												12/5		2/12				6/17		8/24				
LPW-2												12/5		2/11				6/17		8/24				
LPW-3A												12/18			3/2			6/22		8/26				
LMU-2A												12/12			3/4			6/24		8/27				
LMO-2A												12/10			3/2			6/22		8/26				
LPW-4												12/22			3/18			6/18		8/31				
LMU-3												12/22			3/18			6/18		8/31				

Well		Collection Date	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mg/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	TDS Balance (0.80 - 1.20) (dec. %)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
OW-9	60	3/26/2008	0.911	5.44	219	2	5.54	2	511	0.6	8.28	324	261	0.81	82	0.11	0.1	0.1	0.006	0.1	0.1	0.005	13	0.05	0.01	0.04	0.001
		8/5/2008	4.31	5.39	220	1	5.88	5	504	0.6	7.76	327	302		77	0.1	0.05	0.1	0.006	0.1	0.1	0.005	15	0.05	0.01	0.03	0.004
		11/14/2008	2.75	5.19	215		5.48	5	505	0.6	7.99	316	284	0.9	72	0.09	0.1	0.1	0.006	0.1	0.1	0.005	14	0.05	0.01	0.03	0.001
		3/18/2009	-1.72	5.3	217	1	5.12	4	511	0.6	7.96	311	327	1.05	76	0.12	0.05	0.1	0.005	0.1	0.1	0.005	11	0.05	0.01	0.03	0.001
		Average	**1.56**	**5.33**	**217.75**	**1.33**	**5.51**	**4.00**	**507.75**	**0.60**	**7.96**	**319.50**	**293.50**	**0.92**	**76.75**	**0.11**	**0.08**	**0.10**	**0.006**	**0.10**	**0.10**	**0.005**	**13.25**	**0.05**	**0.01**	**0.03**	**0.002**
LMU-2A	60	12/12/2008	-2.98	5.96	205	1	5.61	5	468	0.7	8.74	360	315	0.88	115	0.35	0.05	0.1	0.001	0.1	0.1	0.005	17	0.05	0.01	0.03	0.001
		3/4/2009	-0.527	6.43	230	1	6.37	6	564	0.6	8.66	411	336	0.82	119	0.35	0.05	0.1	0.001	0.1	0.1	0.005	18	0.05	0.01	0.03	0.001
		6/24/2009	-2.87	6.13	215	6	5.79	5	604	0.6	8.49	362	385	1.06	109	0.53	0.1	0.1	0.001	0.1	0.1	0.005	18	0.05	0.01	0.03	0.001
		Average	**-2.13**	**6.17**	**216.67**	**2.67**	**5.92**	**5.33**	**545.33**	**0.63**	**8.62**	**377.67**	**345.33**	**0.92**	**114.33**	**0.41**	**0.07**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**17.67**	**0.05**	**0.01**	**0.03**	**0.001**
AVERAGE	**60 SAND**		**-0.28**	**5.75**	**217.21**	**2.00**	**5.71**	**4.67**	**526.54**	**0.62**	**8.17**	**348.58**	**319.42**	**0.92**	**95.54**	**0.26**	**0.07**	**0.10**	**0.003**	**0.10**	**0.10**	**0.01**	**15.46**	**0.05**	**0.01**	**0.03**	**0.001**

*Sand OW-9 sand location is an *estimated on surrounding logs and* drill depths.

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (pCi/L)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS			DIS
OW-9	60	3/26/2008	5	0.06	0.001	0.1	0.05	3	0.001	8	100	0.0070	0.1	0.01	0.07	0.06	14.7	1.5		1.5	2.5		0			2.5
		8/5/2008	5	0.06	0.001	0.1	0.05	4	0.001	64	106	0.0141	0.1	0.01	0.1	0.06	26.5	1.9	2.6	7	2.4	1.5	89.1	10.7	7.6	0
		11/14/2008	5	0.06	0.001	0.1	0.05	3	0.001	9.8	98	0.0073	0.1	0.01	0.08	0.06	21.1	1.4	2.2	5.2	2.6	1.7	2.8	4	2.4	0.2
		3/18/2009	4	0.05	0.001	0.1	0.05	3	0.001	7.8	95	0.0076	0.1	0.01	0.08	0.06	19.9	2.2	2.5	3.5	2.6	1.6	0.5	4.1	2.4	0
		Average	**4.75**	**0.06**	**0.001**	**0.10**	**0.05**	**3.25**	**0.001**	**22.40**	**99.75**	**0.0090**	**0.10**	**0.01**	**0.08**	**0.06**	**20.55**	**1.75**	**2.43**	**4.30**	**2.53**	**1.60**	**23.10**	**6.27**	**4.13**	**0.68**
LMU-2A	60	12/12/2008	6	0.02	0.001	0.1	0.05	6	0.001	11.8	93	0.0003	0.1	0.02	1.17	0.04	5.7	1.7	1.5	3.2	2.8	1.7	0	4.6	2.7	0.2
		3/4/2009	7	0.03	0.001	0.1	0.05	6	0.001	7.6	109	0.0007	0.1	0.01	3.64	0.07	7.5	1.9	1.7	4.2	2.7	1.7	4.1	3.2	2	0.3
		6/24/2009	7	0.03	0.001	0.1	0.05	5	0.001	8.4	96	0.0011	0.1	0.01	2.14	0.06	9.9	2.1	1.9	5.5	2.7	1.7	0	2.6	1.5	0.2
		Average	**6.67**	**0.03**	**0.001**	**0.10**	**0.05**	**5.67**	**0.001**	**9.27**	**99.33**	**0.0007**	**0.10**	**0.01**	**2.32**	**0.06**	**7.70**	**1.90**	**1.70**	**4.30**	**2.73**	**1.70**	**1.37**	**3.47**	**2.07**	**0.23**
AVERAGE	**60 SAND**		**5.71**	**0.04**	**0.001**	**0.10**	**0.05**	**4.46**	**0.001**	**15.83**	**99.54**	**0.0049**	**0.10**	**0.01**	**1.20**	**0.06**	**14.13**	**1.83**	**2.07**	**4.30**	**2.63**	**1.65**	**12.23**	**4.87**	**3.10**	**0.45**

*Sand OW-9 sand location is an estimated on surrounding logs and drill depths.

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L)
				DIS	DIS		DIS	DIS		DIS		SUS			SUS		SUS	SUS					SUS		SUS
OW-9	60	3/26/2008		0.34	0.09		0.4	0.8		0.6		7.2			0.6		0.3	0.3					0.1		0.0003
		8/5/2008	0.6	0.56	0.28	0.24	1.2	1	0.7	0.1	0.1	0	15	8.9	0	0.2	0	0.4	0.2				0.1	0.2	0.0003
		11/14/2008	0.3	0.34	0.18	0.15	0.2	1.2	0.7	0.1	0.2	5.9	8.3	5.1	2.1	1.8	1.4	0.4	0.4				0.1	0.2	0.0003
		3/18/2009	0.2	0.33	0.18	0.15	0	1.2	0.7	0.1	0.1	0	3.1	1.8	0.09	0.2	0.09	0.1	0.09				0	0.1	0.0003
		Average	**0.37**	**0.39**	**0.18**	**0.18**	**0.45**	**1.05**	**0.70**	**0.23**	**0.13**	**3.28**	**8.80**	**5.27**	**0.70**	**0.73**	**0.45**	**0.30**	**0.23**				**0.08**	**0.17**	**0.0003**
LMU-2A	60	12/12/2008	0.4	0.73	0.21	0.21	1.1	1.7	1.1	0.2	0.2	0	14.5	8.5	0.3	0.4	0.9	0.5	0.4				0.7	0.4	0.0019
		3/4/2009	0.4	0.8	0.09	0.14	1.1	1.3	0.8	0.1	0.1	5.9	4.7	2.9	1	0.6	0.1	0.4	0.2				1.2	0.4	0.0015
		6/24/2009	0.4	1.1	0.19	0.24	1.5	1.1	0.7	0.1	0.1	0	3.6	2.2	0.4	0.3	0.4	0.05	0.07				0.8	0.2	0.0013
		Average	***0.40***	***0.88***	***0.16***	***0.20***	***1.23***	***1.37***	***0.87***	***0.13***	***0.13***	***1.97***	***7.60***	***4.53***	***0.57***	***0.43***	***0.47***	***0.32***	***0.22***				***0.90***	***0.33***	***0.0016***
AVERAGE	**60 SAND**		**0.38**	**0.63**	**0.17**	**0.19**	**0.84**	**1.21**	**0.78**	**0.18**	**0.13**	**2.62**	**8.20**	**4.90**	**0.63**	**0.58**	**0.46**	**0.31**	**0.23**				**0.49**	**0.25**	**0.0009**

*Sand OW-9 sand location is an estimated on surrounding logs and drill depths.

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mg/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	TDS Balance (0.80 - 1.20) (dec. %)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
M-9	70	6/19/2008	4	5.2	175	9	5.64	2	502	0.6	8.49	317	338	1.07	93	0.25	0.05	0.1	0.002	0.1	0.1	0.005	48	0.05	0.01	0.03	0.001	11	0.01	0.001
		8/12/2008	1.11	5.24	199	1	5.36	2	501	0.6	8.17	309	319		91	0.2	0.05	0.1	0.002	0.1	0.1	0.005	48	0.05	0.01	0.03	0.001	10	0.01	0.001
		11/3/2008	3.18	5.32	194	6	5.67	2	464	0.6	8.08	324	300		89	0.2	0.05	0.1	0.001	0.1	0.1	0.005	49	0.05	0.01	0.03	0.001	13	0.02	0.001
		3/12/2009	2.06	5.26	203	1	5.48	4	499	0.5	8.19	312	305	0.98	86	0.11	0.05	0.1	0.001	0.1	0.1	0.005	45	0.05	0.01	0.03	0.001	13	0.02	0.001
		Average	**2.59**	**5.26**	**192.75**	**4.25**	**5.54**	**2.50**	**491.50**	**0.58**	**8.21**	**315.50**	**315.50**	**1.03**	**89.75**	**0.19**	**0.05**	**0.10**	**0.002**	**0.10**	**0.10**	**0.005**	**47.50**	**0.05**	**0.01**	**0.03**	**0.001**	**11.75**	**0.02**	**0.001**
M-10	70	3/28/2008	1.54	6.06	161	11	5.88	6	566	0.6	8.94	370	326	0.88	138	0.17	0.1	0.1	0.009	0.1	0.1	0.005	22	0.05	0.01	0.03	0.003	7	0.01	0.001
		7/17/2008	0.075	6.05	177	2	6.06	3	576	0.6	8.28	373	330		143	0.06	0.05	0.1	0.004	0.1	0.1	0.005	24	0.05	0.01	0.03	0.001	7	0.01	0.001
		11/11/2008	4.02	5.58	171	1	6.05	5	547	0.6	8.25	362	343		125	0.08	0.05	0.1	0.006	0.1	0.1	0.005	24	0.05	0.01	0.03	0.001	6	0.01	0.001
		3/5/2009	-4.35	5.68	172	1	5.21	4.2	550	0.6	8.39	343	312	0.91	130	0.07	0.05	0.1	0.005	0.1	0.1	0.005	18	0.05	0.01	0.03	0.001	6	0.01	0.001
		Average	***0.32***	***5.84***	***170.25***	***3.75***	***5.80***	***4.55***	***559.75***	***0.60***	***8.40***	***362.00***	***327.75***	***0.90***	***134.00***	***0.10***	***0.06***	***0.10***	***0.006***	***0.10***	***0.10***	***0.005***	***22.00***	***0.05***	***0.01***	***0.03***	***0.002***	***6.50***	***0.01***	***0.001***
M-11	70	4/16/2008	4.13	5.62	166	1	6.1	5	561	0.6	8.4	354	333	0.94	129	0.15	0.05	0.1	0.002	0.1	0.1	0.005	23	0.05	0.01	0.03	0.001	7	0.01	0.001
		7/15/2008	0.9	5.57	172	1	5.67	5	563	0.6	8.02	339	366	1.08	123	0.16	0.05	0.1	0.001	0.1	0.1	0.005	19	0.05	0.01	0.03	0.001	7	0.01	0.001
		11/7/2008	-1.63	6.16	193	1	5.96	5	524	0.6	8.37	379	349		136	0.1	0.05	0.1	0.001	0.1	0.1	0.005	19	0.05	0.01	0.03	0.001	8	0.01	0.001
		3/4/2009	-1.77	5.62	168	1	5.43	4.2	530	0.6	8.45	348	292	0.84	131	0.14	0.05	0.1	0.001	0.1	0.1	0.005	15	0.05	0.01	0.03	0.001	6	0.01	0.001
		Average	**0.41**	**5.74**	**174.75**	**1.00**	**5.79**	**4.80**	**544.50**	**0.60**	**8.27**	**355.00**	**335.00**	**0.95**	**129.75**	**0.14**	**0.05**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**19.00**	**0.05**	**0.01**	**0.03**	**0.001**	**7.00**	**0.01**	**0.001**
M-14	70	4/17/2008	1.2	6.18	240	3	6.04	5	597	0.6	7.86	357	285	0.8	96	0.21	0.05	0.1	0.001	0.1	0.1	0.005	23	0.05	0.01	0.03	0.001	8	0.02	0.001
		7/24/2008	2.33	6.17	247	2	5.89	5	602	0.7	7.99	352	370	1.05	91	0.24	0.05	0.1	0.001	0.1	0.1	0.005	23	0.05	0.01	0.03	0.001	9	0.03	0.001
		11/5/2008	5.54	6.01	242	1	6.72	1	542	0.6	8.06	374	400		95	0.2	0.05	0.1	0.001	0.1	0.1	0.005	26	0.05	0.01	0.03	0.001	10	0.03	0.001
		3/16/2009	0.27	6.07	240	1	6.1	5	572	0.6	8.19	360	316	0.88	94	0.17	0.05	0.1	0.001	0.1	0.1	0.005	22	0.05	0.01	0.03	0.001	9	0.03	0.001
		Average	**2.34**	**6.11**	**242.25**	**1.75**	**6.19**	**4.00**	**578.25**	**0.63**	**8.01**	**360.75**	**342.75**	**0.91**	**94.00**	**0.21**	**0.05**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**23.50**	**0.05**	**0.01**	**0.03**	**0.001**	**9.00**	**0.03**	**0.001**
M-15	70	3/28/2008	0.362	4.93	192	9	4.97	3	459	0.7	8.83	290	252	0.87	66	0.08	0.1	0.1	0.001	0.1	0.1	0.005	20	0.05	0.01	0.03	0.001	5	0.01	0.001
		6/30/2008	1.73	4.8	198	4	4.97	4	450	0.7	8.28	282	271	0.96	60	0.13	0.05	0.1	0.001	0.1	0.1	0.005	19	0.05	0.01	0.03	0.001	6	0.02	0.001
		7/17/2008	3.1	4.93	199	3	5.24	3	466	0.7	8.27	294	274		71	0.09	0.05	0.1	0.001	0.1	0.1	0.005	21	0.05	0.01	0.03	0.001	7	0.01	0.001
		11/13/2008	1.11	4.74	189	6	4.85	2	441	0.7	8.35	282	274		64	0.08	0.05	0.1	0.001	0.1	0.1	0.005	17	0.05	0.01	0.03	0.001	6	0.01	0.001
		3/18/2009	1.89	4.6	190	4	4.78	3	443	0.7	8.25	276	281	1.02	60	0.1	0.05	0.1	0.001	0.1	0.1	0.005	15	0.05	0.01	0.03	0.001	6	0.02	0.001
		Average	**1.64**	**4.80**	**193.6**	**5.20**	**4.96**	**3.00**	**451.80**	**0.70**	**8.29**	**284.80**	**270.40**	**0.95**	**64.20**	**0.10**	**0.06**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**18.40**	**0.05**	**0.01**	**0.03**	**0.001**	**6.00**	**0.01**	**0.001**
M-16	70	4/16/2008	7.93	5.98	189	1	7.02	5	524	0.6	8.31	384	322	0.84	130	0.19	0.05	0.1	0.002	0.1	0.1	0.005	30	0.05	0.01	0.03	0.001	11	0.03	0.001
		7/16/2008	0.742	5.48	185	1	5.56	3	532	0.6	8.19	331	331		110	0.17	0.05	0.1	0.001	0.1	0.1	0.005	21	0.05	0.01	0.03	0.001	8	0.01	0.001
		11/13/2008	-1.55	5.39	177	3	5.23	4	506	0.7	8.08	325	317		108	0.17	0.05	0.1	0.001	0.1	0.1	0.005	18	0.05	0.01	0.03	0.001	7	0.01	0.001
		3/19/2009	-0.473	5.24	177	2	5.19	4	508	0.7	8.13	319	327	1.03	103	0.16	0.05	0.1	0.001	0.1	0.1	0.005	17	0.05	0.01	0.03	0.001	7	0.02	0.001
		Average	**1.66**	**5.52**	**182**	**1.75**	**5.75**	**4.00**	**517.50**	**0.65**	**8.17**	**339.75**	**324.25**	**0.94**	**112.75**	**0.17**	**0.05**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**21.50**	**0.05**	**0.01**	**0.03**	**0.001**	**8.25**	**0.02**	**0.001**
M-18	70	6/18/2008	2.78	5.12	192	6	5.41	2	482	0.6	8.26	305	314	1.03	81	0.11	0.05	0.1	0.008	0.1	0.1	0.005	34	0.05	0.01	0.03	0.001	9	0.01	0.001
		7/23/2008	1.69	5.15	212	2	5.33	2	484	0.6	8.17	308	250		72	0.12	0.05	0.1	0.007	0.1	0.1	0.005	34	0.05	0.01	0.03	0.001	10	0.01	0.001
		11/5/2008	3.24	4.51	179	2	4.82	2	383	0.6	8.38	277	299		69	0.1	0.05	0.1	0.006	0.1	0.1	0.005	25	0.05	0.01	0.03	0.001	8	0.01	0.001
		2/24/2009			196	1	4.59	4	447	0.6	8.23	279	240	0.86	70	0.05	0.05	0.1	0.007	0.1	0.1	0.005	25	0.05	0.01	0.03	0.001	9	0.01	0.001
		Average	**2.57**	**4.93**	**194.75**	**2.75**	**5.04**	**2.50**	**449.00**	**0.60**	**8.25**	**292.25**	**275.75**	**0.95**	**73.00**	**0.10**	**0.05**	**0.10**	**0.007**	**0.10**	**0.10**	**0.005**	**29.50**	**0.05**	**0.01**	**0.03**	**0.001**	**9.00**	**0.01**	**0.001**
M-20	70	3/29/2008	0.99	6.62	222	10.00	6.49	4.00	601.00	0.60	8.76	394.00	362.00	0.92	120.00	0.19	0.10	0.10	0.012	0.10	0.10	0.005	28.00	0.05	0.01	0.03	0.001	7.00	0.03	0.001
		6/30/2008	3.14	5.59	203	1	5.95	5	544	0.7	8.22	342	335	0.98	98	0.17	0.05	0.1	0.006	0.1	0.1	0.005	21	0.05	0.01	0.03	0.001	6	0.03	0.001
		7/22/2008	3.71	5.89	210	3	5.47	3	577	0.7	8.57	342	338		106	0.14	0.05	0.1	0.006	0.1	0.1	0.005	20	0.05	0.01	0.03	0.001	6	0.02	0.001
		11/12/2008	-0.0887	6.16	219	6	6.15	3	576	0.7	8.16	371	353		109	0.11	0.05	0.1	0.005	0.1	0.1	0.005	23	0.05	0.01	0.03	0.001	8	0.03	0.001
		3/20/2009	-4.03	6.17	229	3	5.69	6	581	0.7	8.02	357	331	0.93	102	0.11	0.05	0.1	0.004	0.1	0.1	0.005	25	0.05	0.01	0.03	0.001	6	0.04	0.001
		Average	**0.74**	**6.09**	**216.6**	**4.60**	**5.95**	**4.20**	**575.80**	**0.68**	**8.20**	**361.20**	**343.80**	**0.94**	**107.00**	**0.14**	**0.06**	**0.10**	**0.007**	**0.10**	**0.10**	**0.005**	**23.40**	**0.05**	**0.01**	**0.03**	**0.001**	**6.60**	**0.03**	**0.001**
M-21	70	3/27/2008	2.22	5.16	205	9	4.93	3	459	0.7	9.01	298	270	0.91	66	0.25	0.1	0.1	0.006	0.1	0.1	0.005	12	0.05	0.01	0.03	0.001	3	0.01	0.001
		7/18/2008	0.902	4.86	199	3	4.77	3	456	0.7	8	282	250		66	0.21	0.05	0.1	0.002	0.1	0.1	0.005	10	0.05	0.01	0.03	0.001	4	0.01	0.001
		11/13/2008	1.42	4.59	199	1	4.72	2	436	0.7	8.17	274	272		59	0.18	0.05	0.1	0.003	0.1	0.1	0.005	9	0.05	0.01	0.03	0.001	4	0.01	0.001
		3/20/2009	-3.12	4.69	199	3	4.4	4	433	0.7	8.09	269	255	0.95	57	0.21	0.05	0.1	0.002	0.1	0.1	0.005	9	0.05	0.01	0.03	0.001	3	0.01	0.001
		Average	**0.36**	**4.83**	**200.5**	**4.00**	**4.71**	**3.00**	**446.00**	**0.70**	**8.19**	**280.75**	**261.75**	**0.93**	**62.00**	**0.21**	**0.06**	**0.10**	**0.003**	**0.10**	**0.10**	**0.005**	**10.00**	**0.05**	**0.01**	**0.03**	**0.001**	**3.50**	**0.01**	**0.001**
M-23	70	8/15/2008	0.607	4.76	160	9	4.82	1	456	0.6	8.88	289	282		86	0.3	0.05	0.1	0.001	0.1	0.1	0.005	12	0.05	0.01	0.03	0.001	3	0.01	0.001
		11/17/2008	-0.22	4.49	170	2	4.47	1	446	0.6	8.63	276	254	0.92	76	0.28	0.1	0.1	0.001	0.1	0.1	0.005	8	0.05	0.01	0.03	0.001	3	0.01	0.001
		2/24/2009	-2.43	4.6	172	1	4.38	1	444	0.6	8.46	277	250	0.9	84	0.17	0.05	0.1	0.001	0.1	0.1	0.005	7	0.05	0.01	0.03	0.001	4	0.01	0.001
		6/22/2009	-2.18	4.58	168	5	4.38	1	455	0.6	8.46	274	287	1.05	78	0.44	0.1	0.1	0.001	0.1	0.1	0.005	8	0.05	0.01	0.03	0.001	3	0.01	0.001
		Average	**-1.06**	**4.61**	**167.5**	**4.25**	**4.51**	**1.00**	**450.25**	**0.60**	**8.62**	**279.00**	**268.25**	**0.96**	**81.00**	**0.30**	**0.08**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**8.75**	**0.05**	**0.01**	**0.03**	**0.001**	**3.25**	**0.01**	**0.001**
LMU-1	70	12/4/2008	1.87	4.74	219	1	4.92	3	382	0.5	8.1	275	257	0.93	50	0.12	0.05	0.1	0.001	0.1	0.1	0.005	40	0.05	0.01	0.03	0.001	12	0.03	0.001
		2/10/2009	-4.72	4.81	216	1	4.38	4	325	0.5	7.92	267	274	1.03	55	0.05	0.05	0.1	0.001	0.1	0.1	0.005	34	0.05	0.01	0.03	0.001	11	0.04	0.001
		6/17/2009	-2.95	4.7	220	1	4.43	4	448	0.5	8.05	261	272	1.04	47	0.09	0.05	0.1	0.001	0.1	0.1	0.005	35	0.05	0.01	0.03	0.001	11	0.04	0.001
		8/24/2009	-2.21	4.91	222	4	4.7	4	432	0.5	8.07	273	277	1.01	48	0.1	0.1	0.1	0.001	0.1	0.1	0.005	37	0.05	0.01	0.03	0.001	12	0.05	0.001
		Average	**-2.00**	**4.79**	**219.25**	**1.75**	**4.61**	**3.75**	**396.75**	**0.50**	**8.02**	**269.00**	**270.00**	**1.00**	**50.00**	**0.09**	**0.06**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**36.50**	**0.05**	**0.01**	**0.03**	**0.001**	**11.50**	**0.04**	**0.001**
LPW-3A	70	12/18/2008	2.55	5.3	165	1	5.58	5	435	0.6	8.33	338	343	1.01	117	0.08	0.05	0.1	0.001	0.1	0.1	0.005	17	0.05	0.01	0.03	0.001	6	0.01	0.001
		3/2/2009	-0.881	5.48	170	1	5.39	4	545	0.6	8.18	339	302	0.89	123	0.13	0.05	0.1	0.001	0.1	0.1	0.005	18	0.05	0.01	0.03	0.001	7	0.01	0.001
		6/22/2009	-3.55	5.46	166	6	5.09	5	548	0.6	8.44	328	351	1.07	116	0.31	0.1	0.1	0.001	0.1	0.1	0.005	16	0.05	0.01	0.03	0.001	6	0.01	0.001

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mg/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	TDS Balance (0.80 - 1.20) (dec. %)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
		Average	-0.63	5.41	167	2.67	5.35	4.67	509.33	0.60	8.30	335.00	332.00	0.99	118.67	0.17	0.07	0.10	0.001	0.10	0.10	0.005	17.00	0.05	0.01	0.03	0.001	6.33	0.01	0.001
AVERAGE	70 SAND		0.74	5.33	193.43	3.14	5.35	3.50	497.54	0.62	8.22	319.58	305.60	0.95	93.01	0.16	0.06	0.10	0.003	0.10	0.10	0.01	23.09	0.05	0.01	0.03	0.001	7.39	0.02	0.001

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (pCi/L)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS			DIS		DIS	DIS		DIS
M-9	70	6/19/2008	0.1	0.05	12	0.001	5.6	47	0.0302	0.1	0.01	0.05	0.01	277	1.9	7.4	76.6	2.7	2.7	14.2	12	7.4	1.2	1.1	124	0.1	1.8	1
		8/12/2008	0.1	0.05	10	0.001	12	43	0.0258	0.1	0.01	0.03	0.01	284	2.1	7.8	77.2	2.6	2.6	12.2	9.9	6.1	0.5	0.9	141	0.24	2.6	1.6
		11/3/2008	0.1	0.05	8	0.001	12	46	0.0249	0.1	0.01	0.04	0.02	355	1.6	8.1	148	3	3.6	5.2	5.1	3.1	0.4	0.4	134	0.21	2.4	1.1
		3/12/2009	0.1	0.05	7	0.001	11.6	45	0.0146	0.1	0.01	0.04	0.02	220	1.8	6.9	84.8	2.7	2.8	12.2	5.6	3.4	0.4	0.6	71	0.2	1.7	1.1
		Average	**0.10**	**0.05**	**9.25**	**0.001**	**10.30**	**45.25**	**0.0239**	**0.10**	**0.01**	**0.04**	**0.02**	**284.00**	**1.85**	**7.55**	**96.65**	**2.75**	**2.93**	**10.95**	**8.15**	**5.00**	**0.63**	**0.75**	**117.50**	**0.19**	**2.13**	**1.20**
M-10	70	3/28/2008	0.1	0.05	6	0.001	8.3	93	0.0076	0.1	0.01	0.15	0.01	30.4	1.8	2.7	12.2	2.7	1.8	0.2		0.3	0.9	1	2.3	0.1	0.2	1.8
		7/17/2008	0.1	0.05	5	0.001	11.9	95	0.0062	0.1	0.01	0.03	0.01	34.6	1.7	2.9	11.3	3	2	2.1	9.1	5.4	0.4	0.6	5.2	0.3	0.6	1
		11/11/2008	0.1	0.05	5	0.001	12.1	96	0.0050	0.1	0.01	0.03	0.01	18.3	1.4	2	6.6	2.6	1.7	0	4.7	2.8	0	0.3	3.3	0.22	0.37	2.2
		3/5/2009	0.1	0.05	5	0.001	7.8	86	0.0055	0.1	0.01	0.03	0.01	28.6	1.7	2.6	11.6	2.7	1.8	4.3	3.2	2	0	0.2	3.1	0.18	0.33	0.6
		Average	**0.10**	**0.05**	**5.25**	**0.001**	**10.03**	**92.50**	**0.0061**	**0.10**	**0.01**	**0.06**	**0.01**	**27.98**	**1.65**	**2.55**	**10.43**	**2.75**	**1.83**	**1.65**	**5.67**	**2.63**	**0.33**	**0.53**	**3.48**	**0.20**	**0.38**	**1.40**
M-11	70	4/16/2008	0.1	0.05	5	0.001	5	97	0.0123	0.1	0.01	0.03	0.01	356	1.7		147	3.8		20.6			3.2		144	0.2		0.8
		7/15/2008	0.1	0.05	5	0.001	4.4	93	0.0075	0.1	0.01	0.03	0.01	457	1.7	9.8	133	2.7	3.3	24	9.1	5.8	3	1.9	145	0.2	2.3	0.2
		11/7/2008	0.1	0.05	5	0.001	10.9	98	0.0093	0.1	0.01	0.03	0.01	465	1.9	10	168	2.9	3.7	76.7	5	4.1	3	1.3	152	0.21	2.5	2.1
		3/4/2009	0.1	0.05	5	0.001	7.5	93	0.0074	0.1	0.01	0.04	0.01	643	1.7	11.4	218	2.7	4	40.2	3.2	2.3	1.8	0.9	148	0.08	1.7	1.3
		Average	**0.10**	**0.05**	**5.00**	**0.001**	**6.95**	**95.25**	**0.0091**	**0.10**	**0.01**	**0.03**	**0.01**	**480.25**	**1.75**	**10.40**	**166.50**	**3.03**	**3.67**	**40.38**	**5.77**	**4.07**	**2.75**	**1.37**	**147.25**	**0.17**	**2.17**	**1.10**
M-14	70	4/17/2008	0.1	0.05	5	0.001	4.7	94	0.0010	0.1	0.01	0.03	0.03	180	1.7		71.2	3.1		20.7			2.9		61.6	0.22		0.05
		7/24/2008	0.1	0.05	5	0.001	9.6	89	0.0177	0.1	0.01	0.03	0.03	182	1.8	6.2	44.6	3.2	2.6	2.3	15.1	9	1.1	1	60	0.2	1.6	0.8
		11/5/2008	0.1	0.05	6	0.001	10.8	103	0.0178	0.1	0.01	0.03	0.03	301	1.6	7.6	128	3	3.4	10.4	5.9	3.7	0.4	0.4	65	0.22	1.7	0.5
		3/16/2009	0.1	0.05	5	0.001	8.8	95	0.0168	0.1	0.01	0.03	0.03	392	2.4	10	109	2.7	3	23.2	8.6	5.4	0.3	0.4	63	0.19	1.6	0
		Average	**0.10**	**0.05**	**5.25**	**0.001**	**8.48**	**95.25**	**0.0133**	**0.10**	**0.01**	**0.03**	**0.03**	**263.75**	**1.88**	**7.93**	**88.20**	**3.00**	**3.00**	**14.15**	**9.87**	**6.03**	**1.18**	**0.60**	**62.40**	**0.21**	**1.63**	**0.34**
M-15	70	3/28/2008	0.1	0.05	6	0.001	7.6	78	0.0003	0.1	0.01	0.1	0.01	44	2.1	3.2	18.7	2.6	1.9	0		0.8	0	0.7	11	0.1	0.5	1
		6/30/2008	0.1	0.05	6	0.001	4.7	78	0.0048	0.1	0.01	0.03	0.02	34	1.7	2.6	12.7	3.3	2.2	1.4	8.4	5	0	0.5	14.3	0.3	1	0.5
		7/17/2008	0.1	0.05	5	0.001	11	81	0.0047	0.1	0.01	0.04	0.02	41.3	1.5	2.9	11.9	2.9	2	3	9.1	5.5	0.8	0.9	14.5	0.3	0.9	0.3
		11/13/2008	0.1	0.05	5	0.001	8.3	77	0.0041	0.1	0.01	0.03	0.01	47.2	1.7	3.2	16.7	2.5	1.8	2.8	4	2.4	0.3	0.4	9.3	0.48	1.1	0
		3/18/2009	0.1	0.05	5	0.001	8.5	78	0.0039	0.1	0.01	0.03	0.02	62.2	2	3.9	16.9	2.6	1.9	1.6	4.1	2.4	0.2	0.3	12	0.18	0.73	0.7
		Average	**0.10**	**0.05**	**5.40**	**0.001**	**8.02**	**78.40**	**0.0036**	**0.10**	**0.01**	**0.05**	**0.02**	**45.74**	**1.80**	**3.16**	**15.38**	**2.78**	**1.96**	**1.76**	**6.40**	**3.22**	**0.26**	**0.56**	**12.22**	**0.27**	**0.85**	**0.50**
M-16	70	4/16/2008	0.1	0.05	6	0.001	4.9	103	0.0217	0.1	0.01	0.12	0.02	13	1.5		6.9	3.1		0			0.5		3.9	0.22		0.7
		7/16/2008	0.1	0.05	5	0.001	10.3	86	0.0008	0.1	0.01	0.03	0.02	18.9	1.6	2.1	2	2.9	1.8	2.1	9.1	5.4	0.4	0.8	4.6	0.3	0.5	0.3
		11/13/2008	0.1	0.05	5	0.001	8	83	0.0006	0.1	0.02	0.03	0.02	4.3	1.8	1.4	4.1	2.5	1.6	0.6	4	2.4	0	0.3	0.57	0.48	0.38	0
		3/19/2009	0.1	0.05	4	0.001	8	84	0.0007	0.1	0.01	0.03	0.02	3.7	2.1	1.6	3.4	2.6	1.6	0.4	4.1	2.4	0	0.2	0.8	0.2	0.22	0.8
		Average	**0.10**	**0.05**	**5.00**	**0.001**	**7.80**	**89.00**	**0.0060**	**0.10**	**0.01**	**0.05**	**0.02**	**9.98**	**1.75**	**1.70**	**4.10**	**2.78**	**1.67**	**0.78**	**5.73**	**3.40**	**0.23**	**0.43**	**2.47**	**0.30**	**0.37**	**0.45**
M-18	70	6/18/2008	0.1	0.05	7	0.001	5.2	64	0.0605	0.1	0.01	0.03	0.01	448	1.8	9.2	145	2.7	3.4	44.2	12	7.9	2.3	1.4	263	0.1	2.9	2.6
		7/23/2008	0.1	0.05	6	0.001	11.7	62	0.0448	0.1	0.01	0.03	0.01	405	1.7	8.5	108	2.7	3	12.4	13	7.9	2.7	1.4	210	0.8	7.5	1.5
		11/5/2008	0.1	0.05	7	0.001	10.8	63	0.1210	0.1	0.02	0.03	0.01	819	1.4	11.6	385	2.9	5.3	26.3	5.4	3.6	0.8	0.4	278	0.21	3.4	1.7
		2/24/2009	0.1	0.05	6	0.001	9.1	57	0.0594	0.1	0.03	0.03	0.02	735	1.5	11.7	212	2.5	3.8	20.5	2.8	1.9	1.9	0.9	262	0.17	3.1	1.7
		Average	**0.10**	**0.05**	**6.50**	**0.001**	**9.20**	**61.50**	**0.0714**	**0.10**	**0.02**	**0.03**	**0.01**	**601.75**	**1.60**	**10.25**	**212.50**	**2.70**	**3.88**	**25.85**	**8.30**	**5.33**	**1.93**	**1.03**	**253.25**	**0.32**	**4.23**	**1.88**
M-20	70	3/29/2008	0.10	0.05	8.00	0.001	8.60	98.00	0.0393	0.10	0.01	0.23	0.03	415.00	2.40	10.00	121.00	2.60	3.10	0.00		1.60	1.80	1.20	76.20	0.10	1.30	1.40
		6/30/2008	0.1	0.05	8	0.001	4.8	96	0.0247	0.1	0.01	0.03	0.03	199	1.8	6.3	62.7	3.4	2.9	6.9	8.4	5.1	0	1.2	64.5	0.3	2.3	0.2
		7/22/2008	0.1	0.05	7	0.001	8.9	87	0.0258	0.1	0.01	0.03	0.03	331	1.6	8.4	93	2.8	2.9	5.8	13	7.8	0.5	0.8	71	0.25	2.5	0
		11/12/2008	0.1	0.05	8	0.001	8.2	96	0.0301	0.1	0.01	0.03	0.04	409	1.9	9.5	99.9	2.5	2.8	6.8	4	2.5	0.5	0.4	70	0.46	3	1.3
		3/20/2009	0.1	0.05	6	0.001	7.4	87	0.0242	0.1	0.01	0.05	0.04	514	2.3	11.4	144	2.7	3.4	6.4	2.7	1.7	0.07	0.3	75	0.19	1.7	1.5
		Average	**0.10**	**0.05**	**7.40**	**0.001**	**7.58**	**92.80**	**0.0288**	**0.10**	**0.01**	**0.07**	**0.03**	**373.60**	**2.00**	**9.12**	**104.12**	**2.80**	**3.02**	**5.18**	**7.03**	**3.74**	**0.57**	**0.78**	**71.34**	**0.26**	**2.16**	**0.88**
M-21	70	3/27/2008	0.1	0.05	4	0.001	8	91	0.0109	0.1	0.01	0.03	0.01	43.3	2.1	3.2	12.5	2.6	1.8	0		1.3	2	1.2	3.6	0.1	0.3	0.08
		7/18/2008	0.1	0.05	4	0.001	10.1	88	0.0076	0.1	0.01	0.1	0.01	30.9	1.5	2.6	8.4	2.9	1.9	1.5	9.1	5.4	0.2	0.7	3.7	0.2	0.4	1.6
		11/13/2008	0.1	0.05	4	0.001	7.6	88	0.0069	0.1	0.01	0.03	0.01	36.7	1.7	2.8	8.9	2.5	1.7	3	4	2.4	0.2	0.4	3.4	0.68	0.88	0
		3/20/2009	0.1	0.05	3	0.001	7.1	83	0.0069	0.1	0.01	0.13	0.01	43.9	2	3.3	12.8	2.6	1.8	3.1	2.7	1.6	0.8	0.6	3.3	0.18	0.36	0.03
		Average	**0.10**	**0.05**	**3.75**	**0.001**	**8.20**	**87.50**	**0.0081**	**0.10**	**0.01**	**0.07**	**0.01**	**38.70**	**1.83**	**2.98**	**10.65**	**2.65**	**1.80**	**1.90**	**5.27**	**2.68**	**0.80**	**0.73**	**3.50**	**0.29**	**0.49**	**0.43**
M-23	70	8/15/2008	0.1	0.05	5	0.001	9.5	89	0.0014	0.1	0.01	0.03	0.01	12.1	1.9	1.9	7.5	2.5	1.7	3.4	9.9	5.9	0	0.4	2.3	0.26	0.37	0.9
		11/17/2008	0.1	0.05	4	0.001	10.3	85	0.0008	0.1	0.01	0.03	0.01	10.1	1.3	1.5	4.5	2.6	1.6	0	4.4	2.6	0	0.3	0.99	0.41	0.36	0
		2/24/2009	0.1	0.05	3	0.001	7.8	83	0.0005	0.1	0.01	0.03	0.01	5.4	1.5	1.3	4.7	2.5	1.6	0	2.8	1.6	0.1	0.3	0.9	0.17	0.21	1
		6/22/2009	0.1	0.05	3	0.001	7.7	83	0.0005	0.1	0.01	0.03	0.01	4.8	1.8	1.4	3.7	2.7	1.7	1.4	2.6	1.6	0.3	0.4	1.1	0.19	0.23	1.7
		Average	**0.10**	**0.05**	**3.75**	**0.001**	**8.83**	**85.00**	**0.0008**	**0.10**	**0.01**	**0.03**	**0.01**	**8.10**	**1.63**	**1.53**	**5.10**	**2.58**	**1.65**	**1.20**	**4.93**	**2.93**	**0.10**	**0.35**	**1.32**	**0.26**	**0.29**	**0.90**
LMU-1	70	12/4/2008	0.1	0.05	7	0.001	11.2	41	0.0009	0.1	0.01	0.15	0.04	1.8	1.6	1.1	6.2	2.7	1.7	0	4.1	2.4	0.1	0.3	1.1	0.08	0.17	0.7
		2/10/2009	0.1	0.05	7	0.001	9.3	36	0.0003	0.1	0.01	0.13	0.05	0.8	1.6	1	7.3	2.7	1.7	2.2	7.9	4.8	0.05	0.2	0.88	0.19	0.22	0.2
		6/17/2009	0.1	0.05	7	0.001	9.9	37	0.0003	0.1	0.01	0.12	0.04	0.2	2.6	1.6	5.3	2.7	1.7	0.1	2.8	1.7	0	0.2	0.8	0.27	0.26	0.4
		8/24/2009	0.1	0.05	7	0.001	9.8	39	0.0003	0.1	0.01	0.16	0.05	1.2	2	1.3	3.4	2.9	1.8	0	2.6	1.5	0	0.3	0.8	0.17	0.19	0.7
		Average	**0.10**	**0.05**	**7.00**	**0.001**	**10.05**	**38.25**	**0.0005**	**0.10**	**0.01**	**0.14**	**0.05**	**1.00**	**1.95**	**1.25**	**5.55**	**2.75**	**1.73**	**0.58**	**4.35**	**2.60**	**0.04**	**0.25**	**0.90**	**0.18**	**0.21**	**0.50**
LPW-3A	70	12/18/2008	0.1	0.05	4	0.001	9.9	94	0.0082	0.1	0.01	0.03	0.01	196	1.7	6.5	73.8	2.7	2.6	17	4	2.6	2.1	1.8	32	0.17	1.1	0.4
		3/2/2009	0.1	0.05	4	0.001	9	87	0.0058	0.1	0.02	0.03	0.01	175	2	6.1	57.9	2.8	2.5	41	3.8	2.7	0.6	0.4	34	0.14	1	0.1
		6/22/2009	0.1	0.05	4	0.001	7.8	84	0.0067	0.1	0.01	0.03	0.01	194	1.9	6.3	76.6	2.7	2.7	25.8	2.6	1.8	1.7	0.8	44	0.18	1.3	1.2

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (pCi/L)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS			DIS		DIS	DIS		DIS
		Average	0.10	0.05	4.00	0.001	8.90	88.33	0.0069	0.10	0.01	0.03	0.01	188.33	1.87	6.30	69.43	2.73	2.60	27.93	3.47	2.37	1.47	1.00	36.67	0.16	1.13	0.57
AVERAGE	70 SAND		0.10	0.05	5.63	0.001	8.69	79.09	0.01	0.10	0.01	0.05	0.02	193.60	1.80	5.39	65.72	2.77	2.48	11.02	6.24	3.66	0.86	0.70	59.36	0.23	1.33	0.84

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L)
			DIS		DIS		SUS			SUS		SUS	SUS					SUS		SUS
M-9	70	6/19/2008	1.2	0.7	0	0.08	14.2	20.6	12.6	1.3	0.8	0.8	0.5	0.4	NOT ANALYZED			0.4	0.3	0.0003
		8/12/2008	1.2	0.8	0	0.09	0.2	9.9	5.9	0.6	0.6	2.9	0.5	0.7				0	0.9	0.0003
		11/3/2008	1.1	0.7	0	0.07	3.5	8	4.8	0.3	0.5	0.7	0.4	0.3				0.2	0.3	0.0003
		3/12/2009	1.2	0.8	0.03	0.08	6.1	4.1	2.5	0.5	0.4	1.4	0.3	0.4				0.07	0.2	0.0003
		Average	**1.18**	**0.75**	**0.01**	**0.08**	**6.00**	**10.65**	**6.45**	**0.68**	**0.58**	**1.45**	**0.43**	**0.45**				**0.17**	**0.43**	**0.0003**
M-10	70	3/28/2008	1.1	0.8	0	0.1	0		19.7	6.4	6.4	1	3	1.9	NOT ANALYZED			0.3	1.2	0.0011
		7/17/2008	1.1	0.7	0	0.09	0	11.8	7	0	0.2	0	0.6	0.2				0	0.2	0.0003
		11/11/2008	1.3	0.9	0	0.06	0.1	9.8	5.9	0.1	0.4	0	0.4	0.2				0	0.3	0.0003
		3/5/2009	0.9	0.6	0.03	0.1	5	4.7	2.8	0.02	0.2	0	0.4	0.2				0.3	0.2	0.0003
		Average	**1.10**	**0.75**	**0.01**	**0.09**	**1.28**	**8.77**	**8.85**	**1.63**	**1.80**	**0.25**	**1.10**	**0.63**				**0.15**	**0.48**	**0.0005**
M-11	70	4/16/2008	1		0		0			0.6		1	0.4		NOT ANALYZED			0.1		0.0003
		7/15/2008	1.1	0.7	0.1	0.1	0	23.3	13.8	0.1	0.3	0	0.7	0.4				0	0.2	0.0003
		11/7/2008	1.2	0.8	0.1	0.1	0.5	8.2	4.9	0.2	0.4	0.6	0.3	0.3				0	0.05	0.0003
		3/4/2009	1	0.6	0.01	0.2	8.2	4.7	2.9	0.5	0.5	0.07	0.4	0.2				0	0.2	0.0003
		Average	**1.08**	**0.70**	**0.05**	**0.13**	**2.18**	**12.07**	**7.20**	**0.35**	**0.40**	**0.42**	**0.45**	**0.30**				**0.03**	**0.15**	**0.0003**
M-14	70	4/17/2008	1		0		0			0.1		0.3	0.4		NOT ANALYZED			0.1		0.0003
		7/24/2008	1	0.7	0	0.1	4.8	25	14.9	0.1	0.3	0.007	0.6	0.3				0.4	0.2	0.0003
		11/5/2008	1.1	0.7	0.1	0.2	0	8.4	5	0.1	0.3	0.4	0.3	0.3				0.2	0.05	0.0003
		3/16/2009	1.4	0.8	0.04	0.1	4.3	3.1	1.9	0.3	0.3	0.2	0.1	0.1				0	0.1	0.0003
		Average	**1.13**	**0.73**	**0.04**	**0.13**	**2.28**	**12.17**	**7.27**	**0.15**	**0.30**	**0.23**	**0.35**	**0.23**				**0.18**	**0.12**	**0.0003**
M-15	70	3/28/2008	1.1	0.7	0.1	0.1	0		18.5	13.8	8.5	3.4	3	2.3	NOT ANALYZED			4.7	2.9	0.0105
		6/30/2008	1.3	0.8	0	0.04	2.4	7.6	4.5	0.2	0.3	0	0.5	0.2				0.1	0.1	0.0003
		7/17/2008	1.1	0.7	0.1	0.1	0	11.8	6.9	0.2	0.4	0	0.5	0.2				0	0.2	0.0003
		11/13/2008	3.5	2.1	0	0.07	3.2	9.9	5.9	0.2	0.3	0.09	0.5	0.3				0	0.2	0.0003
		3/18/2009	1.2	0.7	0.05	0.08	0	3.1	1.9	0	0.1	0	0.1	0.07				0.07	0.1	0.0003
		Average	***1.64***	***1.00***	***0.05***	***0.08***	***1.12***	***8.10***	***7.54***	***2.88***	***1.92***	***0.70***	***0.92***	***0.61***				***0.97***	***0.70***	***0.0023***
M-16	70	4/16/2008	1		0		0			0.6		0.1	0.4		NOT ANALYZED			0		0.0004
		7/16/2008	1.1	0.6	0	0.07	0	11.8	7	0	0.4	0	0.5	0.2				0	0.07	0.0003
		11/13/2008	3.5	2.1	0.1	0.08	0.3	9.7	5.8	0	0.2	0.07	0.4	0.2				0.1	0.2	0.0003
		3/19/2009	1.3	0.8	0.05	0.08	0	3.2	1.9	0.05	0.2	0	0.1	0.05				0	0.1	0.0003
		Average	***1.73***	***1.17***	***0.04***	***0.08***	***0.08***	***8.23***	***4.90***	***0.16***	***0.27***	***0.04***	***0.35***	***0.15***				***0.03***	***0.12***	***0.0003***
M-18	70	6/18/2008	1.2	0.8	0.1	0.1	0.5	21.5	12.8	0.5	0.5	0.5	0.5	0.4	NOT ANALYZED			0	0.2	0.0003
		7/23/2008	1.2	0.8	0.1	0.1	0	12.6	7.5	0.9	0.6	0.5	0.6	0.5				0.2	0.2	0.0003
		11/5/2008	1.1	0.7	0.3	0.1	0	8.5	5	0.5	0.5	0.7	0.4	0.3				0	0.05	0.0003
		2/24/2009	1.2	0.8	0.09	0.1	12.6	6.4	3.9	0.4	0.3	1.3	0.2	0.2				0.009	0.1	0.0003
		Average	**1.18**	**0.78**	**0.15**	**0.10**	**3.28**	**12.25**	**7.30**	**0.58**	**0.48**	**0.75**	**0.43**	**0.35**				**0.05**	**0.14**	**0.0003**
M-20	70	3/29/2008	1.10	0.70	0.00	0.10	0.00		16.50	10.50	6.60	3.10	3.00	2.30	NOT ANALYZED			3.90	2.70	0.0107
		6/30/2008	1.3	0.8	0	0.05	4	7.5	4.5	0.9	0.6	0	0.5	0.2				0.1	0.1	0.0004
		7/22/2008	1.3	0.8	0.1	0.1	0	25.8	15.2	0	0.3	0	0.6	0.3				0.2	0.2	0.0003
		11/12/2008	3.5	2.1	0.1	0.09	1.5	9.8	5.8	0.4	0.5	0	0.4	0.2				0	0.3	0.0003
		3/20/2009	1.5	0.9	0	0.05	2.2	5	3	0.1	0.3	1.2	0.2	0.3				0.2	0.2	0.0003
		Average	**1.74**	**1.06**	**0.04**	**0.08**	**1.54**	**12.03**	**9.00**	**2.38**	**1.66**	**0.86**	**0.94**	**0.66**				**0.88**	**0.70**	**0.0024**
M-21	70	3/27/2008	1.1	0.7	0.7	0.3	0		4.8	9.6	4.2	2.2	1	0.9	NOT ANALYZED			1	1	0.0029
		7/18/2008	1.5	0.9	0	0.09	0	12.4	7.4	0.5	0.5	0	0.6	0.2				0	0.2	0.0003
		11/13/2008	5.2	3	0	0.09	2.8	8.1	4.9	1	1.6	0	0.5	0.2				0.2	0.2	0.0003
		3/20/2009	1.3	0.8	0.08	0.1	4.5	5	3.1	0.3	0.3	0.3	0.2	0.1				0	0.2	0.0003
		Average	**2.28**	**1.35**	**0.20**	**0.15**	**1.83**	**8.50**	**5.05**	**2.85**	**1.65**	**0.63**	**0.58**	**0.35**				**0.30**	**0.40**	**0.0010**
M-23	70	8/15/2008	1.2	0.7	0	0.1	4.5	9.8	6	0.1	0.3	0.9	0.5	0.4	NOT ANALYZED			0	0.1	0.0003
		11/17/2008	2.3	1.3	0	0.1	0	8.2	4.7	2.6	2.3	0	0.5	0.2				0	0.2	0.0003
		2/24/2009	1.2	0.8	0.006	0.08	3.4	6.7	4.1	0.1	0.3	0	0.2	0.1				0.2	0.2	0.0003
		6/22/2009	1.1	0.7	0.07	0.1	1.6	3.6	2.2	0.04	0.1	0.002	0.05	0.03						
		Average	**1.45**	**0.88**	**0.02**	**0.10**	**2.38**	**7.08**	**4.25**	**0.71**	**0.75**	**0.23**	**0.31**	**0.18**				**0.07**	**0.17**	**0.0003**
LMU-1	70	12/4/2008	1.1	0.7	0.2	0.3	0	9.9	5.9	0	0.3	0	0.5	0.2	NOT ANALYZED			0	0.05	0.0003
		2/10/2009	1.2	0.7	0.006	0.1	0	6.2	3.7	0	0.1	0	0.4	0.2				0	0.2	0.0003
		6/17/2009	*1.4*	*0.9*	*0*	*0.06*	*0*	*3.4*	*2*	*0*	*0.1*	*0.05*	*0.2*	*0.1*				*0*	*0.2*	*0.0003*
		8/24/2009	1.1	0.7	0	0.1	0.8	3.4	2	0.04	0.1	0.03	0.2	0.1				0	0.09	0.0003
		Average	**1.20**	**0.75**	**0.05**	**0.14**	**0.20**	**5.73**	**3.40**	**0.01**	**0.15**	**0.02**	**0.33**	**0.15**				**0.00**	**0.14**	**0.0003**
LPW-3A	70	12/18/2008	1.3	0.8	0	0.1	17.8	8.9	5.6	1.6	0.7	0	0.4	0.2	NOT ANALYZED			0	0.1	0.0003
		3/2/2009	1.1	0.6	0.001	0.07	2.7	4.1	2.5	0.7	0.5	0.2	0.2	0.2				0.04	0.2	0.0003
		6/22/2009	1	0.7	0	0.05	2.1	3.6	2.2	0.3	0.3	0	0.05	0.03				0	0.04	0.0003

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L)
			DIS		DIS		SUS			SUS		SUS	SUS					SUS		SUS
		Average	**1.13**	**0.70**	**0.00**	**0.07**	**7.53**	**5.53**	**3.43**	**0.87**	**0.50**	**0.07**	**0.22**	**0.14**				**0.01**	**0.11**	**0.0003**
AVERAGE	**70 SAND**		**1.40**	**0.88**	**0.05**	**0.10**	**2.47**	**9.26**	**6.22**	**1.10**	**0.87**	**0.47**	**0.53**	**0.35**				**0.24**	**0.30**	**0.0007**

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mg/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	TDS Balance (0.80 - 1.20) (dec. %)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
M-5	80	4/30/2008	0.306	4.84	187	9	4.87	2	473	0.5	8.71	283	300	1.06	67	0.28	0.05	0.1	0.001	0.1	0.1	0.005	21	0.05	0.01	0.03	0.001
		7/14/2008	2.58	4.8	209	1	5.05	1	468	0.5	7.95	280	303	1.08	64	0.27	0.05	0.1	0.001	0.1	0.1	0.005	20	0.05	0.01	0.03	0.001
		11/7/2008	2.77	4.71	197	1	4.97	1	404	0.5	8.35	292	286		69	0.3	0.05	0.1	0.001	0.1	0.1	0.005	19	0.05	0.01	0.03	0.001
		3/5/2009	-3.95	4.75	202	1	4.39	1.4	424	0.5	8.44	274	230	0.84	66	0.25	0.05	0.1	0.001	0.1	0.1	0.005	15	0.05	0.01	0.03	0.001
		Average	**0.43**	**4.78**	**198.75**	**3.00**	**4.82**	**1.35**	**442.25**	**0.50**	**8.27**	**282.25**	**279.75**	**0.99**	**66.50**	**0.28**	**0.05**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**18.75**	**0.05**	**0.01**	**0.03**	**0.001**
M-8	80	5/5/2008	0.692	4.97	161	3	5.04	2	476	0.6	8.6	296	316	1.07	105	0.05	0.05	0.1	0.001	0.1	0.1	0.005	50	0.05	0.01	0.03	0.001
		8/12/2008	4.59	5.15	184	1	5.65	1	506	0.4	7.98	313	323		101	0.1	0.05	0.1	0.007	0.1	0.1	0.005	62	0.05	0.01	0.03	0.001
		11/18/2008	1.33	5.37	192	1	5.51	2	467	0.4	8.1	325	322	0.99	103	0.05	0.05	0.1	0.004	0.1	0.1	0.005	58	0.05	0.01	0.03	0.001
		2/12/2009	-4.93	5.33	193	1	4.83	2	399	0.4	7.93	306	320	1.05	101	0.05	0.05	0.1	0.004	0.1	0.1	0.005	48	0.05	0.01	0.03	0.001
		Average	**0.42**	**5.21**	**182.5**	**1.50**	**5.26**	**1.75**	**462.00**	**0.45**	**8.09**	**310.00**	**320.25**	**1.04**	**102.50**	**0.06**	**0.05**	**0.10**	**0.004**	**0.10**	**0.10**	**0.005**	**54.50**	**0.05**	**0.01**	**0.03**	**0.001**
M-12	80	4/18/2008	1.2	5.02	158	12	4.9	3	490	0.6	8.92	302	316	1.05	91	0.22	0.05	0.1	0.001	0.1	0.1	0.005	15	0.05	0.01	0.03	0.001
		7/18/2008	0.128	5.28	172	5	5.26	1	498	0.6	8.44	321	279		108	0.16	0.05	0.1	0.001	0.1	0.1	0.005	16	0.05	0.01	0.03	0.001
		11/17/2008	5	4.78	174	1	5.28	3	473	0.7	8.54	304	274		85	0.15	0.1	0.1	0.001	0.1	0.1	0.005	14	0.05	0.01	0.03	0.001
		3/30/2009	0.457	4.5	150	8	4.54	1	437	0.7	8.75	277	265	0.96	82	0.16	0.05	0.1	0.002	0.1	0.1	0.005	10	0.05	0.01	0.03	0.001
		Average	**1.70**	**4.90**	**163.5**	**6.50**	**5.00**	**2.00**	**474.50**	**0.65**	**8.62**	**301.00**	**283.50**	**1.01**	**91.50**	**0.17**	**0.06**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**13.75**	**0.05**	**0.01**	**0.03**	**0.001**
M-17	80	4/18/2008	3.14	4.97	184	1	5.29	3	478	0.7	8.14	305	283	0.93	88	0.07	0.05	0.1	0.004	0.1	0.1	0.005	16	0.05	0.01	0.05	0.001
		7/15/2008	1.23	4.9	188	1	5.02	2	486	0.7	7.74	290	308	1.06	84	0.06	0.05	0.1	0.005	0.1	0.1	0.005	15	0.05	0.01	0.03	0.001
		11/11/2008	6.23	4.85	183	1	5.5	3	469	0.7	7.91	311	287		84	0.06	0.05	0.1	0.005	0.1	0.1	0.005	18	0.05	0.01	0.03	0.001
		3/30/2009	-1.93	4.96	185	4	4.78	2	529	0.7	7.96	294	303	1.03	82	0.11	0.05	0.1	0.005	0.1	0.1	0.005	14	0.05	0.01	0.03	0.001
		Average	**2.17**	**4.92**	**185**	**1.75**	**5.15**	**2.50**	**490.50**	**0.70**	**7.91**	**300.00**	**295.25**	**1.01**	**84.50**	**0.08**	**0.05**	**0.10**	**0.005**	**0.10**	**0.10**	**0.005**	**15.75**	**0.05**	**0.01**	**0.04**	**0.001**
M-19	80	6/20/2008	1.15	6.72	230	7	6.88	5	632	0.5	8.6	406	404	1	124	0.2	0.05	0.1	0.008	0.1	0.1	0.005	32	0.05	0.01	0.03	0.001
		7/22/2008	0.761	6.6	228	6	6.5	4	630	0.5	8.6	390	378		121	0.61	0.05	0.1	0.006	0.1	0.1	0.005	32	0.05	0.01	0.03	0.001
		11/13/2008	-7.9	6.25	215	1	5.34	4	594	0.6	8.39	363	367		125	0.18	0.05	0.1	0.006	0.1	0.1	0.005	27	0.05	0.01	0.03	0.001
		3/20/2009	-1.23	6.24	212	6	6.09	4	592	0.6	8.37	375	348	0.93	115	0.2	0.05	0.1	0.007	0.1	0.1	0.005	28	0.05	0.01	0.03	0.001
		Average	**-1.80**	**6.45**	**221.25**	**5.00**	**6.20**	**4.25**	**612.00**	**0.55**	**8.48**	**383.50**	**374.25**	**0.97**	**121.25**	**0.30**	**0.05**	**0.10**	**0.007**	**0.10**	**0.10**	**0.005**	**29.75**	**0.05**	**0.01**	**0.03**	**0.001**
M-26	80	4/21/2008	2.23	5.99	201	1	6.26	2	531	0.4	8.4	358	335	0.94	125	0.09	0.05	0.1	0.006	0.1	0.1	0.005	52	0.05	0.01	0.03	0.001
		7/28/2008	2.9	5.74	209	1	6.08	2	547	0.4	7.93	340	318		106	0.08	0.05	0.1	0.005	0.1	0.1	0.005	49	0.05	0.01	0.03	0.001
		11/10/2008	2.2	5.62	196	2	5.87	1	479	0.4	7.82	340	326		109	0.1	0.05	0.1	0.004	0.1	0.1	0.005	47	0.05	0.01	0.03	0.001
		3/16/2009	-1.62	5.66	206	1	5.48	2	529	0.4	7.98	331	308	0.93	106	0.06	0.05	0.1	0.003	0.1	0.1	0.005	42	0.05	0.01	0.03	0.001
		Average	**1.43**	**5.75**	**203**	**1.25**	**5.92**	**1.75**	**521.50**	**0.40**	**7.99**	**342.25**	**321.75**	**0.94**	**111.50**	**0.08**	**0.05**	**0.10**	**0.005**	**0.10**	**0.10**	**0.005**	**47.50**	**0.05**	**0.01**	**0.03**	**0.001**
OW-1	80	8/18/2008	2.34	7.18	234	1	7.53	9	677	0.3	7.67	432	405		148	0.5	0.05	0.1	0.002	0.1	0.1	0.005	40	0.05	0.01	0.03	0.001
		11/14/2008	5.83	7.03	235	1	7.9	9	681	0.3	7.85	438	396	0.9	140	0.59	0.1	0.1	0.002	0.1	0.1	0.005	43	0.05	0.01	0.03	0.001
		3/18/2009	6.29	7.24	236	1	8.21	9	685	0.3	7.74	451	425	0.94	150	0.5	0.05	0.1	0.001	0.1	0.1	0.005	46	0.05	0.01	0.03	0.006
		6/24/2009	-2.64	7.09	242	1	6.73	8	672	0.3	7.7	413	433	1.05	138	0.8	0.1	0.1	0.001	0.1	0.1	0.005	35	0.05	0.01	0.03	0.001
		Average	**2.96**	**7.14**	**236.75**	**1.00**	**7.59**	**8.75**	**678.75**	**0.30**	**7.73**	**433.50**	**414.75**	**0.96**	**144.00**	**0.60**	**0.08**	**0.10**	**0.002**	**0.10**	**0.10**	**0.005**	**41.00**	**0.05**	**0.01**	**0.03**	**0.002**
LMU-3	80	12/22/2008	4.84	5.08	170	13	5.6	4	401	0.6	9.17	329	334	1.02	82	0.13	0.05	0.1	0.025	0.1	0.1	0.005	16	0.05	0.01	0.03	0.001
		3/18/2009	1.08	5.15	187	7	5.26	4	509	0.6	8.51	317	319	1.01	84	0.15	0.05	0.1	0.011	0.1	0.1	0.005	14	0.05	0.01	0.03	0.001
		6/18/2009	-2.19	5.26	203	5	5.04	4	508	0.5	8.32	313	321	1.03	78	0.11	0.05	0.1	0.009	0.1	0.1	0.005	13	0.05	0.01	0.03	0.001
		Average	**1.24**	**5.16**	**186.67**	**8.33**	**5.30**	**4.00**	**472.67**	**0.57**	**8.55**	**319.67**	**324.67**	**1.02**	**81.33**	**0.13**	**0.05**	**0.10**	**0.015**	**0.10**	**0.10**	**0.005**	**14.33**	**0.05**	**0.01**	**0.03**	**0.001**
LPW-1	80	12/4/2008	1.3	5.91	212	1	6.07	4	481	0.5	7.89	352	333	0.95	110	0.05	0.05	0.1	0.001	0.1	0.1	0.005	68	0.05	0.01	0.03	0.001
		2/10/2009	-3.48	5.8	208	1	5.41	4	435	0.5	7.72	334	349	1.04	108	0.05	0.05	0.1	0.001	0.1	0.1	0.005	58	0.05	0.01	0.03	0.001
		6/17/2009	-2.82	5.75	213	1	5.44	4	541	0.5	7.76	331	357	1.08	103	0.05	0.05	0.1	0.001	0.1	0.1	0.005	61	0.05	0.01	0.03	0.001
		8/24/2009	-2.68	5.89	225	1	5.58	4	522	0.5	7.85	336	358	1.07	100	0.05	0.1	0.1	0.001	0.1	0.1	0.005	62	0.05	0.01	0.03	0.001
		Average	**-1.92**	**5.84**	**214.5**	**1.00**	**5.63**	**4.00**	**494.75**	**0.50**	**7.78**	**338.25**	**349.25**	**1.04**	**105.25**	**0.05**	**0.06**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**62.25**	**0.05**	**0.01**	**0.03**	**0.001**
AVERAGE	**80 SAND**		**0.73**	**5.57**	**199.10**	**3.26**	**5.65**	**3.37**	**516.55**	**0.51**	**8.05**	**334.49**	**329.27**	**1.00**	**100.93**	**0.19**	**0.06**	**0.10**	**0.00**	**0.10**	**0.10**	**0.01**	**33.06**	**0.05**	**0.01**	**0.03**	**0.00**

*Sand OW-1 sand location is an estimated on surrounding logs and drill depths.

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (pCi/L)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS			DIS
M-5	80	4/30/2008	5	0.01	0.001	0.1	0.05	5	0.001	6.1	76	0.0003	0.1	0.01	0.03	0.01	1.5	1.4		2.7	2.7		0			0
		7/14/2008	7	0.01	0.001	0.1	0.05	5	0.001	6.2	77	0.0003	0.1	0.01	0.03	0.01	3.2	1.6	1.2	3.8	2.7	1.7	1.2	9.1	5.4	0.7
		11/7/2008	7	0.01	0.001	0.1	0.05	5	0.001	14.6	77	0.0003	0.1	0.01	0.03	0.01	2	1.7	1.2	1.7	2.8	1.7	0	5.9	3.5	0
		3/5/2009	6	0.02	0.001	0.1	0.05	4	0.001	9.3	70	0.0003	0.1	0.01	0.03	0.02	2.2	1.6	1.1	3.1	2.7	1.7	3.8	3.2	2	0.06
		Average	**6.25**	**0.01**	**0.001**	**0.10**	**0.05**	**4.75**	**0.001**	**9.05**	**75.00**	**0.0003**	**0.10**	**0.01**	**0.03**	**0.01**	**2.23**	**1.58**	**1.17**	**2.83**	**2.73**	**1.70**	**1.25**	**6.07**	**3.63**	**0.19**
M-8	80	5/5/2008	13	0.01	0.001	0.1	0.05	11	0.003	6.4	28	0.0623	0.1	0.01	0.03	0.01	121	1.8		45.3	2.7		0			0.5
		8/12/2008	13	0.01	0.001	0.1	0.05	9	0.001	12.8	27	0.0406	0.1	0.01	0.03	0.01	113	2.1	5	33.8	2.6	2.1	15.3	9.9	6.1	0.9
		11/18/2008	15	0.01	0.001	0.1	0.05	9	0.001	13	27	0.0401	0.1	0.01	0.03	0.01	109	1.6	4.9	50.2	2.8	2.4	8.2	4.7	2.9	0.7
		2/12/2009	14	0.01	0.001	0.1	0.05	7	0.001	9.3	25	0.0359	0.1	0.02	0.03	0.02	118	1.7	4.9	45.5	2.7	2.3	22	7.9	5	0.3
		Average	**13.75**	**0.01**	**0.001**	**0.10**	**0.05**	**9.00**	**0.002**	**10.38**	**26.75**	**0.0447**	**0.10**	**0.01**	**0.03**	**0.01**	**115.25**	**1.80**	**4.93**	**43.70**	**2.70**	**2.27**	**11.38**	**7.50**	**4.67**	**0.60**
M-12	80	4/18/2008	5	0.02	0.001	0.1	0.05	6	0.001	8.4	82	0.0062	0.1	0.01	0.03	0.02	425	1.4		138	2.4		58.1			1.1
		7/18/2008	6	0.02	0.001	0.1	0.05	5	0.001	10.9	89	0.0047	0.1	0.01	0.03	0.02	593	1.6	10.8	284	2.9	4.6	42.6	9.1	6	2.4
		11/17/2008	5	0.02	0.001	0.1	0.05	5	0.001	10	92	0.0049	0.1	0.01	0.04	0.02	838	1.3	12.3	337	2.6	4.7	76.1	4.4	3.6	2.2
		3/30/2009	4	0.01	0.001	0.1	0.05	5	0.001	8	83	0.0058	0.1	0.01	0.03	0.01	436	1.7	8.7	182	2.7	3.7	70.8	2.8	2.4	2.1
		Average	**5.00**	**0.02**	**0.001**	**0.10**	**0.05**	**5.25**	**0.001**	**9.33**	**86.50**	**0.0054**	**0.10**	**0.01**	**0.03**	**0.02**	**573.00**	**1.50**	**10.60**	**235.25**	**2.65**	**4.33**	**61.90**	**5.43**	**4.00**	**1.95**
M-17	80	4/18/2008	7	0.03	0.001	0.1	0.05	4	0.001	8.1	87	0.0046	0.1	0.01	0.11	0.02	52.3	1.4		18.6	2.4		0.7			0.6
		7/15/2008	6	0.02	0.001	0.1	0.05	4	0.001	4.4	84	0.0053	0.1	0.01	0.05	0.02	52.9	1.6	3.3	16.9	2.7	1.9	8.3	9.1	5.5	0.9
		11/11/2008	7	0.02	0.001	0.1	0.05	4	0.001	11.6	90	0.0069	0.1	0.01	0.06	0.02	49.5	1.5	3.2	16.7	2.6	1.9	0	9.4	5.6	0.1
		3/30/2009	6	0.02	0.001	0.1	0.05	4	0.001	8.3	81	0.0072	0.1	0.01	0.07	0.02	40.6	2	3.1	14.1	3.4	2.2	4.1	2.7	1.7	0.1
		Average	**6.50**	**0.02**	**0.001**	**0.10**	**0.05**	**4.00**	**0.001**	**8.10**	**85.50**	**0.0060**	**0.10**	**0.01**	**0.07**	**0.02**	**48.83**	**1.63**	**3.20**	**16.58**	**2.78**	**2.00**	**3.28**	**7.07**	**4.27**	**0.43**
M-19	80	6/20/2008	7	0.02	0.001	0.1	0.05	11	0.001	5.2	101	0.0230	0.1	0.01	0.05	0.02	381	1.8	9.3	99.3	2.7	2.9	7.7	12	7.3	7.8
		7/22/2008	8	0.02	0.001	0.1	0.05	9	0.001	11.1	92	0.0204	0.1	0.01	0.03	0.02	378	1.7	9.3	125	2.8	3.3	13.7	13	8	3.1
		11/13/2008	7	0.01	0.001	0.1	0.05	10	0.001	8.8	73	0.0205	0.1	0.01	0.03	0.02	463	2	10.2	131	2.5	3.1	13.7	4	2.6	0.6
		3/20/2009	6	0.02	0.001	0.1	0.05	9	0.001	8.1	91	0.0200	0.1	0.01	0.03	0.02	666	2.4	13.1	195	2.7	3.8	7.4	2.7	1.7	0.7
		Average	**7.00**	**0.02**	**0.001**	**0.10**	**0.05**	**9.75**	**0.001**	**8.30**	**89.25**	**0.0210**	**0.10**	**0.01**	**0.04**	**0.02**	**472.00**	**1.98**	**10.48**	**137.58**	**2.68**	**3.28**	**10.63**	**7.93**	**4.90**	**3.05**
M-26	80	4/21/2008	15	0.03	0.001	0.1	0.05	9	0.003	5	50	0.0137	0.1	0.01	0.1	0.03	38.8	1.8		10.6	2.7		0			0.2
		7/28/2008	16	0.03	0.001	0.1	0.05	8	0.001	10.4	49	0.0121	0.1	0.01	0.21	0.02	39.8	1.8	3	13.7	3.2	2.1	0	15.1	8.9	0
		11/10/2008	16	0.02	0.001	0.1	0.05	7	0.001	10.7	46	0.0102	0.1	0.01	0.07	0.03	37.9	1.9	3.1	17.1	2.9	2	1.2	10.7	6.4	0.1
		3/16/2009	14	0.03	0.001	0.1	0.05	7	0.001	8.3	48	0.0099	0.1	0.01	0.08	0.03	32.2	2.3	3.2	11.4	2.7	1.8	8.6	13.8	8.3	0.03
		Average	**15.25**	**0.03**	**0.001**	**0.10**	**0.05**	**7.75**	**0.002**	**8.60**	**48.25**	**0.0115**	**0.10**	**0.01**	**0.12**	**0.03**	**37.18**	**1.95**	**3.10**	**13.20**	**2.88**	**1.97**	**2.45**	**13.20**	**7.87**	**0.08**
OW-1	80	8/18/2008	18	0.08	0.001	0.1	0.05	7	0.001	10.4	89	0.0103	0.1	0.01	0.26	0.09	176	2.5	6.8	64.3	2.9	2.7	4.1	9.9	6	0.1
		11/14/2008	19	0.08	0.001	0.1	0.05	7	0.001	10.9	90	0.0099	0.1	0.01	0.28	0.08	228	1.7	7.4	80.9	3	2.9	6	8	4.9	0.1
		3/18/2009	22	0.07	0.001	0.1	0.05	6	0.001	8.8	91	0.0096	0.1	0.07	0.27	0.07	258	2.7	8.8	81.9	3	3	8.3	4.1	2.5	0.1
		6/24/2009	15	0.08	0.001	0.1	0.05	6	0.001	8.3	80	0.0100	0.1	0.01	0.33	0.08	141	2.4	6	48.4	2.9	2.5	2.9	2.6	1.6	0.4
		Average	**18.50**	**0.08**	**0.001**	**0.10**	**0.05**	**6.50**	**0.001**	**9.60**	**87.50**	**0.0100**	**0.10**	**0.03**	**0.29**	**0.08**	**200.75**	**2.33**	**7.25**	**68.88**	**2.95**	**2.78**	**5.33**	**6.15**	**3.75**	**0.18**
LMU-3	80	12/22/2008	2	0.01	0.001	0.1	0.05	7	0.001	14.4	102	0.0111	0.1	0.01	0.03	0.01	18.6	1.6	2.1	8.2	2.7	1.7	2.7	4	2.4	0.1
		3/18/2009	2	0.01	0.001	0.1	0.05	6	0.001	9.1	98	0.0090	0.1	0.01	0.03	0.01	22.9	2.1	2.6	5.6	2.6	1.7	0	4.1	2.4	0
		6/18/2009	3	0.01	0.001	0.1	0.05	5	0.001	9.8	92	0.0095	0.1	0.01	0.03	0.01	27.6	1.6	2.4	9.9	2.6	1.8	1	2.8	1.7	0.3
		Average	**2.33**	**0.01**	**0.001**	**0.10**	**0.05**	**6.00**	**0.001**	**11.10**	**97.33**	**0.0099**	**0.10**	**0.01**	**0.03**	**0.01**	**23.03**	**1.77**	**2.37**	**7.90**	**2.63**	**1.73**	**1.23**	**3.63**	**2.17**	**0.13**
LPW-1	80	12/4/2008	17	0.03	0.001	0.1	0.05	7	0.001	12.4	25	0.0066	0.1	0.01	0.21	0.03	60.4	1.8	3.8	24.1	2.7	2	0	4.1	2.4	0
		2/10/2009	16	0.03	0.001	0.1	0.05	8	0.001	10.5	23	0.0065	0.1	0.01	0.22	0.04	28.9	1.8	2.6	12.9	2.7	1.8	0.7	7.9	4.7	0.5
		6/17/2009	15	0.03	0.001	0.1	0.05	7	0.001	10.8	23	0.0058	0.1	0.01	0.18	0.04	31.3	2.9	3.3	10.8	2.7	1.8	0	6.3	3.7	0.4
		8/24/2009	15	0.04	0.001	0.1	0.05	7	0.001	10.3	24	0.0058	0.1	0.01	0.2	0.04	22.5	2.2	2.6	18.2	2.9	2	0	2.6	1.6	0
		Average	**15.75**	**0.03**	**0.001**	**0.10**	**0.05**	**7.25**	**0.001**	**11.00**	**23.75**	**0.0062**	**0.10**	**0.01**	**0.20**	**0.04**	**35.78**	**2.18**	**3.08**	**16.50**	**2.75**	**1.90**	**0.18**	**5.23**	**3.10**	**0.23**
AVERAGE	**80 SAND**		**10.04**	**0.03**	**0.00**	**0.10**	**0.05**	**6.69**	**0.00**	**9.49**	**68.87**	**0.01**	**0.10**	**0.01**	**0.09**	**0.03**	**167.56**	**1.85**	**5.13**	**60.27**	**2.75**	**2.44**	**10.85**	**6.91**	**4.26**	**0.76**

*Sand OW-1 sand location is an estimated on surrounding logs and drill depths.

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L)	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L)	Radium 226 MDC (pCi/L)	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L)
				DIS	DIS		DIS	DIS		DIS		SUS			SUS		SUS	SUS					SUS		SUS
M-5	80	4/30/2008		0.28	0.19		0.3	0.8		0		0			0		0.7	0.3		NOT ANALYZED			0.9		0.0003
		7/14/2008	1.1	1.1	0.18	0.22	0.07	1.1	0.7	0	0.09	0	23.4	13.9	0.3	0.3	0	0.6	0.3				0.1	0.1	0.0003
		11/7/2008	0.2	0.33	0.22	0.17	2	1.2	0.8	0	0.06	0	8.6	5.1	0.2	0.4	0.2	0.3	0.2				0	0.03	0.0003
		3/5/2009	0.2	1.3	0.08	0.17	1	1	0.6	0.2	0.1	2.2	4.8	2.9	0	0.1	0	0.4	0.2				0.04	0.2	0.0003
		Average	**0.50**	**0.75**	**0.17**	**0.19**	**0.84**	**1.03**	**0.70**	**0.05**	**0.08**	**0.55**	**12.27**	**7.30**	**0.13**	**0.27**	**0.23**	**0.40**	**0.23**				**0.26**	**0.11**	**0.0003**
M-8	80	5/5/2008		25.3	0.2		1.3	1		0		0			0.5		0.4	0.3		NOT ANALYZED			0.1		0.0003
		8/12/2008	1	33	0.27	1.3	0.2	1.2	0.7	0.1	0.1	1	9.8	5.9	0	0.3	0.9	0.5	0.4				0.2	0.2	0.0003
		11/18/2008	0.8	37	0.29	1.4	1.8	1	0.7	0	0.08	0	8.4	5	1.9	1.9	0	0.4	0.2				0.1	0.2	0.0003
		2/12/2009	0.4	29	0.18	1.1	1.2	1.1	0.7	0.06	0.1	0.2	6.1	3.6	0.1	0.3	0	0.4	0.2				0.02	0.2	0.0003
		Average	**0.73**	**31.08**	**0.24**	**1.27**	**1.13**	**1.08**	**0.70**	**0.04**	**0.09**	**0.30**	**8.10**	**4.83**	**0.63**	**0.83**	**0.33**	**0.40**	**0.27**				**0.11**	**0.20**	**0.0003**
M-12	80	4/18/2008		167	0.22		0.5	1		0.2		41.5			1.5		2	0.3					0.2		0.0003
		7/18/2008	1.6	138	0.19	2.3	1.3	1.5	0.9	0.1	0.1	17	12.4	7.7	2.4	1.1	0.6	0.6	0.4				0.1	0.2	0.0003
		11/17/2008	0.9	157	0.46	3.7	0	2.3	1.3	0	0.1	1.2	8.3	4.9	1.1	1.6	0.3	0.4	0.3				0.1	0.2	0.0003
		3/30/2009	0.9	175	0.2	2.8	1	1	0.6	0.01	0.06	6.9	5.6	3.4	0.9	0.5	8.9	0.3	0.8				0	0.1	0.0003
		Average	**1.13**	**159.25**	**0.27**	**2.93**	**0.70**	**1.45**	**0.93**	**0.08**	**0.09**	**16.65**	**8.77**	**5.33**	**1.48**	**1.07**	**2.95**	**0.40**	**0.50**				**0.10**	**0.17**	**0.0003**
M-17	80	4/18/2008		12.4	0.21		0.04	1		0		0			1		0.6	0.3					0.1		0.0003
		7/15/2008	1.3	12	0.2	0.66	0.3	1.1	0.7	0	0.1	0	23.5	13.8	0	0.2	0	0.7	0.3				0	0.1	0.0003
		11/11/2008	0.3	12	0.21	0.68	0.6	1.2	0.8	0	0.09	0	9.8	5.8	0	0.3	0	0.3	0.1				0	0.4	0.0003
		3/30/2009	0.3	14	0.2	0.8	0.7	1	0.6	0	0.05	0	5.6	3.3	0.1	0.3	0	0.3	0.2				0	0.1	0.0003
		Average	**0.63**	**12.60**	**0.21**	**0.71**	**0.41**	**1.08**	**0.70**	**0.00**	**0.08**	**0.00**	**12.97**	**7.63**	**0.28**	**0.27**	**0.15**	**0.40**	**0.20**				**0.03**	**0.20**	**0.0003**
M-19	80	6/20/2008	3.1	125	0.2	2.3	1	1.1	0.7	0	0.2	5.3	15.4	9.3	0.9	0.6	1	0.6	0.5	0	2.6	1.5	0.2	0.2	0.0003
		7/22/2008	1.8	106	0.34	3.8	0.04	1.3	0.8	0	0.09	9.3	24.2	14.6	0.6	0.7	0	0.6	0.2				0	0.2	0.0003
		11/13/2008	0.5	95	0.45	3.4	1.7	3.5	2.1	0.2	0.2	5.5	8.2	5	1.4	1.6	0.02	0.4	0.3		NOT ANALYZED		0	0.2	0.0003
		3/20/2009	0.6	104	0.18	1.9	1	1.3	0.8	0	0.09	2.2	5	3	0.1	0.3	0.7	0.2	0.2				0.06	0.2	0.0003
		Average	**1.50**	**107.50**	**0.29**	**2.85**	**0.94**	**1.80**	**1.10**	**0.05**	**0.15**	**5.58**	**13.20**	**7.98**	**0.75**	**0.80**	**0.43**	**0.45**	**0.30**	**0.00**	**2.60**	**1.50**	**0.07**	**0.20**	**0.0003**
M-26	80	4/21/2008		4.8	0.37		0.4	1.9		0		0			0.5		0.6	0.4					0.2		0.0003
		7/28/2008	0.6	3.7	0.26	0.46	1.3	0.9	0.6	0	0.1	0	12.6	7.4	0.1	0.3	0	0.7	0.3				0	0.2	0.0003
		11/10/2008	0.3	3.5	0.2	0.37	0.4	1.1	0.7	0.1	0.08	0	8.2	4.8	0.2	0.6	0.3	0.3	0.2		NOT ANALYZED		0.2	0.05	0.0003
		3/16/2009	0.3	2.5	0.2	0.34	0.4	1.5	0.9	0.02	0.1	0	3.1	1.8	0.05	0.2	0	0.1	0.06				0	0.08	0.0003
		Average	**0.40**	**3.63**	**0.26**	**0.39**	**0.63**	**1.35**	**0.73**	**0.03**	**0.09**	**0.00**	**7.97**	**4.67**	**0.21**	**0.37**	**0.23**	**0.38**	**0.19**				**0.10**	**0.11**	**0.0003**
OW-1	80	8/18/2008	0.4	51	0.34	1.8	0.9	1.2	0.7	0	0.1	5.6	10	6.1	0.2	0.3	1.6	0.5	0.6				0.1	0.2	0.0003
		11/14/2008	0.3	41	0.18	1.2	0.7	1.2	0.8	0	0.1	0	8.3	4.9	0.3	1.3	0	0.4	0.2		NOT ANALYZED		0.1	0.2	0.0003
		3/18/2009	0.3	49	0.22	1.8	1.2	1.2	0.8	0.07	0.1	2.9	4.1	2.5	0.1	0.3	1	0.2	0.2				0	0.1	0.0003
		6/24/2009	0.4	46	0.19	1.4	1.8	1.1	0.7	0.09	0.1	2.3	3.6	2.1	1.2	0.5	1.6	0.05	0.1				0	0.06	0.0003
		Average	**0.35**	**46.75**	**0.23**	**1.55**	**1.15**	**1.18**	**0.75**	**0.04**	**0.10**	**2.70**	**6.50**	**3.90**	**0.45**	**0.60**	**1.05**	**0.29**	**0.28**				**0.05**	**0.14**	**0.0003**
LMU-3	80	12/22/2008	0.3	0.43	0.17	0.16	0.2	1.3	0.8	0	0.1	0	8.9	5.3	0	0.2	1.5	0.4	0.4				0	0.2	0.0003
		3/18/2009	0.2	0.49	0.2	0.19	0	1.3	0.8	0.02	0.09	0.4	3.2	1.9	0.02	0.1	0.2	0.1	0.1		NOT ANALYZED		0	0.1	0.0003
		6/18/2009	0.4	0.29	0.18	0.15	0.7	1.1	0.7	0.07	0.09	0	3.4	2	0	0.1	0	0.2	0.1				0.1	0.2	0.0003
		Average	**0.30**	**0.40**	**0.18**	**0.17**	**0.30**	**1.23**	**0.77**	**0.03**	**0.09**	**0.13**	**5.17**	**3.07**	**0.01**	**0.13**	**0.57**	**0.23**	**0.20**				**0.03**	**0.17**	**0.0003**
LPW-1	80	12/4/2008	0.2	11	0.08	0.53	1.2	1.2	0.7	0.1	0.1	1.2	9.9	5.9	0	0.2	1	0.5	0.4				0	0.05	0.0003
		2/10/2009	0.5	12	0.19	0.74	0.9	1.2	0.7	0.05	0.1	3	6.2	3.8	0.08	0.2	0	0.4	0.2		NOT ANALYZED		0.05	0.4	0.0003
		6/17/2009	0.5	14	0.26	0.85	1	1.4	0.8	0.05	0.09	0	3.4	2	0	0.1	0.007	0.2	0.1				0.1	0.2	0.0003
		8/24/2009	0.2	12	0.18	0.67	1	1.1	0.7	0.04	0.08	0	3.4	2	0.06	0.2	0	0.2	0.09				0.04	0.1	0.0003
		Average	**0.35**	**12.25**	**0.18**	**0.70**	**1.03**	**1.23**	**0.73**	**0.06**	**0.09**	**1.05**	**5.73**	**3.43**	**0.04**	**0.18**	**0.25**	**0.33**	**0.20**				**0.05**	**0.19**	**0.0003**
AVERAGE	**80 SAND**		**0.66**	**41.58**	**0.22**	**1.19**	**0.79**	**1.27**	**0.79**	**0.04**	**0.10**	**3.00**	**8.96**	**5.35**	**0.44**	**0.50**	**0.69**	**0.36**	**0.26**	**0.00**	**2.60**	**1.50**	**0.09**	**0.16**	**0.00**

*Sand OW-1 sand location is an estimated on surrounding logs and drill depths.

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mq/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	TDS Balance (0.80 - 1.20) (dec. %)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
M-2	90	4/24/2008	3.86	5.53	205	1	5.98	3	525	0.2	8.32	333	329	0.99	100	0.05	0.05	0.1	0.001	0.1	0.1	0.005	62
		7/29/2008	2.99	5.08	169	1	5.39	2	503	0.3	8.16	314	303		108	0.05	0.05	0.1	0.003	0.1	0.1	0.005	46
		11/6/2008	-2.1	5.47	176	6	5.24	1	469	0.3	8.17	334	316		112	0.1	0.05	0.1	0.002	0.1	0.1	0.005	43
		3/17/2009	-2.05	5.44	187	1	5.22	3	512	0.3	8.14	326	287	0.88	109	0.05	0.05	0.1	0.002	0.1	0.1	0.005	47
		Average	**0.68**	**5.38**	**184.25**	**2.25**	**5.46**	**2.25**	**502.25**	**0.28**	**8.19**	**326.75**	**308.75**	**0.94**	**107.25**	**0.06**	**0.05**	**0.10**	**0.002**	**0.10**	**0.10**	**0.005**	**49.50**
M-3	90	4/28/2008	4.12	7.05	158	14	6.49	1	595	0.2	8.83	422	410	0.97	190	0.05	0.05	0.2	0.001	0.1	0.1	0.005	71
		7/30/2008	2.45	7.38	170	1	7.75	1	691	0.3	7.65	467	452		220	0.05	0.05	0.1	0.001	0.1	0.1	0.005	93
		11/6/2008	2.96	7.47	171	1	7.93	1	671	0.3	7.55	488	476		223	0.1	0.05	0.1	0.001	0.1	0.1	0.005	96
		3/17/2009	-3.11	7.44	168	1	6.99	1	690	0.3	7.85	465	430	0.92	223	0.05	0.05	0.1	0.001	0.1	0.1	0.005	81
		Average	**1.61**	**7.34**	**166.75**	**4.25**	**7.29**	**1.00**	**661.75**	**0.28**	**7.78**	**460.50**	**442.00**	**0.95**	**214.00**	**0.06**	**0.05**	**0.13**	**0.001**	**0.10**	**0.10**	**0.005**	**85.25**
M-4	90	4/29/2008	1.03	5.34	145	9	5.45	3	497	0.2	8.75	327	321	0.98	124	0.05	0.05	0.1	0.001	0.1	0.1	0.005	40
		7/30/2008	2.73	5.36	180	1	5.66	2	522	0.2	8.35	328	306		112	0.05	0.05	0.1	0.001	0.1	0.1	0.005	46
		11/6/2008	4.09	5.36	171	6	5.82	1	473	0.2	8.23	339	316		110	0.1	0.05	0.1	0.001	0.1	0.1	0.005	47
		3/17/2009	-0.571	5.33	179	1	5.27	3	508	0.2	8.17	325	272	0.84	111	0.05	0.05	0.1	0.001	0.1	0.1	0.005	37
		Average	**1.82**	**5.35**	**168.75**	**4.25**	**5.55**	**2.25**	**500.00**	**0.20**	**8.33**	**329.75**	**303.75**	**0.91**	**114.25**	**0.06**	**0.05**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**42.50**
M-24	90	3/30/2008	0.105	7.7	191	11	7.72	6	731	0.5	8.82	481	462	0.96	192	0.32	0.1	0.1	0.002	0.1	0.1	0.005	25
		7/23/2008	-5.76	9.02	200	4	8.03	5	742	0.5	8.18	556	297		261	0.42	0.05	0.1	0.001	0.1	0.1	0.005	23
		11/18/2008	2.68	7.41	200	1	7.81	5	704	0.5	8.26	476	446	0.94	190	0.41	0.05	0.1	0.001	0.1	0.1	0.005	20
		3/20/2009	-3.17	7.46	205	1	7	6	733	0.5	8.07	456	428	0.94	187	0.4	0.05	0.1	0.001	0.1	0.1	0.005	20
		Average	**-1.54**	**7.90**	**199**	**4.25**	**7.64**	**5.50**	**727.50**	**0.50**	**8.16**	**492.25**	**408.25**	**0.95**	**207.50**	**0.39**	**0.06**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**22.00**
LPW-2	90	12/5/2008	0.0389	8.69	182	1	8.7	1	723	0.4	7.89	544	525		274	0.05	0.05	0.1	0.001	0.1	0.1	0.005	100
		2/11/2009	-4.39	8.28	184	1	7.58	1	709	0.4	7.72	501	532	1.06	251	0.05	0.05	0.1	0.001	0.1	0.1	0.005	83
		6/17/2009	-2	8.29	183	1	7.97	2	758	0.5	7.67	508	515	1.01	251	0.05	0.05	0.1	0.001	0.1	0.1	0.005	92
		8/24/2009	-1.88	8.1	190	1	7.8	1	747	0.4	7.84	492	548	1.08	237	0.1	0.1	0.1	0.001	0.1	0.1	0.005	88
		Average	**-2.06**	**8.34**	**184.75**	**1.00**	**8.01**	**1.25**	**734.25**	**0.43**	**7.75**	**511.25**	**530.00**	**1.05**	**253.25**	**0.06**	**0.06**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**90.75**
LPW-4	90	12/22/2008	1.78	16.5	351	1	17.1	14	1550	0.3	8.05	1050	1040	0.99	496	0.16	0.05	0.1	0.001	0.1	0.1	0.005	95
		3/18/2009	1.65	16.5	357	1	17.1	15	1510	0.3	7.83	1030	1030	1.00	494	0.15	0.05	0.1	0.001	0.1	0.1	0.005	90
		6/18/2009	-1.21	16.4	359	1	16	14	1470	0.3	7.85	1010	1000	0.99	484	0.12	0.05	0.1	0.001	0.1	0.1	0.005	90
		Average	**0.74**	**16.47**	**355.7**	**1.00**	**16.73**	**14.33**	**1510.00**	**0.30**	**7.90**	**1030.00**	**1023.33**	**0.99**	**491.33**	**0.14**	**0.05**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**91.67**
AVERAGE	**90 SAND**		**0.21**	**8.46**	**209.86**	**2.83**	**8.45**	**4.43**	**772.63**	**0.33**	**7.97**	**525.08**	**502.68**	**0.96**	**231.26**	**0.13**	**0.05**	**0.10**	**0.001**	**0.10**	**0.10**	**0.01**	**63.61**

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (*oCi/L*)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (*oCi/L*)	Lead 210 (pCi/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS
M-2	90	4/24/2008	0.05	0.32	0.04	1.070	12	0.02	0.001	0.1	0.06	9	0.001	7.7	38	0.0131	0.1	7.87	0.06	0.01	26.1	1.6		11.2	2.5		0
		7/29/2008	0.05	0.01	0.03	0.001	12	0.01	0.001	0.1	0.05	13	0.001	15.8	42	0.0020	0.1	0.01	0.05	0.01	10.9	1.6	1.7	14.8	3.2	2.2	0
		11/6/2008	0.05	0.01	0.03	0.001	12	0.02	0.001	0.1	0.05	10	0.001	16.5	42	0.0008	0.1	0.01	0.06	0.02	10.2	1.7	1.7	11	2.9	1.9	0
		3/17/2009	0.05	0.01	0.03	0.001	12	0.02	0.001	0.1	0.05	8	0.001	12.5	39	0.0008	0.1	0.01	0.06	0.02	2.9	2.3	1.6	8.1	2.7	1.7	0
		Average	**0.05**	**0.09**	**0.03**	**0.268**	**12.00**	**0.02**	**0.001**	**0.10**	**0.05**	**10.00**	**0.001**	**13.13**	**40.25**	**0.0042**	**0.10**	**1.98**	**0.06**	**0.02**	**12.53**	**1.80**	**1.67**	**11.28**	**2.83**	**1.93**	**0.00**
M-3	90	4/28/2008	0.05	0.01	0.13	0.001	13	0.01	0.001	0.1	0.05	10	0.001	8	36	0.0123	0.1	0.01	0.24	0.04	20.4	1.7		10.8	2.5		0
		7/30/2008	0.05	0.01	0.03	0.001	17	0.08	0.001	0.1	0.05	9	0.001	18.7	33	0.0049	0.1	0.01	0.03	0.1	28.5	2.6	3.1	34	3.1	2.4	0
		11/6/2008	0.05	0.01	0.03	0.001	18	0.1	0.001	0.1	0.05	8	0.001	19.8	33	0.0048	0.1	0.01	0.03	0.11	27.4	1.8	2.6	10.8	2.8	1.9	0
		3/17/2009	0.05	0.01	0.03	0.001	16	0.1	0.001	0.1	0.05	8	0.001	15.7	34	0.0047	0.1	0.01	0.03	0.1	22.9	2.8	3.1	11.1	3	2	1
		Average	**0.05**	**0.01**	**0.06**	**0.001**	**16.00**	**0.07**	**0.001**	**0.10**	**0.05**	**8.75**	**0.001**	**15.55**	**34.00**	**0.0067**	**0.10**	**0.01**	**0.08**	**0.09**	**24.80**	**2.23**	**2.93**	**16.68**	**2.85**	**2.10**	**0.25**
M-4	90	4/29/2008	0.05	0.01	0.03	0.001	11	0.01	0.001	0.1	0.05	7	0.001	6.6	55	0.0335	0.1	0.01	0.03	0.01	63.7	1.5		22.8	2.5		0
		7/30/2008	0.05	0.01	0.03	0.001	10	0.01	0.001	0.1	0.05	7	0.001	13.9	54	0.0266	0.1	0.01	0.03	0.01	76.1	2.2	4.3	15.3	2.8	1.9	0
		11/6/2008	0.05	0.01	0.03	0.001	12	0.01	0.001	0.1	0.05	7	0.001	14.5	52	0.0242	0.1	0.01	0.03	0.01	75.6	1.5	3.6	23.8	2.8	2.1	0.6
		3/17/2009	0.05	0.01	0.03	0.001	11	0.01	0.001	0.1	0.05	7	0.001	11.5	54	0.0228	0.1	0.01	0.03	0.01	99	2.2	5	28.7	2.7	2.1	5.3
		Average	**0.05**	**0.01**	**0.03**	**0.001**	**11.00**	**0.01**	**0.001**	**0.10**	**0.05**	**7.00**	**0.001**	**11.63**	**53.75**	**0.0268**	**0.10**	**0.01**	**0.03**	**0.01**	**78.60**	**1.85**	**4.30**	**22.65**	**2.70**	**2.03**	**1.48**
M-24	90	3/30/2008	0.05	0.01	0.03	0.001	7	0.01	0.001	0.1	0.05	6	0.001	7.7	130	0.0574	0.1	0.01	0.03	0.01	435	2.7	10.8	126	2.7	3.2	0
		7/23/2008	0.05	0.01	0.03	0.001	10	0.01	0.001	0.1	0.05	5	0.001	10.6	136	0.0190	0.1	0.01	0.03	0.01	296	2.1	8.4	88.5	3	3	10.2
		11/18/2008	0.05	0.01	0.03	0.001	10	0.02	0.001	0.1	0.05	5	0.001	9.9	135	0.0177	0.1	0.01	0.03	0.02	387	2	10.2	110	3.2	3.3	18.4
		3/20/2009	*0.05*	*0.01*	*0.03*	*0.001*	8	*0.02*	*0.001*	*0.1*	*0.05*	4	*0.001*	7.1	119	*0.0136*	*0.1*	*0.01*	*0.03*	*0.02*	658	2.7	14	171	2.7	3.6	17.5
		Average	**0.05**	**0.01**	**0.03**	**0.001**	**8.75**	**0.02**	**0.001**	**0.10**	**0.05**	**5.00**	**0.001**	**8.83**	**130.00**	**0.0269**	**0.10**	**0.01**	**0.03**	**0.02**	**444.00**	**2.38**	**10.85**	**123.88**	**2.90**	**3.28**	**11.53**
LPW-2	90	12/5/2008	*0.05*	*0.01*	*0.03*	*0.001*	24	*0.04*	*0.001*	*0.1*	*0.05*	*10*	*0.001*	9.3	35	*0.0099*	*0.1*	*0.01*	*0.27*	*0.04*	46.7	2.3	3.9	18.9	3.1	2.1	*0*
		2/11/2009	0.05	0.01	0.03	0.001	21	0.04	0.001	0.1	0.05	10	0.001	7.8	32	0.0111	0.1	0.01	0.4	0.05	29.7	2.2	3	13	3	2	0.4
		6/17/2009	0.05	0.01	0.03	0.001	22	0.04	0.001	0.1	0.05	9	0.001	9.2	30	0.0103	0.1	0.01	0.33	0.05	42.6	3.5	4.3	12.5	3.2	2.1	0.4
		8/24/2009	*0.05*	0.01	*0.04*	0.001	22	*0.05*	0.001	0.1	*0.05*	8	*0.001*	8	32	*0.0104*	*0.1*	*0.01*	0.38	*0.05*	33.4	2.6	3.3	12.9	3.4	2.3	0.1
		Average	**0.05**	**0.01**	**0.03**	**0.001**	**22.25**	**0.04**	**0.001**	**0.10**	**0.05**	**9.25**	**0.001**	**8.58**	**32.25**	**0.0104**	**0.10**	**0.01**	**0.35**	**0.05**	**38.10**	**2.65**	**3.63**	**14.33**	**3.18**	**2.13**	**0.23**
LPW-4	90	12/22/2008	0.05	0.01	0.03	0.001	37	0.09	0.001	0.1	0.05	10	0.001	9.5	208	0.1000	0.1	0.01	0.25	0.1	679	4.4	19.4	188	5.5	5.8	19.5
		3/18/2009	0.05	0.01	0.03	0.001	37	0.09	0.001	0.1	0.05	10	0.001	8.8	213	0.1020	0.1	0.01	0.24	0.09	796	5.7	22.2	182	5.4	5.7	30.2
		6/18/2009	0.05	0.01	0.03	0.001	34	0.08	0.001	0.1	0.05	10	0.001	9.1	195	0.1050	0.1	0.01	0.25	0.09	695	4.5	18.5	204	6.6	6.9	29.2
		Average	**0.05**	**0.01**	**0.03**	**0.001**	**36.00**	**0.09**	**0.001**	**0.10**	**0.05**	**10.00**	**0.001**	**9.13**	**205.33**	**0.1023**	**0.10**	**0.01**	**0.25**	**0.09**	**723.33**	**4.87**	**20.03**	**191.33**	**5.83**	**6.13**	**26.30**
AVERAGE	**90 SAND**		**0.05**	**0.02**	**0.04**	**0.05**	**17.67**	**0.04**	**0.001**	**0.10**	**0.05**	**8.33**	**0.001**	**11.14**	**82.60**	**0.030**	**0.10**	**0.34**	**0.13**	**0.045**	**220.23**	**2.63**	**7.23**	**63.36**	**3.38**	**2.93**	**6.63**

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) DIS	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) DIS	Radium 226 MDC (pCi/L) DIS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L) DIS	Radium 228 MDC (pCi/L) DIS	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L) DIS	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L) SUS	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) SUS	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) SUS	Radium 226 MDC (pCi/L) SUS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)
M-2	90	4/24/2008			0.9		0.6	0.2		0.8	1		0		0			0.5		0	0.4		NOT ANALZYED		
		7/29/2008	15.1	8.9	0.1	0.6	0.86	0.25	0.25	1.4	0.9	0.6	0	0.1	0	12.8	7.5	0	0.4	0	0.8	0.3			
		11/6/2008	6.9	4	0.3	0.5	2.1	0.33	0.49	0.5	2.5	1.5	0	0.09	0	8.5	5	0	0.2	0.2	0.4	0.2			
		3/17/2009	8.6	5.1	0.1	0.3	0.25	0.17	0.13	0	1.1	0.7	0	0.08	0	3.1	1.8	0	0.1	0	0.1	0.07			
		Average	**10.20**	**6.00**	**0.35**	**0.47**	**0.95**	**0.24**	**0.29**	**0.68**	**1.38**	**0.93**	**0.00**	**0.09**	**0.00**	**8.13**	**4.77**	**0.13**	**0.23**	**0.05**	**0.43**	**0.19**			
M-3	90	4/28/2008			0.4		0.44	0.25		1.2	1.1		0.1		0			0.1		0.8	0.3		NOT ANALYZED		
		7/30/2008	15.1	8.9	0	0.5	0.77	0.27	0.26	0.9	1.5	0.9	0	0.09	5.2	12.5	7.6	0.4	0.4	0	0.7	0.3			
		11/6/2008	5.1	3	0.3	0.4	1.4	0.33	0.41	2	2.5	1.6	0	0.1	0	8.6	5.1	0	0.3	0.1	0.4	0.2			
		3/17/2009	8.6	5.1	0.07	0.3	0.67	0.23	0.22	2	1.5	1	0.1	0.1	0	3.1	1.9	0	0.1	0	0.1	0.07			
		Average	**9.60**	**5.67**	**0.19**	**0.40**	**0.82**	**0.27**	**0.30**	**1.53**	**1.65**	**1.17**	**0.05**	**0.10**	**1.30**	**8.07**	**4.87**	**0.13**	**0.27**	**0.23**	**0.38**	**0.19**			
M-4	90	4/29/2008			0.4		5	0.16		0.6	1.1		0		0			0		0.5	0.3		NOT ANALYZED		
		7/30/2008	15.1	8.9	0	0.6	6.5	0.31	0.66	0	1.5	0.9	0	0.06	0	12.9	7.7	0	0.4	1.1	0.6	0.5			
		11/6/2008	10.2	6.1	0.3	0.4	8	0.33	0.91	0.007	2.5	1.5	0.1	0.1	0	8.6	5.1	0.1	0.4	0.2	0.4	0.2			
		3/17/2009	8.6	5.2	0	0.2	8.9	0.2	0.62	0	1.5	0.9	0.02	0.08	0	3.1	1.9	0	0.1	0	0.1	0.07			
		Average	**11.30**	**6.73**	**0.18**	**0.40**	**7.10**	**0.25**	**0.73**	**0.15**	**1.65**	**1.10**	**0.03**	**0.08**	**0.00**	**8.20**	**4.90**	**0.03**	**0.30**	**0.45**	**0.35**	**0.26**			
M-24	90	3/30/2008		1.3	2.8	1.7	63.2	0.1	1.2	0.8	1.1	0.7	0.1	0.1	0		17	1.9	4	2.2	3.2	2.2	NOT ANALYZED		
		7/23/2008	13	7.9	1.2	1.1	82.4	0.4	3	1.4	1.2	0.8	0	0.1	2.9	12.7	7.6	0.3	0.5	0	0.7	0.3			
		11/18/2008	4.7	3.1	0.9	0.7	86	0.28	2.1	1.8	1	0.7	0	0.1	0	9.8	5.8	0.5	0.5	0	0.5	0.3			
		3/20/2009	2.7	1.8	0.8	0.5	93	0.18	1.9	0.8	1.4	0.9	0	0.04	0	4.9	2.9	0.2	0.3	0.3	0.2	0.2			
		Average	**6.80**	**3.53**	**1.43**	**1.00**	**81.15**	**0.24**	**2.05**	**1.20**	**1.18**	**0.78**	**0.03**	**0.09**	**0.73**	**9.13**	**8.33**	**0.73**	**1.33**	**0.63**	**1.15**	**0.75**			
LPW-2	90	12/5/2008	4.6	2.7	0.1	0.3	5.1	0.17	0.41	1.5	1.1	0.7	0.1	0.1	0.7	9.7	5.8	0.2	0.4	0	0.4	0.2	NOT ANALYZED		
		2/11/2009	7.9	4.7	0	0.3	4.1	0.18	0.43	0.6	1.1	0.7	0.03	0.09	2.2	6.3	3.8	0.06	0.2	0	0.5	0.2			
		6/17/2009	2.8	1.7	0.4	0.5	4.7	0.27	0.53	1.6	1.4	0.9	0.002	0.06	0	6.7	4	0	0.2	0	0.1	0.06			
		8/24/2009	2.6	1.6	0.2	0.3	3.7	0.17	0.37	1.3	1.1	0.7	0.06	0.1	0.5	3.5	2.1	0.02	0.2	0.03	0.2	0.1			
		Average	**4.48**	**2.68**	**0.18**	**0.35**	**4.40**	**0.20**	**0.44**	**1.25**	**1.18**	**0.75**	**0.05**	**0.09**	**0.85**	**6.55**	**3.93**	**0.07**	**0.25**	**0.01**	**0.30**	**0.14**			
LPW-4	90	12/22/2008	4	2.7	0.8	0.6	77	0.29	2.8	1.1	1.3	0.8	0	0.1	3.8	8.8	5.3	0.7	0.6	3.8	0.4	0.6	NOT ANALYZED		
		3/18/2009	4.1	2.7	0.6	0.6	79	0.3	2.8	1.1	1.2	0.8	0	0.06	14.6	3.1	2	0.4	0.3	0.2	0.1	0.1			
		6/18/2009	2.8	2	1.3	0.7	79	0.21	1.9	2.3	1.3	0.9	0.008	0.06	5.8	3.4	2.1	0.6	0.4	1.2	0.2	0.3			
		Average	**3.63**	**2.47**	**0.90**	**0.63**	**78.33**	**0.27**	**2.50**	**1.50**	**1.27**	**0.83**	**0.00**	**0.07**	**8.07**	**5.10**	**3.13**	**0.57**	**0.43**	**1.73**	**0.23**	**0.33**			
AVERAGE	**90 SAND**		**7.67**	**4.51**	**0.54**	**0.54**	**28.79**	**0.24**	**1.05**	**1.05**	**1.38**	**0.93**	**0.026**	**0.085**	**1.82**	**7.53**	**4.99**	**0.27**	**0.47**	**0.52**	**0.47**	**0.31**			

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	Thorium 230 (pCi/L) SUS	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L) SUS
M-2	90	4/24/2008	0.1		0.0003
		7/29/2008	0	0.1	0.0003
		11/6/2008	0.1	0.05	0.0003
		3/17/2009	0	0.09	0.0003
		Average	**0.05**	**0.08**	**0.0003**
M-3	90	4/28/2008	0.2		0.0003
		7/30/2008	0.1	0.2	0.0003
		11/6/2008	0.1	0.08	0.0003
		3/17/2009	0	0.1	0.0003
		Average	**0.10**	**0.13**	**0.0003**
M-4	90	4/29/2008	0		0.0003
		7/30/2008	0.1	0.3	0.0004
		11/6/2008	0.1	0.05	0.0003
		3/17/2009	0	0.08	0.0003
		Average	**0.05**	**0.14**	**0.0003**
M-24	90	3/30/2008	0.3	1.9	0.0005
		7/23/2008	0	0.2	0.0003
		11/18/2008	0.1	0.08	0.0003
		3/20/2009	0	0.1	0.0003
		Average	**0.10**	**0.57**	**0.0004**
LPW-2	90	12/5/2008	0	0.02	0.0003
		2/11/2009	0.1	0.2	0.0003
		6/17/2009	0	0.2	0.0003
		8/24/2009	0.02	0.1	0.0003
		Average	**0.03**	**0.13**	**0.0003**
LPW-4	90	12/22/2008	0	0.2	0.0003
		3/18/2009	0.005	0.1	0.0003
		6/18/2009	0	0.2	0.0003
		Average	**0.00**	**0.17**	**0.0003**
AVERAGE	**90 SAND**		**0.06**	**0.20**	**0.0003**

1. A "0" value represents below the minimum detectable concentration.

Well		Collection Date	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mq/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	TDS Balance (0.80 - 1.20) (dec. %)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
M-6	100	5/7/2008	2.65	7.45	171	3	7.06	1	672	0.7	8.42	453	434	0.96	215	0.28	0.05	0.1	0.005	0.1	0.1	0.005	79
		8/6/2008	3.32	7.45	180	1	7.96	1	673	0.4	7.74	471	455		210	0.2	0.05	0.1	0.003	0.1	0.1	0.005	92
		12/2/2008	1.84	7.38	190	1	7.66	1	642	0.4	7.81	472	482	1.02	204	0.07	0.05	0.1	0.001	0.1	0.1	0.005	88
		3/25/2009	-2.96	7.3	188	1	6.88	1	687	0.4	7.65	451	474	1.05	201	0.09	0.05	0.1	0.001	0.1	0.1	0.005	75
		Average	**1.21**	**7.40**	**182.25**	**1.50**	**7.39**	**1.00**	**668.50**	**0.48**	**7.82**	**461.75**	**461.25**	**1.01**	**207.50**	**0.16**	**0.05**	**0.10**	**0.003**	**0.10**	**0.10**	**0.005**	**83.50**
M-13	100	6/20/2008	0.526	9.93	345	1	10	8	888	0.3	7.75	577	589	1.02	194	0.2	0.05	0.1	0.013	0.1	0.1	0.005	114
		8/14/2008	0.841	10.2	370	1	10	7	898	0.3	7.47	576	589		188	0.1	0.05	0.1	0.004	0.1	0.1	0.005	120
		11/18/2008	4.1	10.2	376	1	11.1	7	891	0.3	7.64	602	580	0.96	183	0.1	0.05	0.1	0.002	0.1	0.1	0.005	132
		3/30/2009	-3.2	9.91	358	1	9.29	8	795	0.3	7.59	559	544	0.97	183	0.12	0.05	0.1	0.002	0.1	0.1	0.005	104
		Average	**0.57**	**10.06**	**362.25**	**1.00**	**10.10**	**7.50**	**868.00**	**0.30**	**7.60**	**578.50**	**575.50**	**0.98**	**187.00**	**0.13**	**0.05**	**0.10**	**0.005**	**0.10**	**0.10**	**0.005**	**117.50**
LMO-2A	100	12/10/2008	1.31	12.6	250	1	13	4	1090	0.3	8.11	807	752	0.93	404	0.21	0.05	0.1	0.002	0.1	0.1	0.005	132
		3/2/2009	-1.51	13.5	262	1	13.1	5	1180	0.2	7.81	846	820	0.97	435	0.16	0.05	0.1	0.001	0.1	0.1	0.005	128
		6/22/2009	-3	12.3	266	1	11.6	3	1090	0.3	7.88	755	780	1.03	378	0.29	0.1	0.1	0.001	0.1	0.1	0.005	113
		Average	**-1.07**	**12.80**	**259.33**	**1.00**	**12.57**	**4.00**	**1120.00**	**0.27**	**7.92**	**802.67**	**784.00**	**0.98**	**405.67**	**0.22**	**0.07**	**0.10**	**0.001**	**0.10**	**0.10**	**0.005**	**124.33**
AVERAGE	**100 SAND**		**0.24**	**10.09**	**267.94**	**1.17**	**10.02**	**4.17**	**885.50**	**0.35**	**7.76**	**614.31**	**606.92**	**0.99**	**266.72**	**0.17**	**0.06**	**0.10**	**0.00**	**0.10**	**0.10**	**0.01**	**108.44**

1. A "0" value represents below the miniumum detectable concentration.

Well		Collection Date	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (pCi/L)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (pCi/L)	Lead 210 (pCi/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS
M-6	100	5/7/2008	0.05	0.01	0.05	0.001	16	0.01	0.001	0.1	0.05	12	0.001	8.4	33	0.0997	0.1	0.01	0.09	0.01	1070	1.8		335	2.5		213
		8/6/2008	0.05	0.01	0.03	0.001	18	0.01	0.001	0.1	0.05	13	0.001	20.1	35	0.1320	0.1	0.01	0.12	0.01	1370	2.2	18.6	406	3.3	5.8	1.1
		12/2/2008	0.05	0.01	0.03	0.001	19	0.02	0.001	0.1	0.05	10	0.001	18.9	33	0.0500	0.1	0.02	0.18	0.02	3290	2.1	28.9	1380	2.8	9.3	53.3
		3/25/2009	0.05	0.01	0.03	0.001	18	0.01	0.001	0.1	0.05	10	0.001	16.4	33	0.0546	0.1	0.01	0.17	0.02	1490	2.3	19.6	457	3.2	5.9	85.4
		Average	**0.05**	**0.01**	**0.04**	**0.001**	**17.75**	**0.01**	**0.001**	**0.10**	**0.05**	**11.25**	**0.001**	**15.95**	**33.50**	**0.0841**	**0.10**	**0.01**	**0.14**	**0.02**	**1805.00**	**2.10**	**22.37**	**644.50**	**2.95**	**7.00**	**88.20**
M-13	100	6/20/2008	0.05	0.01	0.03	0.001	29	0.03	0.001	0.1	0.05	25	0.002	5.3	29	0.2670	0.1	0.01	0.23	0.02	3320	3.1	35.6	627	2.8	6.6	50.4
		8/14/2008	0.05	0.01	0.03	0.001	31	0.03	0.001	0.1	0.05	17	0.001	10.5	24	0.1420	0.1	0.01	0.54	0.04	2450	3.7	30.4	482	3.7	6.8	63.7
		11/18/2008	0.05	0.01	0.03	0.001	34	0.03	0.001	0.1	0.05	18	0.001	11.2	27	0.1270	0.1	0.01	0.49	0.04	3120	2.8	34.4	848	4.1	9	75.8
		3/30/2009	0.05	0.01	0.03	0.001	29	0.03	0.001	0.1	0.05	18	0.001	10.2	28	0.1390	0.1	0.01	0.37	0.03	2390	3.2	27.8	543	2.9	6.1	118
		Average	**0.05**	**0.01**	**0.03**	**0.001**	**30.75**	**0.03**	**0.001**	**0.10**	**0.05**	**19.50**	**0.001**	**9.30**	**27.00**	**0.1688**	**0.10**	**0.01**	**0.41**	**0.03**	**2820.00**	**3.20**	**32.05**	**625.00**	**3.38**	**7.13**	**76.98**
LMO-2A	100	12/10/2008	0.05	0.01	0.03	0.001	35	0.04	0.001	0.1	0.05	16	0.001	17.2	71	0.0006	0.1	0.01	0.23	0.04	4.7	3.1	2.3	8.2	4.7	3	0.2
		3/2/2009	0.05	0.01	0.04	0.001	37	0.06	0.001	0.1	0.05	15	0.001	16.9	72	0.0004	0.1	0.01	0.3	0.05	7.1	4.3	3.1	15.5	4.2	2.7	0
		6/22/2009	0.05	0.01	0.03	0.001	34	0.04	0.001	0.1	0.05	15	0.001	13.5	64	0.0004	0.1	0.01	0.2	0.04	4.6	3.9	2.6	16.1	4.3	2.8	0
		Average	**0.05**	**0.01**	**0.03**	**0.001**	**35.33**	**0.05**	**0.001**	**0.10**	**0.05**	**15.33**	**0.001**	**15.87**	**69.00**	**0.0005**	**0.10**	**0.01**	**0.24**	**0.04**	**5.47**	**3.77**	**2.67**	**13.27**	**4.40**	**2.83**	**0.07**
AVERAGE	**100 SAND**		**0.05**	**0.01**	**0.03**	**0.00**	**27.94**	**0.03**	**0.00**	**0.10**	**0.05**	**15.36**	**0.00**	**13.71**	**43.17**	**0.08**	**0.10**	**0.01**	**0.26**	**0.03**	**1543.49**	**3.02**	**19.03**	**427.59**	**3.58**	**5.65**	**55.08**

1. A "0" value represents below the miniumum detectable concentration.

Well		Collection Date	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) DIS	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) DIS	Radium 226 MDC (pCi/L) DIS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L) DIS	Radium 228 MDC (pCi/L) DIS	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L) DIS	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L) SUS	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) SUS	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) SUS	Radium 226 MDC (pCi/L) SUS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)
M-6	100	5/7/2008			12.4		551	1.4		4	1.1		0		33.7			5		5.9	0.3				
		8/6/2008	10.7	6.4	6	2.7	650	0.29	6.2	1.6	1	0.7	0.1	0.1	2	14.8	8.8	0.7	0.6	2	0.4	0.4	NOT ANALYZED		
		12/2/2008	4.1	3.2	5.1	1.7	866	0.08	4.6	5.8	1.2	0.9	0.1	0.2	56.9	10.3	6.9	9.1	2.9	8.7	0.5	1			
		3/25/2009	2.7	2.4	0.8	0.6	963	0.2	6.3	5.4	0.9	0.7	0	0.07	69.8	13.8	9	7.1	1.8	18.3	0.09	0.5			
		Average	**5.83**	**4.00**	**6.08**	**1.67**	**757.50**	**0.49**	**5.70**	**4.20**	**1.05**	**0.77**	**0.05**	**0.12**	**40.60**	**12.97**	**8.23**	**5.48**	**1.77**	**8.73**	**0.32**	**0.63**			
M-13	100	6/20/2008	12	8	1.9	1.5	1490	0.3	8.8	7.2	1.1	0.9	0.1	0.2	52.7	15.4	10.4	15.1	3.6	12.3	0.5	1.2	0.4	2.5	1.5
		8/14/2008	9.9	6.8	1.2	1.1	1430	0.26	8.4	3.6	1.2	0.9	0	0.09	25	9.9	6.3	4.4	1.2	75.8	0.5	3.3			
		11/18/2008	9.4	6.7	1.4	0.7	1330	0.3	8.5	9.7	1	0.9	0.1	0.1	59.8	8.1	5.7	38	10	44	0.5	2			
		3/30/2009	2.7	2.6	5	1.9	1510	0.19	7.9	3.9	0.9	0.7	0.03	0.07	19	5.6	3.5	1.5	0.7	17.8	0.3	1.2			
		Average	**8.50**	**6.03**	**2.38**	**1.30**	**1440.00**	**0.26**	**8.40**	**6.10**	**1.05**	**0.85**	**0.06**	**0.12**	**39.13**	**9.75**	**6.48**	**14.75**	**3.88**	**37.48**	**0.45**	**1.93**			
LMO-2A	100	12/10/2008	4.6	2.7	0	0.2	0.57	0.2	0.18	2.4	1.7	1.1	0	0.1	0	14.9	8.7	0.2	0.4	0	0.6	0.3			
		3/2/2009	3.8	2.3	0.2	0.3	1.3	0.16	0.23	2.5	1.2	0.8	0	0.05	0.2	4.2	2.5	0.1	0.3	0	0.2	0.1			
		6/22/2009	2.6	1.5	0.2	0.3	0.94	0.17	0.21	2.6	1	0.7	0.005	0.07	0.9	3.6	2.2	0.03	0.2	0	0.06	0.02			
		Average	**3.67**	**2.17**	**0.13**	**0.27**	**0.94**	**0.18**	**0.21**	**2.50**	**1.30**	**0.87**	**0.00**	**0.07**	**0.37**	**7.57**	**4.47**	**0.11**	**0.30**	**0.00**	**0.29**	**0.14**			
AVERAGE	**100 SAND**		**6.00**	**4.06**	**2.86**	**1.08**	**732.81**	**0.31**	**4.77**	**4.27**	**1.13**	**0.83**	**0.04**	**0.10**	**26.70**	**10.09**	**6.39**	**6.78**	**1.98**	**15.40**	**0.35**	**0.90**			

1. A "0" value represents below the miniumum detectable concentration.

Well		Collection Date	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L)
			SUS		SUS
M-6	100	5/7/2008	1.8		0.0003
		8/6/2008	0.1	0.3	0.0003
		12/2/2008	0	0.05	0.0003
		3/25/2009	0.1	0.2	0.0003
		Average	**0.50**	**0.18**	**0.0003**
M-13	100	6/20/2008	0.2	0.2	0.0003
		8/14/2008	0.2	0.2	0.0003
		11/18/2008	0.2	0.2	0.0003
		3/30/2009	0.04	0.2	0.0003
		Average	**0.16**	**0.20**	**0.0003**
LMO-2A	100	12/10/2008	0	0.3	0.0003
		3/2/2009	0.2	0.2	0.0003
		6/22/2009	0.006	0.06	0.0003
		Average	**0.07**	**0.19**	**0.0003**
AVERAGE	**100 SAND**		**0.24**	**0.19**	**0.00**

1. A "0" value represents below the miniumum detectable concentration.

Well		Collection Date	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mq/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	TDS Balance (0.80 - 1.20) (dec. %)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
M-7	110	4/25/2008	2.08	5.57	202	1	5.81	6	536	0.7	8.21	330	331	1	94	0.05	1.61	0.1	0.002	0.1	0.1	0.005	71
		8/13/2008	2.8	5.49	198	1	5.8	4	526	0.7	7.5	330	341		95	0.1	1.68	0.1	0.001	0.1	0.1	0.005	71
		11/5/2008	5.13	5.59	200	1	6.2	6	481	0.8	7.5	355	371		96	0.1	1.69	0.1	0.002	0.1	0.1	0.005	76
		3/12/2009	0.164	5.47	199	1	5.49	6	514	0.7	7.67	327	322	0.98	91	0.05	1.61	0.1	0.002	0.1	0.1	0.005	67
		Average	**2.54**	**5.53**	**199.75**	**1.00**	**5.83**	**5.50**	**514.25**	**0.73**	**7.64**	**335.50**	**341.25**	**0.99**	**94.00**	**0.08**	**1.65**	**0.10**	**0.002**	**0.10**	**0.10**	**0.005**	**71.25**
LMO-1	110	12/5/2008	1.7	10.8	216	1	11.2	1	918	0.6	7.77	693	679		348	0.05	0.05	0.1	0.003	0.1	0.1	0.005	144
		2/11/2009	-4.12	10.8	224	1	9.95	1	926	0.6	7.62	662	689	1.04	341	0.05	0.05	0.1	0.003	0.1	0.1	0.005	122
		6/17/2009	-0.585	10.5	222	1	10.4	2	937	0.6	7.54	658	699	1.06	328	0.05	0.05	0.1	0.003	0.1	0.1	0.005	131
		8/24/2009	-1.83	10.6	235	1	10.2	1	932	0.6	7.73	653	692	1.06	322	0.05	0.1	0.1	0.003	0.1	0.1	0.005	129
		Average	**-1.21**	**10.68**	**224.25**	**1.00**	**10.44**	**1.25**	**928.25**	**0.60**	**7.63**	**666.50**	**689.75**	**1.05**	**334.75**	**0.05**	**0.06**	**0.10**	**0.003**	**0.10**	**0.10**	**0.005**	**131.50**
AVERAGE	**110 SAND**		**0.67**	**8.10**	**212.00**	**1.00**	**8.13**	**3.38**	**721.25**	**0.66**	**7.64**	**501.00**	**515.50**	**1.02**	**214.38**	**0.06**	**0.86**	**0.10**	**0.002**	**0.10**	**0.10**	**0.005**	**101.38**

1. A "0" value represents below the miniumum detectable concentration.

Well		Collection Date	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (pCi/L)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (pCi/L)	Lead 210 (pCi/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS
		4/25/2008	0.05	0.02	0.03	0.003	14	0.01	0.001	0.1	0.05	8	0.015	9.4	20	0.0062	0.1	0.07	0.03	0.01		1.7		9.9	2.5		0
		8/13/2008	0.05	0.01	0.03	0.001	15	0.01	0.001	0.1	0.05	8	0.016	20.2	19	0.0058	0.1	0.01	0.03	0.01	27.9	2.2	2.8	12	2.6	1.7	8.2
M-7	110	11/5/2008	0.05	0.01	0.03	0.001	16	0.01	0.001	0.1	0.05	8	0.018	20.8	21	0.0055	0.1	0.01	0.03	0.01	17.9	1.6	2	12.4	3	2	0
		3/12/2009	0.05	0.01	0.03	0.001	15	0.01	0.001	0.1	0.05	7	0.016	19.1	17	0.0052	0.1	0.01	0.03	0.02	22	2.1	2.5	9	2.8	1.8	0
		Average	**0.05**	**0.01**	**0.03**	**0.002**	**15.00**	**0.01**	**0.001**	**0.10**	**0.05**	**7.75**	**0.016**	**17.38**	**19.25**	**0.0057**	**0.10**	**0.03**	**0.03**	**0.01**	**22.60**	**1.90**	**2.43**	**10.83**	**2.73**	**1.83**	**2.05**
		12/5/2008	0.05	0.01	0.03	0.001	28	0.06	0.001	0.1	0.05	11	0.001	14.8	32	0.0297	0.1	0.01	0.03	0.07	65.8	2.9	5.2	26.2	3.9	2.8	0.7
		2/11/2009	0.05	0.01	0.03	0.001	27	0.07	0.001	0.1	0.05	12	0.001	13.7	30	0.0360	0.1	0.04	0.05	0.08	72.3	2.9	5.2	17.6	3.4	2.3	2.8
LMO-1	110	6/17/2009	0.05	0.01	0.03	0.001	27	0.07	0.001	0.1	0.05	10	0.001	15.6	31	0.0321	0.1	0.01	0.05	0.07	80.1	2.7	5.1	24.8	3.8	2.7	1.3
		8/24/2009	0.05	0.01	0.03	0.001	27	0.08	0.001	0.1	0.05	10	0.001	13.8	29	0.0338	0.1	0.01	0.05	0.08	66.1	3.4	5.2	19.9	4.2	2.8	0.8
		Average	**0.05**	**0.01**	**0.03**	**0.001**	**27.25**	**0.07**	**0.001**	**0.10**	**0.05**	**10.75**	**0.001**	**14.48**	**30.50**	**0.0329**	**0.10**	**0.02**	**0.05**	**0.08**	**71.08**	**2.98**	**5.18**	**22.13**	**3.83**	**2.65**	**1.40**
AVERAGE	**110 SAND**		**0.05**	**0.01**	**0.03**	**0.001**	**21.13**	**0.040**	**0.001**	**0.100**	**0.05**	**9.25**	**0.009**	**15.93**	**24.88**	**0.019**	**0.10**	**0.02**	**0.04**	**0.04**	**46.84**	**2.44**	**3.80**	**16.48**	**3.28**	**2.24**	**1.73**

1. A "0" value represents below the miniumum detectable concentration.

Well		Collection Date	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) DIS	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) DIS	Radium 226 MDC (pCi/L) DIS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L) DIS	Radium 228 MDC (pCi/L) DIS	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L) DIS	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L) SUS	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) SUS	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) SUS	Radium 226 MDC (pCi/L) SUS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)
M-7	110	4/25/2008			1.3		0.8	0.2		1.4	1		0		0			0.6		0	0.4		NOT ANALYZED		
		8/13/2008	9.9	6	0.5	0.8	2	0.24	0.33	2.2	1.2	0.8	0	0.1	1.3	9.8	5.9	0	0.4	0.6	0.5	0.4			
		11/5/2008	5.8	3.4	0	0.2	0.87	0.21	0.22	1.5	1.1	0.7	0	0.3	0	8.2	4.8	0.2	0.4	0.3	0.3	0.2			
		3/12/2009	2.8	1.6	0.3	0.5	0.19	0.19	0.14	1.6	1.2	0.8	0.1	0.1	0.07	4.1	2.4	0.1	0.3	0	0.4	0.2			
		Average	**6.17**	**3.67**	**0.53**	**0.50**	**0.97**	**0.21**	**0.23**	**1.68**	**1.13**	**0.77**	**0.03**	**0.17**	**0.34**	**7.37**	**4.37**	**0.23**	**0.37**	**0.23**	**0.40**	**0.27**			
LMO-1	110	12/5/2008	9.2	5.5	0.1	0.3	2.8	0.16	0.31	0.7	1.1	0.7	0.1	0.2	0.08	9.9	5.9	0.1	0.3	0.08	0.4	0.2			
		2/11/2009	7.9	4.8	0	0.2	2.5	0.18	0.34	1.7	1.1	0.7	0.04	0.08	1.1	6.4	3.8	0.2	0.3	0	0.5	0.2		NOT ANALYZED	
		6/17/2009	2.8	1.7	0	0.2	1.7	0.23	0.32	2.4	1.4	1	0.008	0.1	0	3.4	2	0.2	0.2	0	0.2	0.1			
		8/24/2009	2.6	1.6	0	0.3	2.4	0.17	0.31	1.1	1.1	0.7	0.0005	0.08	0	3.4	2	0.09	0.2	0.04	0.2	0.1			
		Average	**5.63**	**3.40**	**0.03**	**0.25**	**2.35**	**0.19**	**0.32**	**1.48**	**1.18**	**0.78**	**0.04**	**0.12**	**0.30**	**5.78**	**3.43**	**0.15**	**0.25**	**0.03**	**0.33**	**0.15**			
AVERAGE	**110 SAND**		**5.90**	**3.53**	**0.28**	**0.38**	**1.66**	**0.20**	**0.28**	**1.58**	**1.15**	**0.77**	**0.03**	**0.14**	**0.32**	**6.57**	**3.90**	**0.19**	**0.31**	**0.13**	**0.36**	**0.21**			

1. A "0" value represents below the miniumum detectable concentration.

Well		Collection Date	Thorium 230 (pCi/L)	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L)
			SUS		SUS
M-7	110	4/25/2008	0.3		0.0003
		8/13/2008	1.8	1.2	0.0003
		11/5/2008	0.6	0.05	0.0003
		3/12/2009	0	0.1	0.0003
		Average	**0.68**	**0.45**	**0.0003**
LMO-1	110	12/5/2008	0	0.03	0.0003
		2/11/2009	0.001	0.1	0.0003
		6/17/2009	0	0.2	0.0003
		8/24/2009	0.01	0.1	0.0003
		Average	**0.00**	**0.11**	**0.0003**
AVERAGE	**110 SAND**		**0.34**	**0.28**	**0.0003**

1. A "0" value represents below the miniumum detectable concentration.

Uranium One - Wyoming
Sampling Schedule

Ludeman 2008 & 2009

	2008												2009											
Location I.D.	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Stock. Well - 1																		NR			9/22			NR
Stock. Well - 2																		NR			9/22			NR
Stock. Well - 3																		6/30			9/24			NR
Stock. Well - 4																		NR			9/24			NR
Stock. Well - 5																		NR			9/24			NR
Stock. Well - 6																		NR			9/24			NR
Stock. Well - 7																		6/30			9/24			NR
Stock. Well - 8																		6/29			9/22			NR
Stock. Well - 9																								
Stock. Well - 10																		6/30			NR			NR
Stock. Well - 11																		6/29			NR			NR
Stock. Well - 12																		6/29			9/22			NR
Stock. Well - 13																		6/29			9/24			NR
Stock. Well - 14																		"NR			NR			NR
Stock. Well - 15																		6/30			9/22			NR
Stock. Well - 16																		6/30			9/24			NR

Well	Collection Date	Analyte	A/C Balance (± 5) (%)	Anions (meq/L)	Bicarbonate as HCO3 (mq/L)	Carbonate as CO3 (mg/L)	Cations (meq/L)	Chloride (mg/L)	Conductivity (umhos/cm)	Fluoride (mg/L)	pH (s.u.)	Solids, Total Dissolved Calculated (mg/L)	Solids, Total Dissolved TDS @ 180 C (mg/L)	Sulfate (mg/L)	Nitrogen, Ammonia as N (mg/L)	Nitrogen, Nitrate+Nitrite as N (mg/L)	Aluminum (mg/L)
			DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS	DIS
Stock Well #1	11/6/2008		2.51	6.13	215	1	6.44	4	529	0.6	7.79	381	356	116	0.1	0.94	0.1
	Average		**2.51**	**6.13**	**215**	**1.00**	**6.44**	**4.00**	**529**	**0.60**	**7.79**	**381.00**	**356.00**	**116.00**	**0.10**	**0.94**	**0.10**
Stock Well #2	11/6/2008		2.72	7.09	200	1	7.49	5	630	0.5	8	441	416	175	0.1	0.05	0.1
	Average		**2.72**	**7.09**	**200**	**1.00**	**7.49**	**5.00**	**630.00**	**0.50**	**8.00**	**441.00**	**416.00**	**175.00**	**0.10**	**0.05**	**0.10**
Stock Well #3	11/10/2008		2.83	5.45	184	1	5.78	4	469	0.2	7.83	343	316	112	0.1	0.05	0.1
	6/30/2009		-0.934	5.28	187	1	5.18	3	519	0.2	8.07	319	357	102	0.05	0.01	0.1
	Average		**0.95**	**5.37**	**185.5**	**1.00**	**5.48**	**3.50**	**494.00**	**0.20**	**7.93**	**331.00**	**336.50**	**107.00**	**0.08**	**0.03**	**0.10**
Stock Well #7	6/30/2009		0.34	20.7	362	1	20.9	23	1790	0.4	7.66	1310	1390	680	0.05	0.04	0.1
	Average		**0.34**	**20.70**	**362**	**1.00**	**20.90**	**23.00**	**1790.00**	**0.40**	**7.66**	**1310.00**	**1390.00**	**680.00**	**0.05**	**0.04**	**0.10**
Stock Well #8	6/29/2009		-4.79	5.8	262	1	5.27	4	520	0.2	7.6	326	326	60	0.1	1.78	0.1
	Average		**-4.79**	**5.80**	**262**	**1.00**	**5.27**	**4.00**	**520.00**	**0.20**	**7.60**	**326.00**	**326.00**	**60.00**	**0.10**	**1.78**	**0.10**
Stock Well #9	11/20/2008		2.27	7.65	273	1	8.01	5	679	0.6	8.15	456	435	142	0.05	0.72	0.1
	Average		**2.27**	**7.65**	**273**	**1.00**	**8.01**	**5.00**	**679.00**	**0.60**	**8.15**	**456.00**	**435.00**	**142.00**	**0.05**	**0.72**	**0.10**
Stock Well #10	6/30/2009		0.865	5.42	200	3	5.51	5	535	0.7	8.2	326	359	90	0.05	0.09	0.1
	Average		**0.87**	**5.42**	**200**	**3.00**	**5.51**	**5.00**	**535.00**	**0.70**	**8.20**	**326.00**	**359.00**	**90.00**	**0.05**	**0.09**	**0.10**
Stock Well #11	6/29/2009		-4.09	4.96	221	1	4.57	3	470	0.5	7.9	274	276	59	0.07	0.05	0.1
	Average		**-4.09**	**4.96**	**221**	**1.00**	**4.57**	**3.00**	**470.00**	**0.50**	**7.90**	**274.00**	**276.00**	**59.00**	**0.07**	**0.05**	**0.10**
Stock Well #12	6/29/2009		-4.22	20.3	404	1	18.7	29	1700	0.5	7.3	1230	1300	616	0.05	0.56	0.1
	Average		**-4.22**	**20.30**	**404**	**1.00**	**18.70**	**29.00**	**1700.00**	**0.50**	**7.30**	**1230.00**	**1300.00**	**616.00**	**0.05**	**0.56**	**0.10**
Stock Well #13	6/29/2009		-1.8	5.79	214	1	5.59	2	550	0.4	7.9	337	335	106	0.05	0.05	0.1
	Average		**-1.80**	**5.79**	**214**	**1.00**	**5.59**	**2.00**	**550.00**	**0.40**	**7.90**	**337.00**	**335.00**	**106.00**	**0.05**	**0.05**	**0.10**
Stock Well #15	6/30/2009		-1.88	6.33	209	1	6.09	5	600	0.2	8.03	385	421	129	0.05	1.23	0.1
	Average		**-1.88**	**6.33**	**209**	**1.00**	**6.09**	**5.00**	**600.00**	**0.20**	**8.03**	**385.00**	**421.00**	**129.00**	**0.05**	**1.23**	**0.10**
Stock Well #16	6/30/2009		-4.74	14.1	327	1	12.8	9	1170	0.2	7.51	840	866	404	0.05	0.55	0.1
	Average		**-4.74**	**14.10**	**327**	**1.00**	**12.80**	**9.00**	**1170.00**	**0.20**	**7.51**	**840.00**	**866.00**	**404.00**	**0.05**	**0.55**	**0.10**

1. A "0" value represents below minimum detectable limits.

Well	Collection Date	Analyte	Arsenic (mg/L) DIS	Barium (mg/L) DIS	Boron (mg/L) DIS	Cadmium (mg/L) DIS	Calcium (mg/L) DIS	Chromium (mg/L) DIS	Copper (mg/L) DIS	Iron (mg/L) DIS	Lead (mg/L) DIS	Magnesium (mg/L) DIS	Manganese (mg/L) DIS	Mercury (mg/L) DIS	Molybdenum (mg/L) DIS	Nickel (mg/L) DIS	Potassium (mg/L) DIS	Selenium (mg/L) DIS
Stock Well #1	11/6/2008		0.002	0.1	0.1	0.005	80	0.05	0.01	0.03	0.001	14	0.02	0.001	0.1	0.05	8	0.013
	Average		**0.002**	**0.10**	**0.10**	**0.005**	**80.00**	**0.05**	**0.01**	**0.03**	**0.001**	**14.00**	**0.02**	**0.001**	**0.10**	**0.05**	**8.00**	**0.013**
Stock Well #2	11/6/2008		0.001	0.1	0.1	0.005	69	0.05	0.01	0.03	0.001	17	0.03	0.001	0.1	0.05	7	0.001
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**69.00**	**0.05**	**0.01**	**0.03**	**0.001**	**17.00**	**0.03**	**0.001**	**0.10**	**0.05**	**7.00**	**0.001**
Stock Well #3	11/10/2008		0.001	0.1	0.1	0.005	45	0.05	0.01	0.03	0.001	12	0.02	0.001	0.1	0.05	6	0.001
	6/30/2009		0.001	0.1	0.1	0.005	38	0.05	0.01	0.03	0.001	10	0.02	0.001	0.1	0.05	6	0.001
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**41.50**	**0.05**	**0.01**	**0.03**	**0.001**	**11.00**	**0.02**	**0.001**	**0.10**	**0.05**	**6.00**	**0.001**
Stock Well #7	6/30/2009		0.001	0.1	0.1	0.005	126	0.05	0.01	0.03	0.001	61	0.01	0.001	0.1	0.05	5	0.001
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**126.00**	**0.05**	**0.01**	**0.03**	**0.001**	**61.00**	**0.01**	**0.001**	**0.10**	**0.05**	**5.00**	**0.001**
Stock Well #8	6/29/2009		0.001	0.1	0.1	0.005	69	0.05	0.01	0.03	0.001	9	0.01	0.001	0.1	0.05	7	0.015
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**69.00**	**0.05**	**0.01**	**0.03**	**0.001**	**9.00**	**0.01**	**0.001**	**0.10**	**0.05**	**7.00**	**0.015**
Stock Well #9	11/20/2008		0.002	0.1	0.1	0.005	73	0.05	0.01	0.03	0.001	20	0.01	0.001	0.1	0.05	7	0.010
	Average		**0.002**	**0.10**	**0.10**	**0.005**	**73.00**	**0.05**	**0.01**	**0.03**	**0.001**	**20.00**	**0.01**	**0.001**	**0.10**	**0.05**	**7.00**	**0.010**
Stock Well #10	6/30/2009		0.001	0.1	0.1	0.005	20	0.05	0.01	0.03	0.001	8	0.13	0.001	0.1	0.05	5	0.002
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**20.00**	**0.05**	**0.01**	**0.03**	**0.001**	**8.00**	**0.13**	**0.001**	**0.10**	**0.05**	**5.00**	**0.002**
Stock Well #11	6/29/2009		0.001	0.1	0.1	0.005	40	0.05	0.01	0.03	0.001	12	0.05	0.001	0.1	0.05	6	0.001
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**40.00**	**0.05**	**0.01**	**0.03**	**0.001**	**12.00**	**0.05**	**0.001**	**0.10**	**0.05**	**6.00**	**0.001**
Stock Well #12	6/29/2009		0.001	0.1	0.2	0.005	199	0.05	0.01	0.03	0.001	48	0.54	0.001	0.1	0.05	10	0.004
	Average		**0.001**	**0.10**	**0.20**	**0.005**	**199.00**	**0.05**	**0.01**	**0.03**	**0.001**	**48.00**	**0.54**	**0.001**	**0.10**	**0.05**	**10.00**	**0.004**
Stock Well #13	6/29/2009		0.004	0.1	0.1	0.005	43	0.05	0.01	0.03	0.001	14	0.02	0.001	0.1	0.05	7	0.001
	Average		**0.004**	**0.10**	**0.10**	**0.005**	**43.00**	**0.05**	**0.01**	**0.03**	**0.001**	**14.00**	**0.02**	**0.001**	**0.10**	**0.05**	**7.00**	**0.001**
Stock Well #15	6/30/2009		0.001	0.1	0.1	0.005	71	0.05	0.01	0.03	0.001	12	0.03	0.001	0.1	0.05	8	0.034
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**71.00**	**0.05**	**0.01**	**0.03**	**0.001**	**12.00**	**0.03**	**0.001**	**0.10**	**0.05**	**8.00**	**0.034**
Stock Well #16	6/30/2009		0.001	0.1	0.1	0.005	94	0.05	0.01	0.03	0.001	40	0.01	0.001	0.1	0.05	5	0.001
	Average		**0.001**	**0.10**	**0.10**	**0.005**	**94.00**	**0.05**	**0.01**	**0.03**	**0.001**	**40.00**	**0.01**	**0.001**	**0.10**	**0.05**	**5.00**	**0.001**

1. A "0" value represents below minimum detectable limits.

Well	Collection Date	Analyte	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Iron (mg/L)	Manganese (mg/L)	Gross Alpha (pCi/L)	Gross Alpha MDC (pCi/L)	Gross Alpha precision (±) (pCi/L)	Gross Beta (pCi/L)	Gross Beta MDC (pCi/L)	Gross Beta precision (±) (pCi/L)	Lead 210 (pCi/L)	Lead 210 MDC (pCi/L)
			DIS	DIS	DIS	DIS	DIS	TOT	TOT	DIS	DIS		DIS	DIS		DIS	
Stock Well #1	11/6/2008		18.7	25	0.0054	0.1	0.02	0.89	0.02	25.4	1.7	2.3	10.3	2.8	1.8	0	5.1
	Average		**18.70**	**25.00**	**0.0054**	**0.10**	**0.02**	**0.89**	**0.02**	**25.40**	**1.70**	**2.30**	**10.30**	**2.80**	**1.80**	**0.00**	**5.10**
Stock Well #2	11/6/2008		9.6	57	0.0013	0.1	0.58	0.26	0.03	6.5	1.8	1.5	3.3	2.8	1.7	0	10.2
	Average		**9.60**	**57.00**	**0.0013**	**0.10**	**0.58**	**0.26**	**0.03**	**0.69**	**0.33**	**0.00**	**3.30**	**2.80**	**1.70**	**0.00**	**10.20**
Stock Well #3	11/10/2008		15.3	55	0.0064	0.1	0.01	0.12	0.03	25.3	1.8	2.5	12.6	2.9	1.9	0	4.7
	6/30/2009		13.4	53	0.0063	0.1	0.01	0.12	0.02	27.3	2	2.6	7.2	2.6	1.7	0	2.1
	Average		**14.35**	**54.00**	**0.0064**	**0.10**	**0.01**	**0.12**	**0.03**	**26.30**	**1.90**	**2.55**	**9.90**	**2.75**	**1.80**	**0.00**	**3.40**
												0					
Stock Well #7	6/30/2009		14	218	0.0129	0.1	0.16	0.03	0.01	8.2	7.1	4.8	-20	8.8	5	0	2.1
	Average		**14.00**	**218.00**	**0.0129**	**0.10**	**0.16**	**0.03**	**0.01**	**8.20**	**7.10**	**4.80**	**-20.00**	**8.80**	**5.00**	**0.00**	**2.10**
Stock Well #8	6/29/2009		15.1	19	0.0183	0.1	0.01	0.03	0.01	52.9	2.4	3.9	13.4	2.7	1.8	0	2.1
	Average		**15.10**	**19.00**	**0.0183**	**0.10**	**0.01**	**0.03**	**0.01**	**52.90**	**2.40**	**3.90**	**13.40**	**2.70**	**1.80**	**0.00**	**2.10**
Stock Well #9	11/20/2008		10.6	58	0.0365	0.1	0.01	0.03	0.01	49.5	2	3.8	13.3	3.1	2.1	1.8	4.7
	Average		**10.60**	**58.00**	**0.0365**	**0.10**	**0.01**	**0.03**	**0.01**	**49.50**	**2.00**	**3.80**	**13.30**	**3.10**	**2.10**	**1.80**	**4.70**
Stock Well #10	6/30/2009		8.9	86	0.0144	0.1	0.01	0.15	0.14	27.2	2.1	2.7	6.9	2.6	1.7	0	2.1
	Average		**8.90**	**86.00**	**0.0144**	**0.10**	**0.01**	**0.15**	**0.14**	**27.20**	**2.10**	**2.70**	**6.90**	**2.60**	**1.70**	**0.00**	**2.10**
Stock Well #11	6/29/2009		9.3	34	0.0003	0.1	0.02	0.15	0.05	2.2	2.1	1.4	5.3	2.6	1.7	0	2.1
	Average		**9.30**	**34.00**	**0.0003**	**0.10**	**0.02**	**0.15**	**0.05**	**2.20**	**2.10**	**1.40**	**5.30**	**2.60**	**1.70**	**0.00**	**2.10**
Stock Well #12	6/29/2009		16.1	103	0.2030	0.1	0.01	0.03	0.55	315	6.7	15.1	58.1	7.6	5.5	0	2.1
	Average		**16.10**	**103.00**	**0.2030**	**0.10**	**0.01**	**0.03**	**0.55**	**315.00**	**6.70**	**15.10**	**58.10**	**7.60**	**5.50**	**0.00**	**2.10**
Stock Well #13	6/29/2009		8.1	49	0.0104	0.1	0.01	0.4	0.02	21.4	2.1	2.5	10.6	2.7	1.8	0	2.1
	Average		**8.10**	**49.00**	**0.0104**	**0.10**	**0.01**	**0.40**	**0.02**	**21.40**	**2.10**	**2.50**	**10.60**	**2.70**	**1.80**	**0.00**	**2.10**
Stock Well #15	6/30/2009		16.4	32	0.0133	0.1	0.09	0.22	0.03	41.6	2.4	3.5	11.7	2.7	1.8	0	2.1
	Average		**16.40**	**32.00**	**0.0133**	**0.10**	**0.09**	**0.22**	**0.03**	**41.60**	**2.40**	**3.50**	**11.70**	**2.70**	**1.80**	**0.00**	**2.10**
Stock Well #16	6/30/2009		14.3	108	0.0118	0.1	0.01	0.03	0.01	11	4.2	3.3	3.4	4.2	2.5	0	2.1
	Average		**14.30**	**108.00**	**0.0118**	**0.10**	**0.01**	**0.03**	**0.01**	**11.00**	**4.20**	**3.30**	**3.40**	**4.20**	**2.50**	**0.00**	**2.10**

1. A "0" value represents below minimum detectable limits.

Well	Collection Date	Analyte	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) DIS	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) DIS	Radium 226 MDC (pCi/L) DIS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L) DIS	Radium 228 MDC (pCi/L) DIS	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L) DIS	Thorium 230 precision (±) (pCi/L)	Lead 210 (pCi/L) SUS	Lead 210 MDC (pCi/L)	Lead 210 precision (±) (pCi/L)	Polonium 210 (pCi/L) SUS
Stock Well #1	11/6/2008		3	0	0.3	0.56	0.33	0.29	2	2.5	1.6	0	0.3	0	8.5	5	0
	Average		**3.00**	**0.00**	**0.30**	**0.56**	**0.33**	**0.29**	**2.00**	**2.50**	**1.60**	**0.00**	**0.30**	**0.00**	**8.50**	**5.00**	**0.00**
Stock Well #2	11/6/2008		6.1	0.2	0.5	0.69	0.33	0.32	0	2.5	1.5	0.2	0.4	0	8.3	4.9	0.2
	Average		**6.10**	**0.20**	**0.50**	**0.69**	**0.33**	**0.32**	**0.00**	**2.50**	**1.50**	**0.20**	**0.40**	**0.00**	**8.30**	**4.90**	**0.20**
Stock Well #3	11/10/2008		2.8	0	0.2	3.6	0.2	0.37	0	1.1	0.7	0	0.05	0	8.2	4.9	0
	6/30/2009		1.2	0	0.2	3.3	0.18	0.36	1	1.2	0.8	0.01	0.06	0.2	2.8	1.7	0.1
	Average		**2.00**	**0.00**	**0.20**	**3.45**	**0.19**	**0.37**	**0.50**	**1.15**	**0.75**	**0.01**	**0.06**	**0.10**	**5.50**	**3.30**	**0.05**
Stock Well #7	6/30/2009		1.2	0.08	0.3	0.35	0.17	0.15	0.8	1.2	0.7	0.1	0.1	0	2.9	1.7	0
	Average		**1.20**	**0.08**	**0.30**	**0.35**	**0.17**	**0.15**	**0.80**	**1.20**	**0.70**	**0.10**	**0.10**	**0.00**	**2.90**	**1.70**	**0.00**
Stock Well #8	6/29/2009		1.2	0.03	0.3	0.33	0.2	0.16	2.3	1	0.7	0	0.07	0	2.8	1.7	0.2
	Average		**1.20**	**0.03**	**0.30**	**0.33**	**0.20**	**0.16**	**2.30**	**1.00**	**0.70**	**0.00**	**0.07**	**0.00**	**2.80**	**1.70**	**0.20**
Stock Well #9	11/20/2008		2.8	0.1	0.2	0.06	0.31	0.19	0.8	1	0.6	0.1	0.1	0	8.2	4.9	0.1
	Average		**2.80**	**0.10**	**0.20**	**0.06**	**0.31**	**0.19**	**0.80**	**1.00**	**0.60**	**0.10**	**0.10**	**0.00**	**8.20**	**4.90**	**0.10**
Stock Well #10	6/30/2009		1.2	0.07	0.2	0.19	0.18	0.13	0.6	1.2	0.7	0	0.1	0	2.8	1.7	0.1
	Average		**1.20**	**0.07**	**0.20**	**0.19**	**0.18**	**0.13**	**0.60**	**1.20**	**0.70**	**0.00**	**0.10**	**0.00**	**2.80**	**1.70**	**0.10**
Stock Well #11	6/29/2009		1.2	0	0.2	0.94	0.17	0.21	1.1	1.2	0.8	0.04	0.1	0	2.8	1.7	0
	Average		**1.20**	**0.00**	**0.20**	**0.94**	**0.17**	**0.21**	**1.10**	**1.20**	**0.80**	**0.04**	**0.10**	**0.00**	**2.80**	**1.70**	**0.00**
Stock Well #12	6/29/2009		1.2	0	0.2	0.13	0.19	0.13	1.1	1	0.6	0	0.09	0	2.8	1.7	0.03
	Average		**1.20**	**0.00**	**0.20**	**0.13**	**0.19**	**0.13**	**1.10**	**1.00**	**0.60**	**0.00**	**0.09**	**0.00**	**2.80**	**1.70**	**0.03**
Stock Well #13	6/29/2009		1.2	0.2	0.3	2	0.2	0.3	0.1	1	0.6	0.003		0.08	0	1.7	0
	Average		**1.20**	**0.20**	**0.30**	**2.00**	**0.20**	**0.30**	**0.10**	**1.00**	**0.60**	**0.00**	**#DIV/0!**	**0.08**	**0.00**	**1.70**	**0.00**
Stock Well #15	6/30/2009		1.2	0.04	0.2	0.28	0.17	0.14	0.9	1.2	0.7	0.01	0.06	0	5.9	3.5	0.2
	Average		**1.20**	**0.04**	**0.20**	**0.28**	**0.17**	**0.14**	**0.90**	**1.20**	**0.70**	**0.01**	**0.06**	**0.00**	**5.90**	**3.50**	**0.20**
Stock Well #16	6/30/2009		1.2	0.3	0.5	0.13	0.18	0.12	0.6	1.2	0.7	0.002	0.1	0	2.8	1.7	0
	Average		**1.20**	**0.30**	**0.50**	**0.13**	**0.18**	**0.12**	**0.60**	**1.20**	**0.70**	**0.00**	**0.10**	**0.00**	**2.80**	**1.70**	**0.00**

1. A "0" value represents below minimum detectable limits.

Well	Collection Date	Analyte	Polonium 210 precision (±) (pCi/L)	Radium 226 (pCi/L) SUS	Radium 226 MDC (pCi/L) SUS	Radium 226 precision (±) (pCi/L)	Radium 228 (pCi/L)	Radium 228 MDC (pCi/L)	Radium 228 precision (±) (pCi/L)	Thorium 230 (pCi/L) SUS	Thorium 230 precision (±) (pCi/L)	Uranium (mg/L) SUS
Stock Well #1	11/6/2008		0.3	0.1	0.3	0.2	NOT ANALYZED			0	0.03	0.0003
	Average		**0.30**	**0.10**	**0.30**	**0.20**				**0.00**	**0.03**	**0.0003**
Stock Well #2	11/6/2008		0.4	0.3	0.3	0.2	NOT ANALYZED			0	0.05	0.0003
	Average		**0.40**	**0.30**	**0.30**	**0.20**				**0.00**	**0.05**	**0.0003**
Stock Well #3	11/10/2008		0.3	0.2	0.3	0.2	NOT ANALYZED			0	0.05	0.0003
	6/30/2009		0.2	0	0.04	0.02				0.06	0.04	0.0003
	Average		**0.25**	**0.10**	**0.17**	**0.11**				**0.03**	**0.05**	**0.0003**
Stock Well #7	6/30/2009		0.1	0	0.04	0.02	NOT ANALYZED			0.5	0.2	0.0003
	Average		**0.10**	**0.00**	**0.04**	**0.02**				**0.50**	**0.20**	**0.0003**
Stock Well #8	6/29/2009		0.2	0	0.04	0.02	NOT ANALYZED			0	0.2	0.0003
	Average		**0.20**	**0.00**	**0.04**	**0.02**				**0.00**	**0.20**	**0.0003**
Stock Well #9	11/20/2008		1	0	0.4	0.2	NOT ANALYZED			0.1	0.2	0.0003
	Average		**1.00**	**0.00**	**0.40**	**0.20**				**0.10**	**0.20**	**0.0003**
Stock Well #10	6/30/2009		0.2	0.03	0.04	0.02	NOT ANALYZED			0.01	0.06	0.0003
	Average		**0.20**	**0.03**	**0.04**	**0.02**				**0.01**	**0.06**	**0.0003**
Stock Well #11	6/29/2009		0.4	0	0.04	0.2	NOT ANALYZED			0	0.05	0.0003
	Average		**0.40**	**0.00**	**0.04**	**0.20**				**0.00**	**0.05**	**0.0003**
Stock Well #12	6/29/2009		0.2	0	0.04	0.02	NOT ANALYZED			0	0.03	0.0003
	Average		**0.20**	**0.00**	**0.04**	**0.02**				**0.00**	**0.03**	**0.0003**
Stock Well #13	6/29/2009		0.1	0.03	0.04	0.03	NOT ANALYZED			0	0.05	0.0003
	Average		**0.10**	**0.03**	**0.00**	**0.03**				**0.00**	**0.05**	**0.0003**
Stock Well #15	6/30/2009		0.4	0	0.08	0.04	NOT ANALYZED			0	0.08	0.0003
	Average		**0.40**	**0.00**	**0.08**	**0.04**				**0.00**	**0.08**	**0.0003**
Stock Well #16	6/30/2009		0.1	0.008	0.04	0.02	NOT ANALYZED			0	0.04	0.0003
	Average		**0.10**	**0.01**	**0.04**	**0.02**				**0.00**	**0.04**	**0.0003**

1. A "0" value represents below minimum detectable limits.

Uranium One - Wyoming
Sampling Schedule

Ludeman 2008 & 2009

2008													2009											
Location I.D.	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
N-1															3/20			6/24			9/16			
N-2															3/19			6/22			9/16			
N-3											11/15				3/14			6/24			9/15			
N-4											11/15				3/14			6/25			9/16			
N-5											11/15				3/14			6/25			9/16			
N-6											11/15				3/14			6/25			9/15			
N-7											11/15				3/14			6/26			9/16			
N-8															3/21			6/25			9/23			
N-9															3/19			WD			9/22			
N-10															3/19			WD			9/22			
N-11											11/10				3/16			6/18			9/22			
N-12											11/12				3/17			6/22			9/25			
N-13											11/21				3/25			6/19			9/16			
N-14																					9/23			
N-15											11/7				3/18			6/19			9/23			
N-16											11/11				3/20			6/24			9/14			
N-17											11/10				3/20			6/19			9/14			
N-18															3/25			6/17			9/23			
N-19											11/13				3/16			6/17			9/15			
N-20															3/17			WD			WD			
N-21											11/10				3/20			6/17			9/23			
N-22											11/21				3/31					8/4	9/23			
N-23											11/7				3/17			6/18			9/22			

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-1				
Parameters	**3/20/2009**	**6/24/2009**	**9/16/2009**		**Average**
Bicarbonate as HCO3, mg/L	247	241	248		245
Carbonate as CO3, mg/L	<1	<1	<5		<3
Chloride, mg/L	<1	1	2		1
Conductivity, umhos/cm	835	819	800		818
Fluoride, mg/L	0.9	0.9	0.9		0.9
pH, s.u.	7.59	7.65	7.60		7.61
Solids, Total Dissolved TDS @ 180 C, mg/L	595	567	561		574
Sulfate, mg/L	251	237	237		242
Gross Alpha, pci/L (dissolved)	29.9	33.9	29.3		31.0
Gross Beta, pci/L (dissolved)	13.8	15.3	12.9		14.0
Lead 210, pci/L (dissolved)	<6.9	<2.2	<0.8		<3.3
Polonium 210, pci/L (dissolved)	<0.4	<0.9	<0.6		<0.7
Radium 226, pci/L (dissolved)	0.36	0.37	0.83		0.52
Radium 228, pci/L (dissolved)	2.0	2.2	1.9		2.0
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.09		<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05		<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	<0.05	<0.05	<0.05		<0.05
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Arsenic, mg/L (dissolved)	0.001	<0.001	<0.001		<0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Boron, mg/L (dissolved)	0.1	<0.1	<0.1		<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005		<0.005
Calcium, mg/L	123	102	108		111
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01		<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03		<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Magnesium, mg/L	21	22	23		22
Manganese, mg/L (dissolved)	0.09	<0.01	0.07		0.06
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Potassium, mg/L	8	9	9		9
Selenium, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Silica, mg/L	16.2	15.8	18.8		16.9
Sodium, mg/L	28	24	24		25
Uranium, mg/L (dissolved)	0.0108	0.0114	0.0118		0.0113
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Zinc, mg/L (dissolved)	<0.01	0.01	<0.01		<0.01
Iron, TOTAL mg/L	0.16	0.12	0.18		0.15
Manganese, TOTAL mg/L	0.10	0.09	0.09		0.09
Lead 210, suspended pci/L	<7.4	<3.3	<4.3		<5.1
Polonium 210 suspended, pci/L	<0.6	<0.4	0.4		<0.5
Radium 226 suspended, pci/L	0.6	<0.05	<0.2		<0.3
Thorium 230 suspended, pci/L	<0.3	0.08	<0.1		<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003		<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-2				
Parameters	**3/19/2009**	**6/22/2009**	**9/16/2009**		**Average**
Bicarbonate as HCO3, mg/L	248	248	259		252
Carbonate as CO3, mg/L	<1	<1	<5		<3
Chloride, mg/L	1	2	2		2
Conductivity, umhos/cm	852	831	820		834
Fluoride, mg/L	0.7	0.7	0.7		0.7
pH, s.u.	7.81	7.77	7.70		7.76
Solids, Total Dissolved TDS @ 180 C, mg/L	609	563	590		587
Sulfate, mg/L	256	247	245		249
Gross Alpha, pci/L (dissolved)	52	51.7	54.8		52.8
Gross Beta, pci/L (dissolved)	17.9	19.3	14.3		17.2
Lead 210, pci/L (dissolved)	<9.9	<2.2	<0.8		<4.3
Polonium 210, pci/L (dissolved)	<0.9	<0.8	<0.8		<0.9
Radium 226, pci/L (dissolved)	0.35	0.36	<0.23		0.31
Radium 228, pci/L (dissolved)	1.8	1.3	2.5		1.9
Thorium 230, pci/L (dissolved)	<0.1	<0.1	<0.2		<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05		<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	0.10	0.09	0.1		0.10
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Arsenic, mg/L (dissolved)	0.001	0.001	0.001		0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005		<0.005
Calcium, mg/L	124	108	111		114
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01		<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03		<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Magnesium, mg/L	21	22	23		22
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01		<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Potassium, mg/L	8	8	8		8
Selenium, mg/L (dissolved)	0.002	0.003	0.003		0.003
Silica, mg/L	16.8	17.1	20.0		18.0
Sodium, mg/L	30	30	29		30
Uranium, mg/L (dissolved)	0.0198	0.0200	0.0211		0.0203
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Zinc, mg/L (dissolved)	0.01	0.02	0.01		0.01
Iron, TOTAL mg/L	<0.03	<0.03	<0.03		<0.03
Manganese, TOTAL mg/L	<0.01	<0.01	<0.01		<0.01
Lead 210, suspended pci/L	<7.5	<3.3	<4.3		<5.1
Polonium 210 suspended, pci/L	<0.8	<0.6	<0.5		<0.7
Radium 226 suspended, pci/L	0.3	<0.05	<0.2		<0.2
Thorium 230 suspended, pci/L	<0.5	<0.1	<0.08		<0.3
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003		<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-3				
Parameters	**11/15/2008**	**3/14/2009**	**6/24/2009**	**9/15/2009**	**Average**
Bicarbonate as HCO3, mg/L	193	136	135	142	152
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	78	119	131	130	115
Conductivity, umhos/cm	1380	1650	1610	1600	1560
Fluoride, mg/L	0.3	0.2	0.2	0.3	0.3
pH, s.u.	7.72	7.52	7.68	7.80	7.68
Solids, Total Dissolved TDS @ 180 C, mg/L	980	1260	1400	1310	1238
Sulfate, mg/L	456	608	626	622	578
Gross Alpha, pci/L (dissolved)	87.6	78.6	224.0	109.0	124.8
Gross Beta, pci/L (dissolved)	25.9	19.9	64.2	25.7	33.9
Lead 210, pci/L (dissolved)	<4.0	8.3	<2.2	2.5	4.3
Polonium 210, pci/L (dissolved)	<1.0	<0.5	<0.5	<0.8	<0.7
Radium 226, pci/L (dissolved)	<0.4	0.47	0.49	0.86	0.56
Radium 228, pci/L (dissolved)	<2.3	2.4	1.4	4.2	2.6
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.1	<0.2	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	3.73	3.16	3.05	3.2	3.29
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	0.002	0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	221	264	252	257	249
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	33	40	37	38	37
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	11	14	13	13	13
Selenium, mg/L (dissolved)	0.097	0.120	0.111	0.113	0.110
Silica, mg/L	16.3	12.9	13.6	14.2	14.3
Sodium, mg/L	34	42	35	37	37
Uranium, mg/L (dissolved)	0.0450	0.0389	0.0362	0.0377	0.0395
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.01	0.01	0.01	<0.01	0.01
Iron, TOTAL mg/L	0.73	0.39	<0.03	0.03	0.30
Manganese, TOTAL mg/L	0.01	<0.01	<0.01	<0.01	<0.01
Lead 210, suspended pci/L	<8.4	<6.0	<4.8	<4.3	<5.9
Polonium 210 suspended, pci/L	<1.0	1.1	<0.7	<0.4	<0.8
Radium 226 suspended, pci/L	<0.4	<0.5	<0.1	<0.2	<0.3
Thorium 230 suspended, pci/L	<0.2	<0.4	<0.1	<0.06	<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-4				
Parameters	**11/15/2008**	**3/14/2009**	**6/25/2009**	**9/16/2009**	**Average**
Bicarbonate as HCO3, mg/L	315	318	321	335	322
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	8	7	7	8	8
Conductivity, umhos/cm	881	880	855	860	869
Fluoride, mg/L	0.2	0.1	0.1	0.2	0.2
pH, s.u.	7.41	7.27	7.50	7.70	7.47
Solids, Total Dissolved TDS @ 180 C, mg/L	582	574	593	601	588
Sulfate, mg/L	186	210	183	183	191
Gross Alpha, pci/L (dissolved)	91	133	38.7	130.0	98.3
Gross Beta, pci/L (dissolved)	43.2	29.6	19.3	35.8	32.0
Lead 210, pci/L (dissolved)	<4.0	4.8	<2.2	<0.8	<3.0
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.5	<0.7	<0.8
Radium 226, pci/L (dissolved)	0.53	0.69	0.72	0.53	0.62
Radium 228, pci/L (dissolved)	3.0	2.9	2.0	4.4	3.1
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.2	<0.1	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	3.00	3.60	3.06	3.3	3.24
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	135	111	122	117	121
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	22	19	20	19	20
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	10	10	10	10	10
Selenium, mg/L (dissolved)	0.031	0.028	0.024	0.027	0.028
Silica, mg/L	20.1	15.9	17.1	17.6	17.7
Sodium, mg/L	36	36	33	33	35
Uranium, mg/L (dissolved)	0.0725	0.0723	0.0741	0.0737	0.0732
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.01	<0.01	<0.01	<0.01	<0.01
Iron, TOTAL mg/L	1.3	3.85	0.48	0.07	1.43
Manganese, TOTAL mg/L	0.02	0.04	<0.01	<0.01	0.002
Lead 210, suspended pci/L	<8.5	<6.2	<3.3	<4.3	<5.6
Polonium 210 suspended, pci/L	1.2	1.0	<0.6	<0.5	0.9
Radium 226 suspended, pci/L	<0.5	<0.4	0.06	<0.2	<0.3
Thorium 230 suspended, pci/L	0.2	0.4	<0.9	<0.09	0.4
Uranium suspended, pci/L	0.0003	0.0011	<0.0003	<0.0003	0.0005

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-5				
Parameters	**11/15/2008**	**3/14/2009**	**6/25/2009**	**9/16/2009**	**Average**
Bicarbonate as HCO3, mg/L	337	344	345	355	345
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	5	6	5	5	5
Conductivity, umhos/cm	908	906	884	890	897
Fluoride, mg/L	0.2	0.1	0.1	0.2	0.2
pH, s.u.	7.55	7.36	7.52	7.70	7.53
Solids, Total Dissolved TDS @ 180 C, mg/L	593	583	609	612	599
Sulfate, mg/L	196	219	186	186	197
Gross Alpha, pci/L (dissolved)	106	136	37.5	105.0	96.1
Gross Beta, pci/L (dissolved)	36.6	25.8	8.9	40.8	28.0
Lead 210, pci/L (dissolved)	<4.0	4.2	<2.2	<0.8	<2.8
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.7	<0.7	<0.8
Radium 226, pci/L (dissolved)	<0.38	0.85	1.0	0.76	0.75
Radium 228, pci/L (dissolved)	<2.3	1.9	2.2	3.7	2.5
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.2	<0.1	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	3.13	3.80	3.58	3.7	3.55
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.002	0.006	0.001	0.001	0.003
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	131	124	58	122	109
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	23	22	21	21	22
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	10	10	10	10	10
Selenium, mg/L (dissolved)	0.026	0.027	0.029	0.024	0.027
Silica, mg/L	17.2	14.7	16.8	16.0	16.2
Sodium, mg/L	29	32	30	29	30
Uranium, mg/L (dissolved)	0.0771	0.0806	0.0797	0.0838	0.0803
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.02	0.07	<0.01	0.01	0.03
Iron, TOTAL mg/L	33.7	13.9	2.11	0.71	12.61
Manganese, TOTAL mg/L	0.17	0.07	0.01	<0.01	0.07
Lead 210, suspended pci/L	<8.3	<6.2	<3.4	<4.3	<5.6
Polonium 210 suspended, pci/L	17.3	1.6	<0.7	0.8	5.1
Radium 226 suspended, pci/L	4.5	1.6	0.4	0.6	1.8
Thorium 230 suspended, pci/L	2.5	0.9	0.3	1.2	1.2
Uranium suspended, pci/L	0.0073	0.0039	0.0008	0.0049	0.0042

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-6				
Parameters	**11/15/2008**	**3/14/2009**	**6/25/2009**	**9/15/2009**	**Average**
Bicarbonate as HCO3, mg/L	233	239	237	243	238
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	<1	<1	1	2	1
Conductivity, umhos/cm	817	814	799	800	808
Fluoride, mg/L	0.9	0.8	0.9	0.9	0.9
pH, s.u.	7.74	7.49	7.68	7.90	7.70
Solids, Total Dissolved TDS @ 180 C, mg/L	541	546	565	568	555
Sulfate, mg/L	240	259	238	242	245
Gross Alpha, pci/L (dissolved)	44.7	41.9	79.8	27.1	48.4
Gross Beta, pci/L (dissolved)	24.4	15.4	21.4	13.3	18.6
Lead 210, pci/L (dissolved)	<4.0	5.3	<2.2	<0.8	<3.1
Polonium 210, pci/L (dissolved)	<1.0	<0.6	<0.7	<0.5	<0.7
Radium 226, pci/L (dissolved)	0.54	0.63	0.51	1.0	0.67
Radium 228, pci/L (dissolved)	<2.3	3.0	3.3	5.4	3.5
Thorium 230, pci/L (dissolved)	<0.2	<0.3	<0.1	<0.2	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	<0.001	<0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	124	107	104	108	111
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	25	22	21	22	23
Manganese, mg/L (dissolved)	0.15	0.15	0.16	0.15	0.15
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	8	8	8	8	8
Selenium, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica, mg/L	22.0	17.2	16.5	19.1	18.7
Sodium, mg/L	27	29	25	26	27
Uranium, mg/L (dissolved)	0.0090	0.0100	0.0094	0.0099	0.0096
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.01	0.08	<0.01	<0.01	0.03
Iron, TOTAL mg/L	0.03	0.09	<0.03	0.03	0.05
Manganese, TOTAL mg/L	0.17	0.16	0.15	0.16	0.16
Lead 210, suspended pci/L	<8.5	<6.1	<3.3	<4.3	<5.6
Polonium 210 suspended, pci/L	<1.0	<0.6	<0.4	<0.4	<0.6
Radium 226 suspended, pci/L	<0.4	<0.4	0.08	<0.2	<0.3
Thorium 230 suspended, pci/L	<0.2	<0.4	<0.09	<0.08	<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-7				
Parameters	**11/15/2008**	**3/14/2009**	**6/26/2009**	**9/16/2009**	**Average**
Bicarbonate as HCO3, mg/L	334	336	335	346	338
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	7	7	6	8	7
Conductivity, umhos/cm	1010	1000	978	980	992
Fluoride, mg/L	0.1	0.1	0.1	0.1	0.1
pH, s.u.	7.55	7.25	7.62	7.80	7.56
Solids, Total Dissolved TDS @ 180 C, mg/L	665	688	686	713	688
Sulfate, mg/L	257	261	249	246	253
Gross Alpha, pci/L (dissolved)	166.0	160	174.0	191.0	172.8
Gross Beta, pci/L (dissolved)	52	40.7	43.1	50.8	46.7
Lead 210, pci/L (dissolved)	<8.0	12	<2.2	<0.8	<5.8
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.6	<0.8	<0.6
Radium 226, pci/L (dissolved)	0.56	0.73	1.10	1.1	0.87
Radium 228, pci/L (dissolved)	4.6	4.3	4.9	8.2	5.5
Thorium 230, pci/L (dissolved)	<0.2	<0.3	<0.1	<0.2	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	3.71	3.92	3.8	3.9	3.83
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	<0.001	0.001	<0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	0.01	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	155	147	140	139	145
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	26	24	23	23	24
Manganese, mg/L (dissolved)	<0.01	0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	10	10	11	10	10
Selenium, mg/L (dissolved)	0.038	0.037	0.034	0.035	0.036
Silica, mg/L	18.1	15.1	17.1	17.6	17.0
Sodium, mg/L	35	33	34	33	34
Uranium, mg/L (dissolved)	0.0970	0.1010	0.0986	0.1020	0.0997
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.02	0.08	0.02	0.01	0.03
Iron, TOTAL mg/L	0.17	<0.03	<0.03	<0.03	<0.07
Manganese, TOTAL mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Lead 210, suspended pci/L	<8.4	<6.3	<3.3	<4.4	<5.6
Polonium 210 suspended, pci/L	<1.0	<0.6	<0.6	<0.4	<0.7
Radium 226 suspended, pci/L	<0.5	<0.5	<0.05	<0.2	<0.4
Thorium 230 suspended, pci/L	<0.2	<0.3	<0.07	<0.1	<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-8				
Parameters	**3/21/2009**	**6/25/2009**	**9/23/2009**		**Average**
Bicarbonate as HCO3, mg/L	258	257	267		261
Carbonate as CO3, mg/L	<1	<1	<5		<3
Chloride, mg/L	2	3	3		3
Conductivity, umhos/cm	550	553	516		540
Fluoride, mg/L	0.6	0.5	0.5		0.5
pH, s.u.	7.62	7.80	7.84		7.75
Solids, Total Dissolved TDS @ 180 C, mg/L	353	330	310		331
Sulfate, mg/L	83	76	77		79
Gross Alpha, pci/L (dissolved)	<2.1	6.8	<3.0		<4.0
Gross Beta, pci/L (dissolved)	6.2	6.2	7.2		6.5
Lead 210, pci/L (dissolved)	<8.6	<2.2	<3.7		<4.9
Polonium 210, pci/L (dissolved)	<0.6	<0.5	<0.5		<0.6
Radium 226, pci/L (dissolved)	0.45	0.51	0.81		0.59
Radium 228, pci/L (dissolved)	<1.1	<1.1	1.5		<1.3
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.4		<0.3
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05		<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	<0.05	<0.05	<0.05		<0.05
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Arsenic, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Boron, mg/L (dissolved)	0.1	<0.1	<0.1		<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005		<0.005
Calcium, mg/L	76	65	68		70
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01		<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03		<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Magnesium, mg/L	14	15	15		15
Manganese, mg/L (dissolved)	0.03	0.03	0.03		0.03
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Potassium, mg/L	7	7	7		7
Selenium, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Silica, mg/L	7.3	8.5	6.7		7.5
Sodium, mg/L	22	20	21		21
Uranium, mg/L (dissolved)	0.0006	0.0005	0.0004		0.0005
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Zinc, mg/L (dissolved)	<0.01	<0.01	<0.01		<0.01
Iron, TOTAL mg/L	0.20	0.23	0.31		0.25
Manganese, TOTAL mg/L	0.03	0.03	0.03		0.03
Lead 210, suspended pci/L	<8.6	<3.3	<1.7		<4.6
Polonium 210 suspended, pci/L	<0.6	<0.5	<0.5		<0.6
Radium 226 suspended, pci/L	0.45	0.09	<0.2		0.25
Thorium 230 suspended, pci/L	<0.2	<0.5	<0.06		<0.26
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003		<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-9				
Parameters	**3/19/2009**	**6/18/2009**	**9/22/2009**		**Average**
Bicarbonate as HCO3, mg/L	307	Well not working	316		312
Carbonate as CO3, mg/L	<1		<5		<3
Chloride, mg/L	13		12		13
Conductivity, umhos/cm	1170		1150		1160
Fluoride, mg/L	0.1		0.1		0.1
pH, s.u.	7.73		7.70		7.72
Solids, Total Dissolved TDS @ 180 C, mg/L	862		845		854
Sulfate, mg/L	346		350		348
Gross Alpha, pci/L (dissolved)	145		218		182
Gross Beta, pci/L (dissolved)	34.9		41.0		38.0
Lead 210, pci/L (dissolved)	<9.9		<3.7		<6.8
Polonium 210, pci/L (dissolved)	<0.5		<0.5		<0.5
Radium 226, pci/L (dissolved)	0.23		0.31		0.27
Radium 228, pci/L (dissolved)	1.1		2.1		1.6
Thorium 230, pci/L (dissolved)	<0.2		<0.6		<0.4
Nitrogen, Ammonia as N, mg/L	<0.05		<0.05		<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	7.09		6.3		6.7
Aluminum, mg/L (dissolved)	<0.1		<0.1		<0.1
Arsenic, mg/L (dissolved)	<0.001		<0.001		<0.001
Barium, mg/L (dissolved)	<0.1		<0.1		<0.1
Boron, mg/L (dissolved)	0.1		<0.1		0.1
Cadmium, mg/L (dissolved)	<0.005		<0.005		<0.005
Calcium, mg/L	199		183		191
Chromium, mg/L (dissolved)	<0.05		<0.05		<0.05
Copper, mg/L (dissolved)	<0.01		<0.01		<0.01
Iron, mg/L (dissolved)	<0.03		<0.03		<0.03
Lead, mg/L (dissolved)	<0.001		<0.001		<0.001
Magnesium, mg/L	24		26		25
Manganese, mg/L (dissolved)	<0.01		0.01		0.01
Mercury, mg/L (dissolved)	<0.001		<0.001		<0.001
Molybdenum, mg/L (dissolved)	<0.1		<0.1		<0.1
Nickel, mg/L (dissolved)	<0.05		<0.05		<0.05
Potassium, mg/L	12		12		12
Selenium, mg/L (dissolved)	0.048		0.048		0.048
Silica, mg/L	16.0		14.3		15.2
Sodium, mg/L	41		37		39
Uranium, mg/L (dissolved)	0.0750		0.0880		0.0815
Vanadium, mg/L (dissolved)	<0.1		<0.1		<0.1
Zinc, mg/L (dissolved)	0.14		0.07		0.11
Iron, TOTAL mg/L	0.90		0.87		0.89
Manganese, TOTAL mg/L	<0.01		0.01		0.01
Lead 210, suspended pci/L	<7.4		<1.7		<4.6
Polonium 210 suspended, pci/L	<0.9		<0.4		<0.7
Radium 226 suspended, pci/L	0.5		<0.2		0.4
Thorium 230 suspended, pci/L	<0.4		<0.1		<0.3
Uranium suspended, pci/L	<0.0003		0.0004		0.0004

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-10				
Parameters	**3/19/2009**	**6/18/2009**	**9/22/2009**		**Average**
Bicarbonate as HCO3, mg/L	366	Well not working	374		370
Carbonate as CO3, mg/L	<1		<5		<3
Chloride, mg/L	6		6		6
Conductivity, umhos/cm	961		908		935
Fluoride, mg/L	0.5		0.5		0.5
pH, s.u.	7.77		7.78		7.78
Solids, Total Dissolved TDS @ 180 C, mg/L	670		648		659
Sulfate, mg/L	218		193		206
Gross Alpha, pci/L (dissolved)	175		161		168
Gross Beta, pci/L (dissolved)	40.9		37.5		39.2
Lead 210, pci/L (dissolved)	<8.6		<3.7		<6.2
Polonium 210, pci/L (dissolved)	<0.4		<0.6		<0.5
Radium 226, pci/L (dissolved)	0.36		0.27		0.32
Radium 228, pci/L (dissolved)	1.4		1.8		1.6
Thorium 230, pci/L (dissolved)	<0.2		<0.3		<0.3
Nitrogen, Ammonia as N, mg/L	<0.05		<0.05		<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	3.04		2.9		3.0
Aluminum, mg/L (dissolved)	<0.1		<0.1		<0.1
Arsenic, mg/L (dissolved)	<0.001		<0.001		<0.001
Barium, mg/L (dissolved)	<0.1		<0.1		<0.1
Boron, mg/L (dissolved)	0.1		<0.1		0.1
Cadmium, mg/L (dissolved)	<0.005		<0.005		<0.005
Calcium, mg/L	148		126		137
Chromium, mg/L (dissolved)	<0.05		<0.05		<0.05
Copper, mg/L (dissolved)	0.02		<0.01		0.02
Iron, mg/L (dissolved)	<0.03		<0.03		<0.03
Lead, mg/L (dissolved)	<0.001		<0.001		<0.001
Magnesium, mg/L	25		26		26
Manganese, mg/L (dissolved)	<0.01		0.01		0.01
Mercury, mg/L (dissolved)	<0.001		<0.001		<0.001
Molybdenum, mg/L (dissolved)	<0.1		<0.1		<0.1
Nickel, mg/L (dissolved)	<0.05		<0.05		<0.05
Potassium, mg/L	8		9		9
Selenium, mg/L (dissolved)	0.014		0.014		0.014
Silica, mg/L	15.1		13.0		14.1
Sodium, mg/L	31		29		30
Uranium, mg/L (dissolved)	0.0913		0.1030		0.0972
Vanadium, mg/L (dissolved)	<0.1		<0.1		<0.1
Zinc, mg/L (dissolved)	0.1		0.16		0.14
Iron, TOTAL mg/L	0.37		0.41		0.39
Manganese, TOTAL mg/L	<0.01		0.01		0.01
Lead 210, suspended pci/L	<7.5		<1.7		<4.6
Polonium 210 suspended, pci/L	<0.7		<0.3		<.05
Radium 226 suspended, pci/L	0.3		<0.2		0.3
Thorium 230 suspended, pci/L	<0.4		<0.08		<0.3
Uranium suspended, pci/L	<0.0003		<0.0003		<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-11				
Parameters	**11/10/2008**	**3/16/2009**	**6/18/2009**	**9/22/2009**	**Average**
Bicarbonate as HCO3, mg/L	279	280	306	293	290
Carbonate as CO3, mg/L	<1	<1	<1	<1	<1
Chloride, mg/L	41	35	20	43	35
Conductivity, umhos/cm	1060	1070	1030	1050	1053
Fluoride, mg/L	0.2	0.2	0.2	0.2	0.2
pH, s.u.	7.96	7.54	7.56	7.66	7.68
Solids, Total Dissolved TDS @ 180 C, mg/L	709	717	725	698	712
Sulfate, mg/L	207	208	238	186	210
Gross Alpha, pci/L (dissolved)	113	118	156	99.1	122
Gross Beta, pci/L (dissolved)	36.9	22.8	29.0	35.3	31.0
Lead 210, pci/L (dissolved)	<4.7	<3.2	<2.8	<3.8	<3.7
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.9	<0.6	<0.8
Radium 226, pci/L (dissolved)	0.73	0.27	1.60	0.88	0.87
Radium 228, pci/L (dissolved)	4.4	<1.6	5.8	5.6	4.4
Thorium 230, pci/L (dissolved)	<0.2	<0.2	0.1	<0.2	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	22	24.2	9.5	19.2	18.7
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	<0.001	0.001	<0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	166	153	135	158	153
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	0.02	<0.01	<0.01	<0.02
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	26	24	23	24	24
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	11	10	10	11	11
Selenium, mg/L (dissolved)	0.043	0.042	0.043	0.038	0.042
Silica, mg/L	19.0	17.2	17.9	13.4	16.9
Sodium, mg/L	26	25	28	25	26
Uranium, mg/L (dissolved)	0.0598	0.0547	0.0826	0.0605	0.0644
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.02	0.02	0.02	0.02	0.02
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Lead 210, suspended pci/L	<9.9	<6.3	<4.8	<1.8	<5.7
Polonium 210 suspended, pci/L	<1.0	<0.5	<0.5	<0.5	<0.7
Radium 226 suspended, pci/L	<0.4	<0.5	<0.07	<0.2	<0.3
Thorium 230 suspended, pci/L	0.3	<0.8	<0.1	<0.1	<0.4
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-12				
Parameters	**11/12/2008**	**3/17/2009**	**6/22/2009**	**9/25/2009**	**Average**
Bicarbonate as HCO3, mg/L	244	244	244	254	247
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	<1	<1	1	1	1
Conductivity, umhos/cm	860	857	845	841	851
Fluoride, mg/L	0.8	0.8	0.8	0.8	0.8
pH, s.u.	7.95	7.37	7.80	7.59	7.68
Solids, Total Dissolved TDS @ 180 C, mg/L	592	610	610	589	600
Sulfate, mg/L	276	261	254	254	261
Gross Alpha, pci/L (dissolved)	35.6	46.1	37.4	39.6	39.7
Gross Beta, pci/L (dissolved)	15.1	12.7	12.3	15.8	14.0
Lead 210, pci/L (dissolved)	<9.4	<2.7	<2.2	<2.0	<4.1
Polonium 210, pci/L (dissolved)	<1.0	<0.6	<0.5	<0.6	<0.7
Radium 226, pci/L (dissolved)	<0.46	0.28	0.21	0.35	0.32
Radium 228, pci/L (dissolved)	<1.9	1.6	<1.1	1.7	1.6
Thorium 230, pci/L (dissolved)	<0.2	<0.4	<0.1	<0.6	<0.4
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	0.28	0.39	0.27	0.2	0.29
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	0.001	0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	132	111	109	116	117
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	28	25	23	24	25
Manganese, mg/L (dissolved)	0.02	0.02	0.02	0.02	0.02
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	9	9	9	8	9
Selenium, mg/L (dissolved)	<0.001	0.001	<0.001	<0.001	<0.001
Silica, mg/L	22.3	18.6	16.9	15.3	18.3
Sodium, mg/L	30	33	27	26	29
Uranium, mg/L (dissolved)	0.0128	0.0136	0.0129	0.0127	0.0130
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	<0.01	<0.01	0.01	<0.01	<0.01
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	0.04	0.04	0.03	0.03	0.04
Lead 210, suspended pci/L	<10	<6.2	<3.3	<1.8	<5.4
Polonium 210 suspended, pci/L	<1.0	<0.7	<0.6	<0.4	<0.7
Radium 226 suspended, pci/L	<0.4	<0.5	0.2	<0.2	<0.4
Thorium 230 suspended, pci/L	<0.2	<0.4	<0.09	<0.07	<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-13				
Parameters	**11/21/2008**	**3/25/2009**	**6/19/2009**	**9/16/2009**	**Average**
Bicarbonate as HCO3, mg/L	229	241	234	240	236
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	13	8	8	7	9
Conductivity, umhos/cm	824	842	821	810	824
Fluoride, mg/L	0.8	0.8	0.8	0.9	0.8
pH, s.u.	7.61	7.66	7.64	7.80	7.68
Solids, Total Dissolved TDS @ 180 C, mg/L	592	568	563	581	576
Sulfate, mg/L	243	234	229	233	235
Gross Alpha, pci/L (dissolved)	44.0	39.6	58.8	44.1	46.6
Gross Beta, pci/L (dissolved)	29.3	16.1	15.8	17.0	19.6
Lead 210, pci/L (dissolved)	<4.4	<2.7	<2.8	<0.8	<2.7
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.8	<0.8	<0.9
Radium 226, pci/L (dissolved)	0.7	1.4	1.3	0.67	1.0
Radium 228, pci/L (dissolved)	4.1	4.2	3.8	4.7	4.2
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.1	<0.1	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	0.7	0.4	0.4	0.4	0.5
Aluminum, mg/L (dissolved)	<0.1	3.4	<0.1	<0.1	<1.0
Arsenic, mg/L (dissolved)	0.003	0.001	0.001	0.001	0.002
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	0.1	<0.1	0.1	<0.1	0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	114	106	110	105	109
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	0.08	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	0.36	<0.03	<0.03	<0.12
Lead, mg/L (dissolved)	<0.001	0.005	<0.001	<0.001	<0.002
Magnesium, mg/L	23	22	23	22	23
Manganese, mg/L (dissolved)	<0.01	0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	8	8	9	8	8
Selenium, mg/L (dissolved)	0.009	0.006	0.005	0.004	0.006
Silica, mg/L	19.3	18.4	19.4	19.0	19.0
Sodium, mg/L	28	29	28	26	28
Uranium, mg/L (dissolved)	0.0179	0.0149	0.0141	0.0133	0.0151
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	<0.01	0.26	<0.01	<0.01	<0.008
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	<0.01	<0.01	<0.01	0.01	<0.01
Lead 210, suspended pci/L	<9.6	4.1	<4.8	<4.4	<5.8
Polonium 210 suspended, pci/L	<0.3	<0.3	<0.5	<0.5	<0.4
Radium 226 suspended, pci/L	<0.5	<0.08	<0.07	<0.2	<0.22
Thorium 230 suspended, pci/L	<0.2	<0.3	<0.1	<0.06	<0.17
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-14				
Parameters	**9/23/2009**				**Average**
Bicarbonate as HCO3, mg/L	250				250
Carbonate as CO3, mg/L	<5				<5
Chloride, mg/L	71				71
Conductivity, umhos/cm	722				722
Fluoride, mg/L	0.3				0.3
pH, s.u.	7.74				7.74
Solids, Total Dissolved TDS @ 180 C, mg/L	455				455
Sulfate, mg/L	59				59
Gross Alpha, pci/L (dissolved)	66.5				66.5
Gross Beta, pci/L (dissolved)	17.4				17.4
Lead 210, pci/L (dissolved)	<3.7				<3.7
Polonium 210, pci/L (dissolved)	<0.6				<0.6
Radium 226, pci/L (dissolved)	0.90				0.90
Radium 228, pci/L (dissolved)	2.1				2.1
Thorium 230, pci/L (dissolved)	<0.4				<0.4
Nitrogen, Ammonia as N, mg/L	<0.05				<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	4.2				4.2
Aluminum, mg/L (dissolved)	<0.1				<0.1
Arsenic, mg/L (dissolved)	<0.001				<0.001
Barium, mg/L (dissolved)	<0.1				<0.1
Boron, mg/L (dissolved)	<0.1				<0.1
Cadmium, mg/L (dissolved)	<0.005				<0.005
Calcium, mg/L	98				98
Chromium, mg/L (dissolved)	<0.05				<0.05
Copper, mg/L (dissolved)	<0.01				<0.01
Iron, mg/L (dissolved)	<0.03				<0.03
Lead, mg/L (dissolved)	<0.001				<0.001
Magnesium, mg/L	16				16
Manganese, mg/L (dissolved)	<0.01				<0.01
Mercury, mg/L (dissolved)	<0.001				<0.001
Molybdenum, mg/L (dissolved)	<0.1				<0.1
Nickel, mg/L (dissolved)	<0.05				<0.05
Potassium, mg/L	9				9
Selenium, mg/L (dissolved)	0.007				0.007
Silica, mg/L	12.2				12.2
Sodium, mg/L	26				26
Uranium, mg/L (dissolved)	0.0368				0.0368
Vanadium, mg/L (dissolved)	<0.1				<0.1
Zinc, mg/L (dissolved)	<0.01				<0.01
Iron, TOTAL mg/L	0.36				0.36
Manganese, TOTAL mg/L	<0.01				<0.01
Lead 210, suspended pci/L	<1.7				<1.7
Polonium 210 suspended, pci/L	<0.5				<0.5
Radium 226 suspended, pci/L	<0.2				<0.2
Thorium 230 suspended, pci/L	<0.1				<0.1
Uranium suspended, pci/L	<0.0003				<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-15				
Parameters	**11/7/2008**	**3/18/2009**	**6/19/2009**	**9/23/2009**	**Average**
Bicarbonate as HCO3, mg/L	240	240	244	259	246
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	<1	<1	2	2	2
Conductivity, umhos/cm	839	840	824	809	828
Fluoride, mg/L	0.9	0.8	0.8	0.8	0.8
pH, s.u.	8.07	7.46	7.62	7.82	7.74
Solids, Total Dissolved TDS @ 180 C, mg/L	583	584	602	601	593
Sulfate, mg/L	266	252	240	242	250
Gross Alpha, pci/L (dissolved)	51.5	33.9	43.2	38.0	41.7
Gross Beta, pci/L (dissolved)	24.7	14.5	6.0	12.4	14.4
Lead 210, pci/L (dissolved)	<4.7	<2.7	<2.8	<3.7	<3.5
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.8	<0.7	<0.8
Radium 226, pci/L (dissolved)	<0.48	0.59	1.2	0.47	0.69
Radium 228, pci/L (dissolved)	3.4	2.2	2.3	2.9	2.7
Thorium 230, pci/L (dissolved)	<0.2	<0.3	<0.2	<0.3	<0.3
Nitrogen, Ammonia as N, mg/L	<0.1	<0.05	<0.05	<0.05	<0.07
Nitrogen, Nitrate+Nitrite as N, mg/L	0.16	0.15	<0.1	0.1	<0.13
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	0.001	0.001	<0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	134	104	115	114	117
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	28	23	25	23	25
Manganese, mg/L (dissolved)	0.13	0.12	0.13	0.13	0.13
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	9	8	9	9	9
Selenium, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica, mg/L	22.5	17.3	19.2	14.7	18.4
Sodium, mg/L	28	29	27	26	28
Uranium, mg/L (dissolved)	0.0146	0.0138	0.0154	0.0152	0.0148
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	<0.01	0.01	<0.01	<0.01	<0.01
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	0.15	0.13	0.13	0.13	0.14
Lead 210, suspended pci/L	<9.9	<6.2	<4.8	<1.7	<5.7
Polonium 210 suspended, pci/L	<1.0	<0.8	<0.6	<0.5	<0.8
Radium 226 suspended, pci/L	<0.4	<0.4	<0.09	<0.2	<0.3
Thorium 230 suspended, pci/L	<0.2	<0.4	<0.1	<0.1	<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-16				
Parameters	**11/11/2008**	**3/20/2009**	**6/24/2009**	**9/14/2009**	**Average**
Bicarbonate as HCO3, mg/L	250	247	242	250	247
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	11	8	6	6	8
Conductivity, umhos/cm	962	916	893	870	910
Fluoride, mg/L	0.6	0.7	0.7	0.7	0.7
pH, s.u.	7.73	7.40	7.62	7.70	7.61
Solids, Total Dissolved TDS @ 180 C, mg/L	660	670	616	626	643
Sulfate, mg/L	317	289	269	269	286
Gross Alpha, pci/L (dissolved)	55.4	44.7	34.0	43.2	44.3
Gross Beta, pci/L (dissolved)	25.2	16.3	16.6	21.5	19.9
Lead 210, pci/L (dissolved)	<4.7	<7.7	<2.2	<0.8	<3.9
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.4	<0.5	<0.7
Radium 226, pci/L (dissolved)	0.93	0.95	0.8	1.4	1.0
Radium 228, pci/L (dissolved)	<1.9	1.6	3.1	2.8	2.4
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.2	<0.1	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	0.06	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	<0.05	0.05	<0.05	<0.1	<0.07
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	0.001	<0.001	<0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	143	140	116	120	130
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	28	22	22	23	24
Manganese, mg/L (dissolved)	0.08	0.08	0.07	0.05	0.07
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	10	9	10	9	10
Selenium, mg/L (dissolved)	0.003	0.004	0.003	0.003	0.003
Silica, mg/L	18.4	14.7	14.4	17.1	16.2
Sodium, mg/L	36	33	30	29	32
Uranium, mg/L (dissolved)	0.0331	0.0279	0.0272	0.0266	0.0287
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.01	0.02	0.04	0.02	0.02
Iron, TOTAL mg/L	0.15	0.21	0.09	0.08	0.13
Manganese, TOTAL mg/L	0.08	0.08	0.07	0.07	0.08
Lead 210, suspended pci/L	<9.8	<7.5	<3.3	<4.3	<6.3
Polonium 210 suspended, pci/L	<1.0	<0.8	<0.5	<0.7	<0.8
Radium 226 suspended, pci/L	<0.4	0.7	<0.6	<0.2	<0.5
Thorium 230 suspended, pci/L	<0.2	<0.4	<0.07	<0.07	<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-17				
Parameters	**11/10/2008**	**3/20/2009**	**6/19/2009**	**9/14/2009**	**Average**
Bicarbonate as HCO3, mg/L	240	246	239	247	243
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	1	1	4	3	2
Conductivity, umhos/cm	876	879	854	850	865
Fluoride, mg/L	0.9	0.8	0.8	0.9	0.9
pH, s.u.	8.03	7.58	7.54	8.00	7.79
Solids, Total Dissolved TDS @ 180 C, mg/L	600	639	595	612	612
Sulfate, mg/L	293	285	260	267	276
Gross Alpha, pci/L (dissolved)	50.1	36.8	47.2	36.0	42.5
Gross Beta, pci/L (dissolved)	16.4	12.6	14.3	13.9	14.3
Lead 210, pci/L (dissolved)	<5.4	<8.6	<2.8	<0.8	<4.4
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.4	<0.6	<0.7
Radium 226, pci/L (dissolved)	<0.48	0.49	1.0	0.65	0.66
Radium 228, pci/L (dissolved)	<1.9	1.1	2.7	2.7	2.1
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.1	<0.1	<0.2
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	0.08	0.08	<0.1	<0.1	0.09
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.001	0.001	0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	129	135	118	117	125
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	26	22	24	23	24
Manganese, mg/L (dissolved)	0.12	0.12	0.12	0.12	0.12
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	9	8	9	9	9
Selenium, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica, mg/L	20.0	16.2	18.5	18.8	18.4
Sodium, mg/L	29	29	28	26	28
Uranium, mg/L (dissolved)	0.0123	0.0121	0.0129	0.0129	0.0126
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.01	<0.01	<0.01	<0.01	<0.01
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	0.15	0.13	0.13	0.13	0.14
Lead 210, suspended pci/L	<9.9	<7.5	<4.9	<4.3	<6.7
Polonium 210 suspended, pci/L	<1.0	<0.5	<0.5	<0.7	<0.7
Radium 226 suspended, pci/L	<0.4	0.3	<0.09	<0.2	<0.3
Thorium 230 suspended, pci/L	<0.2	<0.5	<0.09	<0.08	<0.3
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-18				
Parameters	**3/25/2009**	**6/17/2009**	**9/23/2009**		**Average**
Bicarbonate as HCO3, mg/L	317	318	339		325
Carbonate as CO3, mg/L	<1	<1	<5		<3
Chloride, mg/L	117	126	123		122
Conductivity, umhos/cm	1960	1860	1860		1893
Fluoride, mg/L	0.4	0.3	0.3		0.3
pH, s.u.	7.48	7.32	7.59		7.46
Solids, Total Dissolved TDS @ 180 C, mg/L	1460	1410	1380		1417
Sulfate, mg/L	609	589	560		586
Gross Alpha, pci/L (dissolved)	244	317	292		284
Gross Beta, pci/L (dissolved)	39.5	56.8	57.3		51.2
Lead 210, pci/L (dissolved)	<2.7	<2.8	<3.7		<3.1
Polonium 210, pci/L (dissolved)	<0.9	<0.7	<0.5		<0.7
Radium 226, pci/L (dissolved)	0.73	0.44	0.20		0.46
Radium 228, pci/L (dissolved)	1.4	<1.3	<1.2		<1.3
Thorium 230, pci/L (dissolved)	<0.3	<0.2	<0.4		<0.3
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05		<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	12	16	14.4		14
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Arsenic, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005		<0.005
Calcium, mg/L	287	272	270		276
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Copper, mg/L (dissolved)	0.03	0.03	0.03		0.03
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03		<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Magnesium, mg/L	52	47	46		48
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01		<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001		<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05		<0.05
Potassium, mg/L	8	8	7		8
Selenium, mg/L (dissolved)	0.125	0.125	0.112		0.121
Silica, mg/L	17.9	17.6	13.7		16.4
Sodium, mg/L	83	73	66		74
Uranium, mg/L (dissolved)	0.1700	0.1680	0.1960		0.1780
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1		<0.1
Zinc, mg/L (dissolved)	0.02	0.02	0.02		0.02
Iron, TOTAL mg/L	0.46	0.53	0.10		0.36
Manganese, TOTAL mg/L	0.01	0.03	<0.01		0.02
Lead 210, suspended pci/L	<4.2	<4.5	<1.7		<3.5
Polonium 210 suspended, pci/L	<0.5	<0.6	<0.5		<0.6
Radium 226 suspended, pci/L	<0.09	0.1	<0.2		<0.2
Thorium 230 suspended, pci/L	<0.2	<0.3	<0.05		<0.2
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003		<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-19				
Parameters	**11/13/2008**	**3/16/2009**	**6/17/2009**	**9/15/2009**	**Average**
Bicarbonate as HCO3, mg/L	248	250	251	257	252
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	5	4	5	4	5
Conductivity, umhos/cm	737	739	736	720	733
Fluoride, mg/L	0.7	0.7	0.7	0.8	0.7
pH, s.u.	7.64	7.44	7.59	8.00	7.67
Solids, Total Dissolved TDS @ 180 C, mg/L	464	465	498	516	486
Sulfate, mg/L	181	187	186	184	185
Gross Alpha, pci/L (dissolved)	69.7	58.1	43.6	54.3	56.4
Gross Beta, pci/L (dissolved)	34.2	16.8	17.5	22.1	22.7
Lead 210, pci/L (dissolved)	<4.7	5.3	<2.8	<0.8	<3.4
Polonium 210, pci/L (dissolved)	<1.0	<0.5	0.7	<0.7	<0.8
Radium 226, pci/L (dissolved)	<0.39	0.79	1.3	0.46	0.74
Radium 228, pci/L (dissolved)	3.7	3.4	4.8	4.7	4.2
Thorium 230, pci/L (dissolved)	<0.2	<0.5	<0.2	<0.2	<0.4
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	0.25	0.28	0.26	0.2	0.25
Aluminum, mg/L (dissolved)	<0.1	0.2	<0.1	<0.1	<0.2
Arsenic, mg/L (dissolved)	0.001	0.002	0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	111	94	99	95	100
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	0.03	<0.01	<0.01	<0.02
Iron, mg/L (dissolved)	<0.03	0.04	<0.03	<0.03	<0.04
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	23	20	20	20	21
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	8	8	8	8	8
Selenium, mg/L (dissolved)	0.007	0.007	0.007	0.008	0.007
Silica, mg/L	19.7	16.2	18.4	18.1	18.1
Sodium, mg/L	26	27	26	24	26
Uranium, mg/L (dissolved)	0.0330	0.0354	0.0337	0.0328	0.0337
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	<0.01	0.08	<0.01	<0.01	<0.03
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Lead 210, suspended pci/L	<8.6	<6.1	<4.5	<4.3	<5.9
Polonium 210 suspended, pci/L	1.2	<1	<0.6	<0.4	<0.8
Radium 226 suspended, pci/L	<0.4	<0.5	<0.1	<0.2	<0.3
Thorium 230 suspended, pci/L	<0.2	<0.3	<0.3	<0.1	<0.3
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-20				
Parameters	**3/17/2009**	**6/17/2009**	**9/17/2009**		**Average**
Bicarbonate as HCO3, mg/L	238	Well not working	Well not working		238
Carbonate as CO3, mg/L	<1				<1
Chloride, mg/L	<1				<1
Conductivity, umhos/cm	842				842
Fluoride, mg/L	0.9				0.9
pH, s.u.	7.45				7.45
Solids, Total Dissolved TDS @ 180 C, mg/L	582				582
Sulfate, mg/L	260				260
Gross Alpha, pci/L (dissolved)	27.8				27.8
Gross Beta, pci/L (dissolved)	14.4				14.4
Lead 210, pci/L (dissolved)	<2.7				<2.7
Polonium 210, pci/L (dissolved)	<0.6				<0.6
Radium 226, pci/L (dissolved)	0.52				0.52
Radium 228, pci/L (dissolved)	4.3				4.3
Thorium 230, pci/L (dissolved)	<0.4				<0.4
Nitrogen, Ammonia as N, mg/L	<0.05				<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	<0.05				<0.05
Aluminum, mg/L (dissolved)	<0.1				<0.1
Arsenic, mg/L (dissolved)	0.001				0.001
Barium, mg/L (dissolved)	<0.1				<0.1
Boron, mg/L (dissolved)	<0.1				<0.1
Cadmium, mg/L (dissolved)	<0.005				<0.005
Calcium, mg/L	104				104
Chromium, mg/L (dissolved)	<0.05				<0.05
Copper, mg/L (dissolved)	<0.01				<0.01
Iron, mg/L (dissolved)	<0.03				<0.03
Lead, mg/L (dissolved)	<0.001				<0.001
Magnesium, mg/L	23				23
Manganese, mg/L (dissolved)	0.11				0.11
Mercury, mg/L (dissolved)	<0.001				<0.001
Molybdenum, mg/L (dissolved)	<0.1				<0.1
Nickel, mg/L (dissolved)	<0.05				<0.05
Potassium, mg/L	8				8
Selenium, mg/L (dissolved)	<0.001				<0.001
Silica, mg/L	18.1				18.1
Sodium, mg/L	29				29
Uranium, mg/L (dissolved)	0.0102				0.0102
Vanadium, mg/L (dissolved)	<0.1				<0.1
Zinc, mg/L (dissolved)	<0.01				<0.01
Iron, TOTAL mg/L	<0.03				<0.03
Manganese, TOTAL mg/L	0.12				0.12
Lead 210, suspended pci/L	<6.3				<6.3
Polonium 210 suspended, pci/L	<0.7				<0.7
Radium 226 suspended, pci/L	<0.2				<0.2
Thorium 230 suspended, pci/L	<0.4				<0.4
Uranium suspended, pci/L	<0.0003				<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-21				
Parameters	**11/10/2008**	**3/20/2009**	**6/17/2009**	**9/23/2009**	**Average**
Bicarbonate as HCO3, mg/L	236	232	238	255	240
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	<1	<1	1	1	<1
Conductivity, umhos/cm	837	828	824	808	824
Fluoride, mg/L	0.9	0.9	0.9	0.8	0.9
pH, s.u.	7.83	7.48	7.62	7.76	7.67
Solids, Total Dissolved TDS @ 180 C, mg/L	576	612	601	609	600
Sulfate, mg/L	268	260	250	246	256
Gross Alpha, pci/L (dissolved)	26.1	30.1	77.4	32.0	41.4
Gross Beta, pci/L (dissolved)	15.3	14.1	24.0	15.8	17.3
Lead 210, pci/L (dissolved)	<4.7	<8.6	<2.8	<4.0	<5.1
Polonium 210, pci/L (dissolved)	<0.2	<0.6	<0.5	<0.6	<0.5
Radium 226, pci/L (dissolved)	<0.49	0.57	1.1	0.90	<0.77
Radium 228, pci/L (dissolved)	<1.9	1.9	3.9	3.9	2.9
Thorium 230, pci/L (dissolved)	<0.2	<0.2	<0.2	<0.3	<0.2
Nitrogen, Ammonia as N, mg/L	<0.1	<0.05	<0.05	<0.05	<0.07
Nitrogen, Nitrate+Nitrite as N, mg/L	<0.05	<0.05	<0.05	<0.1	<0.07
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	<0.001	<0.001	0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	0.1	0.1	<0.1	0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	129	123	112	114	120
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	26	21	23	23	23
Manganese, mg/L (dissolved)	0.20	0.24	0.13	0.12	0.17
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	9	8	9	8	9
Selenium, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica, mg/L	22.5	15.9	19.6	14.6	18.2
Sodium, mg/L	29	28	27	26	28
Uranium, mg/L (dissolved)	0.0097	0.0098	0.0104	0.0111	0.0103
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.01	<0.01	0.02	0.01	0.01
Iron, TOTAL mg/L	0.19	12.1	<0.03	<0.03	3.10
Manganese, TOTAL mg/L	0.23	0.30	0.12	0.12	0.19
Lead 210, suspended pci/L	<9.7	<7.4	<4.6	<1.7	<5.9
Polonium 210 suspended, pci/L	<1.0	<0.7	<0.6	<0.4	<0.5
Radium 226 suspended, pci/L	<0.4	<0.3	<0.1	<0.2	<0.3
Thorium 230 suspended, pci/L	<0.2	<0.4	<1.1	0.7	<0.6
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	0.0024	<0.0009

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-22				
Parameters	**11/21/2008**	**3/31/2009**	**8/4/2009**	**9/23/2009**	**Average**
Bicarbonate as HCO3, mg/L	239	249	242	249	245
Carbonate as CO3, mg/L	<1	<1	<1	<5	<2
Chloride, mg/L	1	1	2	2	2
Conductivity, umhos/cm	801	824	814	797	809
Fluoride, mg/L	0.9	0.9	0.9	0.9	0.9
pH, s.u.	7.76	7.70	7.59	7.75	7.70
Solids, Total Dissolved TDS @ 180 C, mg/L	580	569	561	556	567
Sulfate, mg/L	248	251	239	243	245
Gross Alpha, pci/L (dissolved)	39.8	40.7	30.8	37.8	37.3
Gross Beta, pci/L (dissolved)	23.1	16.8	36.9	19.4	24.1
Lead 210, pci/L (dissolved)	<4.4	<2.7	<2.2	<3.7	<3.3
Polonium 210, pci/L (dissolved)	<1.0	<0.6	<0.9	<0.4	<0.8
Radium 226, pci/L (dissolved)	<0.2	0.81	0.57	0.78	0.59
Radium 228, pci/L (dissolved)	3.5	4.7	5	5.6	4.7
Thorium 230, pci/L (dissolved)	0.02	<0.3	<0.1	<0.5	<0.3
Nitrogen, Ammonia as N, mg/L	<0.05	0.07	<0.05	<0.05	<0.06
Nitrogen, Nitrate+Nitrite as N, mg/L	0.1	0.1	0.08	<0.1	<0.1
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	<0.001	0.001	0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	0.1	<0.1	0.1	<0.1	0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	112	111	105	113	110
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	23	23	22	22	23
Manganese, mg/L (dissolved)	0.15	0.17	0.14	0.16	0.16
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	8	8	8	8	8
Selenium, mg/L (dissolved)	0.001	<0.001	<0.001	<0.001	<0.001
Silica, mg/L	19.8	17.5	16.2	14.8	17.1
Sodium, mg/L	28	28	26	26	27
Uranium, mg/L (dissolved)	0.0115	0.0110	0.0105	0.0114	0.0111
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	0.16	0.16	0.15	0.16	0.16
Lead 210, suspended pci/L	<9.6	<5.7	<3.2	<1.8	<5.1
Polonium 210 suspended, pci/L	<0.2	<0.4	<0.3	<0.4	<0.4
Radium 226 suspended, pci/L	<0.5	<0.4	<0.06	<0.2	<0.3
Thorium 230 suspended, pci/L	1.4	0.2	<0.1	<0.07	<0.5
Uranium suspended, pci/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Addendum 3.4-E Water Quality Data from Negley Subdivision

	N-23				
Parameters	**11/7/2008**	**3/17/2009**	**6/18/2009**	**9/22/2009**	**Average**
Bicarbonate as HCO3, mg/L	226	216	222	241	226
Carbonate as CO3, mg/L	<1.0	<1.0	<1.0	<5.0	<2.0
Chloride, mg/L	5	12	11	5	8
Conductivity, umhos/cm	932	1150	1130	925	1034
Fluoride, mg/L	0.9	0.8	0.8	0.8	0.8
pH, s.u.	8.00	7.06	7.28	7.63	7.49
Solids, Total Dissolved TDS @ 180 C, mg/L	675	1000	890	704	817
Sulfate, mg/L	325	398	370	289	346
Gross Alpha, pci/L (dissolved)	29.4	47.9	41.4	42.5	40.3
Gross Beta, pci/L (dissolved)	17.5	14.2	17	16.8	16.4
Lead 210, pci/L (dissolved)	<4.7	<2.7	<2.8	<3.7	<3.5
Polonium 210, pci/L (dissolved)	<1.0	<0.7	<0.8	<0.7	<0.6
Radium 226, pci/L (dissolved)	0.62	1.1	1.9	0.37	1.00
Radium 228, pci/L (dissolved)	1.9	2.3	2.3	3.3	2.5
Thorium 230, pci/L (dissolved)	<0.2	<0.4	<0.2	<0.3	<0.3
Nitrogen, Ammonia as N, mg/L	<0.1	<0.05	0.17	<0.05	<.009
Nitrogen, Nitrate+Nitrite as N, mg/L	5.39	14.3	12.1	4.6	9.10
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.002	0.002	0.002	0.002	0.002
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	0.1	0.1	0.2	<0.1	<0.2
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	140	155	163	131	147
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	0.06	0.05	<0.03	<0.05
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	30	31	34	26	30
Manganese, mg/L (dissolved)	0.014	0.15	0.18	0.15	0.12
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	9	10	11	9	10
Selenium, mg/L (dissolved)	0.014	0.032	0.039	0.012	0.024
Silica, mg/L	22.2	18.8	23.1	15.7	20.0
Sodium, mg/L	34	36	40	30	35
Uranium, mg/L (dissolved)	0.0110	0.0108	0.0116	0.0129	0.0116
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	<0.01	0.01	0.03	<0.01	<0.02
Iron, TOTAL mg/L	0.03	0.06	0.11	<0.03	<0.06
Manganese, TOTAL mg/L	0.15	0.16	0.17	0.15	0.16
Lead 210, suspended pci/L	<9.9	<6.1	<4.9	<1.9	<5.7
Polonium 210 suspended, pci/L	<1.0	<0.6	<0.5	<0.5	<0.7
Radium 226 suspended, pci/L	<0.4	<0.5	<0.07	<0.2	<0.29
Thorium 230 suspended, pci/L	<0.2	<0.4	0.2	<0.09	<0.23
Uranium suspended, pci/L	<0.0003	<0.0003	0.0007	<0.0003	<0.0004

Uranium One - Wyoming
Sampling Schedule

Ludeman 2008 & 2009

2008													2009											
Location I.D.	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
JS													1/16					6/29			9/22			12/21

Addendum 3.4-E Water Quality Data from only Domestic Well in Project Area

	JS Well			
Parameters	**1/16/2009**	**6/29/2009**	**9/22/2009**	**Average**
Bicarbonate as HCO3, mg/L	222	224	238	228
Carbonate as CO3, mg/L	<1	<1	<5	<2
Chloride, mg/L	2	2	2	2
Conductivity, umhos/cm	457	450	415	441
Fluoride, mg/L	0.6	0.6	0.6	0.6
pH, s.u.	7.87	7.80	7.88	7.85
Solids, Total Dissolved TDS @ 180 C, mg/L	252	274	255	260
Sulfate, mg/L	51	45	47	48
Gross Alpha, pci/L (dissolved)	22.8	14.9	13.9	17.2
Gross Beta, pci/L (dissolved)	11.7	6.7	11.4	9.9
Lead 210, pci/L (dissolved)	0	0	10.1	3.4
Polonium 210, pci/L (dissolved)	0	0.04	0	0.01
Radium 226, pci/L (dissolved)	0.67	0.6	0.84	0.70
Radium 228, pci/L (dissolved)	3.5	2.4	2.9	2.9
Thorium 230, pci/L (dissolved)	0.0	0.02	0.09	0.04
Nitrogen, Ammonia as N, mg/L	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate+Nitrite as N, mg/L	1.0	1.08	1.15	1.08
Aluminum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1
Arsenic, mg/L (dissolved)	0.002	0.001	0.001	0.001
Barium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1
Boron, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1
Cadmium, mg/L (dissolved)	<0.005	<0.005	<0.005	<0.005
Calcium, mg/L	66	62	63	64
Chromium, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05
Copper, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01
Iron, mg/L (dissolved)	<0.03	<0.03	<0.03	<0.03
Lead, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001
Magnesium, mg/L	13	12	12	12.3
Manganese, mg/L (dissolved)	<0.01	<0.01	<0.01	<0.01
Mercury, mg/L (dissolved)	<0.001	<0.001	<0.001	<0.001
Molybdenum, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1
Nickel, mg/L (dissolved)	<0.05	<0.05	<0.05	<0.05
Potassium, mg/L	5	7	6	6
Selenium, mg/L (dissolved)	0.007	0.006	0.005	0.006
Silica, mg/L	14.5	14.1	12.4	13.7
Sodium, mg/L	12	11	9	10.7
Uranium, mg/L (dissolved)	0.0087	0.0079	0.0081	0.0082
Vanadium, mg/L (dissolved)	<0.1	<0.1	<0.1	<0.1
Zinc, mg/L (dissolved)	0.03	0.02	0.02	0.023
Iron, TOTAL mg/L	<0.03	<0.03	<0.03	<0.03
Manganese, TOTAL mg/L	<0.01	<0.01	<0.01	<0.01
Lead 210, TOTAL pci/L	1.8	0	0	0.6
Polonium 210 TOTAL, pci/L	0.1	0	0.03	0.04
Radium 226 suspended, pci/L	0.2	0	0	0.07
Thorium 230 suspended, pci/L	0	0	0	0
Uranium suspended, pci/L	<0.0003	<0.003	<0.003	<0.003

ADDENDUM 3.4-F

NEGLEY REPORT

Petrotek

ASSESSMENT OF THE HYDRAULIC RELATIONSHIP OF THE NEGLEY SUBDIVISION TO THE LUDEMAN ISR URANIUM PROJECT

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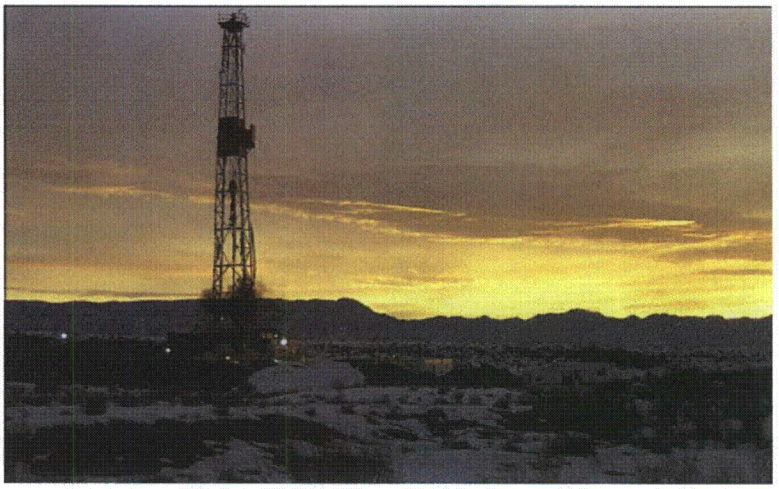
investing in our energy



CONVERSE COUNTY, WY

February 2011

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ASSESSMENT OF THE HYDRAULIC RELATIONSHIP OF THE NEGLEY SUBDIVISION TO THE LUDEMAN ISR URANIUM PROJECT CONVERSE COUNTY, WYOMING

TABLE OF CONTENTS

FIGURES

TABLES

ATTACHMENTS

ASSESSMENT OF THE HYDRAULIC RELATIONSHIP OF THE NEGLEY SUBDIVISION TO THE LUDEMAN ISR URANIUM PROJECT CONVERSE COUNTY, WYOMING

Executive Summary

Uranium One intends to develop and extract uranium from the Fort Union Formation at the Ludeman Project in Converse County, Wyoming using ISR mining. The target ore-bodies are located within the designated 80 and 90 Sands. Teton conducted an ISR uranium pilot project in the northwest portion of the current Ludeman License Amendment Area from 1979 to 1982. The pilot was called the Leuenberger Project. The Negley subdivision is located adjacent to the northwest portion of License Amendment Area and includes twenty two private water wells.

An assessment was conducted to evaluate the hydraulic relationship between the Negley water wells and the target ore bearing aquifers. Based on a review of available well records, well inspections, and geologic data, none of the Negley wells are completed within the 90 Sand, the primary target ore-bearing aquifer for planned uranium mining in the northwest portion of the Ludeman License Amendment Area. The deepest well in the Negley subdivision is 210 feet. The depth to the top of the 90 Sand in that area based on numerous geologic cross-sections is 250 to 300 feet. Most of the Negley wells are completed in the 110 and 120 Sands and one appears to be completed within the 100 Sand. The 100 Sand is the overlying aquifer to the target production zone 90 Sand in the area. One well, located one mile west of the License Amendment Area may be completed in either the 80 or 70 Sand, but the water quality in that well does not exceed any Wyoming or U.S. Environmental Protection Agency (EPA) standards. Structure maps of the top of 110 through 70 Sands and cross-sections showing the stratigraphic position of these units, were prepared to illustrate the relationship between the production zone and the completion intervals of the Negley wells.

Aquifer testing conducting by Teton within the 90 Sand indicated negligible response in the overlying aquifer. Reported drawdown in the overlying aquifer was less than 0.1 feet during a 36 hour, 43.5 gpm test in which over 30 feet of drawdown was recorded in 90 Sand observation wells at a distance of 300 feet from the pumping well. Hydrologic testing conducted by Uranium One in 2008 in the 90 Sand showed no response in the overlying aquifer after 3.2 days of pumping at a rate of 32.2 gpm. Results of these tests demonstrate that the overlying shale provides adequate confinement between the production zone aquifer and the overlying aquifers.

Baseline water quality conducted by Uranium One in 2008-2009 indicates elevated levels of uranium, sulfate, TDS, gross alpha and manganese in many of the Negley

subdivision wells. Isoconcentration maps show that uranium, gross alpha and bicarbonate generally increase to the northwest, away from the License Amendment Area.

Sampling conducted by Teton as part of the baseline monitoring for the Leuenberger Project indicated that water quality in the Negley wells, prior to the pilot test, was generally similar to recent sampling results. One well (N-18) completed in the 110 Sand shows a significant increase in a number of constituents since the 1979 sampling. However, several Negley wells that also appear to be completed in the 110 Sand are located between N-18 and the License Amendment Area boundary. Those wells did not show similar increases in parameter concentrations, making it unlikely that the changes in water quality at N-18 are related to the Leuenberger pilot project.

Uranium One, in accordance with its standard operating procedure, will conduct adequate aquifer testing to characterize the degree of hydraulic communication between the target production zone aquifer and the overlying and underlying aquifers and include that data in the Wellfield Data Package prior to development of any Mine Unit, including those near the Negley subdivision. For the Mine Unit(s) near the Negley subdivision, the aquifer testing will include sufficient monitoring to demonstrate if hydraulic communication exists between the 90 Sand and the aquifers that the Negley subdivision wells are completed in. Based on the results of that aquifer testing, Uranium One will, if necessary, implement appropriate engineering controls to ensure there will be no negative impacts to the Negley subdivision wells as a result of ISR operations. However, as noted above, currently available data do not indicate hydraulic communication between the 90 Sand and the overlying 100 and 110 Sands. Therefore, no additional hydrologic testing is proposed for the application for an NRC License Amendment for the Ludeman Uranium Project.

Introduction

Uranium One, USA, Inc. (Uranium One) plans to develop and extract uranium from in-situ recovery (ISR) wellfields within the Fort Union Formation at the Ludeman Project in Converse County, Wyoming. The target ore-bodies are located within the designated 80 and 90 Sands. From 1979 to 1982, UNC-Teton Drilling Exploration, Inc (Teton) conducted an ISR uranium pilot project (then identified as the Leuenberger Project) in the NE ¼, NE ¼ of Section 14, T34N, R74W. The former Leuenberger Project area is within the northwest portion of the Ludeman License Amendment Area.

North and west of the Ludeman License Amendment Area is the Negley subdivision. Figure 1 shows the location of the Negley subdivision relative to the Ludeman License Amendment Area. Twenty two private water wells (used for domestic, stock and irrigation purposes) have been identified within the subdivision and many of these wells are used for domestic water supply. An additional private well one mile west of the License Amendment Area was also included in the area of investigation. An assessment was performed to

1) determine if private wells within the Negley subdivision are completed within the target ore bearing aquifers (80 and 90 sands), or are hydraulically connected to them; and
2) identify if water quality in the Negley subdivision private wells was impacted by the Teton ISR pilot project.

The assessment includes a review of existing well records, published reports and permit applications, available site specific geologic and hydrologic data, and historic and recent water quality sampling results. Detailed structure maps and cross-sections were developed to examine the stratigraphic relationship of the proposed production zone and the well completion intervals of the Negley subdivision wells. Results of the assessment are summarized within this document.

Conclusions developed from this assessment are that none of the Negley wells are completed deep enough to intercept the target ore-bearing aquifers and that the ISR pilot project did not impact water quality in any of the Negley wells. However baseline water quality data from several of the Negley wells indicate elevated levels of uranium and total dissolved solids existed prior to 1980. A single well outside of the Negley subdivision and located one mile west of the License Amendment Area is completed within the 70 or 80 Sand. That well is hydraulically cross-gradient to upgradient of the Ludeman License Amendment Area and has not been impacted from historic ISR activities.

Luenberger Pilot Project

Teton recognized that the Negley development in Section 11 posed potential water quality issues for the ISR pilot and eventual commercial operation. Accordingly, up to eleven landowner wells were tested weekly for excursion parameters prior to, and during, pilot operations. Monitoring data from these wells demonstrated that no solution migration to the subdivision occurred during or after termination of the pilot operation. In addition, the following edited document prepared for the USNRC by Oak Ridge National Laboratory and the University of Idaho (NUREG/CR-3967 ORNL/TM-9956 "An Analysis of Excursions at Selected In Situ Uranium Mines in Wyoming and Texas", July 1986) substantiates that there was no effect on the subdivision wells by the Teton pilot project.

"Description of the Site

*Teton Exploration Drilling Company (TEDC) operated the Leuenberger in situ uranium mine in Converse County, Wyoming, about 12 km (7.5 mi) northeast of Glenrock. Solution mining research and development operations began on January 22, 1980, with two well fields. The N and M (*equivalent to the 90 and 80 Sands designation used by Uranium One*) ore zones were mined separately in each of the two well fields. The N* (90 sand) *and M* (80 sand) *ore bodies are located in Section 14, T34N, R74W. All mining, processing, and restoration were concluded at the Leuenberger mine as of January, 1982. Post-restoration monitoring continued through 1982.*

History of Mining Operations

Research and development testing began January 22, 1980, in two separate five-spot well patterns. One pattern was designated for each of the N and M ore zones. Each test pattern consisted of four injection wells placed approximately 15 m (50 ft) apart surrounding a central pumping well. Two additional five-spot patterns contiguous to the original M zone pattern were drilled and operated.

The pilot testing operation utilized a sodium carbonate/bicarbonate lixiviate at a concentration ranging from 0.5 to 2 g/L (as HCO_3) with a hydrogen peroxide oxidant at a concentration of 0.5 g/L. Leaching was terminated in the N well field area on June 1, 1980, after about 47 aquifer pore volumes of lixiviate were circulated through the test pattern. Approximately 29 aquifer pore volumes of lixiviate were circulated through the three M zone test patterns by the completion of mining on February 17, 1981……

Monitoring Well System and Well Construction

Monitoring wells were placed in the N and M sandstones (ore zones) and in the aquifers above and below both ore zones (0 (100 & 110 sands) *and Basal sandstones* (70 sand), *respectively). Monitoring wells utilized during the research and development operations were sampled every two weeks for excursion indicators chloride, alkalinity, sodium, sulfate, uranium, and conductivity.*

Monitoring wells at the research and development test site were completed in the N and M sandstones at a distance of about 60 m (200 ft) from the well field boundary. One Basal Sandstone monitoring well and two 0 Sandstone monitoring wells were used at the test site.

Analysis of Excursions

No excursions were reported during TEDC's 13 month research and development operations from January, 1980, through February, 1981. TEDC was never required to proceed with corrective measures to control possible lixiviate migrations.

Monitoring well 309 which is completed in the N Sandstone (ore zone) slightly exceeded its UCL's for conductivity, sulfate, and alkalinity on February 6, 1980. Subsequent samples from this well indicated that the three excursion indicators declined below their UCL's and remained there.

Basal Sandstone monitoring well 314 and M Sandstone (ore zone) monitoring well MM-2 exceeded UCL's on one or more sampling dates in April and May, 1980. Well 314 exceeded UCL's for chloride, sulfate, and/or alkalinity for three nonconsecutive sampling dates. Well MM-2 exceeded UCL's for sulfate and sodium on one sampling date only. No corrective actions were initiated for these apparent excursions.

The report goes on to describe the restoration of the two research and development areas. Restoration was conducted at the N (90 Sand) research and development area from June 1980 through November 1990. The report stated that the N (90 Sand) wellfield was considered to have been restored successfully to the highest potential pre-mining use citing a 1983 NRC document. Restoration of the M (80 sand) wellfield was conducted from February through December 1981. The M (80 Sand) wellfield was also considered to have been restored successfully to the highest potential pre-mining use and Teton was issued a permit to mine uranium commercially at the Leuenberger site. However, the Leuenberger Project was never commercially mined because of unfavorable economic conditions for uranium production.

Negley Subdivision Wells

The Negley development is an unplatted "subdivision" consisting of approximately thirty individual land owners located in Section 11, Township 34N, Range 74W, Converse County, Wyoming. Search of the State Engineers Office (SEO) records and physical inspection of the area indicate that there are twenty two private wells located within the Negley subdivision. Another well included in this assessment is located approximately one mile west of the License Amendment Area. Well records were reviewed to determine SEO permit numbers, drilling date, total depth, completion interval and other construction details of the Negley subdivision wells. Well completion reports, where available, are included in Attachment B. In some cases, the well permit applications

were the only documents available and those are also included. Initial review of the well records indicated that insufficient data were available to determine the drilling depth of three of the Negley subdivision wells, N-14, N-18 and N-19. A field survey was conducted to verify the total depth of those three wells. Subsequent records search turned up well files for those three wells. The well depths determined in the field were slightly shallower than indicated on the records, most likely because of sediment settling within the wells. Table 1 presents a summary of the well records search and also includes the permitted use and rate of the well. Figure 2 indicates the location of the Negley subdivision wells.

A survey of the Negley Subdivision well owners indicated the following: eleven of the twenty two Negley Subdivision wells are used for domestic purposes, one well is a shop supply well, three wells are used for livestock watering (noncommercial), and seven are not used (and have no downhole pumps). Well N-8, which is one mile to the west and actually not within the Negley Subdivision and is the only well that may be deep enough to penetrate the production zone targets, does not supply enough water for its intended use (irrigation), does not have a downhole pump and is not used.

As shown on Table 1, with the exception of the single well located west of the License Amendment Area (outside of the Negley subdivision in Section 10 and identified as well N-8), the deepest well in the Negley subdivision is recorded as 210 feet below ground surface (ft bgs).

Based on the geologic data described in the following section, none of Negley subdivision wells (except for N-8) are completed in the target ore-bearing aquifers (the 80 and 90 Sands). Well N-8 appears to be completed in the 80 Sand, or possibly the deeper 70 Sand. The well was drilled to provide irrigation water but has not been used for any purposes because the well has insufficient yield for the landowners needs. The majority of the Negley wells are completed in the 110 or 120 Sands. One of the wells appears to be completed within the 100 Sand which is the overlying aquifer to the 90 Sand, the primary production zone for this portion of the License Amendment Area.

All of these wells have been sampled by Uranium One to establish baseline water quality. Uranium One has designated the Negley wells as N-1 through N-23 (Figure 2). Many of these wells existed at the time of the Teton pilot project and were sampled for baseline and post-mining water quality under the prescribed monitoring program although some of the wells have changed ownership. In fact, a number of the current Negley wells were installed by Teton to provide monitoring of potential impacts to the overlying aquifers from the ISR activities and were subsequently turned over to the private landowners for use as water supply wells following restoration and termination of the project. Results of the water sampling are discussed under the water quality section of this document.

Geology

The Ludeman Project is located in the southwestern part of the Powder River Basin. The Fort Union Formation underlies the surgical Wasatch formation in the area, and consists of a series of mudstones, siltstones and clays with minor cross-bedded sandstone channels and occasional thin limestone and lignite beds. The Fort Union Formation sandstones were deposited in a fluvial paleo-drainage system which flowed generally in a north-northeasterly direction. The sandstones of the Lebo member of the Fort Union Formation are the host rocks for the uranium ore deposits at Ludeman. The channel deposits are confined by mudstones that serve as aquitards to the sand-dominated aquifers.

The subsurface geology (to depths of 600 to 700 ft bgs) of the License Amendment Area and extending beneath the Negley subdivision is well characterized as a result of extensive exploratory and delineation drilling conducted by previous uranium mining ventures and by Uranium One. Detailed structure maps of the top of the 110 through 70 Sands in the vicinity of the Negley subdivision were developed and are included as Figures 3 through 7. Several structural cross-sections were developed to correlate these units across the Negley subdivision. A generalized map of the locations of the cross-sections is provided as Figure 8. Cross Sections AA-AA' through FF-FF' and a detailed location map (showing all of the boreholes used to construct the cross-sections) are provided in Attachment A.

The Teton nomenclature for the stratigraphic units was alphanumeric. Correlation of these units is summarized in Table 2

A brief summary of the geologic units of interest from shallowest to deepest is provided below. The Negley wells that are completed in each unit based on reported completion intervals, the structure maps and the cross-sections, is also noted. Table 1 includes the projected top of the production zone (90 Sand) and the location of each Negley well and the distance between the total depth of the well and the top of the 90 Sand. The discussion is primarily focused on the northwest portion of the License Amendment Area, identified as the Leuenberger Area. Uranium One nomenclature for the stratigraphy in the area includes numbering the sand units, decreasing with depth. Figure 2.6-1 from the Ludeman Project License Amendment Application, Technical Report (Uranium One 2010) presents the local stratigraphy.

The 120 Sand is the uppermost sand unit in the Leuenberger Area. This sand has been eroded in various locations in the Leuenberger Area and throughout the Ludeman License Amendment Area. The 120 Sand ranges from 29 to 147 feet thick across the License Amendment Area. The top of the 120 Sand generally occurs at elevations above 5,200 ft amsl. The 120 Sand is absent in the southwestern portion of the Negley subdivision as shown on Cross-sections AA-AA' through FF-FF' (Attachment A). Based on reported total depths, Negley wells N-4, N-5, N-7, N-9, N-11 and N-20 are completed

in the 120 Sand. Those wells are located in the northeast portion of the Negley subdivision. Negley wells N-3, N-12, N-14, N-16, N-17, N-21 and N-22 are completed across the 120 and/or 110 Sands based on reported completion intervals. Although no completion interval is reported for N-23, the well is completed in either the 110 or 120 Sand or both, based on the reported total depth.

The 110 Sand is an overlying aquifer in the Leuenberger area in areas where the 100 Sand is not present. It is separated from the 120 Sand by the 120/110 Shale, which ranges from 2 to 82 feet thick across the License Amendment Area. The 110 Sand ranges in thickness from 5 to 139 feet across the License Amendment Area. The 110 Sand has been eroded in various locations throughout the License Amendment Area but is continuous in the Leuenberger Area. The top of the 110 Sand generally occurs between 5,200 and 5,100 ft amsl across the Negley subdivision and dips to the north at approximately 1 degree (Figure 3). Negley wells that are completed in the 110 Sand based on reported completion intervals (and field surveys) include N-1, N-2, N-6, N-10, N-13, N-18 and N-19. Cross-section EE-EE' (Attachment A), that well is also completed in either the 110 or 120 Sand. Cross-section FF-FF' passes through Negley well N-6 and N-1 and shows that the total depth of both wells is just below the base of the 110 Sand (Attachment A).

Well N-4 was reported by Teton to be an O1 completion (100 Sand). Well N-4 is located approximately 875 feet northwest of N-6. Well N-4 is drilled to approximately the same total depth elevation as N-6. As previously noted, N-6 intercepts the base of the 110 Sand but does not reach the 100 Sand. Both the 110 and 100 Sands dip to the north. The projected top of the 100 Sand at the N-4 location is 5,035 ft amsl, below the total depth of the well at 5,060 ft amsl. Therefore, well N-4 does not appear to intercept the 100 Sand.

The 100 Sand is the overlying aquifer to the 90 Sand. The 100 Sand pinches out in various locations in the Leuenberger area. In the locations where the 100 Sand is not present, the 110 Sand is the overlying aquifer. Across the License Amendment Area, approximately 4 to 119 feet of the 110/100 Shale separate the 110 and 100 Sands. The 100 Sand ranges in thickness from 0 to 176 feet across the License Amendment Area. The top of the 100 Sand generally occurs between 5,130 and 4,990 ft amsl across the Negley subdivision and dips to the north at approximately 1.5 degrees (Figure 4). Well N-15 is located approximately 1,200 ft southwest of N-6 and 600 ft northeast of N-1 as shown on Cross-section FF-FF' (Attachment A). N-15 has approximately the same surface elevation as N-6 and was drilled to near the same total elevation (5,063 ft amsl). Projection of N-15 onto Cross-section FF-FF' indicates that N-15 may intercept the top portion of the 100 Sand at a elevation of approximately 5,078 ft amsl. The 100 Sand is projected to be approximately 40 ft thick at this location so well N-15 would not penetrate the full thickness of the sand.

A thin coal seam provides a consistent and correlative marker bed throughout the Leuenberger Area. This unit is present between the 100 and 90 Sands and is identified as the 'D' Coal on the cross-sections provided in Attachment A. The D Coal is used by Uranium One geologists to clearly differentiate the 100 Sand from the 90 Sand throughout the Leuenberger Area.

The 90 Sand is the shallowest proposed production zone. The 90 Sand is separated from the 100 Sand by the 100/90 Shale. The 100/90 Shale ranges from 3 to 145 feet thick across the License Amendment Area. The 90 Sand pinches out in various locations within the License Amendment Area, but is continuous in the Leuenberger Area. Its thickness ranges from 0 to 181 feet. The top of the 90 sand ranges from 5,000 to 4,820 ft amsl across the Negley subdivision, dipping to the north at almost 2 degrees as shown on the structure map (Figure 5) and cross-sections (Attachment A). Based on well records and field surveys, the deepest penetration of any of the Negley wells, other than N-8, is approximately 5,060 ft amsl, which is 60 feet above the shallowest occurrence of the 90 Sand.

The 80 Sand is beneath the 90 Sand and is also a proposed production zone. The 80 Sand is separated from the 90 Sand by the 90/80 Shale which ranges from 2 to 156 feet thick. The 80 Sand ranges from 0 to 161 feet thick across the License Amendment Area. Although pinch-outs are present within the License Amendment Area, the 80 Sand is continuous in the Leuenberger Area. The top of the 80 sand ranges from 4,860 to 4,720 ft amsl across the Negley subdivision, dipping to the north at approximately 1.5 degrees as shown on the structure map (Figure 6) and cross-sections (Attachment A). As previously described, well N-8 which is located approximately 1 mile west of the Negley subdivision, may intercept this unit or even the deeper 70 Sand. There is insufficient data density to reliably estimate the completion interval of well N-8. However, water quality from this well does not exceed Wyoming Class I Standards or any EPA MCLs and does not indicate any impacts from the historic Teton pilot project.

The 70 Sand is the underlying aquifer in the Leuenberger Area and is separated from the 80 Sand by 4 to 128 feet of 80/70 Shale. The 70 Sand ranges from 0 to 164 feet thick, pinching out in various locations within the License Amendment Area although this unit is continuous within the Leuenberger Area. Figure 7 is a structure map that shows the top of the 70 Sand ranges from 4,770 to 4,620 ft amsl with a north dip of approximately 1.5 degrees. Other than well N-8, none of the Negley wells penetrate deep enough to intercept the 70 Sand.

Sands beneath the 70 Sand include the 60, 50, 40 etc, but these units have no consequence to the Negley wells with respect to ISR mining as they are several hundreds of feet deeper than any of the private water well depths.

Hydrogeology

Potentiometric surface maps and pumping tests were reviewed to evaluate the extent of hydraulic communication that exists between the ore bearing target zones (80 and 90 Sands) and the overlying 100 through 120 Sands. Figures cited in this section refer to the Ludeman Project NRC License Amendment Application, Technical Report prepared by Uranium One in 2010.

The potentiometric surface maps provided in the Ludeman Project License Amendment Application Technical Report (Uranium One 2010) indicate a generally northeast hydraulic gradient in the proposed production zone 80 and 90 Sands in the vicinity of the Negley subdivision (Figures 2.7-14 and 2.7-15, respectively of the Uranium One Technical Report). The potentiometric surface of the 100 Sand appears to have a more northerly hydraulic gradient. The water level elevation in the nearest 110 Sand monitor well is significantly higher (> 30 ft) than in the 80, 90 or 100 Sands, clearly indicating hydraulic separation. The original Teton License Application for Leuenberger also indicated a large difference in water levels (> 35 ft) between the 90 Sand (the N Sand) and the overlying aquifer (identified as the O Sand but not differentiated between the O1 [100] or O2 [110] Sand).

Pumping tests conducted in the 90 Sand by Teton showed minimal response in the monitor well completed in overlying aquifer, less than 0.1 ft compared to more than 30 feet in the 90 Sand at distances of 300 feet from the pumped well. No barometric corrections were reported so it is unclear if the "observed" drawdown of less than 0.1 ft during the test was related to barometric changes or was a response to pumping of the 90 Sand. The test was run for 36.5 hours at 43.1 gpm. The negligible drawdown observed in the overlying monitor well suggests that hydraulic communication between the 90 Sand and the overlying aquifer is minimal.

Uranium One conducted a series of aquifer tests in the 80 and 90 Sands in 2008 in the Leuenberger portion of the License Area. A 90 Sand test was conducted at well LWP-2 (shown on Figure 1) for a period of 3.2 days at a rate of 32.2 gpm. Drawdown in the pumping well was over 71 feet. An observation well completed in the overlying 100 Sand (LMO-1) and located 10 feet from the pumping well showed no drawdown response during the test. Results of this pump test demonstrate that the overlying shale unit provides adequate confinement for ISR operations.

The water level and pumping test data demonstrate that there is adequate hydraulic separation between the 90 Sand and the overlying aquifer. Additional aquifer testing will be conducted and submitted as part of a Wellfield Data Package to further demonstrate the degree of hydraulic communication between the 90 Sand and the overlying aquifers.

The Wyoming Water Development Office states in its Wyoming State Water Plan that the typical quantity of water withdrawn for domestic use in the western United States is

158 gallons per person per day (0.11 gpm) or 505 gallons per day per residence (0.35 gpm). This includes both indoor (78 gallons per person per day) and outdoor uses (80 gallons per person per day). If that rate of consumption is applied to the Negley subdivision wells, based on the completion intervals of the wells and assuming that all twenty two of the wells are active (six of the wells are actually inactive), the anticipated total consumptive use by aquifer is as follows.

Aquifer	Number of Residences	Total Extraction Rate	
		(gpm)	(AF/yr)
120 Sand	6	2.1	3.40
120/110 Sand	8	2.81	4.53
110 Sand	7	2.45	3.96
100 Sand	1	0.35	0.57

Water Quality

As previously described, each of the twenty two Negley subdivision wells and the single well located west of the License Amendment Area have been sampled by Uranium One for baseline water quality. The samples were collected by a third party contractor and submitted to an independent analytical laboratory for analysis. The analytical results were sent directly to each well owner. Additionally, many of those wells existed at the time of the Teton Leuenberger pilot project and were sampled for baseline and post mining water quality to assess potential impacts of ISR mining. Results of the water quality sampling are described herein.

Analytical results from four quarters of groundwater samples collected from the Negley wells under the current Uranium One baseline monitoring program are included the Ludeman Project License Amendment Application Technical Report (2010) in Addendum 2.7E. Table 3 of this report provides an average of the major ion concentration for each of the wells. All but three of the wells exceed the Wyoming Class I standard for TDS (500 mg/l) and ten of the twenty three wells exceed the Class I standard for sulfate (250 mg/l). With respect to radionuclides, shown on Table 4, nine of the Negley wells exceed the EPA Maximum Contaminant Level (MCL) for uranium (0.035 mg/l), four exceed the EPA MCL for radium 226+288 (5.0 pCi/l) and twenty two of the well averages exceed the Wyoming Class I standard for gross alpha. Average concentration of trace metals are shown on Table 5. With the exception of manganese, most samples were below detection limits and standards for trace constituents. Two wells exceeded the selenium Class I standard of 0.05 mg/l. Nine wells exceeded the Wyoming Class I standard for manganese (0.05 mg/l).

Isoconcentration maps were developed for several of the analytes. Figures 9, 10 and 11 show the distribution of dissolved uranium, bicarbonate and gross alpha in the Negley subdivision. The pattern that is exhibited for each of these maps is that the overall trend

shows an increase to the northwest, away from the Leuenberger Area except that one well (N-18) is consistently elevated.

The depth of well N-18 was recently measured and found to be 106.8 ft which is at an elevation of 5,145 ft amsl. Well N-14 and N-19 were also measured in the field and found to be shallower than the reported total depth. Based on Cross-Section FF-FF' (Attachment A) and the top of 110 Sand structure map (Figure 3), well N-18 is completed in the 110 Sand and does not penetrate deep enough to intercept the 100 Sand. Well N-18 has the highest average concentration of TDS, sulfate, chloride, uranium, gross alpha and selenium of any of the Negley wells. Other Negley wells located to the south (and closer to the area where the pilot test was conducted) have much lower values of those constituents.

The increasing trend in uranium to the northwest away from the License Amendment Area, and the generally low uranium values directly north of the License Amendment Area, make it unlikely that the pilot test negatively impacted water quality in the Negley wells even though many of the wells exceed Class I standards for uranium, gross alpha, sulfate, TDS, and manganese. Uranium ore has been identified in borings drilled into the 100 Sand in areas near the Negley subdivision and may be the cause of the elevated levels observed.

Baseline data collected during the Teton pilot project confirm that the water quality in many of the Negley wells exceeded Wyoming Class I standards for a number of constituents prior to mining and are essentially the same quality today as pre-mining. Table 6 compares the 1979 and 2008/2009 water quality data for wells that were sampled over both time periods. Most values are similar with the exception being N-18. In N-18, the concentration of most major ions, as well as TDS, nitrate (as N) and uranium showed sharp increases from 1979 to 2008/2009. No explanation is readily apparent; however the dramatic increase in nitrate suggests that this well may have received some form of surface contamination or infiltration. Field investigations identified that the well was in poor condition and may be prone to surface infiltration.

A series of stiff diagrams were developed from the average water quality data collected as part of the Uranium One Ludeman baseline monitoring program. The stiff diagrams show a general change in water quality with depth (Figures 12 and 13). Wells completed in the 120 and 110 Sands have higher TDS and are predominately calcium-sulfate type water. Wells completed in the 80 Sand are predominately calcium-carbonate waters with much lower TDS. Wells completed within the 100 and 90 Sands are generally transitional between the calcium-carbonate and calcium-sulfate water types and intermediate TDS levels.

It should be noted that at the request of the EPA, WDEQ conducted a followup evaluation of the Leuenberger Project to determine if groundwater in the area could be

impacted from uranium recovery activities. The conclusions presented in the WDEQ memorandum (dated August 7, 2000 from R. Hoy to R. Chancellor) state that

.."Based on the interpretations of the site data, adverse impacts due to site activities were limited (e.g pond leaks, hot spots in the M Wellfield) and there is no indication in the records that those impacts extended beyond the site boundary. Also, mitigation efforts were undertaken to address those impacts"

and

"...based on available site information and data interpretations, and the limited duration and magnitude of mining activities, it appears there were no impacts to the shallow aquifer in which most of domestic wells in the area were completed."

The WDEQ agreed with earlier assessment from the NRC that groundwater in the wellfields associated with the Leuenberger Project had been adequately restored and there were no impacts to groundwater outside of the Project boundary.

Summary

Uranium One intends to develop and extract uranium from the Fort Union Formation at the Ludeman Project in Converse County, Wyoming using ISR mining. The target ore-bodies are located within the designated 80 and 90 Sands. Teton conducted an ISR uranium pilot project in the northwest portion of the current Ludeman License Amendment Area from 1979 to 1982. The pilot was called the Leuenberger Project. The Negley subdivision is located adjacent to the northwest portion of License Amendment Area and includes twenty two private water wells.

Based on a review of available SEO well records, well inspections, and geologic data, none of the Negley wells are completed within the 90 Sand, the primary target ore-bearing aquifer for planned uranium mining in the northwest portion of the Ludeman License Amendment Area. The deepest well in the Negley subdivision is 210 feet. The depth to the top of the 90 Sand in that area is 250 to 300 feet. All of the Negley wells are completed in the 110 and/or 120 Sands except one that appears to be completed within the 100 Sand. The 100 Sand is the overlying aquifer to the target production zone 90 Sand in the area. One well, located one mile west of the License Amendment Area, may be completed in either the 80 or 70 Sand, but the water quality in that well does not exceed any Wyoming or EPA standards.

A survey of the Negley Subdivision well owners indicated that eleven of the Negley Subdivision wells are used for domestic purposes, one well is a shop supply well, three wells are used for livestock watering (noncommercial), and seven are not used (and have no downhole pumps). The well located one mile west of the License Amendment Area is also not used.

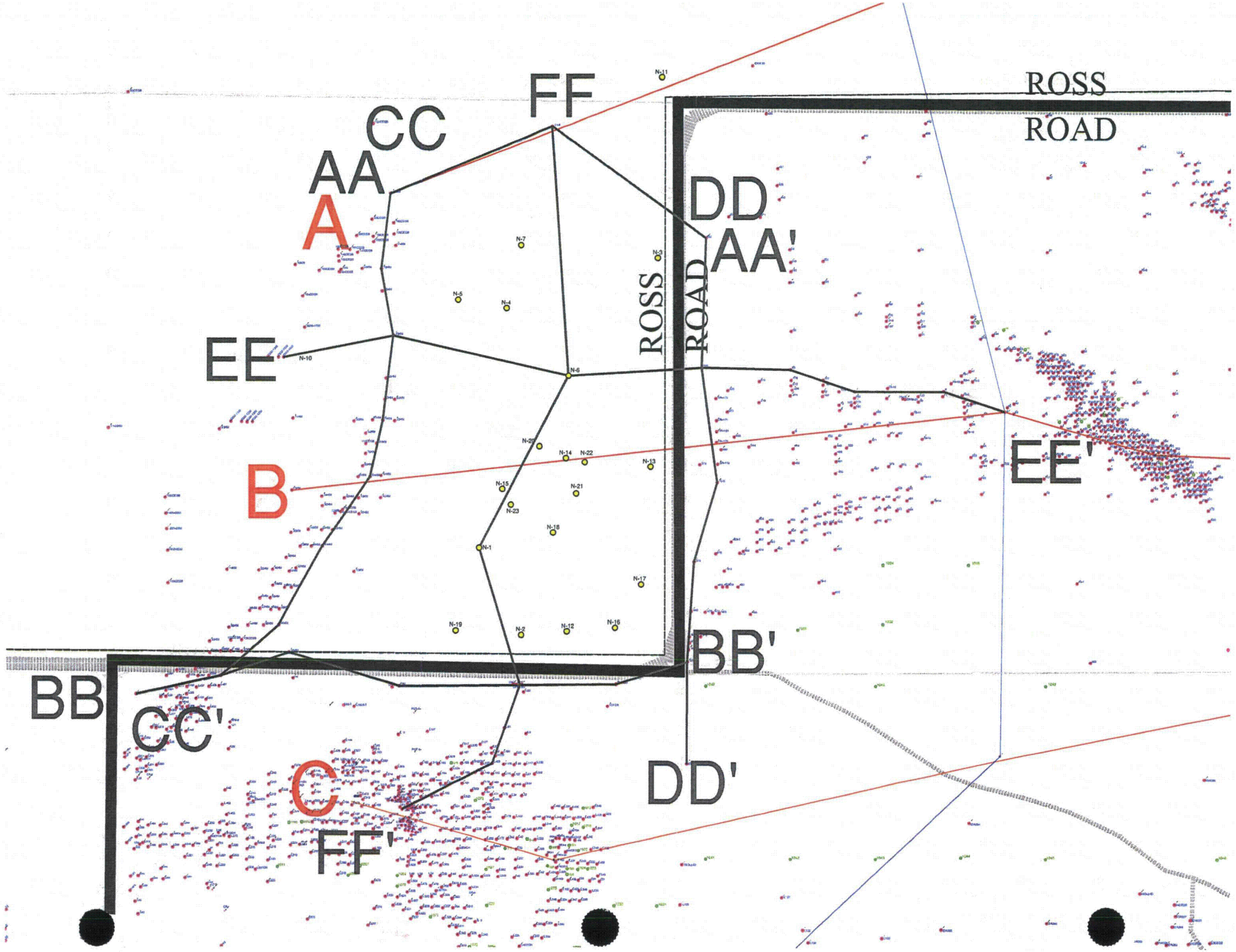
Aquifer testing conducting by Teton within the 90 Sand indicated negligible response in the overlying aquifer. Reported drawdown in the overlying aquifer was less than 0.1 feet during a 36.5 hour, 43.1 gpm test in which over 30 feet of drawdown was recorded in 90 Sand observation wells at 300 feet from the pumping well. Aquifer testing of the 90 Sand conducted by Uranium One in the Leuenberger area in 2008 indicated no response in the overlying aquifer after 3.2 days of pumping at 32.2 gpm. Results of these tests demonstrate adequate confinement between the 90 Sand and the overlying aquifers in the area.

Baseline water quality conducted by Uranium One in 2008-2009 indicates elevated levels of uranium, sulfate, TDS, gross alpha and manganese in many of the wells. Isoconcentration maps show that uranium, gross alpha and bicarbonate increase to the northwest, away from the License Amendment Area.

Sampling conducted by Teton as part of the baseline monitoring for the Leuenberger Project indicated that similar water quality existed prior to the pilot test in most wells. One well (N-18) completed in the 110 Sand, has significant increases in a number of constituents since the 1979 sampling. However, several wells that are also completed in the 110 Sand are located between N-18 and the Amendment Area boundary. Those wells did not show increases in parameter concentrations, making it unlikely that the changes in water quality at N-18 are related to the Leuenberger pilot project.

Uranium One will conduct adequate aquifer testing, in accordance with normal procedures, to characterize the degree of hydraulic communication (if any) between the target production zone aquifer and the overlying and underlying aquifers at Ludeman. As required under the Permit to Mine, the testing results will be submitted as part of the Wellfield Data Package. That aquifer testing will also further characterize the hydraulic relationship between the production zone aquifer and the Negley subdivision wells, although based on currently available data, no hydraulic communication between the aquifers is anticipated.

The additional data provided in this technical Memorandum supports the conclusion that 1) none of the Negley wells are completed in the production zones; 2) adequate confinement exists between the production zone and the overlying zones; and 3) the existing water quality in the Negley wells is similar to the water quality noted during preoperational testing for the Leuenberger Pilot Project. Adequate information is available to allow NRC to evaluate potential impacts on groundwater in the Negley subdivision from the proposed facility under both normal operating conditions and accidents. This information meets the acceptance criteria in NUREG-1569, section 2.2.3 and additional hydrologic testing is not necessary at this time for the technical review of the amendment application for the Ludeman Uranium Project to proceed.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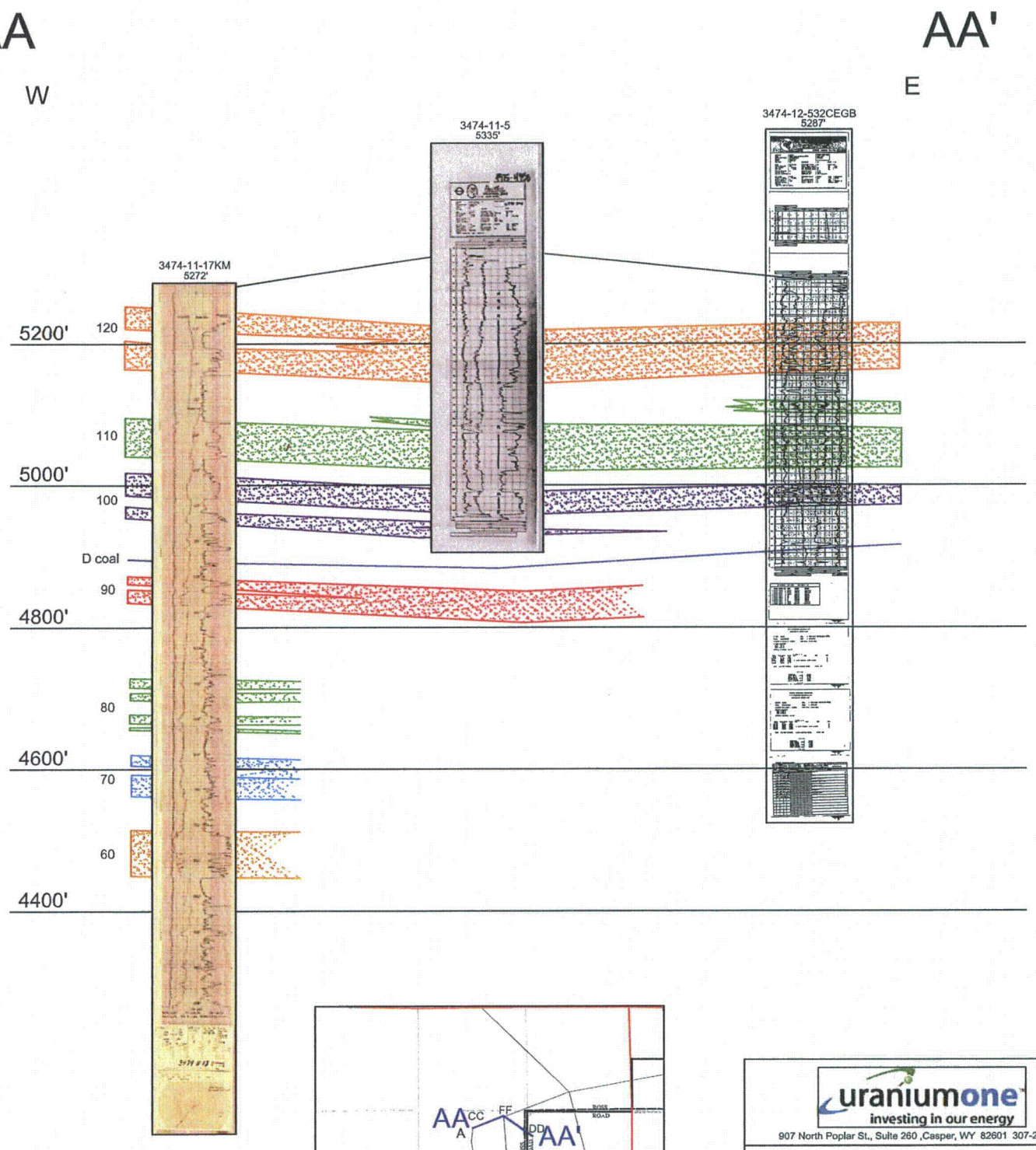

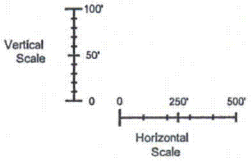

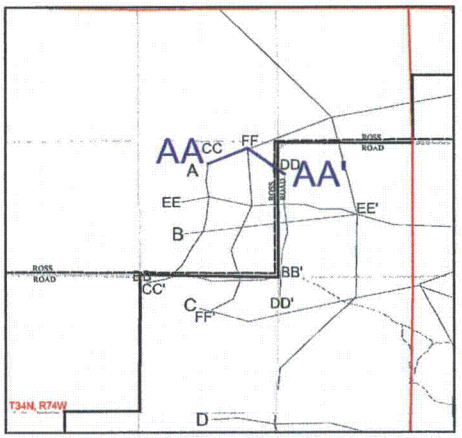

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LUDEMAN PROJECT

AA-AA' NEGLEY CROSS-SECTION

T.34N., R.74W., Sec. 11,12
CONVERSE COUNTY, WYOMING

Date: 02/09/2011	By: TB	Checked:	
Rev. No.	Description	Date	By

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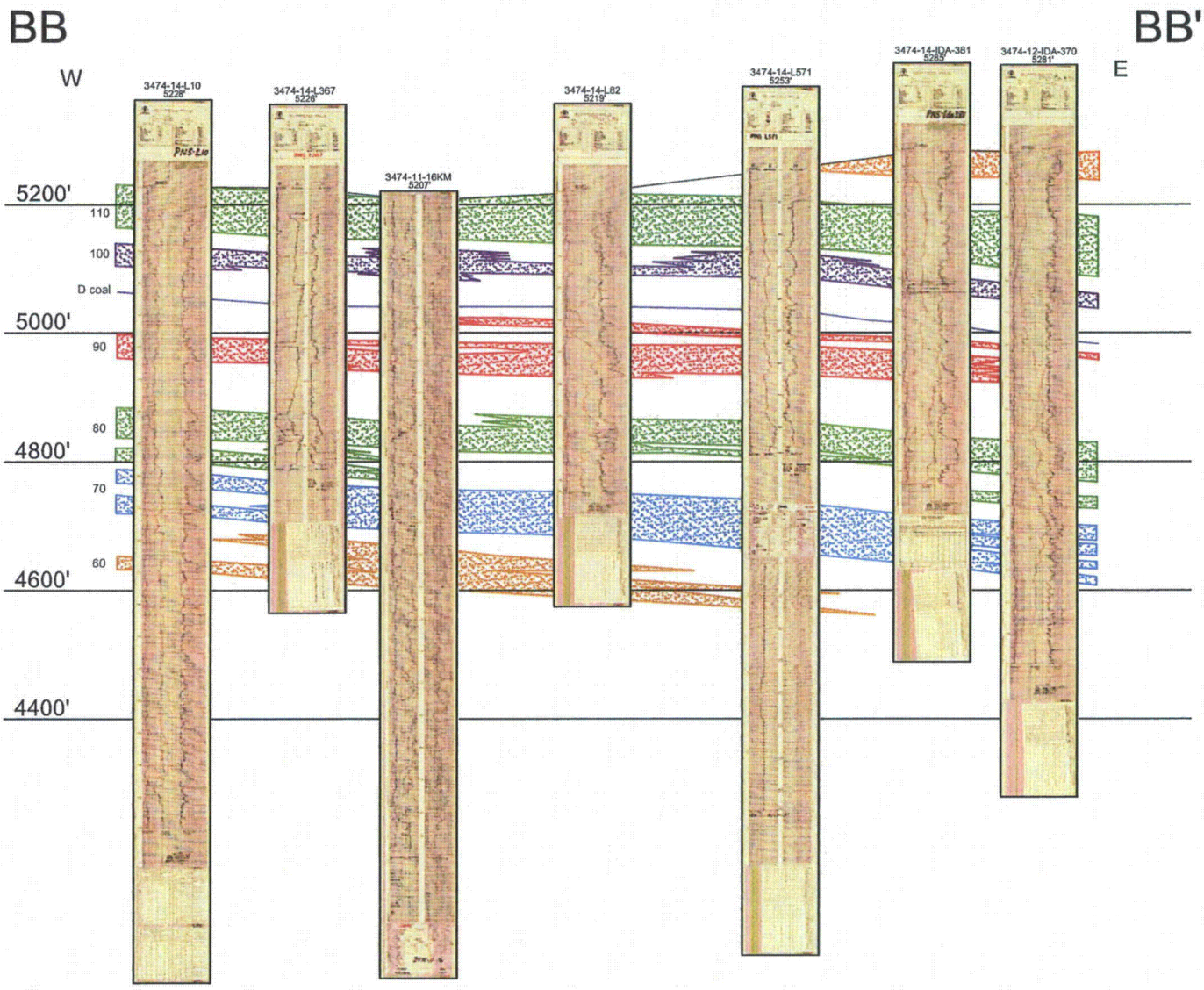

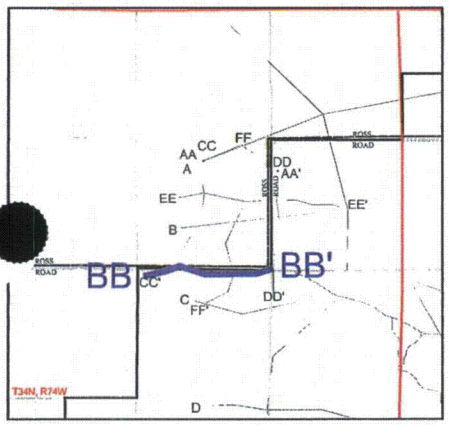

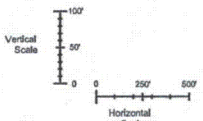

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LUDEMAN PROJECT
BB-BB' NEGLEY CROSS-SECTION

T.34N., R.74W., Sec. 11,12,14
CONVERSE COUNTY, WYOMING

Date: 02/10/2011	By: TB	Checked:	
Rev. No.	Description	Date	By

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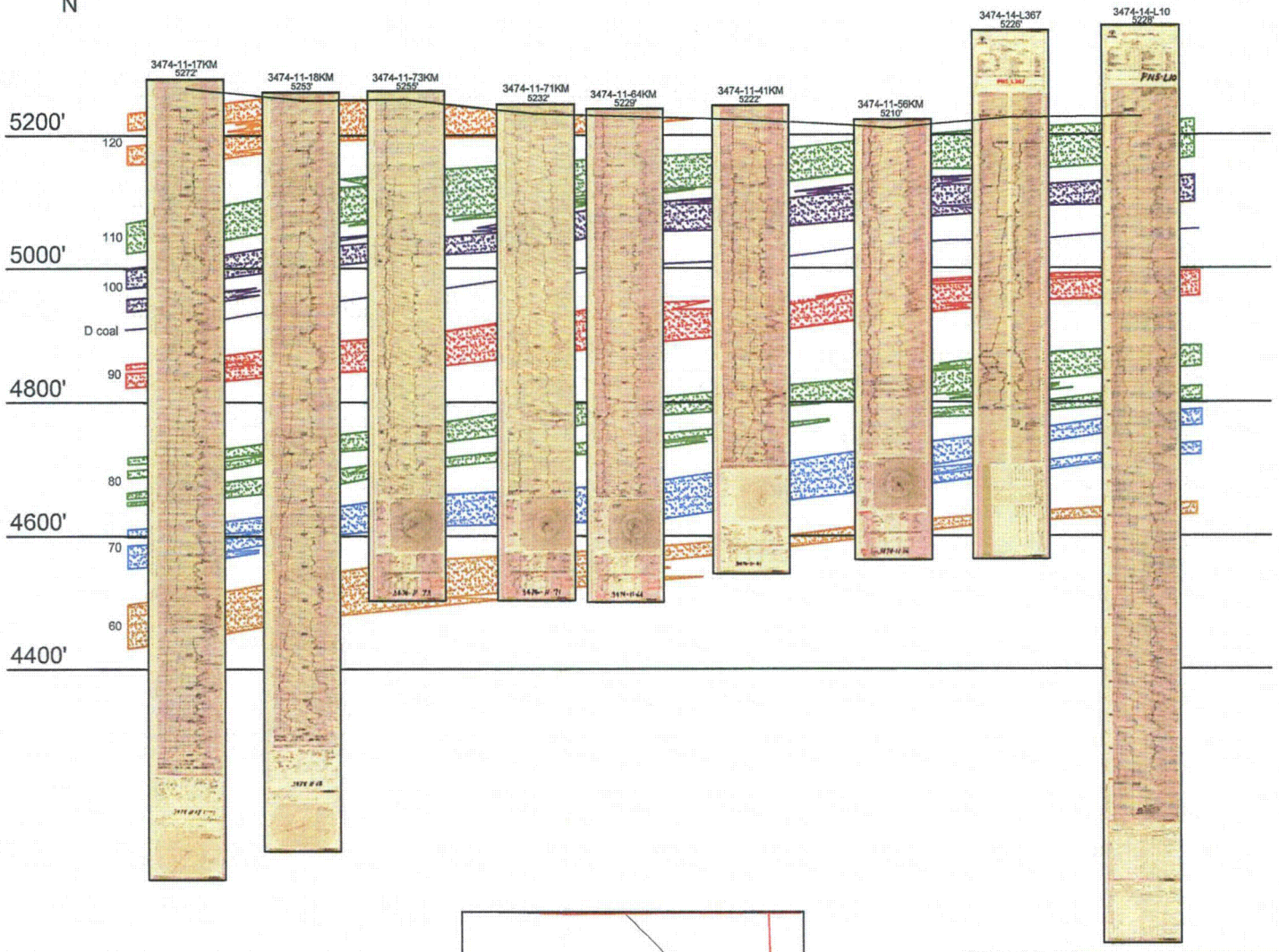

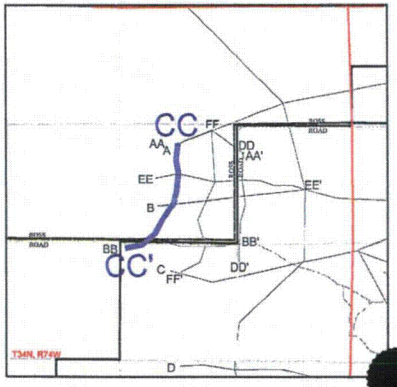

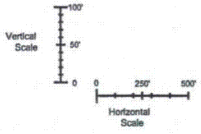

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LUDEMAN PROJECT

CC-CC' NEGLEY CROSS-SECTION

T.34N., R.74W., Sec. 11,14
CONVERSE COUNTY, WYOMING

Date: 02/10/2011	By: TB	Checked:	
Rev. No.	Description	Date	By

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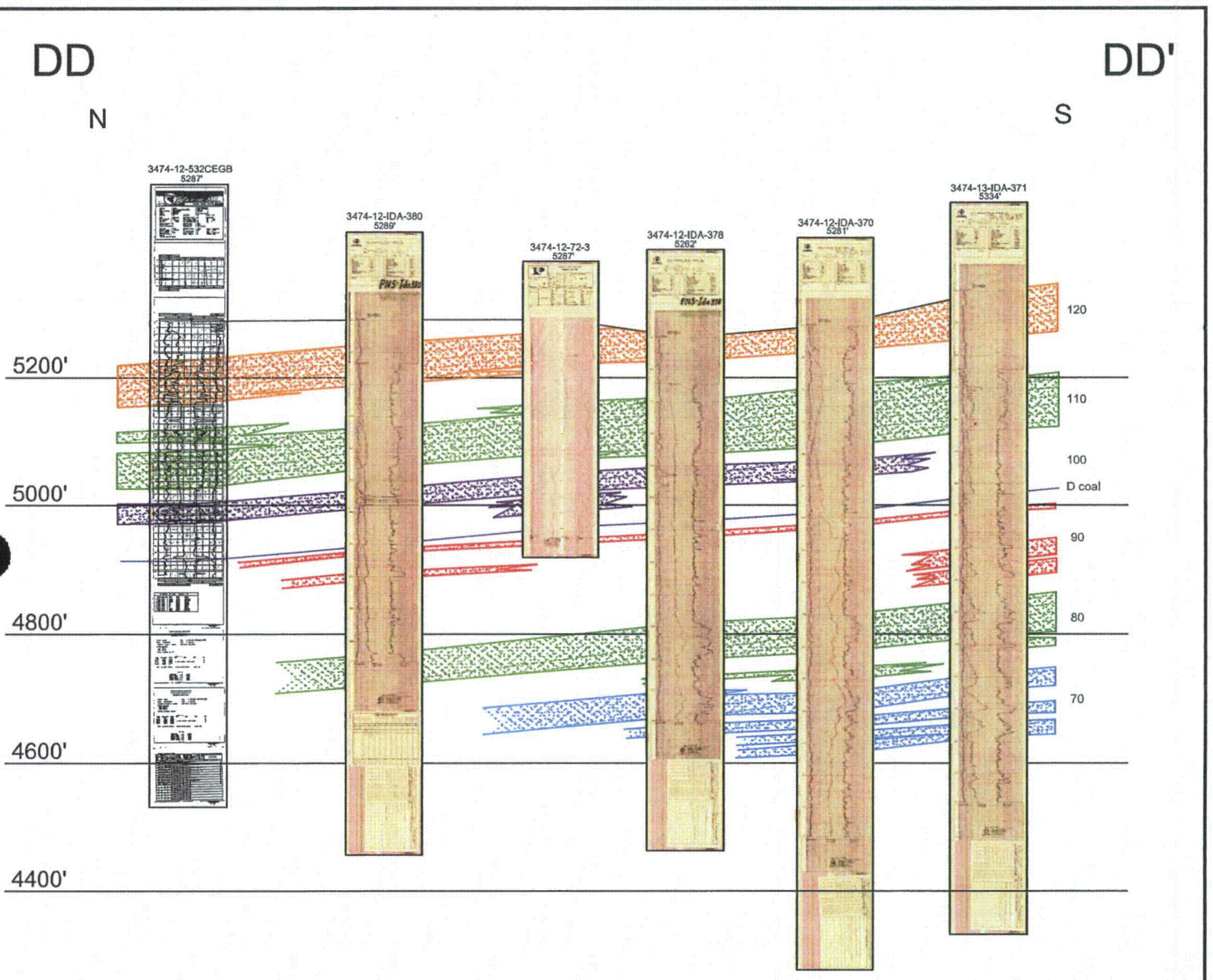

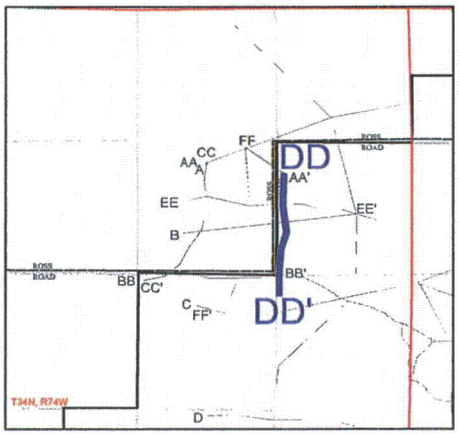

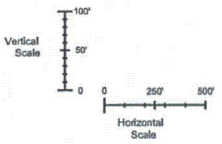

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LUDEMAN PROJECT

DD-DD' NEGLEY CROSS-SECTION

T.34N., R.74W., Sec. 12,13
CONVERSE COUNTY, WYOMING

Date: 02/10/2011	By: TB	Checked:	

Rev. No.	Description	Date	By	Sheet:

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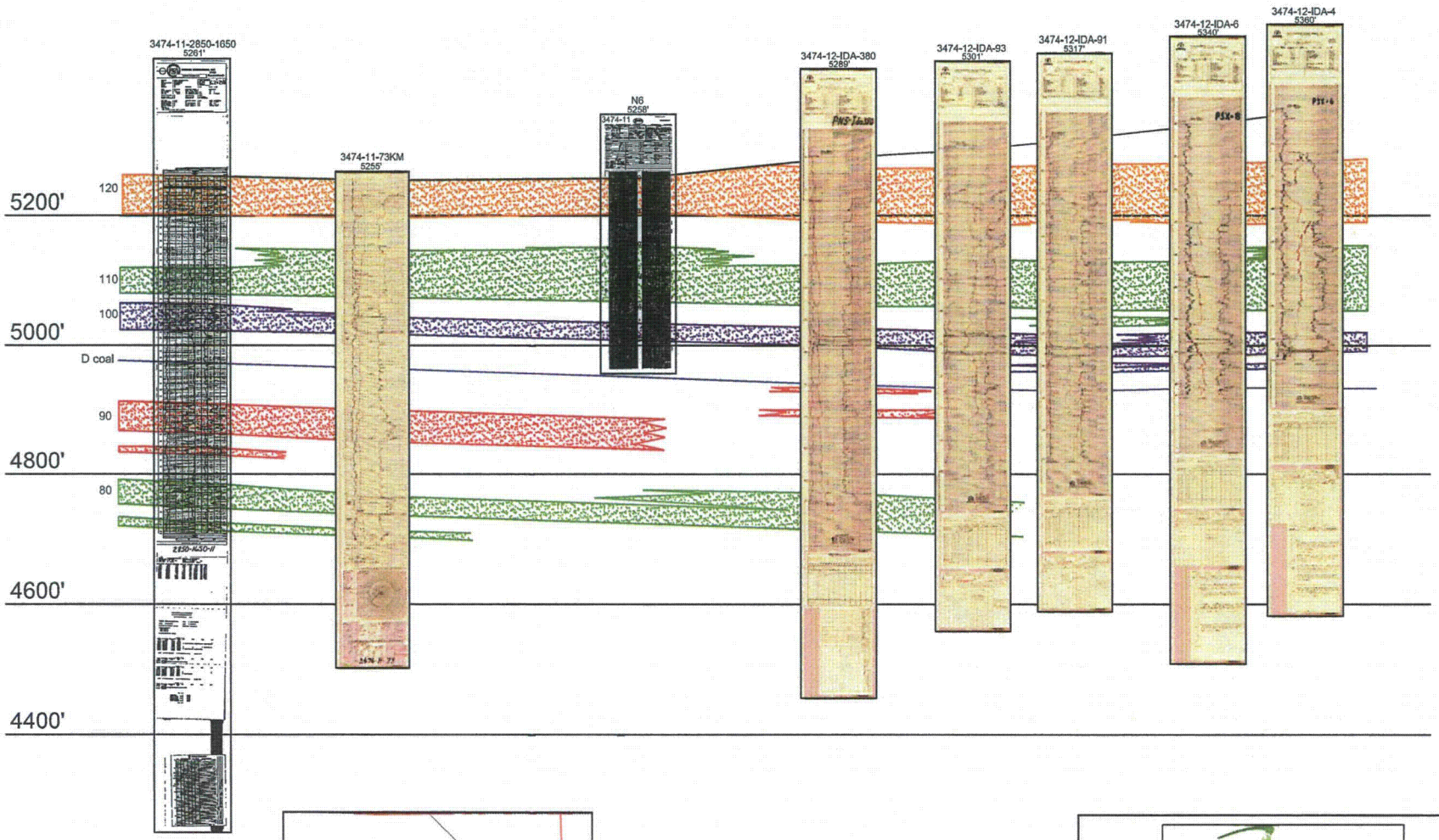

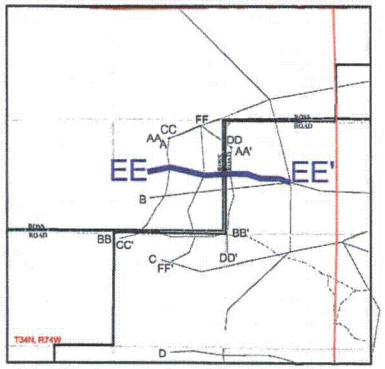

Vertical Scale: 100' 50' 0

Horizontal Scale: 0 250' 500'

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LUDEMAN PROJECT

EE-EE' NEGLEY CROSS-SECTION

T.34N., R.74W., Sec. 11,12
CONVERSE COUNTY, WYOMING

Date: 02/10/2011	By: TB	Checked:	

Rev. No.	Description	Date	By	Sheet:

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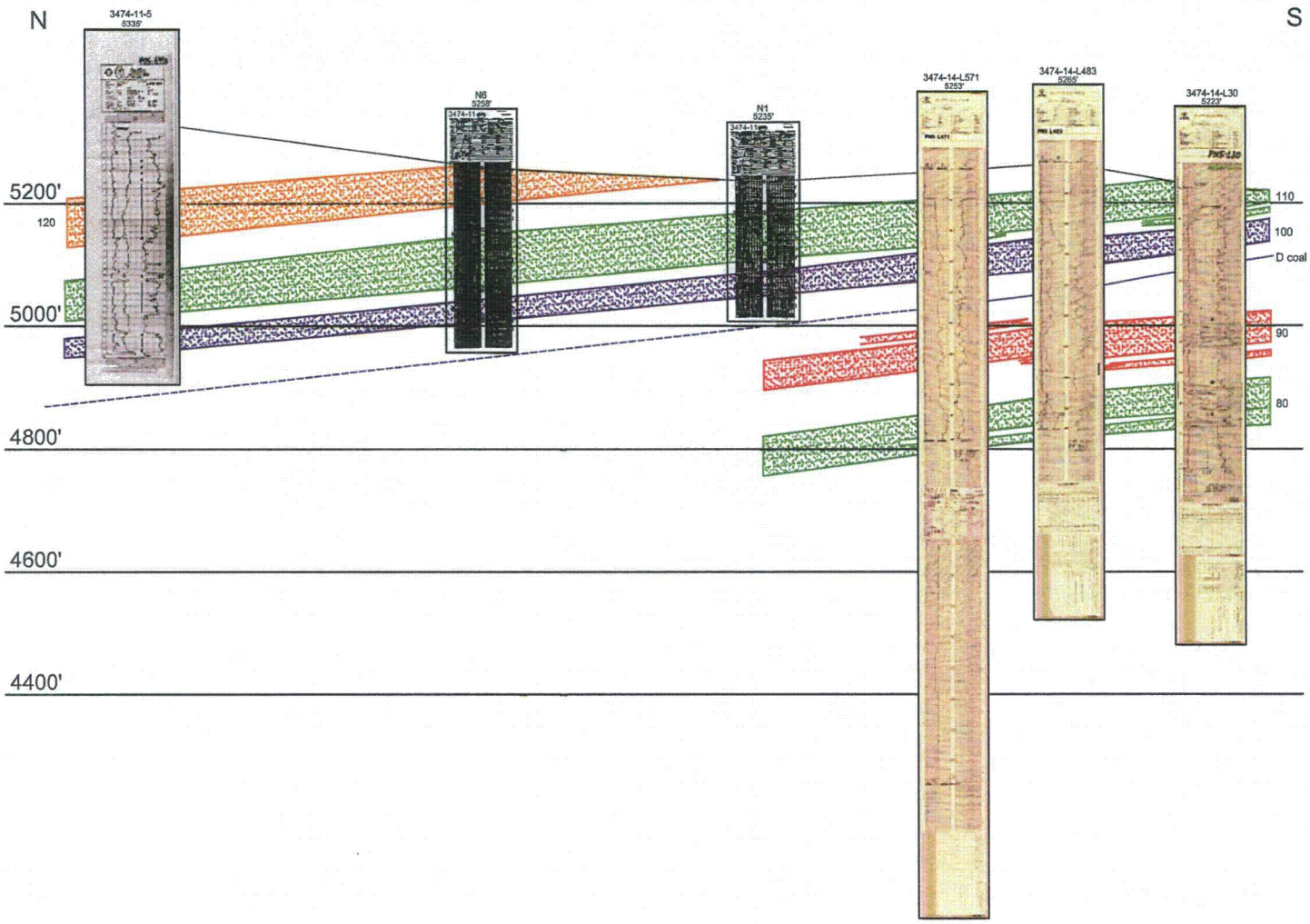

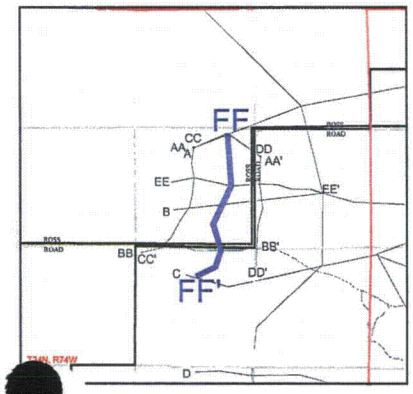

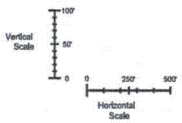

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LUDEMAN PROJECT

FF-FF' NEGLEY CROSS-SECTION

T.34N., R.74W., Sec. 11,14
CONVERSE COUNTY, WYOMING

Date: 02/09/2011	By: TB	Checked:	
Rev. No.	Description	Date	By

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Attachment B

Negley Subdivision Well Completion Reports

N-1	50986	
N-2	26629	
N-3	42818/83767	
N-4	40688	
N-5	40689	
N-6	50985	
N-7	26631	
N-8	173339	
N-9	180	No well completion report available
N-10	24572 (cancelled.)	Only Permit Application included, no completion report available
N-11	P08605P	No well completion report available
N-12	64309	
N-13a and b	30262/30263 - both canceled	Only Permit Application included, no completion report available
N-14	46720	
N-15	32804	
N-16	30265	
N-17	30264	
N-18	9485	No well completion report available
N-19	26630	
N-20	26415	
N-21	26463	
N-22	42928	
N-23	161492	Only Permit Application included, no completion report available

Form U.W. 6

RECEIVED JAN 21 1980 STATE ENGINEER Cheyenne, Wyo.

MICRO-FILMED FEB 6 '80

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

PERMIT NO. U.W. 50986 NAME OF WELL LaPlant #1

1. NAME OF OWNER Earlene LaPlant

2. ADDRESS P. O. Box 1615, Glenrock, WY Zip Code 82637

3. USE OF WATER: Domestic ☐ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☒
Well used to measure static water level only.

4. LOCATION OF WELL: SW ¼ SE ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically
(Bearing and Distance)
or 4186.1 ft. ~~North~~ South and 7017.9 ft. ~~East~~ West from the SE corner of Section 1, T. 34 N., R. 74 W.
(Strike out words not needed).

5. TYPE OF CONSTRUCTION: Drilled ☒ mud rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐
Other

6. CONSTRUCTION: Total Depth of Well 131 ft. Depth to Static Water Level 44.9 ft.

a. Casing Schedule New ☒ Used ☐

5 1/2" diameter from 0 ft. to 71 ft. Material PVC Gage Sch.40

____ diameter from ____ ft. to ____ ft. Material ____ Gage ____

____ diameter from ____ ft. to ____ ft. Material ____ Gage ____

b. Perforations: Type of perforator used Does not apply.

Size of perforations ____ inches by ____ inches.

Number of perforations and depths where perforated:

____ perforations from ____ ft. to ____ feet.

____ perforations from ____ ft. to ____ feet.

c. Was well screen installed? Yes ☒ No ☐

Diameter: 5 1/2" slot size: 1/32" set from 71 feet to 131 feet.

Diameter: ____ slot size: ____ set from ____ feet to ____ feet.

d. Was well gravel packed? Yes ☒ No ☐ Size of gravel 3/4"

e. Was surface casing used Yes ☒ No ☐ Was it cemented in place? Yes ☐ No ☒

7. NAME & ADDRESS OF DRILLER Teton Exploration Drlg. Co., P.O.Drawer A-1, Casper, WY 82602

8. DATE OF COMPLETION OF WELL (including pump installation) November 15, 1979

9. PUMP INFORMATION: Manufacturer No pump permanently installed. Type

Source of power ____ Horsepower ____ Depth of Pump Setting ____

Amount of Water Being Pumped 0 Gallons Per Minute. (For springs or flowing wells, see item 11.)

Permit No. U.W. 50986 Book No. 290 Page No. 19

U.W. 50986

10. **PUMP TEST:** Was a pump test made? Yes ☐ No ☒

If so, by whom_____ Address_____

Yield: _____gal./min. with_____foot drawdown after_____hours.

Yield: _____gal./min. with_____foot drawdown after_____hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well). Not flowing.

If well yields artesian flow, yield is_____gal./min. Surface pressure is_____lb./sq. inch, or_____feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled_____feet.

Depth of completed well_____feet. Diameter of well_____inches.

Depth to first water bearing formation_____feet.

Depth to principal water bearing formation Top_____feet to Bottom_____feet.

Ground Elevation, if known 5219.8

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	35	silt-clay			
35	40	silty sand containing sand			
		stringer			
40	48	clay			
48	82	fine to medium grained sand			
82	87	clay			
87	128	fine to medium grained sand		water bearing	perforated in-
		with occasional silt to clay			terval
		stringers			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☒ No ☐

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

U.W.50986

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
34	74	11															X		

TOTAL NUMBER OF ACRES TO BE IRRIGATED none

Original Supply _____ acres

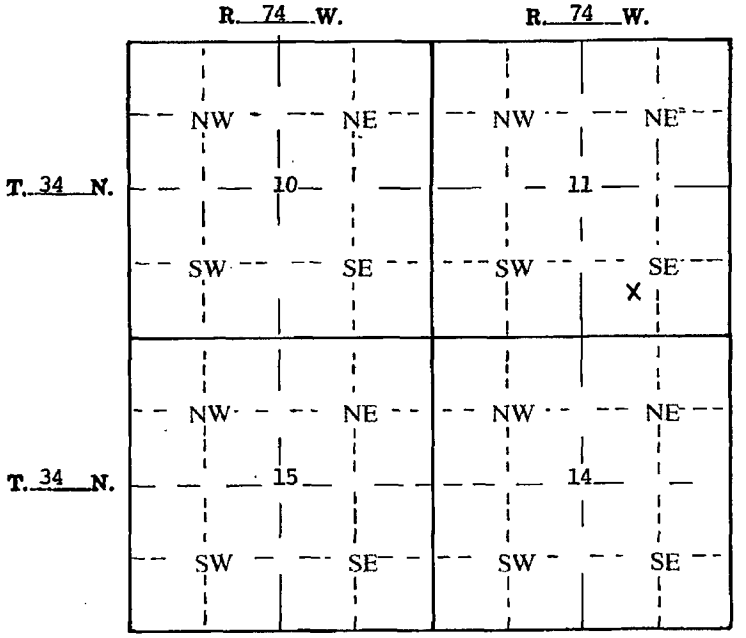
Supplemental Supply _____ acres

14. PLAT

a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.



Scale: 2" = 1 Mile

REMARKS: Well will be used to measure the static water level (SWL) of the groundwater quaifer open to the well. Personnel from Teton Exploration Drilling Co. will be taking the SWL measurements on a periodic basis. No water will be pumped from the well except during well development and any well testing.

U.W. 50986

15. **IF WELL IS TO BE ABANDONED,** complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Daniel M. Hall — **Signature of Owner or Authorized Agent**

1/17 — **Date** 19 80

Date of Receipt JAN 21 1980, 19

Date of Priority January 21, 19 80

Date of Approval January 31, 1980

for **State Engineer**

JAN 22 '75

Form U.W. 7

IF WELL IS TO BE ABANDONED, SEE ITEM 20

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

for Domestic or Stock Watering Use Only

A preferred water right is given to such use when the yield or flow does not exceed .056 cubic feet per second or 25 gallons per minute. Domestic use refers to household use and the watering of lawns and gardens for family use, not to exceed one acre.

Permit No. U.W. 26629 Temporary Filing No. 9-8-68

Water Division No. 1 (15-5)

U.W. District Converse County

**Completed Prior to May 24, 1969 ☐

NAME OF WELL Negley No. 3

1. Owner Jacob S. Negley
2. Address Glenrock, WY 82637
3. Agent to receive correspondence Dennis M. Hand, Attorney, P.O. Box 377, Glenrock, WY 82637
4. Name & address of driller Crimm Drilling, Inc., 311 South 4th Avenue, Casper, Wyoming 82601
5. Well is constructed on lands owned by Jacob S. Negley (Obtaining of easement or right of way is the responsibility of the applicant's. Include copy if land is privately owned and owner is not a co-applicant.)
6. Type of construction: Dug ☐ Drilled ☐ Rotary (Type of Rig)
   Driven ☐ Jet ☐ Other
7. Use of Water—Domestic ☒ Stock ☐
8. Means of conveyance, distance and direction to point of use PIPE 400'
9. Date started June 1, 19 74
10. Date completed June 2, 19 74 (including pump)
11. Date after completion when water was used June 5, 19 74
12. WELL DESCRIPTION
    Total Depth 120' Depth to Water Level 80 ft.
13. TEST DATA
    Yield 25 Gal. per Min. How Tested With Pump
    Drawdown ____ Length of Test ____
14. PUMP DATA
    Type Ruda Pump (Turbine, Centrifugal, etc.) Power Source Electricity (Elec., Gas, etc.)
    Horsepower 3/4 Amount of Water Being Used 25 (Gallons per Minute)
15. CASING RECORD

Plain Casing

Size 6"	Kind PLASTIC	from 0	ft. to 80	ft.
Size ____	Kind ____	from ____	ft. to ____	ft.
Size ____	Kind ____	from ____	ft. to ____	ft.

Perforated Casing

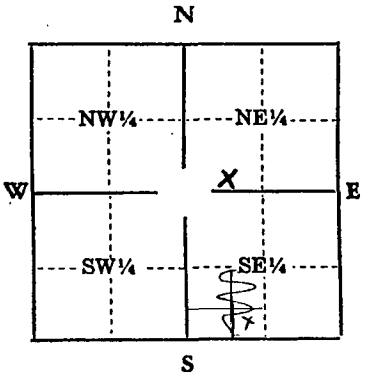
Size 6"	Kind PLASTIC	from 80	ft. to 120	ft.
Size ____	Kind ____	from ____	ft. to ____	ft.

WELL LOCATION

Converse County

SW ¼ of NE ¼ of Sec. 11

T. 34 N., R. 75 W.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac. or fill in the following:

Lot ____ & Block ____ or Tract ____

of the ____ (Subdivision or Addition)

of ____ (City, Town or County)

Section ____, T. ____ N., R. ____ W.

**For wells constructed after May 24, 1969, Application Form U.W. 5 must be submitted prior to construction.

Permit No. U.W. 26629 Book No. 138 Page No. 68

O.W. 26629

16. Was surface seal provided? Yes ☐ No ☐ To What Depth 0 - 120 Material used: GRAVEL
Was well gravel packed? Yes ☑ No ☐

17. FLOWING WELL (Owner is responsible for installing control device on flowing well.)
Does well flow? Yes ☐ No ☑
Flow controlled by: Valve ☐ Cap ☐ Plug ☐ Does well leak around casing? Yes ☐ No ☐

18. LOG OF WELL—Clearly indicate first water bearing material and principal water bearing material.

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
80-120	120	SAND & LIME GRAY	GRAVEL	80-120	80-120
		80			
		120			
		80			

19. QUALITY OF WATER INFORMATION
Was a chemical analysis made? Yes ☐ No ☑
If so, please include a copy of the analysis with this form.
If not, do you consider the water as: Good ☑ Acceptable ☐ Poor ☐ Unusable ☐
Was a bacteriological analysis made? Yes ☐ No ☑
If a domestic well, was the well disinfected by the driller? Yes ☐ No ☑

20. IF WELL IS TO BE ABANDONED, complete only Items 1 through 6, Item 10 and Item 18 (Log of Well) and state reason for abandonment below.
It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

J. D. Nagley
Signature of Owner or Authorized Agent

_____, 19____
Date

Date of Receipt: DEC 6 1974, 19____ Date of Priority: May 16, 1974

Oneida Thompson

Date of Approval: JAN. 5, 1975

for State Engineer

RECEIVED APR 26 1979 STATE ENGINEER Cheyenne, Wyo.

RECEIVED APR 25 1979 STATE ENGINEER Cheyenne, Wyo.

MICRO-FILMED AUG 8 '79

Form U.W.6

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

ASSIGNED: SEE CURRENT ENDORSEMENT

PERMIT NO. U.W. 42818 NAME OF WELL Negley #6

Weldon W. + Candy Yoder

1. NAME OF OWNER ~~J. S. Negley~~ P.O. Box 756

2. ADDRESS Baggy Glenrock, Wyo Zip Code 82637

3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐

4. LOCATION OF WELL: ~~NW~~ NE¼ SE¼ of Section 11, T. ~~34~~ 33 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically

(Bearing and Distance)

or _____ ft. North South and _____ ft. East West from the _____ corner of Section _____, T. _____ N., R. _____ W. (Strike out words not needed).

5. TYPE OF CONSTRUCTION: Drilled ☒ _____ (Type of Rig) Dug ☐ Driven ☐ Jetted ☒

Other _____

6. CONSTRUCTION: Total Depth 120' ft. Depth to Water Level 85 ft.

a. Casing Schedule New ☒ Used ☐

5" diameter from _____ ft. to _____ ft. Material 250 Steel Gage _____

_____ diameter from _____ ft. to _____ ft. Material _____ Gage _____

_____ diameter from _____ ft. to _____ ft. Material _____ Gage _____

b. Perforations: Type of perforator used Sawed

Size of perforations 1/16" inches by 2" inches.

Number of perforations and depths where perforated:

_____ perforations from 40" ft. to 120" feet.

_____ perforations from _____ ft. to _____ feet.

c. Was well screen installed? Yes ☐ No ☐

Diameter: _____ slot size: _____ set from _____ feet to _____ feet.

Diameter: _____ slot size: _____ set from _____ feet to _____ feet.

d. Was well gravel packed? Yes ☒ No ☐ Size of gravel 5/8 Pea

e. Was surface casing used Yes ☐ No ☐ Was it cemented in place? Yes ☐ No ☒

7. NAME & ADDRESS OF DRILLER Payne Drilling Co

8. DATE OF COMPLETION OF WELL (including pump installation) April 9th x 79

9. PUMP INFORMATION: Manufacturer Pearce Series 8 Type Submersible

Source of power P&L Horsepower ½ HP Depth of Pump Setting 100'

Amount of Water Being Pumped 20 Gallons Per Minute.

Permit No. U.W. 42818 Book No. 230 Page No. 100

U.W. 42818

10. **PUMP TEST:** Was a pump test made? Yes ☐ No ☐

If so, by whom_____ Address_____

Yield: _____gal./min. with_____foot drawdown after_____hours.

Yield: _____gal./min. with_____foot drawdown after_____hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is_____gal./min. Surface pressure is_____lb./sq. inch, or_____feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled_____feet.

Depth of completed well_____feet. Diameter of well_____inches.

Depth to first water bearing formation_____feet.

Depth to principal water bearing formation Top_____feet to Bottom_____feet.

Ground Elevation, if known_____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
		See attached log.			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☐

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

U.W. 42818

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
															✓				

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply_____acres

Supplemental Supply_____acres

14. PLAT

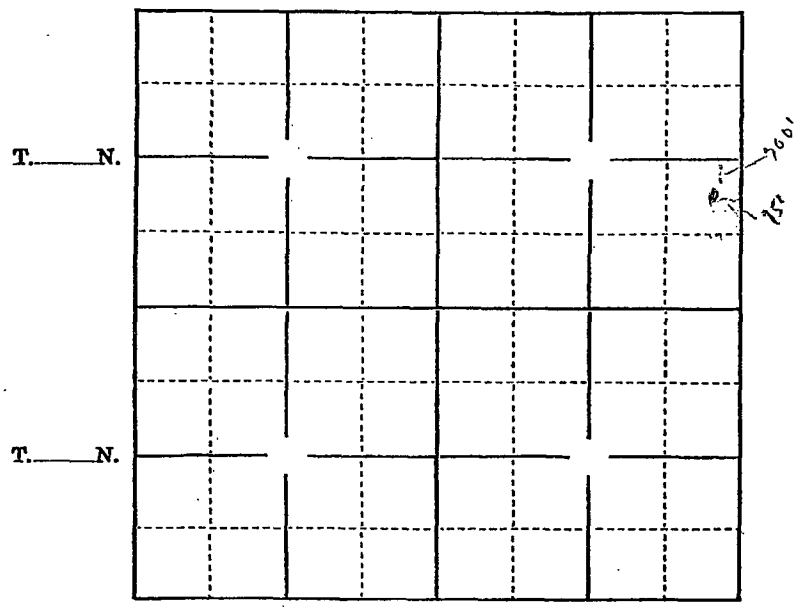
a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.

R._____W. R._____W.

Scale: 2" = 1 Mile



REMARKS: _____

U.W. 42818

15. **IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.**

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

X J D Ingles
Signature of Owner or Authorized Agent

X April 1st, 19 79
Date

Date of Receipt APR 2 5 1979, 19____

Date of Priority April 20, 19 78

Date of Approval July 16, 19 79

Richard A. Whitmore
for State Engineer

FILMED MAY 30 '79

RECEIVED APR 23 1979 STATE ENGINEER Cheyenne, Wyo.

Form U.W. 6

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

ASSIGNED: SEE CURRENT ENDORSEMENT

PERMIT NO. U.W. 40688 NAME OF WELL Bourquin No. 2

Weldon W. & Candy Yoder

1. NAME OF OWNER ~~Evart L. Bourquin~~

2. ADDRESS ~~Box 231 Glenrock Wyo~~ P.O. Box 756, Glenrock, Wy 82637 Zip Code ~~82637~~

3. USE OF WATER: Domestic ☐ Stock Watering ☒ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐

4. LOCATION OF WELL: SW¼ NE¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically (Bearing and Distance) or 3122 ft. ~~North~~ South and 1982 ft. ~~East~~ West from the NE corner of Section 11, T. 34 N., R. 74 W. (Strike out words not needed).

5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐

Other

6. CONSTRUCTION: Total Depth 200 ft. Depth to Water Level 170 ft.

a. Casing Schedule New ☒ Used ☐

5 in. diameter from 0 ft. to 200 ft. Material Styrene Gage .200

diameter from ft. to ft. Material Gage

diameter from ft. to ft. Material Gage

b. Perforations: Type of perforator used saw

Size of perforations ¼ inches by 12 inches.

Number of perforations and depths where perforated:

80 perforations from 200 ft. to 140 feet.

perforations from ft. to feet.

c. Was well screen installed? Yes ☐ No ☒

Diameter: slot size: set from feet to feet.

Diameter: slot size: set from feet to feet.

d. Was well gravel packed? Yes ☒ No ☐ Size of gravel ¼"

e. Was surface casing used Yes ☐ No ☒ Was it cemented in place? Yes ☐ No ☒

7. NAME & ADDRESS OF DRILLER Payne Drilling Co. Glenrock Wyo 82637

8. DATE OF COMPLETION OF WELL (including pump installation) March 25, 1979

9. PUMP INFORMATION: Manufacturer Aer motor Type Windmill

Source of power Wind Horsepower Depth of Pump Setting ~~140~~ 193 ft. per letter Rec'd 5-4-79. dw

Amount of Water Being Pumped 12 Gallons Per Minute.

Permit No. U.W. 40688 Book No. 216 Page No. 75

U.W. 40688

10. **PUMP TEST:** Was a pump test made? Yes ☐ No ☒

If so, by whom_____ Address_____

Yield: _____gal./min. with_____foot drawdown after_____hours.

Yield: _____gal./min. with_____foot drawdown after_____hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is_____gal./min. Surface pressure is_____lb./sq. inch, or_____feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled 200 feet.

Depth of completed well 200 feet. Diameter of well 8 inches.

Depth to first water bearing formation 170 feet.

Depth to principal water bearing formation Top 170 feet to Bottom 200 feet.

Ground Elevation, if known_____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0'	10'	Surface silt			
10'	40'	Blow sand			
40'	170'	Shale			140' To
170'	200'	Sand			200'

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☒

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☒ Acceptable ☐ Poor ☐ Unusable ☐

D.O. 40688

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply_____acres

Supplemental Supply_____acres

14. PLAT

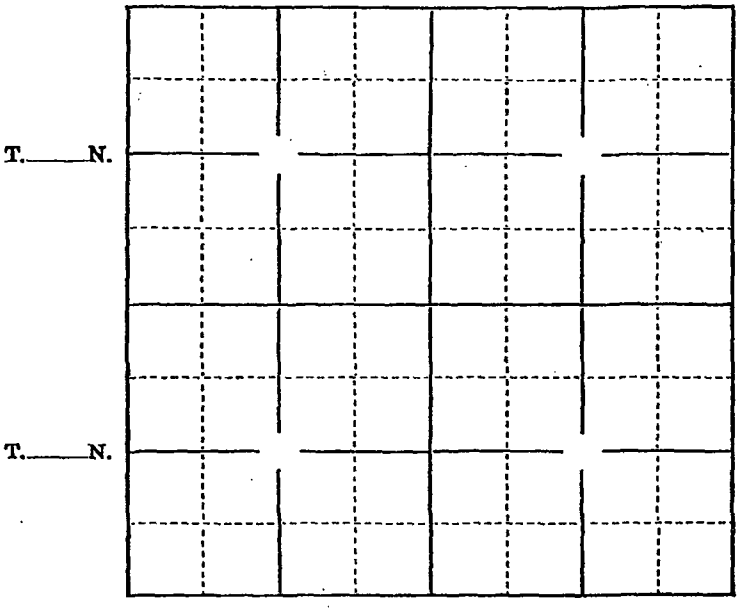
a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.

R._____W. R._____W.

Scale: 2" = 1 Mile



REMARKS: _____

UW. 40688

15. **IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.**

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Evert L. Bourgeois — **Signature of Owner or Authorized Agent**

April 12, 1979 — **Date**

APR 1 3 1979

Date of Receipt _____, 19____

Date of Priority November 2, 19 77

Date of Approval May 10, 19 79

Richard L. Stephens — **for State Engineer**

RECEIVED DEC 13 1978 STATE ENGINEER Cheyenne, Wyo.

MICRO-FILMED MAR 7 '79

Form U.W. 6

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

ASSIGNED: SEE CURRENT ENDORSEMENT

PERMIT NO. U.W. 40689 NAME OF WELL Bourquin No. 1

Weldon W. + Candy Yoder

1. NAME OF OWNER ~~Evert L. Bourquin~~

2. ADDRESS ~~506 S. 3rd Box 934 Glenrock, Wyo.~~ P.O. Box 756 Zip Code 82637

3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐

4. LOCATION OF WELL: SE ¼ NE ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically

(Bearing and Distance)

or 1953 ft. ~~South~~ and 1573 ft. ~~East~~ West from the NE corner of Section 11, T. 34 N., R. 74 W. (Strike out words not needed).

5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☒

Other

6. CONSTRUCTION: Total Depth 125 ft. Depth to Water Level ~~110~~ 65 per letter 2/13/79 PB ft.

a. Casing Schedule New ☒ Used ☐

5" diameter from 0 ft. to 125 ft. Material Plastic Gage 200

____ diameter from ____ ft. to ____ ft. Material ____ Gage ____

____ diameter from ____ ft. to ____ ft. Material ____ Gage ____

b. Perforations: Type of perforator used Saw

Size of perforations ¼ inches by 10 inches.

Number of perforations and depths where perforated:

40 perforations from 60 ft. to 125 feet.

____ perforations from ____ ft. to ____ feet.

c. Was well screen installed? Yes ☒ No ☐

Diameter: ____ slot size: ____ set from ____ feet to ____ feet.

Diameter: ____ slot size: ____ set from ____ feet to ____ feet.

d. Was well gravel packed? Yes ☒ No ☐ Size of gravel ½"

e. Was surface casing used Yes ☐ No ☒ Was it cemented in place? Yes ☐ No ☒

7. NAME & ADDRESS OF DRILLER ~~Evert L. Bourquin~~ Evert L. Bourquin

8. DATE OF COMPLETION OF WELL (including pump installation) Nov 15, 1978

9. PUMP INFORMATION: Manufacturer Fairbanks Morse Type Submersible

Source of power Electric Horsepower 1 Depth of Pump Setting 110

Amount of Water Being Pumped 20 12 Gallons Per Minute.

Permit No. U.W. 40689 Book No. 216 Page No. 76

U.W. 40689

10. **PUMP TEST:** Was a pump test made? Yes ☐ No ☒

If so, by whom_____ Address_____

Yield: _____gal./min. with_____foot drawdown after_____hours.

Yield: _____gal./min. with_____foot drawdown after_____hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is_____gal./min. Surface pressure is_____lb./sq. inch, or_____feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled 125 feet.

Depth of completed well 125 feet. Diameter of well 8 inches.

Depth to first water bearing formation 110 feet.

Depth to principal water bearing formation Top 110 feet to Bottom 115 feet.

Ground Elevation, if known_____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	5	Topsoil + clay			
5	35	Sand			
35	110	Bentonite + Greyshale			
110	115	Sand		✓	45' up
115	125	Blue shale			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☒

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

U.W. 40689

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply_____acres

Supplemental Supply_____acres

14. PLAT

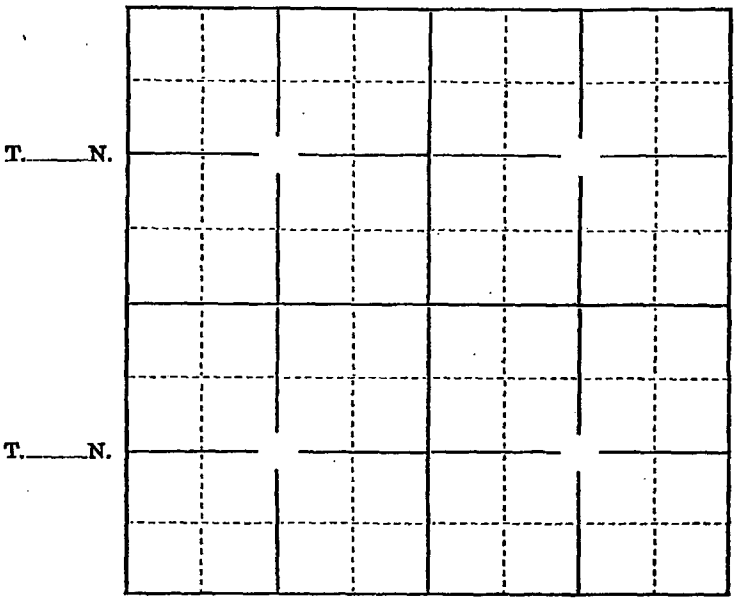
a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.

R._____W. R._____W.

Scale: 2" = 1 Mile



REMARKS: _____

U.W. 40689

15. **IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.**

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Evert L. Bourgeois — **Signature of Owner or Authorized Agent**

Dec 12, 19 78 — **Date**

Date of Receipt DEC 1 3 1978 AW, 19____

Date of Priority November 2, 19 77

Date of Approval Feb. 20, 19 79

for State Engineer

Form U.W. 6

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

PERMIT NO. U.W. 50985 NAME OF WELL KT-2

1. NAME OF OWNER Robert Haun
2. ADDRESS P. O. Box 125, Glenrock, WY Zip Code 82637
3. USE OF WATER: Domestic ☐ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☒
   Well used to monitor static water level only.
4. LOCATION OF WELL: SW ¼ NE ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically
   (Bearing and Distance)
   or 2624.5 ft. ~~North~~ South and 6183.8 ft. ~~East~~ West from the SE corner of Section 1, T. 34 N., R. 74 W.
   (Strike out words not needed).
5. TYPE OF CONSTRUCTION: Drilled ☒ mud rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐
   Other
6. CONSTRUCTION: Total Depth 196.0 ft. Depth to Water Level 66.7 ft.
   a. Casing Schedule New ☒ Used ☐
   5 1/2" diameter from 0 ft. to 106 ft. Material PVC Gage Sch. 40
   5 1/2" diameter from 186 ft. to 196 ft. Material PVC Gage Sch. 40
   _____ diameter from _____ ft. to _____ ft. Material _____ Gage _____
   b. Perforations: Type of perforator used Does not apply.
   Size of perforations _____ inches by _____ inches.
   Number of perforations and depths where perforated:
   _____ perforations from _____ ft. to _____ feet.
   _____ perforations from _____ ft. to _____ feet.
   c. Was well screen installed? Yes ☒ No ☐
   Diameter: 5 1/2" slot size: 1/32" set from 106 feet to 186 feet.
   Diameter: _____ slot size: _____ set from _____ feet to _____ feet.
   d. Was well gravel packed? Yes ☒ No ☐ Size of gravel 3/4"
   e. Was surface casing used Yes ☒ No ☐ Was it cemented in place? Yes ☐ No ☒
7. NAME & ADDRESS OF DRILLER Teton Exploration Drilling Co., P. O. Drawer A-1, Casper, WY 82602
8. DATE OF COMPLETION OF WELL (including pump installation) November 16, 1979
9. PUMP INFORMATION: Manufacturer No pump permanently installed. Type
   Source of power Horsepower Depth of Pump Setting
   Amount of Water Being Pumped 0 Gallons Per Minute.

Permit No. U.W. 50985 Book No. 290 Page No. 18

U.W. 50985

10. PUMP TEST: Was a pump test made? Yes ☐ No ☒

If so, by whom_____ Address_____

Yield: _____gal./min. with_____foot drawdown after_____hours.

Yield: _____gal./min. with_____foot drawdown after_____hours.

11. FLOWING WELL (Owner is responsible for control of flowing well). Not flowing.

If well yields artesian flow, yield is_____gal./min. Surface pressure is_____lb./sq. inch, or_____feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. LOG OF WELL: Total depth drilled 196 feet.

Depth of completed well 196 feet. Diameter of well 5-1/2 inches.

Depth to first water bearing formation_____feet.

Depth to principal water bearing formation Top_____feet to Bottom_____feet.

Ground Elevation, if known 5241.9'

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	60	Oxidized s.s.; yellow-orange v.f.-v.c. grnd.			
60	110	Fresh clay; blue-gray; V. silty & sandy			
110	120	Altered clay; reddish; v. silty & sandy; yellow			
120	195	Silty, oxidized; v.f.-v.c. grnd. (yellow-gray) s.s.			
195	196	Altered yellow-red; v.silty & sandy clay			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☒ No ☐

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

U.W. 50985

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
34	74	11			X														

TOTAL NUMBER OF ACRES TO BE IRRIGATED none

Original Supply _____ acres

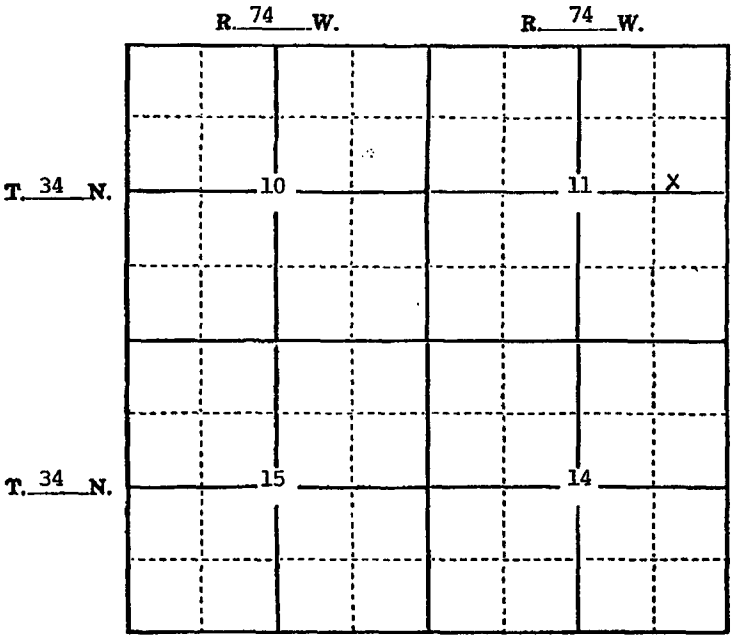
Supplemental Supply _____ acres

14. PLAT

a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.



Scale: 2" — 1 Mile

REMARKS: Well will be used to measure the static water level (SWL) of the groundwater aquifer open to the well. Personnel from Teton Exploration Drilling Company will be taking the SWL measurements on a periodic basis. No water will be pumped from the well except during well development and any well testing.

U.W. 50985

15. IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Daniel M. Hedly
Signature of Owner or Authorized Agent

1/17, 19 80
Date

Date of Receipt JAN 21 1980, 19

Date of Priority January 21, 19 80

Date of Approval January 31, 19 80

for State Engineer

U.W. 50985

15. IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Daniel M. Hully
Signature of Owner or Authorized Agent

1/17, 19 80
Date

Date of Receipt JAN 21 1980, 19

Date of Priority January 21, 19 80

Date of Approval January 31, 19 80

for State Engineer

JAN 22 '75

Form U.W. 7

IF WELL IS TO BE ABANDONED, SEE ITEM 20

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

for Domestic or Stock Watering Use Only

A preferred water right is given to such use when the yield or flow does not exceed .056 cubic feet per second or 25 gallons per minute. Domestic use refers to household use and the watering of lawns and gardens for family use, not to exceed one acre.

Permit No. U.W. 26631 Temporary Filing No. 9-10-68

Water Division No. 1 (15-5)

U.W. District Converse County

**Completed Prior to May 24, 1969 ☐

NAME OF WELL Negley No. 5

1. Owner Jacob S. Negley
2. Address Glenrock, WY 82637
3. Agent to receive correspondence Dennis M Iland, Attorney, P. O. Box 277, Glenrock, WY 82637
4. Name & address of driller Crimm Drilling, Inc., 311 South 4th Avenue, Casper, Wyoming 82601
5. Well is constructed on lands owned by Jacob S. Negley (Obtaining of easement or right of way is the responsibility of the applicant's. Include copy if land is privately owned and owner is not a co-applicant.)
6. Type of construction: Dug ☐ Drilled ☒ Rotary (Type of Rig)
   Driven ☐ Jet ☐ Other
7. Use of Water—Domestic ☒ Stock ☐
8. Means of conveyance, distance and direction to point of use PIPE 400 EAST
9. Date started June 2, 19 74
10. Date completed June 3, 19 74 (including pump)
11. Date after completion when water was used June 5, 19 74
12. WELL DESCRIPTION
    Total Depth 120' Depth to Water Level 70 ft.
13. TEST DATA
    Yield 25 Gal. per min. How Tested With Pump
    Drawdown Length of Test
14. PUMP DATA
    Type Ruda Pump (Turbine, Centrifugal, etc.) Power Source Electricity (Elec., Gas, etc.)
    Horsepower -- Amount of Water Being Used 25 (Gallons per Minute)
15. CASING RECORD

Plain Casing

Size 6"	Kind PLASTIC	from 0	ft. to 80	ft.
Size	Kind	from	ft. to	ft.
Size	Kind	from	ft. to	ft.

Perforated Casing

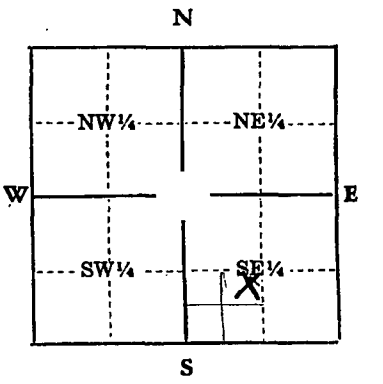
Size 6"	Kind PLASTIC	from 80	ft. to 120	ft.
Size	Kind	from	ft. to	ft.

WELL LOCATION

Converse County

N½SW¼ of SE¼ of Sec. 11

T. 34 N., R. 75 W.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac. or fill in the following:

Lot ____ & Block ____ or Tract ____

of the ____ (Subdivision or Addition)

of ____ (City, Town or County)

Section ____, T. ____ N., R. ____ W.

**For wells constructed after May 24, 1969, Application Form U.W. 5 must be submitted prior to construction.

Permit No. U.W. 26631 Book No. 138 Page No. 70

O.W. 26631

16. Was surface seal provided? Yes ☐ No ☐ To What Depth 0 - 120 Material used: ¾ gravel
Was well gravel packed? Yes ☑ No ☐

17. FLOWING WELL (Owner is responsible for installing control device on flowing well.)
Does well flow? Yes ☐ No ☑
Flow controlled by: Valve ☐ Cap ☐ Plug ☐ Does well leak around casing? Yes ☐ No ☐

18. LOG OF WELL—Clearly indicate first water bearing material and principal water bearing material.

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
80	120	SANDY LIME GRAY	GRAVEL PACK	80-120	80-120
		70			
		120			
		70			

19. QUALITY OF WATER INFORMATION
Was a chemical analysis made? Yes ☐ No ☑
If so, please include a copy of the analysis with this form.
If not, do you consider the water as: Good ☑ Acceptable ☐ Poor ☐ Unusable ☐
Was a bacteriological analysis made? Yes ☐ No ☑
If a domestic well, was the well disinfected by the driller? Yes ☐ No ☑

20. IF WELL IS TO BE ABANDONED, complete only Items 1 through 6, Item 10 and Item 18 (Log of Well) and state reason for abandonment below.
It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

J. B. Wagley
Signature of Owner or Authorized Agent

_____, 19____
Date

Date of Receipt: DEC 6 1974, 19____ Date of Priority: May 16, 19 74

Amelia Thompson

Date of Approval: Jan. 5, 1975

for State Engineer

FORM U.W.6
Rev. 5/05

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E
CHEYENNE, WYOMING 82002
(307) 777-6163

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL OR SPRING

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

PERMIT NO. U.W. 173339 NAME OF WELL/SPRING WOECK #1

1. NAME OF OWNER PETER F. WOECK, II

2. ADDRESS P.O. Box 520
☑ Please check if address has changed from that shown on permit.
City GLENROCK State WY Zip Code 82637 Phone No. 307-234-3561

3. USE OF WATER ☒ Domestic ☐ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous
☐ Monitor or Test ☐ Coal Bed Methane Explain proposed use (Example: One single family dwelling) _____

4. LOCATION OF WELL/SPRING SE 1/4 NE 1/4 of Section 9, T. 34 N., R 74 W., of the 6th P.M. (or W.R.M.)
GPS coordinates UTM Zone _____ Easting _____ Northing _____
Subdivision name _____ Lot _____ Block _____
If surveyed, bearing, distance, and reference point _____
Longitude (degrees, minutes, seconds) N42° 55.954' Latitude (degrees, minutes, seconds) W105° 43.928'
Datum: ☐ 1927 ☐ 1983 Source: ☒ GPS ☐ Map ☐ Survey

5. TYPE OF CONSTRUCTION Drilled ☒ ROTARY (type of rig, and fluid used, if any) ☐ Dug ☐ Driven ☐ Other
Describe _____

6. CONSTRUCTION Total depth of well/spring 380 ft.
Depth to static water level 110 ft. (below land surface) Casing height 2 ft. above ground
a. Diameter of borehole (bit size) 7 7/8 inches
b. Casing schedule ☒ New ☐ Used Joint type ☐ Threaded ☐ Glued ☐ Welded ☒ SPLINE
6" diameter from 0 ft. to 380 ft. Material PVC Gage SCHEDULE 40
_____ diameter from _____ ft. to _____ ft. Material _____ Gage _____
c. Cemented/grouted interval, from 325 ft. to 330 ft.
Amount of grout used 1 SACK (example: 10 sacks) type BENTONITE CHIPS (example: bentonite pellets)
d. Type of completion ☒ Factory screen ☐ Open hole ☐ Customized perforations
Type of perforator used _____
Size of perforations _____ inches by _____ inches
Number of perforations and depths where perforated
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Open hole from _____ ft. to _____ ft.
Well screen details
Diameter 5" slot size .032 set from 340 ft. to 380 ft.
Diameter _____ slot size _____ set from _____ ft. to _____ ft.
e. Well development method AIRLIFT How long did development last? 2 HOURS
f. Was a filter/gravel pack installed? ☒ Yes ☐ No Size of sand/gravel 3/8 MINUS WASHED PEA GRAVEL
Filter pack/gravel installed from 330 ft. to 380 ft.
g. Was surface casing used? ☐ Yes ☒ No Was it cemented in place? ☐ Yes ☐ No
Surface casing installed from _____ ft. to _____ ft.

RECEIVED
NOV 21 2007
STATE ENGINEERS
CHEYENNE, WYOMING

7. NAME AND ADDRESS OF DRILLING COMPANY PRONGHORN DRILLING, GLENROCK, WY

8. DATE OF COMPLETION OF WELL (including pump installation) OR SPRING (first used) NOVEMBER 2, 2007

9. PUMP INFORMATION Manufacturer GRUNDFOS Type SUBMERSIBLE
Source of power ELECTRICITY Horsepower 3 Depth of pump setting or intake 340 ft.
Amount of water being pumped 25 gal./min. (For springs or flowing wells, see item 10)
Total volumetric quantity used per calendar year 325,000

10. FLOWING WELL OR SPRING (Owner is responsible for control of flowing well)
If well yields artesian flow or if spring, yield is _____ gal./min. Surface pressure is _____ lb./sq.inch, or _____ feet of water
The flow is controlled by ☐ Valve ☐ Cap ☐ Plug
Does well leak around casing? ☐ Yes ☐ No

Permit No. U.W. 173339 Book No. 1262 Page No. 42

SEE REVERSE SIDE

11. IF SPRING, HOW WAS IT CONSTRUCTED? (Some method of artificial diversion, i.e., springbox, cribbing, etc., is necessary to qualify for a water right) _____

12. PUMP TEST Was a pump test conducted? ☐ Yes ☐ No
If so, by whom _____
Yield _____ gal./min. with _____ ft. drawdown after _____ hours
Yield _____ gal./min. with _____ ft. drawdown after _____ hours

13. LOG OF WELL Total depth drilled 400 ft.
Depth of completed well 380 ft. Diameter of well 5 inches.
Depth to first water bearing formation 340 ft.
Depth to principal water bearing formation top 340 ft. to bottom 380 ft.

Land surface elevation (ft. above mean sea level) 5,320 FT Datum ☐ 1929 ☐ 1988
How determined ☐ Map ☐ Altimeter ☐ Survey ☒ Other GPS

DRILL CUTTINGS DESCRIPTION:

From	To Ft.	Rock Type Or Description	Formation	Water Bearing? (Yes or No)
Surface	2	TOP SOIL		NO
2	10	DARK BROWN SANDY CLAY		NO
10	80	WHITE SILTED SAND		NO
80	90	OXIDIZED SILTED SAND		NO
90	115	DARK GRAY CLAYSTONE		NO
115	130	OXIDIZED W/ PINK CLAY MIXED		NO
130	165	GRAY FINE TO COARSE SILTED SANDS		NO
165	170	OXIDIZED CLAY		NO
170	175	DARK GRAY CLAY		NO
175	180	OXIDIZED CLAY		NO
180	225	FINE SILTED SANDS		NO
225	240	OXIDIZED FINE TO COARSE SILTED SANDS		NO
240	265	DARK GRAY CLAYSTONE		NO
265	280	FINE COAL W/ CARBONACEOUS SILTS		NO
280	335	DARK GRAY CLAYSTONE		NO
335	340	CALCITE STRINGER		NO
340	370	FINE TO COARSE SILT & PEPPER SAND		YES
370	380	FINE TO COARSE GRAVEL-GRAY to BLACK to WHITE IN COLOR		YES
380	400	GRAY SILTED CLAYS		NO

14. DOES A GEOPHYSICAL LOG ACCOMPANY THIS FORM? ☐ Yes ☐ No

15. QUALITY OF WATER INFORMATION
Does a chemical and/or bacteriological water quality analysis accompany this form? ☐ Yes ☒ No
It is recommended that chemical and bacteriologic water quality analyses be performed and that the report(s) be filed with the records of this well. (Contact Department of Agriculture, Analytical Lab Services, Laramie, 742-2984.)
If not, do you consider the quality of water as ☒ Good ☐ Acceptable ☐ Poor ☐ Unusable

REMARKS _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct, and complete.

_____ NOVEMBER 19, 2007
Signature of Owner or Authorized Agent Date

FOR STATE ENGINEER'S USE ONLY

Permit No. U.W. 173339
Date of Receipt NOV 21 2007, 20____ Date of Approval _____, 20____
Date of Priority 2/24/2006
for State Engineer

Form U.W. 5

NOTE: Do not fold this form. Use typewriter or ball point pen.

Cancelled

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

FILING FEE $2.00

Temporary Filing No. U.W. 8-9-308

PERMIT NO. U.W. 24572

NAME AND NUMBER OF WELL: A.C. #1

WATER DIVISION NO. 1 DISTRICT 1-S

U.W. DISTRICT Converse Co.

1. Name of applicant(s) A.C. Layton Phone: 265-1887
2. Address of applicant(s) 166 No. Iowa Ave., Casper, Wyo. Zip: 82601
3. Name & address of agent to receive correspondence and notices
4. Use to which the water will be applied: Irrigation ☐ Municipal ☐ Industrial ☐ Commercial ☐ Domestic ☒ Stock Watering ☒ Other
5. Location of the well: Converse County, NE¼ NW¼ NW¼ Sec. 11, T. 34 N., R. 74 W., or Lot ____, Block ____ of the ____ Subdivision (or Add'n) of ____, Sec. ____, T. ____ N., R. ____ W., of the 6th P.M. (or W.R.M.), Wyoming.
6. Estimated depth of the well is 150 feet.
7. MAXIMUM quantity of water to be developed and beneficially used: 25 gallons per minute.
   Note: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute.
8. If for irrigation use,
   ☐ Land will be irrigated from this well only.
   ☐ Land is irrigated from existing water right(s) to be supplemented by this well. Describe existing water right(s) under REMARKS.
9. If for irrigation use, describe MAXIMUM acreage to be irrigated.
   Show number of acres to be irrigated in each 40-acre subdivision.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

REMARKS:

Permit No. U.W. 24572

Book No. 128 Page No. 12

10. The well is to be constructed on lands owned by A.C. Layton
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not a co-applicant.)

11. The water is to be used on lands owned by A.C. Layton
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION.

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

A.C. Layton — Signature of Applicant or Authorized Agent

Sept 18 19 73 — Date

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING }
STATE ENGINEER'S OFFICE } ss.

This instrument was received and filed for record on the 20th day of September, A. D. 19 73, at 9:00 o'clock A.M.

Permit No. U.W. 24572

Karen N. Armour for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.

Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 19 75.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 29th day of Sept. A. D. 19 73

Richard G. Stockdale
for State Engineer.

May 31, 1974 - Notice of expiration of time for commencement mailed. MAY 20 '74
October 4, 1974 - 30 Day Cancellation Notice for Commencement mailed OCT 7 '74
December 11, 1974 - This permit cancelled in compliance with the provisions of Section 41-206, Wyoming Statutes, 1957.

MICRO-FILMED

DEC 18 '74

Richard G. Stockdale
RICHARD G. STOCKDALE - Ground Water Geologist

MICRO-FILMED OCT 22'73

Form U.W. 5

NOTE: Do not fold this form. Use typewriter or ball point pen.

Cancelled

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

Temporary Filing No. U.W. 8-9-308

FILING FEE $2.00

PERMIT NO. U.W. 24572

NAME AND NUMBER OF WELL A.C. #1

WATER DIVISION NO. 1 DISTRICT 155

U.W. DISTRICT Converse Co.

1. Name of applicant(s) A.C. Layton Phone: 265-1887
2. Address of applicant(s) 166 No. Iowa Ave., Casper, Wyo Zip: 82601
3. Name & address of agent to receive correspondence and notices _____
4. Use to which the water will be applied: Irrigation ☐ Municipal ☐ Industrial ☐ Commercial ☐ Domestic ☒ Stock Watering ☒ Other _____
5. Location of the well: Converse County, NE¼ NE¼ of Sec. 11, T. 34 N., R. 71 W., or Lot ____, Block ____ of the _____ Subdivision (or Add'n) of _____, Sec. ____, T. ____ N., R. ____ W., of the 6th P.M. (or W.R.M.), Wyoming.
6. Estimated depth of the well is 150 feet.
7. MAXIMUM quantity of water to be developed and beneficially used: 25 gallons per minute.
   Note: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute.
8. If for irrigation use,
   ☐ Land will be irrigated from this well only.
   ☐ Land is irrigated from existing water right(s) to be supplemented by this well. Describe existing water right(s) under REMARKS.
9. If for irrigation use, describe MAXIMUM acreage to be irrigated.
   Show number of acres to be irrigated in each 40-acre subdivision.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

REMARKS: _____

Permit No. U.W. 24572 Book No. 128 Page No. 12

10. The well is to be constructed on lands owned by A.C. Layton
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not a co-applicant.)

11. The water is to be used on lands owned by A.C. Layton
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION.

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

A.C. Layton — Signature of Applicant or Authorized Agent

Sept 18 19 73 — Date

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING }
STATE ENGINEER'S OFFICE } ss.

This instrument was received and filed for record on the 20th day of September, A. D. 19 73, at 9:00 o'clock A.M.

Permit No. U.W. 24572

Karen N. Armour for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum devlopment and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.

Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 19 75.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 20th day of Sept. A. D. 19 73

for State Engineer.

May 31, 1974 - Notice of expiration of time for commencement mailed. MAY 20 '74

October 4, 1974 - 30 Day Cancellation Notice for Commencement mailed OCT 7 '74

December 11, 1974 - This permit cancelled in compliance with the provisions of Section 41-206, Wyoming Statutes, 1957.

DEC 18 '74

RICHARD G. STOCKDALE - Ground Water Geologist

Form U.W. 6
Rev. 2-83

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

MICRO FILMED MAY 2 '84

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

PERMIT NO. U.W. 64309 NAME OF WELL Huxtable #1

1. NAME OF OWNER Gary and Karen Huxtable

2. ADDRESS Box 311 Glenrock Wyo. Zip Code 82637

3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐

4. LOCATION OF WELL: SE. ¼ SE. ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically
(Bearing and Distance)
or ~~#~~ 500 ft. ~~North~~ and 1000 ft. ~~East~~ West from the SE. corner of Section 11, T. 34 N., R. 74 W.
(Strike out words not needed).

5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐

Other

6. CONSTRUCTION: Total Depth of Well 160 ft. Depth to Static Water Level 80 ft.

a. Casing Schedule New ☒ Used ☐

5"	diameter from 0 ft. to 160 ft.	Material	PVC	Gage	40
	diameter from ft. to ft.	Material		Gage	
	diameter from ft. to ft.	Material		Gage	

b. Perforations: Type of perforator used Slotted Pipe

Size of perforations 1/8' inches by 3' inches.

Number of perforations and depths where perforated:

perforations from 120 ft. to 160 feet.

perforations from ft. to feet.

RECEIVED APR 3 1984 STATE ENGINEER Cheyenne, Wyo.

c. Was well screen installed? Yes ☐ No ☒

Diameter: slot size: set from feet to feet.

Diameter: slot size: set from feet to feet.

d. Was well gravel packed? Yes ☒ No ☐ Size of gravel Pea Gravel

e. Was surface casing used? Yes ☐ No ☒ Was it cemented in place? Yes ☐ No ☒

7. NAME & ADDRESS OF DRILLER Pronghorn Drilling Box 805 Glenrock Wyo.

8. DATE OF COMPLETION OF WELL (including pump installation) 9-28-83

9. PUMP INFORMATION: Manufacturer Meyer Type Submersible

Source of power electric Horsepower 1 hp. Depth of Pump Setting 130'

Amount of Water Being Pumped 10 Gallons Per Minute. (For springs or flowing wells, see item 11.)

Permit No. U.W. 64309 Book No. 423 Page No. 40

C.W-64309

10. PUMP TEST: Was a pump test made? Yes ☐ No ☒

If so, by whom _____ Address _____

Yield: _____gal./min. with _____ foot drawdown after _____ hours.

Yield: _____gal./min. with _____ foot drawdown after _____ hours.

11. FLOWING WELL (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is _____ gal./min. Surface pressure is _____ lb./sq. inch, or _____ feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. LOG OF WELL: Total depth drilled 170 feet.

Depth of completed well 160 feet. Diameter of well _____ inches.

Depth to first water bearing formation _____ feet.

Depth to principal water bearing formation. Top 120 feet to Bottom 160 feet.

Ground Elevation, if known _____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	20	White to gray Fine to course sand			
20	22	Yellow oxidized Siltstone			
22	25	Carboneous Clays			
25	35	Gray claystone			
35	45	Light Gray Siltstone			
45	50	Dark Gray Clay stone, Layer of Coal			
50	60	Gray Siltstone			
60	65	Red claystone, fine Yellow sand			
65	70	Rust Color Sand			
70	75	Light gray silted Sand			
75	120	White Fine to course sand			
120	160	Fine to course Blk, Wht, Green sands		water	Perforated 40'
160	170	Dark Gray Shales			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☒

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☒ Acceptable ☐ Poor ☐ Unusable ☐

U.W. 64309

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for additional supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply _____ acres

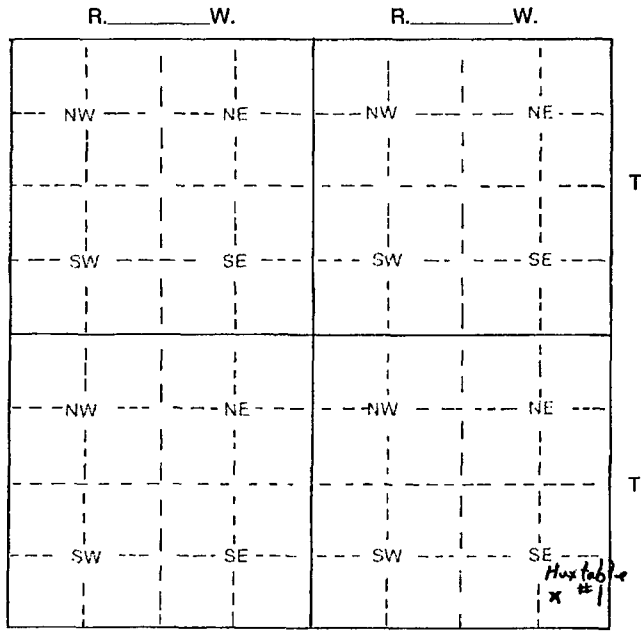
Additional Supply _____ acres

14. PLAT

a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.



Scale: 2" = 1 Mile

REMARKS: Domestic Use

U.W. 64309

15. IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment and details of the plugging below.

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Gary W. Hustabb — Signature of Owner or Authorized Agent

4-1 ,19 84 — Date

Date of Receipt APR 3 1984 at , 19

Date of Priority June 9 , 19 83

Date of Approval Apr. 17 , 19 84

Jack D Montgomery
for State Engineer

M[illegible] F[illegible] JUL 22 '75

Form U.W. 5

FILING FEE $2.00

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

CANCELLED

STATE OF WYOMING

8/30

OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

FOR OFFICE USE ONLY

Temporary Filing No. U.W. 9-5-384

PERMIT NO. U.W. 30262

WATER DIVISION NO. 1 DISTRICT 15-5

U.W. DISTRICT CONVERSE CO.

NAME AND NUMBER OF WELL: Bobbie No. 1

1. Name of applicant(s) Richard C. Deveraux Phone: 436-2345

2. Address of applicant(s) Box 1417, Glenrock, Wyoming Zip: 82637

3. Name & address of agent to receive correspondence and notices Above

4. Use to which the water will be applied: Irrigation [ ] Municipal [ ] Industrial [ ] Domestic [X] Stock Watering [ ] Miscellaneous [ ] (Describe completely and accurately) _____

5. Location of the well: Converse County, NE ¼ SE ¼ of Sec. 11, T. 34 N., R. 74 W., or Lot _____, Block _____ of the _____ Subdivision (or Add'n) of _____, _____ ¼ _____ ¼ of Sec. _____, T. _____ N., R. _____ W., of the 6th P.M. (or W.R.M.), Wyoming. NOTE: Quarter-quarter (40-acre subdivision) must be shown. Example: SE¼NW¼ of Sec. 12, Township 14 North, Range 68 West.

6. Estimated depth of the well is 200 feet.

7. MAXIMUM quantity of water to be developed and beneficially used: 25 gallons per minute.
NOTE: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute.
SPRINGS: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic or stockwatering, will be considered as ground water appropriations. After approval of this application, some type of artifical diversion must be constructed to qualify for a water right.

8. If for irrigation use,
[ ] Land will be irrigated from this well only.
[ ] Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

9. If for irrigation use, describe MAXIMUM acreage to be irrigated. The number of acres to be irrigated in each 40-acre subdivision MUST be shown in the tabulation below.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

10. If the water is to be utilized for some purpose other than irrigation, the area(s) or point(s) of use MUST be shown in the above tabulation.

11. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc. _____

30262

Permit No. U.W. _____

SEE REVERSE SIDE

Book No. 156 Page No. 87

12. The well is to be constructed on lands owned by Richard C. Deveraux
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is no a co-applicant.)

13. The water is to be used on lands owned by Richard C. Deveraux
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

REMARKS: _____

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Richard C. Deveraux — Signature of Applicant or Authorized Agent

June 23, 1975 — Date

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.
STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 25 day of June, A. D. 19 75, at 8:30 o'clock A. M.

Permit No. U.W. 30262

Sherman K. Keller
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.

Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 19 76

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 22nd day of July, A. D. 19 75

State Engineer

Mar 31, 1976 - Notice of expiration of time for commencement mailed. MAR 24 '76

Sept. 30, 1976 - Notice of expiration of time for completion and beneficial use mailed. SEP 22 '76

CANCELLED

PERMIT NO. U.W. 30262

PERMIT STATUS

Priority Date June 25, 1975 Approval Date July 2, 1975

December 30, 1976 - 30 Day Cancellation Notice for Completion and Beneficial Use mailed.

JAN 5 1977

February 16, 1977. This permit cancelled in compliance with the provisions of Section 41-206, Wyoming Statutes, 1957.

2-18-77
DATE

RICHARD G. STOCKDALE, Ground Water Geologist

MICRO. FILMED MAR 277

MICRO FILM 22

Form U.W. 5

FILING FEE $2.00

CANCELLED

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

FOR OFFICE USE ONLY

Temporary Filing No. U.W. 9-6-384

PERMIT NO. U.W. 30263

WATER DIVISION NO. 1 DISTRICT 15-S

U.W. DISTRICT CONVERSE CO.

NAME AND NUMBER OF WELL

Jean No. 1

1. Name of applicant(s) Richard C. Deveraux Phone: 436-2345

2. Address of applicant(s) Box 1417, Glenrock, Wyoming Zip 82637

3. Name & address of agent to receive correspondence and notices Above

4. Use to which the water will be applied: Irrigation [ ] Municipal [ ] Industrial [ ] Domestic [X] Stock Watering [ ] Miscellaneous [ ] (Describe completely and accurately) _____

5. Location of the well: Converse County, NE ¼ SE ¼ of Sec. 11, T. 34 N., R. 74 W., or Lot _____, Block _____ of the _____ Subdivision (or Add'n) of _____, _____ ¼ _____ ¼ of Sec. _____, T. _____ N., R. _____ W., of the 6th P.M. (or W.R.M.), Wyoming. NOTE: Quarter-quarter (40-acre subdivision) must be shown. Example: SE¼NW¼ of Sec. 12, Township 14 North, Range 68 West.

6. Estimated depth of the well is 200 feet.

7. MAXIMUM quantity of water to be developed and beneficially used: 25 gallons per minute.
NOTE: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute.
SPRINGS: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic or stockwatering, will be considered as ground water appropriations. After approval of this application, some type of artifical diversion must be constructed to qualify for a water right.

8. If for irrigation use,
[ ] Land will be irrigated from this well only.
[ ] Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

9. If for irrigation use, describe MAXIMUM acreage to be irrigated. The number of acres to be irrigated in each 40-acre subdivision MUST be shown in the tabulation below.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

10. If the water is to be utilized for some purpose other than irrigation, the area(s) or point(s) of use MUST be shown in the above tabulation.

11. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc. _____

SEE REVERSE SIDE

Permit No. U.W. 30263 Book No. 156 Page No. 88

12. The well is to be constructed on lands owned by Richard C. Deveraux
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is no a co-applicant.)

13. The water is to be used on lands owned by Richard C. Deveraux
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

REMARKS: _____

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Richard C. Deveraux — Signature of Applicant or Authorized Agent

June 23, 1975 — Date

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.
STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 25 day of June, A. D. 1975, at 8:30 o'clock A. M.

Permit No. U.W. 30263

Sheran K. Keller
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.

Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 1976

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 22nd day of July, A. D. 1975.

State Engineer

Mar 31, 1976 - Notice of expiration of time for commencement mailed MAR 24 '76

Sept. 30, 1976 - Notice of expiration of time for completion and beneficial use mailed. SEP 22 '76

CANCELLED

PERMIT NO. U.W. 30263

PERMIT STATUS

Priority Date June 25, 1975 Approval Date July 2, 1975

December 30, 1976 - 30 Day Cancellation Notice for Completion and Beneficial Use mailed.

JAN 5 1977

February 16, 1977. This permit cancelled in compliance with the provisions of Section 41-206, Wyoming Statutes, 1957.

2-18-77
DATE

RICHARD G. STOCKDALE, Ground Water Geologist

MICRO-FILMED MAR 2'77

Form U.W. 6

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

PERMIT NO. U.W. 46720 NAME OF WELL ELRU #1

1. NAME OF OWNER ELMER DOEGE
2. ADDRESS Box 477 GLENROCK WYO Zip Code 82637
3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐
4. LOCATION OF WELL: NE ¼ SE ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically SE¼ (Bearing and Distance) or ~~150~~ 1500 ft. ~~North~~ South and 809 ft. ~~East~~ West from the ____ corner of Section 11, T. 34 N., R. 74 W. (Strike out words not needed).
5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐ Other ____
6. CONSTRUCTION: Total Depth 180 ft. Depth to Water Level 100 ft.

a. Casing Schedule New ☒ Used ☐

5"	diameter from 0 ft.	to 180 ft.	Material Plastic	Gage 272
	diameter from ____ ft.	to ____ ft.	Material ____	Gage ____
	diameter from ____ ft.	to ____ ft.	Material ____	Gage ____

b. Perforations: Type of perforator used Saw

Size of perforations ⅛ inches by 2½ inches.

Number of perforations and depths where perforated:

80 perforations from 135 ft. to 125 feet.

____ perforations from ____ ft. to ____ feet.

c. Was well screen installed? Yes ☐ No ☒

Diameter: ____ slot size: ____ set from ____ feet to ____ feet.

Diameter: ____ slot size: ____ set from ____ feet to ____ feet.

d. Was well gravel packed? Yes ☒ No ☐ Size of gravel ⅛

e. Was surface casing used Yes ☐ No ☐ Was it cemented in place? Yes ☐ No ☐

7. NAME & ADDRESS OF DRILLER Chester Schossow Box 2445 Casper Wyo
8. DATE OF COMPLETION OF WELL (including pump installation) 4-27-79
9. PUMP INFORMATION: Manufacturer ____ Type Submergable

Source of power ER Horsepower ____ Depth of Pump Setting 165

Amount of Water Being Pumped 23 Gallons Per Minute.

Permit No. U.W. 46720 Book No. 256 Page No. 102

U.W. 46720

10. **PUMP TEST:** Was a pump test made? Yes ☐ No ☐

If so, by whom _____ Address _____

Yield: _____ gal./min. with _____ foot drawdown after _____ hours.

Yield: _____ gal./min. with _____ foot drawdown after _____ hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is _____ gal./min. Surface pressure is _____ lb./sq. inch, or _____ feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled 180 feet.

Depth of completed well 180 feet. Diameter of well 8" inches.

Depth to first water bearing formation 70 feet.

Depth to principal water bearing formation Top 135 feet to Bottom 175 feet.

Ground Elevation, if known _____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	5	Surface			
5	10	Sand			
10	60	Brown clay			
60	70	Sand & gravel		1½ gals/min.	
70	75	Brown clay	Seal @ 75 to 80		
75	125	Gray Shale			
125	140	Broken clay & Shale			
140	175	Sand white & Black		2½ gals/min.	135-175
175	180	Shale			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☐

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

C.W. 46720

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply_____acres

Supplemental Supply_____acres

14. PLAT

a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

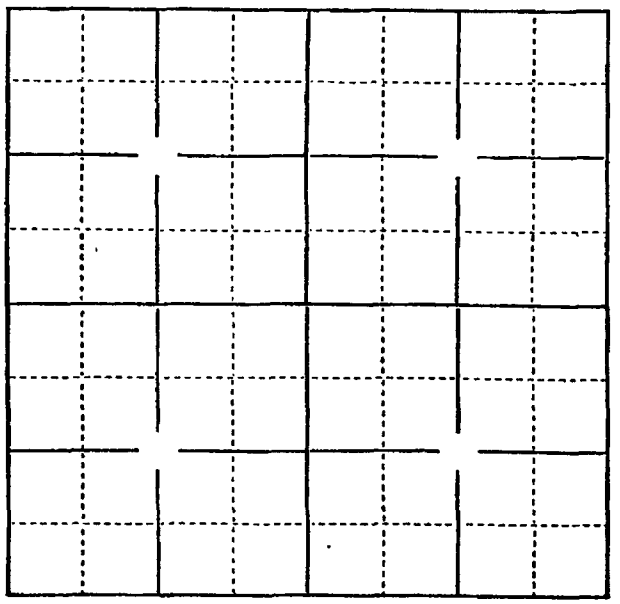
c. A separate map may be submitted if the information required cannot be shown on this plat.

R._____W. R._____W.

Scale: 2" = 1 Mile

T._____N.

T._____N.



REMARKS: _____

U. W. 46720

15. **IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.**

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Elmer J. Voyce — **Signature of Owner or Authorized Agent**

4-26 — **Date** 19 79

Date of Receipt MAY 2 1979 , 19____

Date of Priority February 28, 1979 , 19____

Date of Approval June 12, 19 79

for State Engineer

Form U.W. 6

RECEIVED
JUN 23 1976
STATE ENGINEER
Cheyenne, Wyo.

MICRO-FILMED AUG 1876

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

PERMIT NO. U.W. 32804 NAME OF WELL Hickerson # 1

1. NAME OF OWNER Mark A. and Ardith A. Hickerson
2. ADDRESS Box 193 Glenrock, Wyoming Zip Code 82637
3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐
4. LOCATION OF WELL: SE ¼ NW ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically
(Bearing and Distance)
or 150 ft. South and 150 ft. East from the Northwest corner of Section 11, T. 34 N., R. 74 W.
(Strike out words not needed).
5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐
Other
6. CONSTRUCTION: Total Depth 195 ft. Depth to Water Level 80 ft.
   a. Casing Schedule New ☒ Used ☐
   4½ diameter from 0 ft. to 195 ft. Material Plastic Gage
   diameter from ft. to ft. Material Gage
   diameter from ft. to ft. Material Gage
   b. Perforations: Type of perforator used Plastic Perforated Pipe
   Size of perforations ¾ inches by ¾ inches.
   Number of perforations and depths where perforated:
   perforations from 160 ft. to 195 feet.
   perforations from ft. to feet.
   c. Was well screen installed? Yes ☐ No ☒
   Diameter: slot size: set from feet to feet.
   Diameter: slot size: set from feet to feet.
   d. Was well gravel packed? Yes ☒ No ☐ Size of gravel ⅝
   e. Was surface casing used Yes ☐ No ☒ Was it cemented in place? Yes ☐ No ☐
7. NAME & ADDRESS OF DRILLER Smitty's Drilling, Casper, Wyoming
8. DATE OF COMPLETION OF WELL (including pump installation) June 18, 1976
9. PUMP INFORMATION: Manufacturer Berkely Type Submersible
   Source of power Electric Horsepower ½ Depth of Pump Setting 140 ft.
   Amount of Water Being Pumped 6 Gallons Per Minute.

Permit No. U.W. 32804 Book No. 169 Page No. 24

U.W. 32804

10. **PUMP TEST:** Was a pump test made? Yes ☐ No ☒

If so, by whom_____ Address_____

Yield: _____gal./min. with_____foot drawdown after_____hours.

Yield: _____gal./min. with_____foot drawdown after_____hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is_____gal./min. Surface pressure is_____lb./sq. inch, or_____feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled 195 feet.

Depth of completed well 190 feet. Diameter of well 7 inches.

Depth to first water bearing formation 75 feet.

Depth to principal water bearing formation Top 150 feet to Bottom 185 feet.

Ground Elevation, if known Unknown

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
		Not Available			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☒

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☒ Acceptable ☐ Poor ☐ Unusable ☐

U.W. 32804

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

(b) If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
34	74	11													~~SE~~	SE			10 Acres

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply_____acres

Supplemental Supply_____acres

14. PLAT

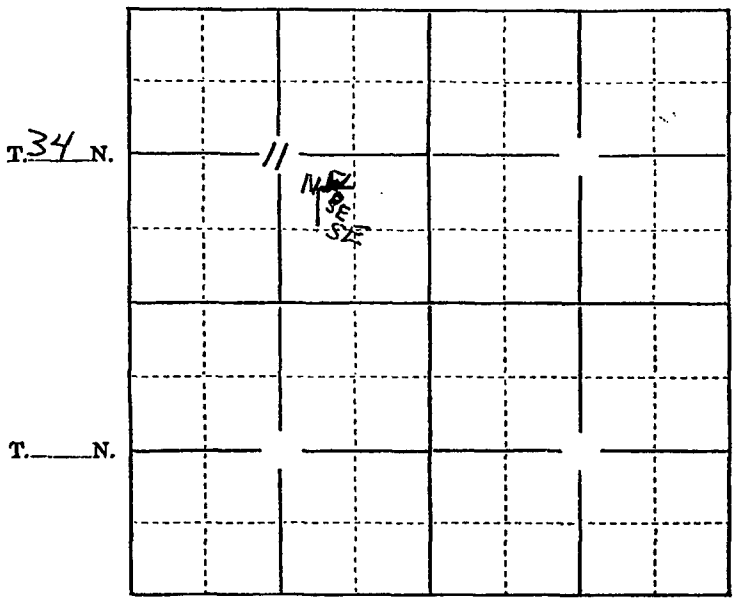
a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

(b) For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.

R. 74 W. R.____ W.

Scale: 2" = 1 Mile



REMARKS: _____

U.W. 32804

15. **IF WELL IS TO BE ABANDONED,** complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Mark A. Kiberson — Signature of Owner or Authorized Agent

June 22, 1976 — Date

SR

Date of Receipt JUN 23 1976, 19____.

Date of Priority April 20, 19 76

Date of Approval Aug. 9, 19 76

for State Engineer

OCT 15 1975

Form U.W. 6

JAN 14 '76

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

PERMIT NO. U.W. 30265 NAME OF WELL Highway Corner #2

1. NAME OF OWNER Merle H. Dunham
2. ADDRESS Box 533, Glenrock, WY Zip Code 82637
3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐
4. LOCATION OF WELL: SE ¼ SE ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically _____ (Bearing and Distance)
   or _____ ft. North South and _____ ft. East West from the _____ corner of Section _____, T. _____ N., R. _____ W.
   (Strike out words not needed).
5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐
   Other _____
6. CONSTRUCTION: Total Depth 160 ft. Depth to Water Level 45 ft.
   a. Casing Schedule New ☒ Used ☐

6 diameter from 1 ft. to 160 ft.	Material plastic	Gage 1/4"
_____ diameter from _____ ft. to _____ ft.	Material _____	Gage _____
_____ diameter from _____ ft. to _____ ft.	Material _____	Gage _____

   b. Perforations: Type of perforator used Slits
   Size of perforations 1/32 inches by 6 inches.
   Number of perforations and depths where perforated:
   _____ perforations from 120 ft. to 160 feet.
   _____ perforations from _____ ft. to _____ feet.
   c. Was well screen installed? Yes ☐ No ☒
   Diameter: _____ slot size: _____ set from _____ feet to _____ feet.
   Diameter: _____ slot size: _____ set from _____ feet to _____ feet.
   d. Was well gravel packed? Yes ☒ No ☐ Size of gravel 3/8"
   e. Was surface casing used Yes ☐ No ☒ Was it cemented in place? Yes ☐ No ☐
7. NAME & ADDRESS OF DRILLER Martin Drlg., Casper, Wyo.
8. DATE OF COMPLETION OF WELL (including pump installation) 10-10-75
9. PUMP INFORMATION: Manufacturer Berkley Type Submersible
   Source of power 220 V. Electricity Horsepower 1/2 Depth of Pump Setting 105
   Amount of Water Being Pumped 10 Gallons Per Minute.

Permit No. U.W. 30265 Book No. 156 Page No. 90

U.W. 30265

10. **PUMP TEST:** Was a pump test made? Yes ☒ No ☐

If so, by whom Merle H. Dunham Address Box 533 Glenrock, Wyo.

Yield: 10 gal./min. with 13 foot drawdown after 4 hours.

Yield: _____ gal./min. with _____ foot drawdown after _____ hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is _____ gal./min. Surface pressure is _____ lb./sq. inch, or _____ feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled _____ feet.

Depth of completed well _____ feet. Diameter of well _____ inches.

Depth to first water bearing formation _____ feet.

Depth to principal water bearing formation Top _____ feet to Bottom _____ feet.

Ground Elevation, if known _____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☐

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

U.W. 30265

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply_____acres

Supplemental Supply_____acres

14. PLAT

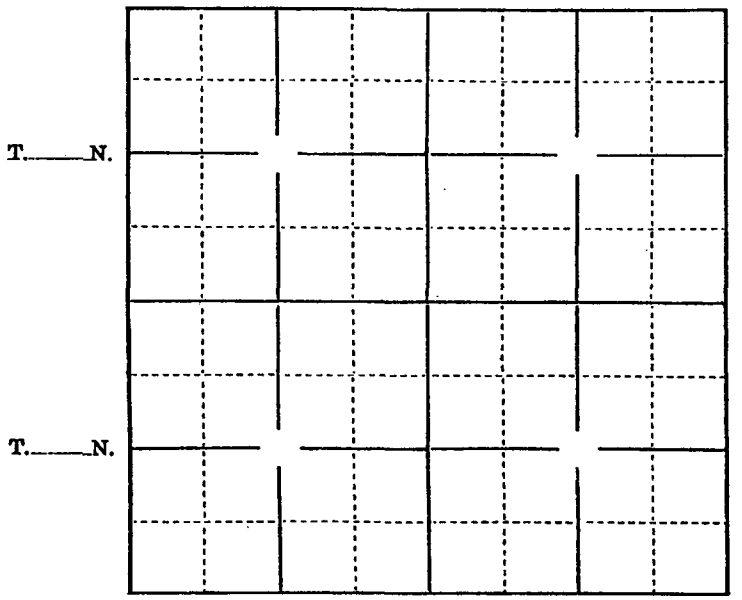
a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.

R._____W. R._____W.

Scale: 2" = 1 Mile



REMARKS: _____

U.W. 30265

15. **IF WELL IS TO BE ABANDONED,** complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Merle H. Dunham — October 14, 1975
Signature of Owner or Authorized Agent — Date

Subscribed & sworn before me this 14th day of October 1975 by Merle H. Dunham.

Nancy L. Hoyt, notary

Date of Receipt OCT 15 1975, 19

Date of Priority June 25, 1975

Date of Approval Jan. 8, 1976

for State Engineer

Form U.W. 6

OCT 15 1975

APR 14 '76

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

PERMIT NO. U.W. 30264 NAME OF WELL Highway Corner No. 1

1. NAME OF OWNER Merle H. Dunham
2. ADDRESS Box 533, Glenrock, WY Zip Code 82637
3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐
4. LOCATION OF WELL: SE ¼ SE ¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically _____ (Bearing and Distance) or _____ ft. North South and _____ ft. East West from the _____ corner of Section _____, T. _____ N., R. _____ W. (Strike out words not needed).
5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐ Other _____
6. CONSTRUCTION: Total Depth 180 ft. Depth to Water Level 55 ft.
   a. Casing Schedule New ☒ Used ☐
   6" diameter from 1 ft. to 180 ft. Material Plastic Gage ¼"
   _____ diameter from _____ ft. to _____ ft. Material _____ Gage _____
   _____ diameter from _____ ft. to _____ ft. Material _____ Gage _____
   b. Perforations: Type of perforator used Slits
   Size of perforations 1/32 inches by 6 inches.
   Number of perforations and depths where perforated:
   _____ perforations from 140 ft. to 180 feet.
   _____ perforations from _____ ft. to _____ feet.
   c. Was well screen installed? Yes ☐ No ☒
   Diameter: _____ slot size: _____ set from _____ feet to _____ feet.
   Diameter: _____ slot size: _____ set from _____ feet to _____ feet.
   d. Was well gravel packed? Yes ☒ No ☐ Size of gravel 3/8"
   e. Was surface casing used Yes ☐ No ☒ Was it cemented in place? Yes ☐ No ☐
7. NAME & ADDRESS OF DRILLER Martin Drlg., Casper, Wyo.
8. DATE OF COMPLETION OF WELL (including pump installation) 10-10-75
9. PUMP INFORMATION: Manufacturer Berkley Type Submersible
   Source of power 220v. Electricity Horsepower ½ Depth of Pump Setting 105'
   Amount of Water Being Pumped 10 Gallons Per Minute.

Permit No. U.W. 30264 Book No. 156 Page No. 89

U.W. 30264

10. **PUMP TEST:** Was a pump test made? Yes ☒ No ☐

If so, by whom Merle A. Dunham Address Box 533, Glenrock, Wyo.

Yield: 10 gal./min. with 15 foot drawdown after 4 hours.

Yield: _____ gal./min. with _____ foot drawdown after _____ hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is _____ gal./min. Surface pressure is _____ lb./sq. inch, or _____ feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled _____ feet.

Depth of completed well _____ feet. Diameter of well _____ inches.

Depth to first water bearing formation _____ feet.

Depth to principal water bearing formation Top _____ feet to Bottom _____ feet.

Ground Elevation, if known _____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☐

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

U.W. 30264

13. TABULATION

a. If for irrigation, the land proposed to be irrigated should be described in the following tabulation. Describe in the "Remarks" section, under Item 14, the means of conveying the water to the lands and the method of irrigation.

(Give irrigable acreage in each legal subdivision. If proposed use is for supplemental supply for lands with a right from another source, indicate in the tabulation the priority or permit number, the source of supply and the name of the ditch or other well.)

b. If not used for irrigation, show the area and point(s) of use and location of well in the tabulation below. Also describe the method of conveyance in the "Remarks" section under Item 14.

Township	Range	Sec.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

TOTAL NUMBER OF ACRES TO BE IRRIGATED_____

Original Supply_____acres

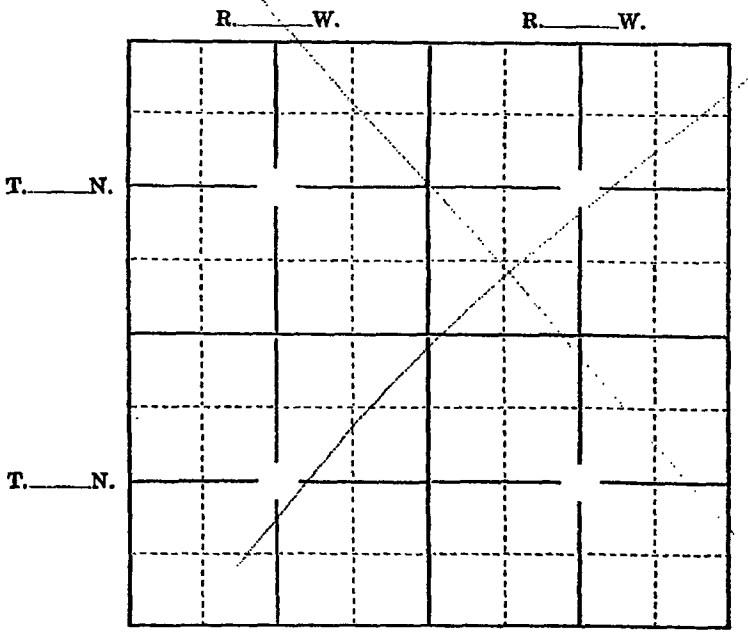
Supplemental Supply_____acres

14. PLAT

a. If the well is to be used for irrigation, industrial, miscellaneous or municipal use, show the location of the well on the plat below. For such uses, a plat certified by a licensed engineer or land surveyor is required to be submitted at the time the Proof of Appropriation and Beneficial Use of Ground Water is submitted.

b. For other uses, accurately show the well location, point of use or uses and describe method of conveyance of water to points of use on plat and in "Remarks" section below. Make certain location on plat agrees with written description.

c. A separate map may be submitted if the information required cannot be shown on this plat.



Scale: 2" = 1 Mile

REMARKS: _____

U.W. 30264

15. **IF WELL IS TO BE ABANDONED, complete Items 1 through 8, Item 12 (Log of Well) and state reason for abandonment below.**

It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Merle D. Dunham — **Signature of Owner or Authorized Agent**

October 14, 1975 — **Date**

Subscribed & sworn before me this 14th day of October 1975 by Merle D. Dunham. Nancy L. Hoyt, notary

Date of Receipt OCT 15 1975, 19____

Date of Priority June 25, 19 75

Date of Approval March 31, 19 76

for State Engineer

JAN 22 '75

Form U.W. 7

IF WELL IS TO BE ABANDONED, SEE ITEM 20

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

for Domestic or Stock Watering Use Only

A preferred water right is given to such use when the yield or flow does not exceed .056 cubic feet per second or 25 gallons per minute. Domestic use refers to household use and the watering of lawns and gardens for family use, not to exceed one acre.

Permit No. U.W. 26630

Temporary Filing No. 9-9-68

Water Division No. 1 (15-5)

U.W. District Converse County

**Completed Prior to May 24, 1969 ☐

NAME OF WELL Negley No. 4

1. Owner Jacob S. Negley
2. Address Glenrock, WY 82637
3. Agent to receive correspondence Dennis M. Hand, Attorney, P. O. Box 377, Glenrock, WY 82637
4. Name & address of driller Crimm Drilling, Inc., 311 South 4th Avenue, Casper, Wyoming 82601
5. Well is constructed on lands owned by Jacob S. Negley
   (Obtaining of easement or right of way is the responsibility of the applicant's. Include copy if land is privately owned and owner is not a co-applicant.)
6. Type of construction: Dug ☐ Drilled ☐ ROTARY (Type of Rig)
   Driven ☐ Jet ☐ Other
7. Use of Water—Domestic ☒ Stock ☐
8. Means of conveyance, distance and direction to point of use
   PIPE 400'
9. Date started June 2, 19 74.
10. Date completed June 2, 19 74. (including pump)
11. Date after completion when water was used June 5, 19 74.
12. WELL DESCRIPTION
    Total Depth 135 Depth to Water Level 100 ft.
13. TEST DATA
    Yield 25 Gal. per Min. How Tested With Pump
    Drawdown Length of Test
14. PUMP DATA
    Type Ruda Pump (Turbine, Centrifugal, etc.) Power Source Electricity (Elec., Gas, etc.)
    Horsepower Amount of Water Being Used 25 (Gallons per Minute)
15. CASING RECORD

Plain Casing

Size 4"	Kind PLASTIC	from 0 ft.	to 95 ft.
Size	Kind	from ft.	to ft.
Size	Kind	from ft.	to ft.

Perforated Casing

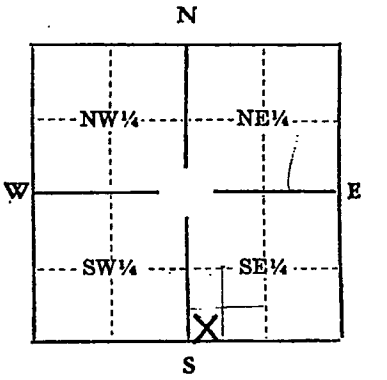
Size 6"	Kind PLASTIC	from 95 ft.	to 135 ft.
Size	Kind	from ft.	to ft.

WELL LOCATION

Converse County

S½SW¼ of SE¼ of Sec. 11

T. 34 N., R. 75 W.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac. or fill in the following:

Lot ____ & Block ____ or Tract ____

of the ____ (Subdivision or Addition)

of ____ (City, Town or County)

Section ____, T. ____ N., R. ____ W.

**For wells constructed after May 24, 1969, Application Form U.W. 5 must be submitted prior to construction.

Permit No. U.W. 26630

Book No. 138 Page No. 69

U.W. Q6630

16. Was surface seal provided? Yes ☐ No ☐ To What Depth 0 - 135 Material used: GRAVEL 5/8"
Was well gravel packed? Yes ☑ No ☐

17. FLOWING WELL (Owner is responsible for installing control device on flowing well.)
Does well flow? Yes ☐ No ☒
Flow controlled by: Valve ☐ Cap ☐ Plug ☐ Does well leak around casing? Yes ☐ No ☐

18. LOG OF WELL—Clearly indicate first water bearing material and principal water bearing material.

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
95	135	SAND/LIME GRAY	GRAVEL	~~95'~~ 135'	95'-135'
				100	
		100			
		135			
		100			

19. QUALITY OF WATER INFORMATION
Was a chemical analysis made? Yes ☐ No ☑
If so, please include a copy of the analysis with this form.
If not, do you consider the water as: Good ☑ Acceptable ☐ Poor ☐ Unusable ☐
Was a bacteriological analysis made? Yes ☐ No ☑
If a domestic well, was the well disinfected by the driller? Yes ☐ No ☑

20. IF WELL IS TO BE ABANDONED, complete only Items 1 through 6, Item 10 and Item 18 (Log of Well) and state reason for abandonment below.
It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

J. D. Meyler
Signature of Owner or Authorized Agent

_____, 19____
Date

Date of Receipt: DEC 6 1974, 19____ Date of Priority: May 16, 1974

Oneida Thompson

Date of Approval: Jan. 5, 1975

for State Engineer

Form U.W. 7

OCT 7 '74

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 20

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

for Domestic or Stock Watering Use Only

A preferred water right is given to such use when the yield or flow does not exceed .056 cubic feet per second or 25 gallons per minute. Domestic use refers to household use and the watering of lawns and gardens for family use, not to exceed one acre.

Permit No. U.W. 26415

Temporary Filing No. U.W. 9-11-48 KT No. 2

Water Division No. 1 (15-5)

U.W. District Converse Co.

**Completed Prior to May 24, 1969 ☐

NAME OF WELL KT No. 1

1. Owner Robert D. Haun
2. Address Box 125 Glenrock, Wy. 82637
3. Agent to receive correspondence Same
4. Name & address of driller Crimm Drilling Inc. 311 So. 4th Ave. Casper, Wyo.
5. Well is constructed on lands owned by Robert D. HAUN (Obtaining of easement or right of way is the responsibility of the applicant's. Include copy if land is privately owned and owner is not a co-applicant.)
6. Type of construction: Dug ☐ Drilled ☒ AIR (Type of Rig)
   Driven ☐ Jet ☐ Other Submersible
7. Use of Water—Domestic ☒ Stock ☐
8. Means of conveyance, distance and direction to point of use Submercible pumped 150' North by 1" underground pipe
9. Date started MAY 25, 1974.
10. Date completed " ", 19___. (including pump)
11. Date after completion when water was used ____, 19___.
12. WELL DESCRIPTION
    Total Depth 180' Depth to Water Level 80 ft.
13. TEST DATA
    Yield 20 gpm How Tested AIR
    Drawdown 48' Length of Test 90 min.
14. PUMP DATA
    Type ____ (Turbine, Centrifugal, etc.) Power Source Elec. (Elec., Gas, etc.)
    Horsepower 3/4 Amount of Water Being Used 12 (Gallons per Minute)
15. CASING RECORD

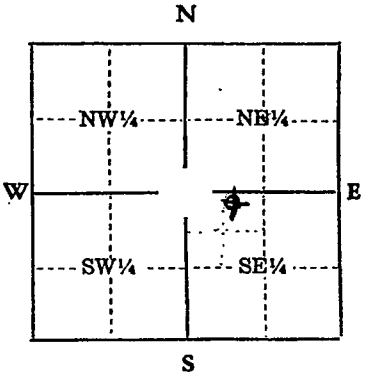
Plain Casing					
Size 6"	Kind Plastic	from 120	ft. to Surface		
Size 6"	Kind Plastic	from 160	ft. to 180	ft.	
Size ____	Kind ____	from ____	ft. to ____	ft.	
Perforated Casing					
Size 6"	Kind Plastic	from 120	ft. to 160	ft.	
Size ____	Kind ____	from ____	ft. to ____	ft.	

WELL LOCATION

Converse County

NE ¼ of SE ¼ of Sec. 11

T. 34 N., R. 74 W.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac. or fill in the following:

Lot ____ & Block ____ or Tract ____

of the ____ (Subdivision or Addition)

of ____ (City, Town or County)

Section ____, T. ____ N., R. ____ W.

**For wells constructed after May 24, 1969, Application Form U.W. 5 must be submitted prior to construction.

Permit No. U.W. 26415

Book No. 137 Page No. 55

U.W. 26415

16. Was surface seal provided? Yes ☒ No ☐ To What Depth 20' Material used: Cement
Was well gravel packed? Yes ☒ No ☐

17. FLOWING WELL (Owner is responsible for installing control device on flowing well.)
Does well flow? Yes ☐ No ☒
Flow controlled by: Valve ☐ Cap ☐ Plug ☐ Does well leak around casing? Yes ☐ No ☐

18. LOG OF WELL—Clearly indicate first water bearing material and principal water bearing material.

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	5'	Top Soil			
5	20	White Sand			
20	40	Brown Clay			
40	70	Sand			
70	75	Coal			
75	120	Gray Shale			
120	180	Sand		X	120' - 160'
		120			
		180			

19. QUALITY OF WATER INFORMATION
Was a chemical analysis made? Yes ☒ No ☐
If so, please include a copy of the analysis with this form.
If not, do you consider the water as: Good ☒ Acceptable ☐ Poor ☐ Unusable ☐
Was a bacteriological analysis made? Yes ☒ No ☐
If a domestic well, was the well disinfected by the driller? Yes ☐ No ☒

20. IF WELL IS TO BE ABANDONED, complete only Items 1 through 6, Item 10 and Item 18 (Log of Well) and state reason for abandonment below.
It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Robert D. Haun
Signature of Owner or Authorized Agent

September 18, 1974
Date

Date of Receipt: SEP 20 1974, 19____ Date of Priority: April 23, 1974

Amelia Thompson

Date of Approval: Sept 30, 1974

for State Engineer

MICRO-FILMED SEP 16 '74

Form U.W. 7

IF WELL IS TO BE ABANDONED, SEE ITEM 20

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

for Domestic or Stock Watering Use Only

A preferred water right is given to such use when the yield or flow does not exceed .056 cubic feet per second or 25 gallons per minute. Domestic use refers to household use and the watering of lawns and gardens for family use, not to exceed one acre.

Permit No. U.W. 26463 Temporary Filing No.

Water Division No. 1 (15-5)

U.W. District Converse Co.

**Completed Prior to May 24, 1969 ☐

NAME OF WELL Lucky Five #1

1. Owner Earl G. Doege
2. Address 303 E. Platte, Box 477, Glenrock, WY 82637
3. Agent to receive correspondence same
4. Name & address of driller Glenn Drilling 311 So. 4th Ave.; Casper, Wyoming 82601
5. Well is constructed on lands owned by Earl G. & Kathleen Doege (Obtaining of easement or right of way is the responsibility of the applicant's. Include copy if land is privately owned and owner is not a co-applicant.)
6. Type of construction: Dug ☐ Drilled ☑ Rotary (Type of Rig)
   Driven ☑ Jet ☐ Other
7. Use of Water—Domestic ☑ Stock ☐
8. Means of conveyance, distance and direction to point of use Pump; 100 ft North East
9. Date started 6/11/74, 19 74
10. Date completed 6/20, 19 74 (including pump)
11. Date after completion when water was used 7/13, 19 74
12. WELL DESCRIPTION
    Total Depth 180 Depth to Water Level 80 ft.
13. TEST DATA
    Yield ____ How Tested ____
    Drawdown ____ Length of Test ____
14. PUMP DATA
    Type Turbine (Turbine, Centrifugal, etc.) Power Source Electrical (Elec., Gas, etc.)
    Horsepower 1½ Amount of Water Being Used 5 (Gallons per Minute)
15. CASING RECORD

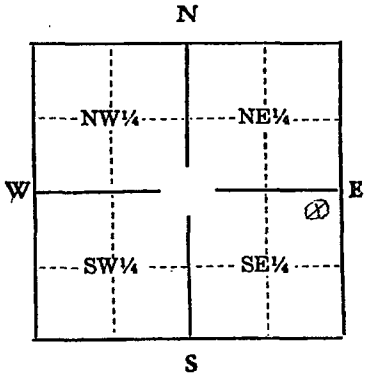
Plain Casing					
Size 6"	Kind Plastic	from 0 ft.	to 140 ft.		
Size ____	Kind ____	from ____ ft.	to ____ ft.		
Size ____	Kind ____	from ____ ft.	to ____ ft.		
Perforated Casing					
Size 6"	Kind Plastic	from 140 ft.	to 180 ft.		
Size ____	Kind ____	from ____ ft.	to ____ ft.		

WELL LOCATION

Converse County

NE ¼ of SE ¼ of Sec. 11

T. 34 N., R. 74 W.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac. or fill in the following:

Lot ____ & Block ____ or Tract ____

of the ____ (Subdivision or Addition)

of ____ (City, Town or County)

Section ____, T. ____ N., R. ____ W.

**For wells constructed after May 24, 1969, Application Form U.W. 5 must be submitted prior to construction.

Permit No. U.W. 26463 Book No. 137 Page No. 103

U.W. 26463

16. Was surface seal provided? Yes ☐ No ☑ To What Depth _____ Material used: _____
Was well gravel packed? Yes ☑ No ☐

17. FLOWING WELL (Owner is responsible for installing control device on flowing well.)
Does well flow? Yes ☐ No ☑
Flow controlled by: Valve ☐ Cap ☐ Plug ☐ Does well leak around casing? Yes ☐ No ☐

18. LOG OF WELL—Clearly indicate first water bearing material and principal water bearing material.

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	5	Top Soil			
5	20	Sand Stone &			
		White Sand			
20	40	brown clay			
40	70	Sand			
70	75	coal			
75	180	gray shale			
120	180	Sand with water			
		120			
		180			
		40			

19. QUALITY OF WATER INFORMATION
Was a chemical analysis made? Yes ☑ No ☐
If so, please include a copy of the analysis with this form.
If not, do you consider the water as: Good ☑ Acceptable ☐ Poor ☐ Unusable ☐
Was a bacteriological analysis made? Yes ☑ No ☐
If a domestic well, was the well disinfected by the driller? Yes ☐ No ☑

20. IF WELL IS TO BE ABANDONED, complete only Items 1 through 6, Item 10 and Item 18 (Log of Well) and state reason for abandonment below.
It is the responsibility of the owner to properly plug or fill in the well in order to prevent contamination of ground water and to cover or cap the well at ground level.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this form and to the best of my knowledge and belief it is true, correct and complete.

Earl Thorp
Signature of Owner or Authorized Agent

September 3, 1974
Date

Date of Receipt: SEP 5 1974, 19____ Date of Priority: April 25, 1974

Amelia Thompson

Date of Approval: Sept. 15, 1974

for State Engineer

MICRO-FILMED AUG 8 '79

RECEIVED MAY 2 1979 STATE ENGINEER Cheyenne, Wyo.

Form U.W. 6

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

IF WELL IS TO BE ABANDONED, SEE ITEM 15, PAGE 4

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL

PERMIT NO. U.W. 42928 NAME OF WELL Lucky Five #2

1. NAME OF OWNER Mr. and Mrs. Earl G. Doege

2. ADDRESS Box 477 Glenrock Wyo Zip Code 82637

3. USE OF WATER: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Miscellaneous ☐

4. LOCATION OF WELL: SW¼ NE¼ SE¼ of Section 11, T. 34 N., R. 74 W., of the 6th P.M. (or W.R.M.), Wyoming, being specifically (Bearing and Distance)

or 150 ft. ~~North~~ South and 650 ft. ~~East~~ West from the corner of Section 11, T. 34 N., R. 74 W. (Strike out words not needed).

5. TYPE OF CONSTRUCTION: Drilled ☒ Rotary (Type of Rig) Dug ☐ Driven ☐ Jetted ☐

Other

6. CONSTRUCTION: Total Depth 180 ft. Depth to Water Level 100 ft.

a. Casing Schedule New ☒ Used ☐

5 diameter from 0 ft. to 180 ft. Material Plastic Gage 272

diameter from ft. to ft. Material Gage

diameter from ft. to ft. Material Gage

b. Perforations: Type of perforator used Saw

Size of perforations 1/8 inches by 3 1/2 inches.

Number of perforations and depths where perforated:

60 perforations from 135 ft. to 125 feet.

perforations from ft. to feet.

c. Was well screen installed? Yes ☐ No ☒

Diameter: slot size: set from feet to feet.

Diameter: slot size: set from feet to feet.

d. Was well gravel packed? Yes ☒ No ☐ Size of gravel 1/4

e. Was surface casing used Yes ☐ No ☒ Was it cemented in place? Yes ☐ No ☐

7. NAME & ADDRESS OF DRILLER Chester Schossow 565 Nash Cas Perry OK

8. DATE OF COMPLETION OF WELL (including pump installation) * MAY 25, 1979

9. PUMP INFORMATION: Manufacturer * Berkley Type *Submersible

Source of power * Electric Horsepower * 3/4 Depth of Pump Setting *150 ft.

Amount of Water Being Pumped *20 Gallons Per Minute. Per letter Rec'd 6-12-79 Rec

Permit No. U.W. 42928 Book No. 231 Page No. 59

U.W. 42928

10. **PUMP TEST:** Was a pump test made? Yes ☐ No ☐

If so, by whom_____ Address_____

Yield: _____gal./min. with_____foot drawdown after_____hours.

Yield: _____gal./min. with_____foot drawdown after_____hours.

11. **FLOWING WELL** (Owner is responsible for control of flowing well).

If well yields artesian flow, yield is_____gal./min. Surface pressure is_____lb./sq. inch, or_____feet of water.

The flow is controlled by: valve ☐ cap ☐ plug ☐

Does well leak around casing? Yes ☐ No ☐

12. **LOG OF WELL:** Total depth drilled 180 feet.

Depth of completed well 180 feet. Diameter of well 8" inches.

Depth to first water bearing formation 75 feet.

Depth to principal water bearing formation Top 140 feet to Bottom 175 feet.

Ground Elevation, if known_____

From Feet	To Feet	Material Type, Texture, Color	REMARKS (Cementing, Shutoff, Packing, etc.)	Indicate Water Bearing Formation	Indicate Perforated Casing Location
0	5	Surface			
5	10	Sand			
10	60	Brown clay			
60	70	Sand & gravel 1½ min		1½ gals min	
70	75	Brown clay			
75	125	Gray Shale	Seal 75 To 80		
125	140	Brown clay & Shale			
140	175	Sand white & Black		26 gals min	135- 175
175	180	Gray Shale			

QUALITY OF WATER INFORMATION:

Was a chemical analysis made? Yes ☐ No ☐

If so, please include a copy of the analysis with this form.

If not, do you consider the water as: Good ☐ Acceptable ☐ Poor ☐ Unusable ☐

Recd 25.00 8-25-04 12:30pm

FORM U.W. 5
Rev. 7/03
FILING FEE SCHEDULE ON REVERSE SIDE

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E CHEYENNE, WYOMING 82002
(307) 777-6163

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

FILED SEP 2004

SE025844
25.00 8/25/04

APPLICATION FOR WELLS AND SPRINGS

Note: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic and /or stock watering, will be considered as ground water appropriations.

FOR OFFICE USE ONLY

PERMIT NO. U.W. 161492
WATER DIVISION NO. 1 DISTRICT 15-5
U.W. DISTRICT Converse County

Temporary Filing No. U.W. 36-9-5916

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.
ALL ITEMS MUST BE COMPLETED BEFORE APPLICATION IS ACCEPTABLE

NAME AND NUMBER OF WELL or SPRING ALBAUGH 1

1. Name of applicant(s) JOHN & MELISSA ALBAUGH Phone: 286-0831

2. Address of applicant(s) PO box 935 GLENROCK WY 82637
(MAILING ADDRESS) (CITY) (STATE) (ZIP)

3. Name & address of agent to receive correspondence and notices

SAME Phone:
(MAILING ADDRESS) (CITY) (STATE) (ZIP)

4. Use to which the water will be applied:

- [X] Domestic: Use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totaling one acre or less. Number of houses served? 1.
- [ ] Stock Watering: Normal livestock use at four tanks or less within one mile of well or spring. Stockwatering pipelines and commercial feedlots are a miscellaneous use. Number of stock tanks?___.
- [ ] Irrigation: Watering of commercially grown crops (large-scale lawn watering of golf courses, cemeteries, recreation areas, etc., is miscellaneous use).
- [ ] Municipal: Use of water in incorporated Towns and Cities. Note 1: use of water in unincorporated towns, subdivisions, improvement districts, mobile home parks, etc. is classified as miscellaneous use. Note 2: a permit may be required by the Wyoming Department of Environmental Quality (WDEQ) if the well will be classified as a public water supply under the WDEQ's rules and regulations.
- [ ] Industrial: Long term use of water for the manufacture of a product or production of oil/gas or other minerals (oil field water flood operations, power plant water supply, etc.). (Describe in REMARKS)
- [ ] Miscellaneous: Any use of water not defined under previous definitions such as stock water pipelines, subdivisions, mine dewatering, mineral/oil exploration drilling, potable supplies in office, etc Describe in Remarks. Note: a permit may be required by the WDEQ if the well will be classified as a public water supply under the WDEQ's rules and regulations.
- [ ] Coalbed Methane: Water produced in the production of coal bed methane gas. Note: wells used in the production coal bed methane will require a permit from the Wyoming Oil and Gas Conservation Commission.
- [ ] Monitor, Observation: Note: a WDEQ permit may be required [ ] Test Well: (Describe in REMARKS)

5. Location of the well or spring: (NOTE: Quarter-quarter (40 acre subdivision) MUST be shown. EXAMPLE: SE 1/ 4 NW 1/ 4 of Sec. 12, Township 14 North, Range 68 West.)
CONVERSE County, NW 1/4 SE 1/4 of Sec. 11, T. 34 N., R. 74 W. of the 6th P.M. (W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot/Tract ___ Block ___ of the ___ Subdivision (or Add'n) of ___. Resurvey Location: Tract ___, (or Lot) ___.

6. Estimated depth of the well or spring is 400 feet. Estimated production interval is ___ ft. to ___ ft.

7. (a) MAXIMUM instantaneous flow of water to be developed and beneficially used: 25 gallons per minute. NOTE: if for domestic and / or stock use, this application will be processed for a maximum of 25 gallons per minute. For a spring, after approval of this application, some type of artificial diversion or improvement must be constructed to qualify for a water right.

(b) MAXIMUM volumetric quantity of water to be developed and beneficially used per calendar year: 325,000.
Circle appropriate units: (Gallons) (Acre Feet) A four person family utilizes approximately one (1) acre-foot of water per year or 325,000 gallons.

8. Mark the point(s) or area(s) of use in the tabulation box below.

TABULATION BOX

TWP	RNG	SEC	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
34	74	11														X			

161492

SEE REVERSE SIDE

Permit No. U.W. ___ Book No. 1183 Page No. 55

9. If for irrigation use:
   a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation box above.
   b. — Land will be irrigated from this well only.
   c. . . Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

10. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.: _____

11. The well or spring is to be constructed on lands owned by JOHN & MELISSA ALBAUGH
(The granting of a permit does not constitute the granting of right-of-way. If any easement or right-of-way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not the co-applicant.)

12. The water is to be used on lands owned by JOHN & MELISSA ALBAUGH
(If the landowner is not the applicant, a copy of the agreement relating to the usage of appropriated water on the land should be submitted to this office. If the landowner is included as co-applicant on the application, this procedure need not be followed.) NOTE: Water rights attach to the area(s) and/or point(s) of use.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Melissa Albaugh — Signature of Applicant or Authorized Agent
08/25 — Date
, 2004

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES (Domestic use is defined as use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less.)	$25.00
IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS, COAL BED METHANE	$50.00
MONITOR (For water level measurements or chemical quality sampling) or TEST WELL	No Fee

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.
STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 25th day of August, A.D. 2004, at 12:30 o'clock P M.

Permit No. U.W. 161482

for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.
Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.
If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use without loss of water into sub-surface formations or at the land surface.
Coal Bed Methane wells have Additional Conditions and Limitations on attachment sheet.

Approval of this application may be considered as authorization to proceed with construction of the proposed well or spring. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 2005.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 31st day of August, A.D. 2004.

for Cheryl Verplanche
PATRICK T. TYRRELL, State Engineer

SEP 30 '05 NOTICE OF EXPIRATION OF TIME FOR COMPLETION AND COMPLETION OF BENEFICIAL USE MAILED

MICRO FILMED SEP 30 2005

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