

**Table D6-5 Monitor Well Data (Page 1 of 4)**

Well Name	Easting (feet)	Northing (feet)	Completion Zone	Ground Surface Elevation (ft amsl)	Measure Point Elevation (ft amsl)	Total Depth (feet)	Top Underreamed Zone (ft bgs)	Bottom Underreamed Zone (ft bgs)	Total Underreamed thickness (feet)
HJT-106	744,221	534,573	DE	6933.14	6935.14	162	142	162	20
HJT-107	745,230	534,833	DE	6942.69	6944.34	163	133	163	30
LC29M	744,547	534,837	DE	6935.11	6936.86	171	140	164	24
LC30M	736,276	532,836	DE	6925.10	6927.40	236	196	236	40
LC31M	733,380	524,434	DE	6804.55	6805.83	191	150	190	40
MB-1	736,248	535,851	DE	6984.39	6985.89	300	240	280	40
MB-7	753,266	538,981	DE	6983.38	6984.88	140	80	125	45
MB-10	743,348	535,293	DE	6939.20	6940.70	190	130	160	30
HJMO-102	742,549	534,762	FG	6933.89	6934.56	330	290	330	40
HJMO-103	742,646	535,101	FG	6935.29	6936.29	330	296	326	30
HJMO-101	743,281	534,988	LFG	6904.24	6905.45	326	295	326	31
HJMO-104	742,897	534,899	LFG	6939.51	6940.76	328	296	326	30
HJMO-105	742,953	535,074	LFG	6936.84	6938.00	326	300	323	23
HJMO-106	743,168	535,258	LFG	6941.00	6941.75	336	296	326	30
HJMO-107	743,697	534,790	LFG	6936.86	6937.86	370	339	369	30
HJMO-108	743,461	535,298	LFG	6950.64	6951.64	333	305	333	28
HJMO-109	743,904	534,825	LFG	6937.79	6938.95	379	345	370	25
HJMO-110	743,675	535,194	LFG	6945.92	6947.13	330	300	330	30
HJMO-111	743,825	535,371	LFG	6949.38	6950.46	330	303	333	30
HJMO-112	744,375	534,674	LFG	6933.76	6935.51	350	305	350	45
HJMO-113	744,265	534,805	LFG	6936.06	6936.97	362	318	356	38
HJMO-114	744,979	534,676	LFG	6939.09	6940.75	360	324	360	36
LC15M	744,532	534,820	LFG	6935.13	6936.55	350	286	340	54
LC18M	743,368	535,316	LFG	6948.43	6949.03	350	290	332	42
LC21M	736,277	532,850	LFG	6925.00	6927.13	410	375	398	23
LC25M	743,397	534,601	LFG	6935.00	6936.52	380	316	369	53

**Table D6-5 Monitor Well Data (Page 2 of 4)**

Well Name	Easting (feet)	Northing (feet)	Completion Zone	Ground Surface Elevation (ft amsl)	Measure Point Elevation (ft amsl)	Total Depth (feet)	Top Underreamed Zone (ft bgs)	Bottom Underreamed Zone (ft bgs)	Total Underreamed thickness (feet)
MB-2	436,298	535,858	LFG	6985.42	6986.92	460	410	450	40
MB-5	733,337	524,466	LFG	6803.54	6805.04	330	305	325	20
MB-8	753,316	538,987	LFG	6984.00	6985.50	280	230	260	30
HJMP-101	743,287	534,998	HJ	6903.70	6904.58	490	438	465	27
HJMP-102	742,559	534,755	HJ	6934.15	6936.15	440	405	435	30
HJMP-103	742,652	535,109	HJ	6935.08	6936.49	432	392	432	40
HJMP-104	742,886	534,897	HJ	6939.04	6941.04	430	402	430	28
HJMP-105	742,933	535,073	HJ	6936.84	6937.38	460	425	463	38
HJMP-106	743,166	535,267	HJ	6940.20	6941.29	480	430	480	50
HJMP-107	743,684	534,802	HJ	6936.81	6938.45	464	423	460	37
HJMP-108	743,466	535,311	HJ	6951.12	6952.20	436	400	434	34
HJMP-109	743,895	534,829	HJ	6937.89	6939.10	512	478	512	34
HJMP-110	743,682	535,184	HJ	6945.81	6947.01	476	431	476	45
HJMP-111	743,836	535,365	HJ	6948.99	6949.49	440	393	440	47
HJMP-112	744,385	534,668	HJ	6934.32	6935.48	400	370	400	30
HJMP-113	744,273	534,797	HJ	6935.26	6937.26	462	416	462	46
HJMP-114	744,976	534,687	HJ	6940.18	6941.01	460	408	460	52
HJT-101	742,561	534,610	HJ	6937.12	6937.56	478	437	477	40
HJT-102	742,886	534,696	HJ	6937.82	6939.15	430	390	417	27
HJT-103	743,180	534,670	HJ	6937.56	6938.22	450	423	450	27
HJT-104	743,653	534,892	HJ	6937.48	6940.15	460	410	460	50
HJT-105	744,423	535,024	HJ	6937.45	6938.87	850	407	438	31
LC16M	744,549	534,818	HJ	6934.73	6936.15	472	410	467	57
LC19M	743,383	535,317	HJ	6949.32	6950.52	463	412	463	51
LC22M	736,292	532,850	HJ	6924.01	6926.06	592	504	585	81
LC26M	748,203	534,832	HJ	6952.96	6955.67	436	376	431	55

**Table D6-5 Monitor Well Data (Page 3 of 4)**

Well Name	Easting (feet)	Northing (feet)	Completion Zone	Ground Surface Elevation (ft amsl)	Measure Point Elevation (ft amsl)	Total Depth (feet)	Top Underreamed Zone (ft bgs)	Bottom Underreamed Zone (ft bgs)	Total Underreamed thickness (feet)
UKMO-101	744,086	534,943	HJ	6940.19	6942.28	487.4	465	485	20
UKMO-102	744,205	535,134	HJ	6940.24	6940.79	420	377	408	31
UKMO-103	744,501	535,556	HJ	6949.28	6950.53	438	417	445	28
MB-3B	736,348	535,854	HJ	6985.88	6987.38	600	540	552	12
							562	587	25
MB-6	733,376	524,466	HJ	6803.40	6804.90	440	380	405	25
MB-9	753,281	539,034	HJ	6984.82	6986.31	400	340	370	30
HJMU-101	743,277	531,997	UKM	6903.50	6904.71	535	499	535	36
HJMU-102	743,476	535,299	UKM	6934.72	6935.35	600	495	525	30
HJMU-103	742,657	535,098	UKM	6935.06	6936.06	850	500	540	40
HJMU-104	742,891	534,907	UKM	6939.01	6940.51	550	512	550	38
HJMU-105	742,942	535,076	UKM	6936.37	6937.58	548	502	542	40
HJMU-106	743,159	535,258	UKM	6940.59	6941.75	547	500	546	46
HJMU-107	743,686	534,788	UKM	6936.84	6937.88	855	550	580	30
HJMU-108	743,476	535,299	UKM	6949.97	6951.51	850	510	540	30
HJMU-109	743,905	534,835	UKM	6933.92	6939.38	850	524	574	50
HJMU-110	743,685	535,195	UKM	6945.97	6947.56	850	492	532	40
HJMU-111	743,841	535,374	UKM	6948.93	6950.08	853	507	545	38
HJMU-112	744,386	534,676	UKM	6934.18	6935.35	802	525	560	35
HJMU-113	744,277	534,807	UKM	6935.16	6936.99	800	524	555	31
HJMU-114	744,966	534,678	UKM	6939.10	6940.43	557	525	553	28
LC17M	744,548	534,838	UKM	6935.32	6936.90	575	529	565	36
LC20M	743,383	535,331	UKM	6949.27	6950.64	543	511	543	32
LC23M	736,292	532,835	UKM	6924.41	6926.80	634	595	630	35
LC24M	744,566	535,200	UKM	6942.33	6944.33	542	478	531	53

**Table D6-5 Monitor Well Data (Page 4 of 4)**

<b>Well Name</b>	<b>Easting (feet)</b>	<b>Northing (feet)</b>	<b>Completion Zone</b>	<b>Ground Surface Elevation (ft amsl)</b>	<b>Measure Point Elevation (ft amsl)</b>	<b>Total Depth (feet)</b>	<b>Top Underreamed Zone (ft bgs)</b>	<b>Bottom Underreamed Zone (ft bgs)</b>	<b>Total Underreamed thickness (feet)</b>
LC27M	753,260	539,018	UKM	7010.00	7012.16	477	433	456	23
LC28M	733,364	524,437	UKM	6804.15	6805.19	563	502	557	55
UKMP-101	744,090	534,929	UKM	6940.18	6941.74	575	540	572	32
UKMP-102	744,204	535,145	UKM	6940.51	6942.10	498	485	505	20
UKMP-103	744,487	535,558	UKM	6949.73	6950.84	537	496	537	41
MB-4	736,398	535,868	UKM	6985.77	6987.27	680	610	640	30
UKMU-101	744,101	534,931	MKM	6939.87	6941.87	850	608	630	22
UKMU-102	744,191	535,143	MKM	6940.62	6942.62	583	545	570	25
UKMU-103	744,488	535,546	MKM	6948.75	6950.92	850	558	590	32

(-) Data not available.

**Table D6-7a Horizontal Hydraulic Gradient, Lost Creek Project (Page 1 of 3)**

Well Pair	Easting (feet)	Northing (feet)	Water Level Elevation (feet above mean sea level)	Distance Between Wells (feet)	Head Difference (feet)	Hydraulic Gradient (foot/foot)	Description (Aquifer, Location and Date)
LC16M	744553	534811	6757.59	8491	38.19	0.0045	HJ Aquifer-South Side of Fault 2006
LC22M	736292	532850	6719.40				
M-25-92-17-1M	745813	536223	6781.80	3268	11.00	0.0034	HJ Aquifer-North Side of Fault 1982
M-25-92-18-1M	742623	535515	6770.80				
M-25-92-20-1M	745023	534520	6758.90	2401	13.40	0.0056	HJ Aquifer-South Side of Fault 1982
M-25-92-19-2M	742623	534500	6745.50				
M-25-92-20-1M	745023	534520	6758.90	2401	9.10	0.0038	HJ Aquifer-South Side of Fault 1982
M-25-92-19-1M	742622	534524	6749.80				
LC16M	744553	534811	6758.24	853	3.45	0.0040	HJ Aquifer-South Side of Fault 2007
HJMP-107	743700	534800	6754.79				
HJMP-111	743850	535370	6773.38	1060	4.18	0.0039	HJ Aquifer-North Side of Fault 2007
HJMP-104	742900	534900	6769.20				
UKMO-103	744501	535556	6774.50	1744	8.70	0.0050	HJ Aquifer North Side of Fault 2007
HJMP104	742886	534897	6765.80				
M-25-92-17-1S	745785	536224	6792.90	3217	14.90	0.0046	LFG Aquifer-North Side of Fault 1982
M-25-92-18-1S	742648	535513	6778.00				

**Table D6-7a Horizontal Hydraulic Gradient, Lost Creek Project (Page 2 of 3)**

Well Pair	Easting (feet)	Northing (feet)	Water Level Elevation (feet above mean sea level)	Distance Between Wells (feet)	Head Difference (feet)	Hydraulic Gradient (foot/foot)	Description (Aquifer, Location and Date)
LC15M	744546	534823	6776.23	1170	5.60	0.0048	LFG Aquifer-South Side of Fault 2006
LC25M	743397	534601	6770.63				
LC15M	744546	534823	6776.23	8501	48.15	0.0057	LFG Aquifer-South Side of Fault 2006
LC21M	736277	532850	6728.08				
LC25M	743397	534601	6770.63	7332	42.55	0.0058	LFG Aquifer-South Side of Fault 2006
LC21M	736277	532850	6728.08				
HJMO-111	743836	535365	6784.00	1059	5.60	0.0053	LFG aquifer North Side of Fault 2007
HJMO-104	742886	534897	6778.40				
M-25-92-17-1D	745837	536222	6761.60	3317	21.00	0.0063	UKM Aquifer-North Side of Fault 1982
M-25-92-18-1D	742596	535517	6740.60				
LC17M	744562	534840	6751.53	8510	45.06	0.0053	UKM Aquifer-South Side of Fault 2006
LC23M	736292	532835	6706.47				
UKMP-103	744501	535556	6750.50	1744	6.70	0.0038	UKM aquifer North Side of Fault 2007
HJMUP104	742886	534897	6743.80				
LC29M	744547	534837	6783.11	8510	54.73	0.0064	DE Aquifer-South Side of Fault 2006
LC30M	736276	532836	6728.38				

**Table D6-7a Horizontal Hydraulic Gradient, Lost Creek Project (Page 3 of 3)**

<b>Horizontal Hydraulic Gradient Estimated from Potentiometric Surface Maps from 12/08/08 (Figures D6-11a through D6-11d)</b>					
	<b>Distance (feet)</b>	<b>Head Upgradient</b>	<b>Head Downgradient</b>	<b>Head Difference (feet)</b>	<b>Hydraulic Gradient (foot/foot)</b>
<b>DE North Side of Fault</b>	21000	6860	6710	150	0.0071
<b>DE South Side of Fault</b>	12500	6780	6690	90	0.0072
<b>LFG North Side of Fault</b>	21500	6820	6710	110	0.0051
<b>LFG South Side of Fault</b>	14000	6780	6680	100	0.0071
<b>HJ North Side of Fault</b>	20500	6800	6700	100	0.0049
<b>HJ South Side of Fault</b>	13500	6760	6680	80	0.0059
<b>UKM North Side of Fault</b>	20500	6790	6680	110	0.0054
<b>UKM South Side of Fault</b>	12700	6750	6670	80	0.0063

**Table D6-7b Vertical Hydraulic Gradients, Lost Creek Project (Page 1 of 4)**

Well ID	Eastings (feet)	Northing (feet)	Completion Zone	Measure Point Elevation (ft msl) <sup>1</sup>	Top Underreamed Interval (ft bgs) <sup>2</sup>	Bottom Underreamed Interval (ft bgs) <sup>2</sup>	Midpoint Underreamed Interval (ft bgs) <sup>3</sup>	Date of Measurement	Depth to Water (ft bgs)	Water Level Elevation (ft msl)	Vertical Hydraulic Gradient (foot/foot)
<b>West Central Well Group ( North side of Fault)</b>											
MB-10	743347.83	535293	DE	6942.66	130	170	150	NM	NM	NM	- <sup>4</sup>
LC18M	743368	535316	LFG	6948.97	290	332	311	10/25/2006	167.32	6781.65	-
LC19M	743383	535317	HJ	6950.02	412	463	438	10/25/2006	179.05	6770.97	0.08
LC20M	743383	535331	UKM	6950.52	511	543	527	10/25/2006	202.84	6747.68	0.26
MB-10	743347.83	535293	DE	6942.66	130	170	150	NM	NM	NM	-
LC18M	743368	535316	LFG	6948.97	290	332	311	6/27/2007	168.04	6780.93	-
LC19M	743383	535317	HJ	6950.02	412	463	438	6/27/2007	180.08	6769.94	0.09
LC20M	743383	535331	UKM	6950.52	511	543	527	6/27/2007	202.36	6748.16	0.24
MB-10	743347.83	535293	DE	6942.66	130	170	150	NM	NM	NM	-
LC18M	743368	535316	LFG	6948.97	290	332	311	11/21/2007	168.11	6780.86	-
LC19M	743383	535317	HJ	6950.02	412	463	438	11/21/2007	181.41	6768.60	0.10
LC20M	743383	535331	UKM	6950.52	511	543	527	11/21/2007	204.2	6746.31	0.25
MB-10	743347.83	535293	DE	6942.66	130	170	150	12/8/2008	168.75	6,773.91	-
LC18M	743368	535316	LFG	6948.97	290	332	311	12/8/2008	168.15	6,780.82	-0.04
LC19M	743383	535317	HJ	6950.02	412	463	438	12/8/2008	179.85	6,770.17	0.08
LC20M	743383	535331	UKM	6950.52	511	543	527	12/8/2008	201.69	6,748.83	0.24



**Table D6-7b Vertical Hydraulic Gradients, Lost Creek Project (Page 2 of 4)**

Well ID	Easting (feet)	Northing (feet)	Completion Zone	Measure Point Elevation (ft msl) <sup>1</sup>	Top Underreamed Interval (ft bgs) <sup>2</sup>	Bottom Underreamed Interval (ft bgs) <sup>2</sup>	Midpoint Underreamed Interval (ft bgs) <sup>3</sup>	Date of Measurement	Depth to Water (ft bgs)	Water Level Elevation (ft msl)	Vertical Hydraulic Gradient (foot/foot)
<b>East Central Well Group (South of Fault)</b>											
LC29M	744547	534837	DE	6937.55	140	164	152	10/25/2006	154.87	6,782.68	-
LCM15	744546	534823	LFG	6936.55	286	340	313	10/25/2006	160.34	6,776.21	0.04
LCM16	744562	534820	HJ	6936.15	410	467	438.5	10/25/2006	178.79	6,757.36	0.15
LCM17	744562	534840	UKM	6936.90	529	565	547	10/25/2006	185.34	6,751.56	0.05
LC29M	744547	534837	DE	6937.55	140	164	152	11/21/2007	155.14	6,782.41	-
LCM15	744546	534823	LFG	6936.55	286	340	313	11/21/2007	157.94	6,778.61	0.02
LCM16	744562	534820	HJ	6936.15	410	467	438.5	11/21/2007	178.78	6,757.37	0.17
LCM17	744562	534840	UKM	6936.90	529	565	547	11/21/2007	186.96	6,749.94	0.07
LC29M	744547	534837	DE	6937.55	140	164	152	12/8/2008	155.94	6,781.61	-
LCM15	744546	534823	LFG	6936.55	286	340	313	12/8/2008	158.06	6,778.49	0.02
LCM16	744562	534820	HJ	6936.15	410	467	438.5	12/8/2008	177.45	6,758.70	0.16
LCM17	744562	534840	UKM	6936.90	529	565	547	12/8/2008	185.03	6,751.87	0.06
<b>West Well Group (South of Fault; Projected)</b>											
LC30M	736276	532836	DE	6927.40	196	236	216	10/25/2006	199.02	6,728.38	-
LC21M	736277	532850	LFG	6927.13	375	398	387	10/25/2006	199.05	6,728.08	0.00
LC22M	736292	532850	HJ	6926.06	504	585	544.5	10/25/2006	206.66	6,719.40	0.06
LC23M	736292	532835	UKM	6926.80	595	630	612.5	10/25/2006	220.33	6,706.47	0.19
LC30M	736276	532836	DE	6927.40	196	236	216	12/8/2008	199.40	6,728.00	-
LC21M	736277	532850	LFG	6927.13	375	398	387	12/8/2008	198.78	6,728.35	0.00
LC22M	736292	532850	HJ	6926.06	504	585	544.5	12/8/2008	207.15	6,718.91	0.06
LC23M	736292	532835	UKM	6926.80	595	630	612.5	12/8/2008	221.00	6,705.80	0.19

**Table D6-7b Vertical Hydraulic Gradients, Lost Creek Project (Page 3 of 4)**

Well ID	Easting (feet)	Northing (feet)	Completion Zone	Measure Point Elevation (ft msl) <sup>1</sup>	Top Underreamed Interval (ft bgs) <sup>2</sup>	Bottom Underreamed Interval (ft bgs) <sup>2</sup>	Midpoint Underreamed Interval (ft bgs) <sup>3</sup>	Date of Measurement	Depth to Water (ft bgs)	Water Level Elevation (ft msl)	Vertical Hydraulic Gradient (foot/foot)
<b>Northwest Well Group (North of Fault)</b>											
MB-1	736245.85	535848.56	DE	6985.90	240	280	260	12/8/2008	233.01	6,752.89	-
MB-2	736301.85	535855.26	LFG	6986.92	410	450	430	12/8/2008	241.92	6,745.00	0.05
MB-3	736348.85	535849.86	HJ	6987.38	540	580	560	12/8/2008	259.00	6,728.38	0.13
MB-4	736395.85	535867.36	UKM	6987.27	630	660	645	12/8/2008	273.90	6,713.37	0.18
<b>Southwest Well Group (South of Fault)</b>											
LC31M	733380	524434	DE	6806.05	150	190	170	12/8/2008	143.65	6,662.40	-
MB-5	733337.91	524460.9	LFG	6805.04	305	325	315	12/8/2008	142.85	6,662.19	0.00
MB6	733380.91	524464.1	HJ	6804.90	380	405	392.5	12/8/2008	141.22	6,663.68	-0.02
LC28M	733364	524437	UKM	6805.56	502	557	529.5	12/8/2008	155.04	6,650.52	0.10
<b>East Well Group (North of Fault; Projected)</b>											
MB-7	753265.78	538975.75	DE	6984.88	80	125	102.5	11/17/2008	123.33	6,861.55	-
MB-8	753316.78	538979.75	LFG	6985.50	240	270	255	12/8/2008	167.19	6,818.31	0.28
MB-9	753280.78	539026.25	HJ	6986.32	340	370	355	12/8/2008	182.38	6,803.94	0.14
LC27M	753260	539018	UKM	6987.38	433	456	444.5	12/8/2008	191.15	6,796.23	0.09
<b>Conoco Northeast Wells</b>											
M-25-92-17-1S	745785	536224	LFG	6966.20	* <sup>5</sup>	*	334	8/18/1982	*	6792.90	-
M-25-92-17-1M	745813	536223	HJ	6966.70	*	*	422	8/18/1982	*	6781.80	0.13
M-25-92-17-1D	745837	536222	UKM	6967.40	*	*	516	8/18/1982	*	6761.60	0.21

**Table D6-7b Vertical Hydraulic Gradients, Lost Creek Project (Page 4 of 4)**

Well ID	Easting (feet)	Northing (feet)	Completion Zone	Measure Point Elevation (ft msl) <sup>1</sup>	Top Underreamed Interval (ft bgs) <sup>2</sup>	Bottom Underreamed Interval (ft bgs) <sup>2</sup>	Midpoint Underreamed Interval (ft bgs) <sup>3</sup>	Date of Measurement	Depth to Water (ft bgs)	Water Level Elevation (ft msl)	Vertical Hydraulic Gradient (foot/foot)
<b>Conoco Central Wells</b>											
M-25-92-18-1S	742648	535513	LFG	6939.30	*	*	340	8/18/1982	*	6778.00	-
M-25-92-18-1M	742623	535515	HJ	6940.00	*	*	413	8/18/1982	*	6770.80	0.10
M-25-92-18-1D	742596	535517	UKM	6938.70	*	*	608	8/18/1982	*	6740.60	0.15
<b>Conoco Southeast Wells</b>											
M-25-92-20-1S	744998	534521	LFG	6934.50	*	*	341	8/18/1982	*	6776.40	-
M-25-92-20-1M	745023	534520	HJ	6934.90	*	*	388	8/18/1982	*	6758.90	0.37
M-25-92-20-1D	745048	534519	UKM	6935.00	*	*	522	8/18/1982	*	6751.80	0.05

<sup>1</sup> ft amsl - feet above mean sea level

<sup>2</sup> ft bgs - feet below ground surface

<sup>3</sup> Vertical hydraulic gradient is calculated from middle of underreamed interval in overlying aquifer to middle of underreamed interval in underlying aquifer. A positive number indicates a downward potential.

<sup>4</sup> Dash (-) indicates no overlying aquifer.

<sup>5</sup> Asterisk (\*) indicates values were not reported by HydroSearch, Inc (1982)

**Table D6-8 1982 and 2006 Pump Test Results**

Well Identification	Completion Zone	Pumping Well	Under-Reamed Interval <sup>6</sup> (feet)	Pumping Rate (gpm)	Length of Test (hour:minute)	Maximum Drawdown (feet)	Transmissivity/Analytical Method						Average (ft <sup>2</sup> /d)	Average Hydraulic Conductivity (ft/d)	Storativity
							Cooper Jacobs <sup>7</sup>		Hantush		Jacob Recovery				
							(gpd/ft)	(ft <sup>2</sup> /d)	(gpd/ft)	(ft <sup>2</sup> /d)	(gpd/ft)	(ft <sup>2</sup> /d)			
<b>Multi-Well Tests</b>															
LC16M <sup>1</sup>	HJ	LC16M	57	15	19:50	21.8	818	109.4			769	102.8	106.1	1.9	
LC19M 1st <sup>2</sup>	HJ	LC19M	51	17.6 to 18.8	10:42	26.4	553	73.9			719	96.1	85.0	1.7	
LC19M 2nd <sup>2</sup>	HJ	LC19M	51	17.6 to 18.8	25:30	29.1	590	78.9			773	103.3	91.1	1.8	
LC22M <sup>3</sup>	HJ	LC22M	81	11.75	45:00	36.3	3007	402.0			1605	214.6	308.3	3.8	
M-25-92-19-1M	HJ	M-25-92-19-2M	~ 50	30	25:10	28.5	700	93.6	730	97.6	760	101.6	97.6	2.0	0.00084
M-25-92-19-2M	HJ	M-25-92-19-2M	~ 50	30	25:10	49	730	97.6	580	77.5	620	82.9	86.0	1.7	
M-25-92-19-3M	HJ	M-25-92-19-2M	~ 50	30	25:10	31.7	680	90.9	610	81.6	730	97.6	90.0	1.8	0.00033
M-25-92-20-1M <sup>4</sup>	HJ	M-25-92-20-1M	~ 50	30	25:00	25	2000	267.4			1300	173.8	220.6	4.4	
<b>Single Well Tests</b>															
LC26M	HJ		55	13.6 to 14.3	1:09	9.7	1821	243.4						4.4	
LC27M 1st	UKM		23	12.8 to 13.0	2:05	12.5	1659	221.8						9.6	
LC27M 2nd <sup>5</sup>	UKM		23	8.8	2:13	8.2	2013	269.1						11.7	
LC15M	LFG		54	14.2	1:50	32.1	302	40.4						0.7	
LC18M 1st	LFG		42	8.8 to 13.0	3:25	94	33	4.4						0.1	
LC18M 2nd	LFG		42	7.5 to 10	2:17	50.5	62	8.3						0.2	
LC21M	LFG		23	13.1	3:45	50.2	303	40.5						1.8	
LC25M	LFG		33	9.4 to 12.2	2:01	75	212	28.3						0.9	
LC17M	UKM		36	13	2:15	26	195	26.1						0.7	
LC20M	UKM		32	12 to 12.5	2:21	23.5	520	69.5						2.2	
LC23M	UKM		35	9.9	3:56	25	583	77.9						2.2	
LC24M	UKM		53	12.1	1:12	24	561	75.0						1.4	
LC29M	DE		40	0.67	0:31	10.3	10	1.3						0.0	
LC30M 1st	DE		40	2.7 to 3.3	5:02	13	231	30.9						0.8	
LC30M 2nd	DE		40	7	2:55	24	573	76.6						1.9	
LC31M	DE		40	7	1:34	14	1098	146.8						3.7	

<sup>1</sup> No significant response from the HJ observation wells LC19M (across the Fault 1,284 feet), LC22M (8,500 feet) or LC26M (3,640 feet) during the test.

<sup>2</sup> No significant response from the HJ observation wells LC16M (1,284 feet), LC22M (7,500 feet) or LC26M (4,850 feet), which are all located across the Fault, during the test.

<sup>3</sup> No significant response from the HJ observation wells LC16M (8,502 feet) or LC28M (8,908 feet) or from LFG well LC21M (15 feet) or UKM well LC23M (15 feet) during the test.

<sup>4</sup> No response from the overlying (M-25-92-20S) or underlying (M25-92-20-D) observation wells during the test.

<sup>5</sup> The pump was shut off after 59 minutes for ten minutes; then the test was resumed.

<sup>6</sup> The 50-foot under-reamed interval for wells M-25-92 was an estimate; these data were not provided in the Hydro-Search, Inc. report (1982).

<sup>7</sup> Hydro Engineering (2007) reported early and late time values for Cooper Jacobs analytical methods; only late time data results are shown here.

Late time data provides better representation, as much of the early time data is impacted by casing storage and later time data shows effects of the Fault.

**Table D6-9a 2007 LC19M Long Term Pump Test Monitor Wells**

Well ID	Type of Well	Completion Zone	Ground Surface Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Top of Underreamed Zone (ft bgs)	Bottom of Underreamed Zone (ft bgs)	Distance from Pumping Well (feet)	Same Side of Fault as Pumping Well?	Initial Depth to Water (ft bgs)	Static Water Level Elevation (ft amsl)
LC19M	Pumping	HJ	6949.32	6950.52	412	463	0	Yes	180.08	6770.44
HJT-104	Production Zone Monitor	HJ	6938.78	6940.11	410	460	501	Yes	169.51	6770.60
HJMP-104	Production Zone Monitor	HJ	6939.76	6941.01	402	430	638	Yes	171.81	6769.20
HJMP-110	Production Zone Monitor	HJ	6945.95	6947.14	431	476	338	Yes	174.89	6772.25
HJMP-111	Production Zone Monitor	HJ	6948.98	6950.32	393	440	470	Yes	176.94	6773.38
HJMP-107	Production Zone Monitor	HJ	6937.13	6938.40	423	460	606	No	183.61	6754.79
LC16M	Production Zone Monitor	HJ	6934.76	6936.38	410	467	1284	No	178.14	6758.24
LC20M	Underlying Monitor	UKM	6949.27	6950.64	511	543	14	Yes	202.36	6748.28
UKMP-102	Underlying Monitor	UKM	6940.87	6942.03	485	505	785	Yes	190.68	6751.35
UKMP-101	Underlying Monitor	UKM	6940.26	6941.75	540	572	815	No	192.13	6749.62
LC18M	Overlying Monitor	LFG	6948.43	6949.03	290	332	15	Yes	168.04	6780.99
LC25M	Overlying Monitor	LFG	6935.00	6936.52	316	369	697	No	167.05	6769.47

Table D6-9b 2007 LC16M Long Term Pump Test Monitor Wells (Page 1 of 4)

Well ID	Type Well	Completion Zone	Ground Surface Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Distance from Pumping Well (ft)	Same Side of Fault as Pumping Well?	Top Underreamed Zone (ft bgs)	Bottom Underreamed Zone (ft bgs)	Measurement Method <sup>1</sup>	Static Depth to Water (11/21/07) (ft bgs)	Static Water Level Elevation (11/21/07) (ft amsl)
LC16M	Pumping Well	HJ	6,934.73	6,936.15	0	Yes	410	467	Transducer	178.78	6,757.37
HJMP-101	Prod. Zone Monitoring Well	HJ	6,903.70	6,904.58	1,276	No	438	465	Hand Tag	181.10	6,723.48
HJMP-102	Prod. Zone Monitoring Well	HJ	6,934.15	6,936.15	1,996	No	405	435	Hand Tag	175.67	6,760.48
HJMP-103	Prod. Zone Monitoring Well	HJ	6,935.08	6,936.49	1,920	No	392	432	Hand Tag	170.60	6,765.89
HJMP-104	Prod. Zone Monitoring Well	HJ	6,939.04	6,941.04	1,666	No	402	430	Hand Tag	175.21	6,765.83
HJMP-105	Prod. Zone Monitoring Well	HJ	6,936.84	6,937.38	1,603	No	425	463	Hand Tag	170.85	6,766.53
HJMP-106	Prod. Zone Monitoring Well	HJ	6,940.20	6,941.29	1,452	No	430	480	Hand Tag	173.07	6,768.22
HJMP-107	Prod. Zone Monitoring Well	HJ	6,936.81	6,938.45	866	Yes	423	460	Transducer	183.94	6,754.51
HJMP-108	Prod. Zone Monitoring Well	HJ	6,951.12	6,952.20	1,186	No	400	434	Hand Tag	183.10	6,769.10
HJMP-109	Prod. Zone Monitoring Well	HJ	6,937.89	6,939.10	650	Yes	478	512	Hand Tag	185.25	6,753.85

Table D6-9b 2007 LC16M Long Term Pump Test Monitor Wells (Page 2 of 4)

Well ID	Type Well	Completion Zone	Ground Surface Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Distance from Pumping Well (ft)	Same Side of Fault as Pumping Well?	Top Underreamed Zone (ft bgs)	Bottom Underreamed Zone (ft bgs)	Measurement Method <sup>1</sup>	Static Depth to Water (11/21/07) (ft bgs)	Static Water Level Elevation (11/21/07) (ft amsl)
HJMP-110	Prod. Zone Monitoring Well	HJ	6,945.81	6,947.01	936	No	431	476	Transducer	177.44	6,769.57
HJMP-111	Prod. Zone Monitoring Well	HJ	6,948.99	6,949.49	896	No	393	440	Hand Tag	178.55	6,770.94
HJMP-112	Prod. Zone Monitoring Well	HJ	6,934.32	6,935.48	221	Yes	370	400	Hand Tag	178.24	6,757.24
HJMP-113	Prod. Zone Monitoring Well	HJ	6,935.26	6,937.26	276	Yes	416	462	Transducer	180.84	6,756.42
HJMP-114	Prod. Zone Monitoring Well	HJ	6,940.18	6,941.01	448	Yes	408	460	Transducer	180.37	6,760.64
HJT-101	Prod. Zone Monitoring Well	HJ	6,937.12	6,937.56	2,002	No	437	477	Hand Tag	176.04	6,761.52
HJT-102	Prod. Zone Monitoring Well	HJ	6,937.82	6,939.15	1,665	No	390	417	Hand Tag	173.55	6,765.60
HJT-103	Prod. Zone Monitoring Well	HJ	6,937.56	6,938.22	1,375	Yes	423	450	Hand Tag	190.28	6,747.94
HJT-104	Prod. Zone Monitoring Well	HJ	6,937.48	6,940.15	898	No	410	460	Transducer	172.08	6,768.07
HJT-105	Prod. Zone Monitoring Well	HJ	6,937.45	6,938.87	236	Yes	407	438	Transducer	171.68	6,767.19

Table D6-9b 2007 LC16M Long Term Pump Test Monitor Wells (Page 3 of 4)

Well ID	Type Well	Completion Zone	Ground Surface Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Distance from Pumping Well (ft)	Same Side of Fault as Pumping Well?	Top Underreamed Zone (ft bgs)	Bottom Underreamed Zone (ft bgs)	Measurement Method <sup>1</sup>	Static Depth to Water (11/21/07) (ft bgs)	Static Water Level Elevation (11/21/07) (ft amsl)
UKMO-101	Prod. Zone Monitoring Well	HJ	6,940.19	6,942.28	479	Yes	465	485	Transducer	179.00	6,763.28
UKMO-102	Prod. Zone Monitoring Well	HJ	6,940.24	6,940.79	466	No	377	408	Transducer	167.52	6,773.27
UKMO-103	Prod. Zone Monitoring Well	HJ	6,949.28	6,950.53	741	No	417	445	Transducer	176.02	6,774.51
HJMO-112	Overlying Monitoring Well	LFG	6,933.76	6,935.51	225	Yes	305	350	Hand Tag	157.29	6,778.22
HJMO-113	Overlying Monitoring Well	LFG	6,936.06	6,936.97	284	Yes	318	356	Hand Tag	159.63	6,777.34
HJMO-114	Overlying Monitoring Well	LFG	6,939.09	6,940.75	454	Yes	324	360	Hand Tag	161.60	6,779.15
LC15M	Overlying Monitoring Well	LFG	6,935.13	6,936.55	17	Yes	286	340	Transducer	157.94	6,778.61
HJMU-112	Underlying Monitoring Well	UKM	6,934.18	6,935.35	215	Yes	525	560	Hand Tag	184.81	6,750.54
HJMU-113	Underlying Monitoring Well	UKM	6,935.16	6,936.99	273	Yes	524	555	Hand Tag	187.48	6,749.51



Table D6-9b 2007 LC16M Long Term Pump Test Monitor Wells (Page 4 of 4)

Well ID	Type Well	Completion Zone	Ground Surface Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Distance from Pumping Well (ft)	Same Side of Fault as Pumping Well?	Top Underreamed Zone (ft bgs)	Bottom Underreamed Zone (ft bgs)	Measurement Method <sup>1</sup>	Static Depth to Water (11/21/07) (ft bgs)	Static Water Level Elevation (11/21/07) (ft amsl)
HJMU-114	Underlying Monitoring Well	UKM	6,939.10	6,940.43	440	Yes	525	553	Hand Tag	189.47	6,750.96
LC17M	Underlying Monitoring Well	UKM	6,935.32	6,936.90	22	Yes	529	565	Transducer	186.96	6,749.94
LC24M	Underlying Monitoring Well	UKM	6,942.33	6,944.33	383	No	478	531	Hand Tag	193.68	6,750.65
UKMP-101	Underlying Monitoring Well	UKM	6,940.18	6,941.74	473	Yes	540	572	Hand Tag	194.09	6,747.65
UKMP-102	Underlying Monitoring Well	UKM	6,940.51	6,942.10	475	No	485	505	Hand Tag	192.81	6,749.29

<sup>1</sup> Transducer - Continuous measurement with In-Situ vented LevelTROLL 300; Hand Tag-Periodic measurement with electronic water level meter

**Table D6-10a 2007 LC19M Long Term Pump Test Results**

Well ID	Type Well	Underreamed interval (feet)	Distance from pumping well (feet)	Same side of fault as pumping well?	Drawdown at End of Pumping	Transmissivity (ft <sup>2</sup> /d)				Hydraulic Conductivity (ft/d) <sup>1</sup>
						Theis	Theis Recovery	Average	Storage Coefficient	
LC19M	Pumping	51	0	Yes	93.3	-	56.7	56.7	-	0.47
HJT-104	Prod. Zone Monitor	50	501	Yes	40.5	30.0	56.9	43.5	9.60E-05	0.36
HJMP-104	Prod. Zone Monitor	25	638	Yes	36.5	61.3	56.8	59.1	6.60E-05	0.49
HJMP-110	Prod. Zone Monitor	45	338	Yes	40.5	66.4	63.0	64.7	1.30E-04	0.54
HJMP-111	Prod. Zone Monitor	45	470	Yes	35.6	69.8	64.1	67.0	9.10E-05	0.56
UKMO-102						75.5	76.9	76.2	1.50E-04	0.64
	Average	43	-	-	-	60.6	62.4	61.2	1.07E-04	0.51
HJMP-107	Prod. Zone Monitor	17	606	No	1.4	NA <sup>3</sup>	NA	NA	NA	NA
LC16M	Prod. Zone Monitor	57	1284	No	1.2	NA	NA	NA	NA	NA
LC20M	Underlying Monitor	32	14	Yes	-0.7	NA	NA	NA	NA	NA
UKMP-102	Underlying Monitor	20	785	Yes	1.2	NA	NA	NA	NA	NA
UKMP-101	Underlying Monitor	32	815	No	2.6 <sup>2</sup>	NA	NA	NA	NA	NA
LC18M	Overlying Monitor	42	15	Yes	1.1	NA	NA	NA	NA	NA
LC25M	Overlying Monitor	53	697	No	1.6	NA	NA	NA	NA	NA

<sup>1</sup> Hydraulic Conductivity Calculated from Average Transmissivity and Estimated Aquifer Thickness of 120 feet.

<sup>2</sup> Value shifted abruptly downward 2.7 feet between consecutive measure points one hour prior to end of test.

<sup>3</sup> NA - Not analyzed because of insufficient response

Table D6-10b 2007 LC16M Long Term Pump Test

Well ID	Type Well	Underreamed interval (feet)	Distance from pumping well (feet)	Same side of fault as pumping well?	Drawdown at End of Pumping	Transmissivity (ft <sup>2</sup> /d)				Hydraulic Conductivity (ft/d) <sup>1</sup>
						Theis	Theis Recovery	Average	Storage Coefficient	
LC16M	Pumping	57	Pumping well	Yes	69.3		58.9	58.9	-	4.9E-01
HJMP-107	Prod. Zone Monitor	17	866	Yes	27.4	71.8	56.7	64.3	3.5E-05	5.4E-01
HJMP-113	Prod. Zone Monitor	21	276	Yes	37.7	84.7	57.4	71.1	5.2E-05	5.9E-01
HJMP-114	Prod. Zone Monitor	42	448	Yes	30.0	83.8	60.9	72.4	6.4E-05	6.0E-01
HJT-105	Prod. Zone Monitor	31	236	Yes	17.5	110.0	90.9	100.5	9.1E-04	8.4E-01
UKMO-101	Prod. Zone Monitor	20	479	Yes	21.0	99.1	80.9	90.0	4.1E-04	7.5E-01
HJMP-110	Prod. Zone Monitor	45	936	No	1.9	NA <sup>2</sup>	NA	NA	NA	NA
HJT-104	Prod. Zone Monitor	50	898	No	3.0	NA	NA	NA	NA	NA
UKMO-102	Prod. Zone Monitor	31	466	No	1.6	NA	NA	NA	NA	NA
UKMO-103	Prod. Zone Monitor	28	741	No	1.3	NA	NA	NA	NA	NA
LC17M	Underlying Monitor	36	22	Yes	2.0	NA	NA	NA	NA	NA
LC15M	Overlying Monitor	54	17	Yes	1.0	NA	NA	NA	NA	NA

<sup>1</sup> Hydraulic Conductivity Calculated from Average Transmissivity Saturated thickness of Aquifer (HJ = 120 ft)

<sup>2</sup> NA - Not analyzed because of insufficient response

**Table D6-11 Summary of Aquifer Characteristics (Page 1 of 3)**

Hydrostratigraphic Unit	Thickness (feet) [typical]	Porosity <sup>1</sup>	Transmissivity (gallons per day/foot) <sup>2</sup>		Storativity		Horizontal Hydraulic Conductivity (feet/day) <sup>3</sup>		Vertical Hydraulic Conductivity <sup>4</sup> (centimeters per second)
			N of Fault <sup>5</sup>	S of Fault <sup>5</sup>	N of Fault	S of Fault	N of Fault	S of Fault	
DE	0 to 120 [40]	0.28	NM <sup>6</sup>	10 to 1100	NM	ND <sup>7</sup>	NM	0.03 to 3.7	- <sup>8</sup>
Upper No Name Shale	0 to 50 [5 to 15]	NA <sup>9</sup>	NA	NA	NA	NA	NA	NA	-
FG Horizon (includes LFG, MFG and UFG)	30 to 150 [50]	0.28	30 to 90	120 to 300	ND	ND	0.08 to 0.24	0.3 to 0.8	-
Lost Creek Shale	5 to 45 [10 to 25]	NA	NA	NA	NA	NA	NA	NA	5.4E-05 to 5.6E-06
HJ Horizon (includes LHJ, MHJ and UHJ)	100 to 160 [120]	0.28	220 to 2700	365 to 1820	6.6E-05 to 1.5E-04	3.5E-05 to 9.1E-04	0.2 to 3.0	0.4 to 2.0	-
Sage Brush Shale	5 to 75 [20 to 30]	NA	NA	NA	NA	NA	NA	NA	3.1E-07 to 1.4E-06
UKM	20 to 75 [50]	0.28	520 to 860	195 to 700	ND	ND	1.4 to 2.3	0.5 to 1.9	-

**Table D6-11 Summary of Aquifer Characteristics (Page 2 of 3)**

Hydrostratigraphic Unit	Horizontal Hydraulic Gradient (foot/foot) [Direction]		Vertical Hydraulic Gradient (relative to overlying aquifer)		Groundwater Velocity (feet/year)		Hydraulic Communication	
	N of Fault	S of Fault	N of Fault	S of Fault	N of Fault	S of Fault	With Overlying	With Underlying
DE	0.007 [WSW]	0.007 [WSW]	-	-	NM	0.27-33.7	No overlying exists	NT <sup>10</sup>
Upper No Name Shale	NA	NA	NA	NA	NA	NA	NA	NA
FG Horizon (includes LFG, MFG and UFG)	0.005 [WSW]	0.007 [WSW]	-0.04 to 0.28	0.0 to 0.04	0.5 to 1.6	2.7 to 7.3	NT	Yes-minor
Lost Creek Shale	NA	NA	NA	NA	NA	NA	NA	NA
HJ Horizon (includes LHJ, MHJ and UHJ)	0.005 [WSW]	0.006 [WSW]	0.02 to 0.13	-0.02 to 0.37	1.3 to 19.6	3.1 to 15.6	Yes-minor	Yes-minor
Sage Brush Shale	NA	NA	NA	NA	NA	NA	NA	NA
UKM	0.005 [WSW]	0.006 [WSW]	0.05 to 0.26	0.05 to 0.19	9.1 to 15.0	3.9 to 14.9	Yes-minor	ND

**Table D6-11 Summary of Aquifer Characteristics (Page 3 of 3)**

Hydrostratigraphic Unit	Representative Values							
	Transmissivity (gallons per day/foot <sup>2</sup> )		Hydraulic Conductivity (feet/day)		Hydraulic Gradient (foot/foot)		Groundwater Velocity (feet/year) <sup>11</sup>	
	N of Fault	S of Fault	N of Fault	S of Fault	N of Fault	S of Fault	N of Fault	S of Fault
DE	-	550	-	1.8	0.007	0.007	-	16.8
FG Horizon	60	210	0.16	0.56	0.005	0.007	1.0	5.1
HJ Horizon	474	570	0.53	0.64	0.005	0.006	3.4	5.0
UKM	690	450	1.84	1.20	0.005	0.006	12.0	9.4

<sup>1</sup> Specific yield not determined because all aquifers except DE are confined systems.

<sup>2</sup> Transmissivity is "effective" -influenced by fault, actual transmissivity may be up to 2 X greater.

<sup>3</sup> Hydraulic conductivity is "effective" - influenced by fault, actual hydraulic conductivity may be up to 2 X greater.

<sup>4</sup> Determined from constant head permeability tests.

<sup>5</sup> Fault is minor and may not extend across entire permit area:

For this tabulation, it is assumed that Well LC27M (UKM) is north of the fault, and Wells LC31M (DE), LCM30 (DE), LC22M (HJ), LC28M (UKM), LC23M (UKM) and LC21M (LFG) are located south of the fault.

<sup>6</sup> NM -No monitor wells completed in this unit on this side of fault.

<sup>7</sup> ND - Not Determined - all pump tests in this aquifer were single well tests.

<sup>8</sup> Dash (-) indicates no data available.

<sup>9</sup> NA - Not an aquifer, no wells completed in this unit.

<sup>10</sup> NT - No overlying/underlying wells measured during pump tests in the DE and LFG.

<sup>11</sup> Groundwater velocity under static, nonpumping conditions.

Table D6-12a Groundwater Use Permits within 0.5 Mile Radius - Wyoming State Engineer Records December 2008 (Page 1 of 6)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
1	Well	P9742W	Kennecott Uranium Company	24 N	94 W	34	NENE	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1	25	170	104
1a	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	12	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1b	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	13	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1c	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	14	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1d	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	23	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1e	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	24	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1f	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	25	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1g	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	26	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1h	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	35	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1i	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	36	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
2	Well	P13834P	USDI BLM, Rawlins District	25 N	92 W	21	NENW	Stock	9/21/1968	Good Standing	Battle Spring Draw Well No. 4451	19	900	104
2a	Use Point	P13834P	USDI BLM, Rawlins District	25 N	92 W	21	NENW	Stock	9/21/1968	Good Standing	Battle Spring Draw Well No. 4451			
3	Well	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3a	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3b	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3c	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3d	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3e	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3f	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3g	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3h	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			

**Table D6-12a Groundwater Use Permits within 0.5 Mile Radius - Wyoming State Engineer Records December 2008 (Page 2 of 6)**

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
3i	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3j	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3k	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3l	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3m	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3n	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3o	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3p	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3q	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3r	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3s	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3t	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3u	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3v	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3w	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3x	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			



**Table D6-12a Groundwater Use Permits within 0.5 Mile Radius - Wyoming State Engineer Records December 2008 (Page 3 of 6)**

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
3y	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3z	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3aa	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3ab	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3ac	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3ad	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3ae	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
3af	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4	Well	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENW	Miscellaneous	5/5/1977	Cancelled	TE 38	25	380	220
4a	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4b	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4c	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4d	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4e	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4f	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4g	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4h	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSW	Miscellaneous	5/5/1977	Cancelled	TE 38			
4i	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESW	Miscellaneous	5/5/1977	Cancelled	TE 38			
4j	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4k	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4l	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESW	Miscellaneous	5/5/1977	Cancelled	TE 38			
4m	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSW	Miscellaneous	5/5/1977	Cancelled	TE 38			
4n	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4o	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			

Table D6-12a Groundwater Use Permits within 0.5 Mile Radius - Wyoming State Engineer Records December 2008 (Page 4 of 6)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
4p	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4q	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4r	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4s	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4t	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4u	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4v	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4w	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4x	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4y	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4z	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4aa	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4ab	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4ac	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4ad	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4ae	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
4af	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
5	Well	P39744W	USDI, BLM -- Apexco Inc.	25 N	93 W	22	SWNE	Miscellaneous	8/26/1977	Cancelled	Battle Springs No. 1	25	640	60
5a	Use Point	P39744W	USDI, BLM -- Apexco Inc.	25 N	93 W	22	SWNE	Miscellaneous	8/26/1977	Cancelled	Battle Springs No. 1			
6	Well	P55112W	USDI BLM, Rawlins District	25 N	92 W	10	SESE	Stock	12/24/1980	Good Standing	Boundary	5	280	155
6a	Use Point	P55112W	USDI BLM, Rawlins District	25 N	92 W	10	SESE	Stock	12/24/1980	Good Standing	Boundary			
6b	Well	P55113W	USDI BLM, Rawlins District	25 N	92 W	30	NWSE	Stock	12/24/1980	Good Standing	Battle Springs	5	220	109
6c	Use Point	P55113W	USDI BLM, Rawlins District	25 N	92 W	30	NWSE	Stock	12/24/1980	Good Standing	Battle Springs			
7	Well	P61528W	Texasgulf Inc.	25 N	92 W	20	NWNE	Monitoring	6/11/1982	Abandoned	M25 92 20 1S	0	355	155.8
7a	Use Point	P61528W	Texasgulf Inc.	25 N	92 W	20	NWNE	Monitoring	6/11/1982	Abandoned	M25 92 20 1S			
8	Well	P61529W	Texasgulf Inc.	25 N	92 W	20	NWNE	Monitoring	6/11/1982	Abandoned	M25 92 20 1M	0	440	173.8
8a	Use Point	P61529W	Texasgulf Inc.	25 N	92 W	20	NWNE	Monitoring	6/11/1982	Abandoned	M25 92 20 1M			
9	Well	P61530W	Texasgulf Inc.	25 N	92 W	20	NWNE	Monitoring	6/11/1982	Abandoned	M25 92 20 1D	0	534	181.2
9a	Use Point	P61530W	Texasgulf Inc.	25 N	92 W	20	NWNE	Monitoring	6/11/1982	Abandoned	M25 92 20 1D			
10	Well	P61531W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 3M	0	460	176.5
10a	Use Point	P61531W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 3M			

Lost Creek Project  
WDEQ-LQD Permit to Mine Application  
Original Dec07; Rev3 Apr09

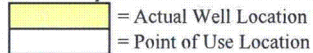
Table D6-12a Groundwater Use Permits within 0.5 Mile Radius - Wyoming State Engineer Records December 2008 (Page 5 of 6)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
11	Well	P61532W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 2M	0	460	175.9
11a	Use Point	P61532W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 2M			
12	Well	P61533W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 1M	0	460	174.4
12a	Use Point	P61533W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 1M			
13	Well	P61534W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 19 18 1M	0	465	166.7
13a	Use Point	P61534W	Texasgulf Inc.	25 N	92 W	18	SWSE	Monitoring	6/11/1982	Abandoned	M25 19 18 1M			
14	Well	P61535W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 19 18 1S	0	355	159.5
14a	Use Point	P61535W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 19 18 1S			
15	Well	P61536W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 92 18 1D	0	615	195.7
15a	Use Point	P61536W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 92 18 1D			
16	Well	P61537W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1S	0	340	170.53
16a	Use Point	P61537W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1S			
17	Well	P61538W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1M	0	480	182.7
17a	Use Point	P61538W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1M			
18	Well	P61539W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1D	0	529	204.5
18a	Use Point	P61539W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1D			
19	Well	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENW	Miscellaneous	8/10/1984	Cancelled	TE 38	25	380	220
19a	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19b	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19c	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19d	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19e	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19f	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19g	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESW	Miscellaneous	8/10/1984	Cancelled	TE 38			
19h	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19i	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19j	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESW	Miscellaneous	8/10/1984	Cancelled	TE 38			
19k	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSW	Miscellaneous	8/10/1984	Cancelled	TE 38			
19l	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSW	Miscellaneous	8/10/1984	Cancelled	TE 38			
19m	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			

**Table D6-12a Groundwater Use Permits within 0.5 Mile Radius - Wyoming State Engineer Records December 2008 (Page 6 of 6)**

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
19n	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19o	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19p	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19q	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19r	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19s	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19t	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19u	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19v	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19w	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19x	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19y	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNW	Miscellaneous	8/10/1984	Cancelled	TE 38			
19z	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNW	Miscellaneous	8/10/1984	Cancelled	TE 38			
19aa	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19ab	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19ac	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENW	Miscellaneous	8/10/1984	Cancelled	TE 38			
19ad	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19ae	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
19af	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
20	Well	<sup>5</sup>	USDI BLM, Rawlins District	25 N	93 W	13	NWNW	Stock			East Eagle Nest Draw Well	5	370	269

<sup>1</sup> Each number represents a well. Well locations are shown on Plate D6-1a. A number followed by a letter(s) is a point of use related to the well.



<sup>2</sup> USDI BLM = United States Department of Interior's Bureau of Land Management; WSBLC = Wyoming State Board of Land Commissioners.

<sup>3</sup> INP = Information not provided by the online WSEO database.

<sup>4</sup> LCS = Part of the on-going Lost Creek Project study. Information will be provided when it becomes available.

<sup>5</sup> This well does not currently have an associated WSEO permit number.

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 1 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
1	Well	P9742W	Kennecott Uranium Company	24 N	94 W	34	NENE	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1	25	170	104
1a	Use Point	P9742W	Kennecott Uranium Company	24 N	92 W	5	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1b	Use Point	P9742W	Kennecott Uranium Company	24 N	92 W	6	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1c	Use Point	P9742W	Kennecott Uranium Company	24 N	92 W	7	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1d	Use Point	P9742W	Kennecott Uranium Company	24 N	93 W	1	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1e	Use Point	P9742W	Kennecott Uranium Company	24 N	93 W	2	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1f	Use Point	P9742W	Kennecott Uranium Company	24 N	93 W	3	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1g	Use Point	P9742W	Kennecott Uranium Company	24 N	93 W	11	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1h	Use Point	P9742W	Kennecott Uranium Company	24 N	93 W	12	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1i	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	1	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1j	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	2	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1k	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	3	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1l	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	10	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1m	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	11	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1n	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	12	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1o	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	13	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1p	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	14	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1q	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	15	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1r	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	22	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1s	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	23	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1t	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	24	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1u	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	25	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1v	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	26	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1w	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	27	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1x	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	34	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1y	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	35	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
1z	Use Point	P9742W	Kennecott Uranium Company	25 N	93 W	36	INP	Stock, Industrial	7/15/1971	Adjudicated	J E S No. 1			
2	Well	P13834P	USDI BLM, Rawlins District	25 N	92 W	21	NENW	Stock	9/21/1968	Good Standing	Battle Spring Draw Well No. 4451	19	900	104
2a	Use Point	P13834P	USDI BLM, Rawlins District	25 N	92 W	21	NENW	Stock	9/21/1968	Good Standing	Battle Spring Draw Well No. 4451			

**Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 2 of 14)**

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
2b	Well	P34388W	USDI, BLM -- Minerals Exploration Co.	24 N	93 W	10	SESW	Industrial	7/26/1976	Cancelled	RDW 1	300	340	101
2c	Well	P34389W	USDI, BLM -- Minerals Exploration Co.	24 N	93 W	10	SESW	Monitoring	7/26/1976	Cancelled	RDW-2	INP	INP	INP
2d	Well	P34390W	USDI, BLM -- Minerals Exploration Co.	24 N	93 W	10	SWSW	Monitoring	7/26/1977	Cancelled	RDW-3	INP	INP	INP
2e	Well	P34391W	USDI, BLM -- Minerals Exploration Co.	24 N	93 W	10	SWSW	Monitoring	7/26/1976	Cancelled	RDW-4	INP	INP	INP
3	Well	P34708W	USDI, BLM -- Minerals Exploration Co.	24 N	93 W	10	SESW	Monitoring	8/16/1976	Cancelled	RDW-5	INP	INP	INP
3a	Use Point	P34708W	USDI, BLM -- Minerals Exploration Co.	24 N	93 W	10	SESW	Monitoring	8/16/1976	Cancelled	RDW-5			
4	Well	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24	INP	INP	INP
4a	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4b	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4c	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4d	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4e	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4f	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4g	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4h	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4i	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4j	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4k	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4l	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4m	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4n	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4o	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4p	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4q	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4r	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4s	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4t	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4u	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 3 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
4v	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4w	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4x	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4y	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4z	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4aa	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ab	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ac	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ad	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ae	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4af	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ag	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ah	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ai	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4aj	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4ak	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4al	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENW	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4am	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
4an	Use Point	P35721W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNE	Stock, Miscellaneous	12/8/1976	Abandoned	TE 24			
5	Well	P35772W	USDI BLM, Rawlins District -- Minerals Exploration Co.	24 N	93 W	9	NESE	Miscellaneous	11/24/1976	Cancelled	RDW - 8	INP	INP	INP
5a	Use Point	P35772W	USDI BLM, Rawlins District -- Minerals Exploration Co.	24 N	93 W	9	NESE	Miscellaneous	11/24/1976	Cancelled	RDW - 8			
6	Well	P35773W	USDI BLM, Rawlins District -- Minerals Exploration Co.	24 N	93 W	9	NESE	Monitoring	11/24/1976	Abandoned	RDW - 6	0	452	60
6a	Use Point	P35773W	USDI BLM, Rawlins District -- Minerals Exploration Co.	24 N	93 W	9	NESE	Monitoring	11/24/1976	Abandoned	RDW - 6			
7	Well	P35774W	USDI BLM, Rawlins District -- Minerals Exploration Co.	24 N	93 W	10	SWSW	Industrial	11/24/1976	Abandoned	RDW - 7	Unkno wn	450	60
7a	Use Point	P35774W	USDI BLM, Rawlins District -- Minerals Exploration Co.	24 N	93 W	10	SWSW	Industrial	11/24/1976	Abandoned	RDW - 7			
8	Well	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENW	Miscellaneous	5/5/1977	Cancelled	TE 38	25	380	220
8a	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8b	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SESE	Miscellaneous	5/5/1977	Cancelled	TE 38			

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 4 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
8c	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8d	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8e	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8f	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8g	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8h	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8i	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8j	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8k	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8l	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8m	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8n	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8o	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8p	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8q	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8r	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8s	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8t	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8u	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8v	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8w	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8x	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8y	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8z	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8aa	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ab	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ac	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ad	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ae	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8af	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ag	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ah	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ai	Use Point	P37637W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNW	Miscellaneous	5/5/1977	Cancelled	TE 38			



Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 5 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
8aj	Use Point	P37637W	USDI, BLM – Texasgulf Inc.	25 N	93 W	24	SWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8ak	Use Point	P37637W	USDI, BLM – Texasgulf Inc.	25 N	93 W	24	SENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8al	Use Point	P37637W	USDI, BLM – Texasgulf Inc.	25 N	93 W	24	NENW	Miscellaneous	5/5/1977	Cancelled	TE 38			
8am	Use Point	P37637W	USDI, BLM – Texasgulf Inc.	25 N	93 W	24	NENE	Miscellaneous	5/5/1977	Cancelled	TE 38			
8an	Use Point	P37637W	USDI, BLM – Texasgulf Inc.	25 N	93 W	24	NWNE	Miscellaneous	5/5/1977	Cancelled	TE 38			
9	Well	P39744W	USDI, BLM -- Apexco Inc.	25 N	93 W	22	SWNE	Miscellaneous	8/26/1977	Cancelled	Battle Springs No. 1	25	640	60
9a	Use Point	P39744W	USDI, BLM -- Apexco Inc.	25 N	93 W	22	SWNE	Miscellaneous	8/26/1977	Cancelled	Battle Springs No. 1			
10	Well	P41699W	Kennecott Uranium Company	24 N	93 W	10	NESW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CA-DW1	400	600	106.83
11	Well	P41700W	Kennecott Uranium Company	24 N	93 W	10	NESW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CA-DW2	400	600	118.4
12	Well	P41701W	Kennecott Uranium Company	24 N	93 W	10	NESW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CA-DW3	400	620	111.7
13	Well	P41702W	Kennecott Uranium Company	24 N	93 W	10	NESW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CA-DW4	400	620	113.8
14	Well	P41703W	Kennecott Uranium Company	24 N	93 W	10	NWSW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CB-DW5	400	600	119
15	Well	P41704W	Kennecott Uranium Company	24 N	93 W	10	NWSW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CB-DW6	400	600	117.5
16	Well	P41705W	Kennecott Uranium Company	24 N	93 W	10	NWSW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CB-DW7	400	600	116.8
17	Well	P41706W	Kennecott Uranium Company	24 N	93 W	10	SWSW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CC-DW18	100	201	100
18	Well	P41707W	Kennecott Uranium Company	24 N	93 W	9	SESE	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W9DD-DW9	400	600	113.1

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 6 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
19	Well	P41708W	Kennecott Uranium Company	24 N	93 W	10	SWSW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-9310CC-DW19	100	250	100
20	Well	P41709W	Kennecott Uranium Company	24 N	93 W	9	SESE	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-939DD-DW28	300	600	152
21	Well	P41710W	Kennecott Uranium Company	24 N	93 W	9	SESE	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93DD-DW29	179	465	179
22	Well	P41711W	Kennecott Uranium Company	24 N	93 W	10	SWSW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W15BB-DW13	400	600	103.5
23	Well	P41712W	Kennecott Uranium Company	24 N	93 W	10	SWSW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W15BB-DW14	400	600	105.8
24	Well	P41713W	Kennecott Uranium Company	24 N	93 W	10	SESW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CD-DW15	400	600	101.1
25	Well	P41714W	Kennecott Uranium Company	24 N	93 W	10	SESW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CD-DW16	400	600	101
26	Well	P41715W	Kennecott Uranium Company	24 N	93 W	10	SESW	Reservoir Supply, Industrial, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CD-DW17	400	600	103.3
27	Well	P41716W	Kennecott Uranium Company	24 N	93 W	10	SWSW	Dewatering, Reservoir Supply, Miscellaneous	7/28/1977	Unadjudicated	24-93W10CC-S1	300	16	2
28	Well	P47137W	Kennecott Uranium Company	24 N	93 W	10	NWNW	Reservoir Supply, Stock, Miscellaneous	12/7/1977	Unadjudicated	Blue No. 5	INP	INP	INP
28a	Use Point	P47137W	Kennecott Uranium Company	24 N	93 W	3	SWSW	Reservoir Supply, Stock, Miscellaneous	12/7/1977	Unadjudicated	Blue No. 5			
28b	Use Point	P47137W	Kennecott Uranium Company	24 N	93 W	3	SESW	Reservoir Supply, Stock, Miscellaneous	12/7/1977	Unadjudicated	Blue No. 5			

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 7 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
29	Well	P48386W	Kennecott Uranium Company	24 N	93 W	3	SWNE	Monitoring, Dewatering, Miscellaneous	5/31/1979	Unadjudicated	24-93W-3AC-M-1	0	450	135.8
30	Well	P53849W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SESE	Dewatering, Industrial, Miscellaneous	9/4/1980	Unadjudicated	24 93 9DD - DW 30	250	460	170
31	Well	P54883W	Kennecott Uranium Company - WSBLC	24 N	93 W	16	NWNE	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW31	190	600	152
31a	Use Point	P54883W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 31			
31b	Use Point	P54883W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 31			
32	Well	P54884W	Kennecott Uranium Company - WSBLC	24 N	93 W	16	NENE	Dewatering, Industrial, Miscellaneous	11/24/1980	Unadjudicated	DW 32	200	600	147
32a	Use Point	P54884W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Unadjudicated	DW 32			
32b	Use Point	P54884W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Unadjudicated	DW 32			
33	Well	P54885W	Kennecott Uranium Company - WSBLC	24 N	93 W	16	NENE	Dewatering, Industrial, Miscellaneous	11/24/1980	Unadjudicated	DW 33	190	560	141
33a	Use Point	P54885W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Unadjudicated	DW 33			
33b	Use Point	P54885W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Unadjudicated	DW 33			

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 8 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
34	Well	P54886W	Kennecott Uranium Company - WSBLC	24 N	93 W	16	NENE	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 34	200	450	140
34a	Use Point	P54886W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 34			
34b	Use Point	P54886W	Kennecott Uranium Company - WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 34			
35	Well	P54887W	Minerals Exploration Company -- WSBLC	24 N	93 W	15	SWNW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 35	INP	INP	INP
35a	Use Point	P54887W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 35			
35b	Use Point	P54887W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 35			
36	Well	P54888W	Minerals Exploration Company -- WSBLC	24 N	93 W	15	SWNW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 36	INP	INP	INP
36a	Use Point	P54888W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 36			
36b	Use Point	P54888W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 36			
37	Well	P54889W	Minerals Exploration Company -- WSBLC	24 N	93 W	15	NWNW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 37	INP	INP	INP
37a	Use Point	P54889W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 37			

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 9 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
37b	Use Point	P54889W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 37			
38	Well	P54890W	Minerals Exploration Company -- WSBLC	24 N	93 W	15	NWNW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 38	INP	INP	INP
38a	Use Point	P54890W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 38			
38b	Use Point	P54890W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Cancelled	DW 38			
39	Well	P54891W	USDI BLM -- Kennecott Uranium Company	24 N	93 W	15	NWNW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 39	200	600	169
39a	Use Point	P54891W	USDI BLM -- Kennecott Uranium Company	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 39			
39b	Use Point	P54891W	USDI BLM -- Kennecott Uranium Company	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 39			
40	Well	P54892W	USDI BLM -- Kennecott Uranium Company	24 N	93 W	15	NWNW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 40	200	600	155
40a	Use Point	P54892W	USDI BLM -- Kennecott Uranium Company	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 40			
40b	Use Point	P54892W	USDI BLM -- Kennecott Uranium Company	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 40			
41	Well	P54893W	Kennecott Uranium Company - WSBLC	24 N	93 W	16	NENE	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 41	190	600	157

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 10 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
41a	Use Point	P54893W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 41			
41b	Use Point	P54893W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 41			
42	Well	P54894W	Kennecott Uranium Company - WSBLC	24 N	93 W	16	NENE	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 42	200	600	166
42a	Use Point	P54894W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SWSW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 42			
42b	Use Point	P54894W	Minerals Exploration Company -- WSBLC	24 N	93 W	11	SESW	Dewatering, Industrial, Miscellaneous	11/24/1980	Good Standing	DW 42			
43	Well	P54896W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	NESE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DA-DW20	200	575	178
44	Well	P54897W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	NESE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DA-DW21	200	580	170
45	Well	P54898W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SESE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DA-DW22	150	480	159
46	Well	P54899W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SESE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DA-DW23	150	525	154
47	Well	P54900W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SWSE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DC-DW24	150	540	151
48	Well	P54901W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SWSE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DD-DW25	150	660	145

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 11 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
49	Well	P54902W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SESE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DD-DW26	150	560	159
50	Well	P54903W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SESE	Dewatering, Industrial, Miscellaneous	6/11/1980	Unadjudicated	24 93 9 DD-DW27	200	600	164
51	Well	P55112W	USDI BLM, Rawlins District	25 N	92 W	10	SESE	Stock	12/24/1980	Good Standing	Boundary	5	280	155
51a	Use Point	P55112W	USDI BLM, Rawlins District	25 N	92 W	10	SESE	Stock	12/24/1980	Good Standing	Boundary			
52	Well	P55113W	USDI BLM, Rawlins District	25 N	92 W	30	NWSE	Stock	12/24/1980	Good Standing	Battle Springs	5	220	109
52a	Use Point	P55113W	USDI BLM, Rawlins District	25 N	92 W	30	NWSE	Stock	12/24/1980	Good Standing	Battle Springs			
53	Well	P55114W	BLM - Rawlins District	25 N	92 W	35	SENE	Stock	12/24/1980	Good Standing	Sooner	5	320	237
54	Well	P60051W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	SESW	Monitoring	2/20/1982	Good Standing	PH1	0	350	100
55	Well	P60052W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	NESW	Monitoring	2/20/1982	Good Standing	PH2	0	350	100
56	Well	P60053W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	NESW	Monitoring	2/20/1982	Good Standing	PH3	0	350	100
57	Well	P60054W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	NWSW	Monitoring	2/20/1982	Good Standing	PH4	0	350	100
58	Well	P60055W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	NWSW	Monitoring	2/20/1982	Good Standing	PH5	0	350	100
59	Well	P60056W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	NWSW	Monitoring	2/20/1982	Good Standing	PH6	0	350	100
60	Well	P60057W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SWSE	Monitoring	2/20/1982	Good Standing	PH7	0	350	100
61	Well	P60058W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SWSE	Monitoring	2/20/1982	Good Standing	PH8	0	350	100
62	Well	P60059W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	9	SWSE	Monitoring	2/20/1982	Good Standing	PH9	0	350	100
63	Well	P61528W	Texasgulf Inc.	25 N	92 W	20	NWNW	Monitoring	6/11/1982	Abandoned	M25 92 20 1S	0	355	155.8
63a	Use Point	P61528W	Texasgulf Inc.	25 N	92 W	20	NWNW	Monitoring	6/11/1982	Abandoned	M25 92 20 1S			
64	Well	P61529W	Texasgulf Inc.	25 N	92 W	20	NWNW	Monitoring	6/11/1982	Abandoned	M25 92 20 1M	0	440	173.8
64a	Use Point	P61529W	Texasgulf Inc.	25 N	92 W	20	NWNW	Monitoring	6/11/1982	Abandoned	M25 92 20 1M			
65	Well	P61530W	Texasgulf Inc.	25 N	92 W	20	NWNW	Monitoring	6/11/1982	Abandoned	M25 92 20 1D	0	534	181.2
65a	Use Point	P61530W	Texasgulf Inc.	25 N	92 W	20	NWNW	Monitoring	6/11/1982	Abandoned	M25 92 20 1D			

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 12 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
66	Well	P61531W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 3M	0	460	176.5
66a	Use Point	P61531W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 3M			
67	Well	P61532W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 2M	0	460	175.9
67a	Use Point	P61532W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 2M			
68	Well	P61533W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 1M	0	460	174.4
68a	Use Point	P61533W	Texasgulf Inc.	25 N	92 W	19	NENE	Monitoring	6/11/1982	Abandoned	M25 92 19 1M			
69	Well	P61534W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 19 18 1M	0	465	166.7
69a	Use Point	P61534W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 19 18 1M			
70	Well	P61535W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 19 18 1S	0	355	159.5
70a	Use Point	P61535W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 19 18 1S			
71	Well	P61536W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 92 18 1D	0	615	195.7
71a	Use Point	P61536W	Texasgulf Inc.	25 N	92 W	18	SESE	Monitoring	6/11/1982	Abandoned	M25 92 18 1D			
72	Well	P61537W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1S	0	340	170.53
72a	Use Point	P61537W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1S			
73	Well	P61538W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1M	0	480	182.7
73a	Use Point	P61538W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1M			
74	Well	P61539W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1D	0	529	204.5
74a	Use Point	P61539W	Texasgulf Inc.	25 N	92 W	17	SESW	Monitoring	6/11/1982	Abandoned	M25 92 17 1D			
75	Well	P63128W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	11	SWSW	Monitoring	1/28/1983	Good Standing	TMW-14	0	INP	INP
75a	Use Point	P63128W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	11	SWSW	Monitoring	1/28/1983	Good Standing	TMW-14			
76	Well	P66110W	Kennecott Uranium Company	24 N	93 W	9	NENW	Monitoring	12/8/1983	Good Standing	BRE 944	0	185	109
77	Well	P66111W	USDI, BLM -- Minerals Exploration Company	24 N	93 W	5	NESE	Monitoring	12/8/1983	Cancelled	REB 1390			
77a	Use Point	P66111W	USDI, BLM -- Minerals Exploration Company	24 N	93 W	5	NESE	Monitoring	12/8/1983	Cancelled	REB 1390			
78	Well	P66112W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	SWSW	Monitoring	12/8/1983	Abandoned & Cancelled	PH 13	0	210	100
79	Well	P66113W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	SWSW	Monitoring	12/8/1983	Abandoned & Cancelled	PH 12	0	140	100
80	Well	P66114W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	SWSW	Monitoring	12/8/1983	Abandoned & Cancelled	PH 11	0	140	100



Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 13 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
81	Well	P66115W	USDI, BLM -- Kennecott Uranium Company	24 N	93 W	10	SWSW	Monitoring	12/8/1983	Abandoned & Cancelled	PH 10	0	210	100
82	Well	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENW	Miscellaneous	8/10/1984	Cancelled	TE 38	25	380	220
82a	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82b	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82c	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	NWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82d	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	12	SWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82e	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82f	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82g	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SESW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82h	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82i	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82j	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NESW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82k	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWSW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82l	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWSW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82m	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82n	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82o	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82p	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	13	NENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82q	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82r	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82s	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82t	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SWSW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82u	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	SESW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82v	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82w	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NESW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82x	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	14	NWSW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82y	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82z	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82aa	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82ab	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82ac	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82ad	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NENE	Miscellaneous	8/10/1984	Cancelled	TE 38			

Table D6-12b Groundwater Use Permits within a 3-Mile Radius - Wyoming State Engineer Records December 2008 (Page 14 of 14)

ID <sup>1</sup>	Well or Use Point	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼ <sup>3</sup>	Uses	Priority	Status	Permit Facility Name	Yield <sup>4</sup> (gpm)	Well Depth (ft)	Static Well Depth (ft)
82ae	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	NWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82af	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	23	SWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82ag	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82ah	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNW	Miscellaneous	8/10/1984	Cancelled	TE 38			
82ai	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82aj	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82ak	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82al	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NENE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82am	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	NWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
82an	Use Point	P68449W	USDI, BLM -- Texasgulf Inc.	25 N	93 W	24	SWNE	Miscellaneous	8/10/1984	Cancelled	TE 38			
83	Well	P95601W	Kennecott Uranium Company	24 N	93 W	9	NESE	Monitoring	5/31/1994	Good Standing	RDW-8	0	450	60
84	Well	P97709W	Kennecott Uranium Company	24 N	93 W	10	SWSW	Miscellaneous, Reservoir Supply	2/8/1994	Unadjudicated	SWEETWATER PIT #1	130	225	113.6
84a	Use Point	P97709W	Kennecott Uranium Company	24 N	93 W	10	SWSW	Miscellaneous, Reservoir Supply	2/8/1994	Unadjudicated	SWEETWATER PIT #1	130	225	113.6
84b	Use Point	P97709W	Kennecott Uranium Company	24 N	93 W	10	NWSW	Miscellaneous, Reservoir Supply	2/8/1994	Unadjudicated	SWEETWATER PIT #1	130	225	113.6
84c	Use Point	P97709W	Kennecott Uranium Company	24 N	93 W	9	NESE	Miscellaneous, Reservoir Supply	2/8/1994	Unadjudicated	SWEETWATER PIT #1	130	225	113.6
85	Well	P147594W	Kennecott Uranium Company	24 N	93 W	1	SWNE	Monitoring	10/22/2002	Good Standing	TMW-90	INP	55	36.13
86	Well	P147595W	Kennecott Uranium Company	24 N	93 W	1	SENE	Monitoring	10/22/2002	Good Standing	TMW-91	INP	110	100.17
87	Well	<sup>5</sup>	USDI BLM, Rawlins District	25 N	93 W	13	NWNW	Stock			East Eagle Nest Draw Well	5	370	269

<sup>1</sup> Each number represents a well. Well locations are shown on Plate D6-1b. A number followed by a letter(s) is a point of use related to the well.

= Well within three miles of the Permit Area.  
 = Point of use within three miles of the Permit Area.

<sup>2</sup> USDI BLM = United States Department of Interior's Bureau of Land Management; WSBLC = Wyoming State Board of Land Commissioners

<sup>3</sup> INP = Information not provided by the online WSEO database.

<sup>4</sup> LCS = Part of the on-going Lost Creek Project study. Information will be provided when it becomes available.

<sup>5</sup> This well does not currently have an associated WSEO permit number.

Table D6-13 LC ISR, LLC Affiliates Groundwater Use Permits - Wyoming State Engineer Records December 2008 (Page 1 of 8)

Well or Use Point <sup>1</sup>	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield <sup>3</sup>	Well Depth (ft)	Static Well Depth (ft)
<i>Lost Creek Project Monitoring Wells (Listed by "Permit Facility Name" in same order as in Table D6-5 and Attachment D6-3. Well locations shown on Figure D6-9.)</i>													
<i>DE Horizon</i>													
Well	P179861W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJT 106	LCS	LCS	LCS
Well	P179862W	NFU Wyoming LLC	25 N	92 W	20	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJT 107	LCS	LCS	LCS
Well	P175260W	NFU Wyoming LLC and BLM	25 N	92 W	20	NWNW	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC29M	LCS	171	153.95
Well	P175262W	NFU Wyoming LLC and BLM	25 N	93 W	24	SWNE	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC30M	LCS	236	198.91
Well	P175268W	NFU Wyoming LLC and BLM	25 N	93 W	25	SWSW	Monitoring	6/9/2006	Good Standing Incomplete	LC31M	LCS	191	144.01
Well	41/9/283W	Lost Creek ISR LLC	25 N	93 W	13	NWSE	Monitoring	9/26/2008	Unadjudicated	MB-01	LCS	LCS	LCS
Well	41/5/284W	Lost Creek ISR LLC	25 N	92 W	16	SENE	Monitoring	9/26/2008	Unadjudicated	MB-07	LCS	LCS	LCS
Well	41/8/284W	Lost Creek ISR LLC	25 N	92 W	18	SESE	Monitoring	9/26/2008	Unadjudicated	MB-10	LCS	LCS	LCS
<i>FG Horizon</i>													
Well	P179865W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-101	LCS	LCS	LCS
Well	P179868W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-102	LCS	LCS	LCS
Well	P179871W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-103	LCS	LCS	LCS
Well	P179874W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-104	LCS	LCS	LCS
Well	P179877W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-105	LCS	LCS	LCS
Well	P179880W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-106	LCS	LCS	LCS
Well	P179883W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-107	LCS	LCS	LCS
Well	P179886W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-108	LCS	LCS	LCS
Well	P179889W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-109	LCS	LCS	LCS
Well	P179892W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-110	LCS	LCS	LCS
Well	P179895W	NFU Wyoming LLC	25 N	92 W	17	SWSW	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-111	LCS	LCS	LCS
Well	P179898W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-112	LCS	LCS	LCS
Well	P179901W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-113	LCS	LCS	LCS
Well	P179904W	NFU Wyoming LLC	25 N	92 W	20	NENW	Monitoring	3/1/2007	Good Standing Incomplete	HJMO-114	LCS	LCS	LCS
Well	P175260W	NFU Wyoming LLC and BLM	25 N	92 W	20	NWNW	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC15M	LCS	350	160.8
Well	P175261W	NFU Wyoming LLC and BLM	25 N	92 W	18	SESE	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC18M	LCS	350	168.04
Well	P175262W	NFU Wyoming LLC and BLM	25 N	93 W	24	SWNE	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC21M	LCS	410	198.2

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Table D6-13 LC ISR, LLC Affiliates Groundwater Use Permits - Wyoming State Engineer Records December 2008 (Page 2 of 8)

Well or Use Point <sup>1</sup>	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield <sup>3</sup>	Well Depth (ft)	Static Well Depth (ft)
Well	P175264W	NFU Wyoming LLC and BLM	25 N	92 W	19	NENE	Monitoring	6/9/2006	Good Standing Incomplete	LC25M	LCS	380	167.05
Well	41/10/283W	Lost Creek ISR LLC	25 N	93 W	13	NWSE	Monitoring	9/26/2008	Unadjudicated	MB-02	LCS	LCS	LCS
Well	41/3/284W	Lost Creek ISR LLC	25 N	93 W	25	SWSW	Monitoring	9/26/2008	Unadjudicated	MB-05	LCS	LCS	LCS
Well	41/6/284W	Lost Creek ISR LLC	25 N	92 W	16	SENE	Monitoring	9/26/2008	Unadjudicated	MB-08	LCS	LCS	LCS
<i>HJ Horizon</i>													
Well	P179864W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-101	LCS	LCS	LCS
Well	P179867W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-102	LCS	LCS	LCS
Well	P179870W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-103	LCS	LCS	LCS
Well	P179873W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-104	LCS	430	171.81
Well	P179876W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-105	LCS	LCS	LCS
Well	P179879W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-106	LCS	LCS	LCS
Well	P179882W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-107	LCS	464	183.61
Well	P179885W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-108	LCS	LCS	LCS
Well	P179888W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-109	LCS	LCS	LCS
Well	P179891W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-110	LCS	476	174.89
Well	P179894W	NFU Wyoming LLC	25 N	92 W	17	SWSW	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-111	LCS	440	176.94
Well	P179897W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-112	LCS	LCS	LCS
Well	P179900W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-113	LCS	LCS	LCS
Well	P179903W	NFU Wyoming LLC	25 N	92 W	20	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMP-114	LCS	LCS	LCS
Well	P179856W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJT 101	LCS	LCS	LCS
Well	P179857W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJT 102	LCS	LCS	LCS
Well	P179858W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJT 103	LCS	LCS	LCS
Well	P179859W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJT 104	LCS	460	169.51
Well	P179860W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJT 105	LCS	LCS	LCS
Well	P175260W	NFU Wyoming LLC and BLM	25 N	92 W	20	NWNW	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC16M	LCS	472	178.14
Well	P175261W	NFU Wyoming LLC and BLM	25 N	92 W	18	SESE	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC19M	LCS	463	180.08
Well	P175262W	NFU Wyoming LLC and BLM	25 N	93 W	24	SWNE	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC22M	LCS	592	206.73
Well	P175265W	NFU Wyoming LLC and BLM	25 N	92 W	20	NENE	Monitoring	6/9/2006	Good Standing Incomplete	LC26M	LCS	436	171.1

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Table D6-13 LC ISR, LLC Affiliates Groundwater Use Permits - Wyoming State Engineer Records December 2008 (Page 3 of 8)

Well or Use Point <sup>1</sup>	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield <sup>3</sup>	Well Depth (ft)	Static Well Depth (ft)
Well	P179907W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	UKMO-101	LCS	LCS	LCS
Well	P179910W	NFU Wyoming LLC	25 N	92 W	17	SWSW	Monitoring	3/1/2007	Good Standing Incomplete	UKMO-102	LCS	LCS	LCS
Well	P179913W	NFU Wyoming LLC	25 N	92 W	17	SWSW	Monitoring	3/1/2007	Good Standing Incomplete	UKMO-103	LCS	LCS	LCS
Well	41/1/284W	Lost Creek ISR LLC	25 N	93 W	13	NWSE	Monitoring	9/26/2008	Unadjudicated	MB-03B	LCS	LCS	LCS
Well	41/4/284W	Lost Creek ISR LLC	25 N	93 W	25	SWSW	Monitoring	9/26/2008	Unadjudicated	MB-06	LCS	LCS	LCS
Well	41/7/284W	Lost Creek ISR LLC	25 N	92 W	16	SENE	Monitoring	9/26/2008	Unadjudicated	MB-09	LCS	LCS	LCS
<i>KM Horizon</i>													
Well	P179863W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-101	LCS	LCS	LCS
Well	P179866W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-102	LCS	LCS	LCS
Well	P179869W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-103	LCS	LCS	LCS
Well	P179872W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-104	LCS	LCS	LCS
Well	P179875W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-105	LCS	LCS	LCS
Well	P179878W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-106	LCS	LCS	LCS
Well	P179881W	NFU Wyoming LLC	25 N	92 W	19	NENE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-107	LCS	LCS	LCS
Well	P179884W	NFU Wyoming LLC	25 N	92 W	18	SESE	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-108	LCS	LCS	LCS
Well	P179887W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-109	LCS	LCS	LCS
Well	P179890W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-110	LCS	LCS	LCS
Well	P179893W	NFU Wyoming LLC	25 N	92 W	17	SWSW	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-111	LCS	LCS	LCS
Well	P179896W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-112	LCS	LCS	LCS
Well	P179899W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-113	LCS	LCS	LCS
Well	P179902W	NFU Wyoming LLC	25 N	92 W	20	NENW	Monitoring	3/1/2007	Good Standing Incomplete	HJMU-114	LCS	LCS	LCS
Well	P175260W	NFU Wyoming LLC and BLM	25 N	92 W	20	NWNW	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC17M	LCS	575	185.26
Well	P175261W	NFU Wyoming LLC and BLM	25 N	92 W	18	SESE	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC20M	LCS	543	202.36
Well	P175262W	NFU Wyoming LLC and BLM	25 N	93 W	24	SWNE	Monitoring, Test Well	6/9/2006	Good Standing Incomplete	LC23M	LCS	634	220.75
Well	P175263W	NFU Wyoming LLC and BLM	25 N	92 W	17	SWSW	Monitoring	6/9/2006	Good Standing Incomplete	LC24M	LCS	542	192.11
Well	P175266W	NFU Wyoming LLC and BLM	25 N	92 W	16	SENE	Monitoring	6/9/2006	Good Standing Incomplete	LC27M	LCS	477	189.8
Well	P175267W	NFU Wyoming LLC and BLM	25 N	93 W	25	SWSW	Monitoring	6/9/2006	Good Standing Incomplete	LC28M	LCS	563	154.45
Well	P179906W	NFU Wyoming LLC	25 N	92 W	20	NWNW	Monitoring	3/1/2007	Good Standing Incomplete	UKMP-101	LCS	575	192.13

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Table D6-13 LC ISR, LLC Affiliates Groundwater Use Permits - Wyoming State Engineer Records December 2008 (Page 5 of 8)

Well or Use Point <sup>1</sup>	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield <sup>3</sup>	Well Depth (ft)	Static Well Depth (ft)
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	17	SWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	17	SESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	17	NESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	17	NWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	17	SWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	17	SESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	NWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	18	SESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	NENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	NWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	SWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	SENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	SWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	SENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	NESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	NWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	SWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	19	SESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			

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Well or Use Point <sup>1</sup>	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield <sup>3</sup>	Well Depth (ft)	Static Well Depth (ft)
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	NENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	NWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	SWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	SENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	SWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	20	SENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	SWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	SENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	NESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	NWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	SWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	92 W	30	SESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	SENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	13	NENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			



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Well or Use Point <sup>1</sup>	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield <sup>3</sup>	Well Depth (ft)	Static Well Depth (ft)
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	NWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	24	SWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NESE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NWSE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NESW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SWSW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	SENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	25	NWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	36	NWNW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	36	NENW	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	36	NWNE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			
Use Point	P169906W	Ur-Energy USA Inc. -- WSBLC	25 N	93 W	36	NENE	Miscellaneous	9/12/2005	Good Standing Incomplete	LCIW			

Table D6-13 LC ISR, LLC Affiliates Groundwater Use Permits - Wyoming State Engineer Records December 2008 (Page 8 of 8)

Well or Use Point <sup>1</sup>	Permit Number	Applicant <sup>2</sup>	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield <sup>3</sup>	Well Depth (ft)	Static Well Depth (ft)
Well	P179826W	Lost Creek ISR LLC	25 N	92 W	17	NWSE	Miscellaneous	2/28/2007	Good Standing Incomplete	LC 32W	LCS	LCS	LCS
Well	P179827W	Lost Creek ISR LLC	25 N	92 W	20	NENE	Miscellaneous	2/28/2007	Good Standing Incomplete	LC 33W	LCS	LCS	LCS
Well	41/1/163W	Ur-Energy USA Inc.	25 N	92 W	19	SWNE	Monitoring	7/3/2008	Unadjucated	SWNE19M	LCS	LCS	LCS
Well	41/10/162W	Ur-Energy USA Inc.	25 N	92 W	19	NWNE	Monitoring	7/3/2008	Unadjucated	NWNE19M	LCS	LCS	LCS
Well	41/10/163W	Ur-Energy USA Inc.	25 N	92 W	20	NWNW	Monitoring	7/3/2008	Unadjucated	NWNW20PW	LCS	LCS	LCS
Well	41/2/162W	Ur-Energy USA Inc.	25 N	92 W	18	SESW	Monitoring	7/3/2008	Unadjucated	SESW18M	LCS	LCS	LCS
Well	41/2/163W	Ur-Energy USA Inc.	25 N	92 W	19	NENW	Monitoring	7/3/2008	Unadjucated	NENW19M	LCS	LCS	LCS
Well	41/3/162W	Ur-Energy USA Inc.	25 N	92 W	18	SWSE	Monitoring	7/3/2008	Unadjucated	SWSE18M	LCS	LCS	LCS
Well	41/3/163W	Ur-Energy USA Inc.	25 N	92 W	19	NWNE	Monitoring	7/3/2008	Unadjucated	NWNE19MU	LCS	LCS	LCS
Well	41/3/213W	NFU Wyoming LLC	25 N	93 W	25	SWSW	Miscellaneous	7/29/2008	Unadjucated	LC 28M	LCS	LCS	LCS
Well	41/4/162W	Ur-Energy USA Inc.	25 N	92 W	18	SESE	Monitoring	7/3/2008	Unadjucated	SESE18M	LCS	LCS	LCS
Well	41/4/163W	Ur-Energy USA Inc.	25 N	92 W	19	NWNE	Monitoring	7/3/2008	Unadjucated	NWNE19MO	LCS	LCS	LCS
Well	41/5/162W	Ur-Energy USA Inc.	25 N	92 W	17	SWSW	Monitoring	7/3/2008	Unadjucated	SWSW17M	LCS	LCS	LCS
Well	41/5/163W	Ur-Energy USA Inc.	25 N	92 W	19	NWNE	Monitoring	7/3/2008	Unadjucated	NWNE19MP	LCS	LCS	LCS
Well	41/5/294W	Lost Creek ISR LLC	25 N	93 W	25	SWSW	Monitoring	10/9/2008	Unadjucated	Deep Well No. 1	LCS	LCS	LCS
Well	41/5/35W	Lost Creek ISR LLC	25 N	92 W	17	NWSE	Miscellaneous	4/8/2008	Unadjucated	ENL LC 32W	LCS	LCS	LCS
Well	41/6/162W	Ur-Energy USA Inc.	25 N	92 W	17	SESW	Monitoring	7/3/2008	Unadjucated	SESW17M	LCS	LCS	LCS
Well	41/6/163W	Ur-Energy USA Inc.	25 N	92 W	20	NENW	Monitoring	7/3/2008	Unadjucated	NENW20MU	LCS	LCS	LCS
Well	41/6/35W	Lost Creek ISR LLC	25 N	92 W	20	NENE	Miscellaneous	4/8/2008	Unadjucated	ENL LC 33W	LCS	LCS	LCS
Well	41/7/162W	Ur-Energy USA Inc.	25 N	92 W	20	NENW	Monitoring	7/3/2008	Unadjucated	NENW20M	LCS	LCS	LCS
Well	41/7/163W	Ur-Energy USA Inc.	25 N	92 W	20	NENW	Monitoring	7/3/2008	Unadjucated	NENW20MO	LCS	LCS	LCS
Well	41/7/2W	Lost Creek ISR LLC	25 N	93 W	24	NENW	Miscellaneous	3/19/2008	Unadjucated	ENL LCIW	LCS	LCS	LCS
Well	41/8/162W	Ur-Energy USA Inc.	25 N	92 W	20	NWNW	Monitoring	7/3/2008	Unadjucated	NWNW20M	LCS	LCS	LCS
Well	41/8/163W	Ur-Energy USA Inc.	25 N	92 W	20	NENW	Monitoring	7/3/2008	Unadjucated	NENW20MP	LCS	LCS	LCS
Well	41/8/2W	Lost Creek ISR LLC	25 N	92 W	18	SWNE	Miscellaneous	3/19/2008	Unadjucated	LC229W	LCS	LCS	LCS
Well	41/9/162W	Ur-Energy USA Inc.	25 N	92 W	19	NENE	Monitoring	7/3/2008	Unadjucated	NENE19M	LCS	LCS	LCS
Well	41/9/163W	Ur-Energy USA Inc.	25 N	92 W	18	SESE	Monitoring	7/3/2008	Unadjucated	SESE18PW	LCS	LCS	LCS

<sup>1</sup> Each number represents a well. A number followed by a letter(s) is a point of use related to the well.

<sup>2</sup> WSBLC = Wyoming State Board of Land Commissioners.

<sup>3</sup> LCS = Part of the on-going Lost Creek Project study. Information will be provided when it becomes available.

**TableD6-14 Baseline Water Quality Monitoring Parameters**

<b>Major Ions</b>	<b>Trace Constituents<sup>2</sup></b>
Calcium	Aluminum
Magnesium	Ammonia
Potassium	Arsenic
Sodium	Barium
Bicarbonate	Boron
Chloride	Cadmium
Carbonate	Chromium
Sulfate	Copper
Nitrate (Total)	Iron
	Fluoride
<b>General Water Chemistry</b>	Manganese
Alkalinity <sup>1</sup>	Mercury
Total Dissolved Solids	Molybdenum
pH (field measured)	Nickel
pH (lab measured)	Selenium
Specific Conductance (field measured)	Silica
Temperature (field measured)	Vanadium
	Zinc
<b>Radionuclides</b>	
Gross Alpha <sup>1</sup>	
Gross Beta <sup>1</sup>	
Radium-226	
Radium-228 <sup>1</sup>	
Uranium	

<sup>1</sup> The 1982 sampling did not include these parameters.

<sup>2</sup> The trace constituents were analyzed for dissolved concentrations, with the exception of iron and manganese which were analyzed for total and dissolved concentrations.

**Table D6-15a Analytical Results of Baseline Monitoring (Page 1 of 12)**

Major Cations and Anions												
Well ID	Completion Zone	Sample Date	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	Cl (mg/L)	HCO <sub>3</sub> (mg/L)	CO <sub>3</sub> (mg/L)	SO <sub>4</sub> (mg/L)	Si (mg/L)	NO <sub>3</sub> (mg/L)
LC29M	DE	9/20/06	26.0	2.0	57.0	4.0	6.0	137.0	ND	108.0	12.0	ND
LC29M	DE	11/26/06	26.0	3.0	64.0	4.0	4.0	98.0	ND	131.0	17.2	ND
LC29M	DE	3/1/07	24.0	2.0	57.0	3.0	4.0	205.0	ND	54.0	18.1	ND
LC29M	DE	5/4/07	27.0	2.0	47.0	3.0	10.0	183.0	ND	21.0	15.3	0.90
LC30M	DE	9/20/06	29.0	2.0	33.0	2.0	6.0	122.0	ND	31.0	14.7	1.40
LC30M	DE	11/26/06	25.0	1.0	31.0	2.0	5.0	124.0	ND	26.0	13.7	1.20
LC30M	DE	3/1/07	51.0	2.0	33.0	2.0	6.0	156.0	ND	51.0	17.4	0.60
LC30M	DE	5/3/07	62.0	2.0	28.0	2.0	6.0	176.0	ND	55.0	17.7	ND
LC31M	DE	9/21/06	40.0	3.0	140.0	9.0	7.0	140.0	ND	316.0	15.0	0.80
LC31M	DE	11/26/06	39.0	3.0	120.0	8.0	7.0	145.0	ND	280.0	13.9	0.40
LC31M	DE	2/28/07	64.0	3.0	108.0	7.0	8.0	156.0	ND	277.0	17.0	0.30
LC31M	DE	5/3/07	71.0	3.0	99.0	6.0	6.0	159.0	ND	279.0	15.9	0.20
LC15M	LFG	9/12/06	31.0	4.0	86.0	4.0	8.0	127.0	ND	180.0	16.0	ND
LC15M	LFG	11/26/06	31.0	2.0	84.0	4.0	6.0	134.0	ND	157.0	14.3	ND
LC15M	LFG	3/1/07	33.0	3.0	89.0	5.0	1.0	130.0	ND	180.0	14.8	0.20
LC15M	LFG	5/4/07	34.0	9.0	46.0	3.0	6.0	85.0	ND	142.0	13.0	0.40
LC18M	LFG	9/20/06	35.0	3.0	61.0	3.0	5.0	122.0	ND	122.0	13.2	ND
LC18M	LFG	11/22/06	31.0	2.0	55.0	3.0	5.0	117.0	ND	117.0	12.4	ND
LC18M	LFG	3/1/07	33.0	2.0	60.0	3.0	5.0	120.0	ND	120.0	13.6	ND
LC18M	LFG	5/4/07	30.0	3.0	49.0	3.0	5.0	112.0	ND	119.0	12.6	ND
LC21M	LFG	9/20/06	33.0	2.0	46.0	3.0	6.0	121.0	5.0	62.0	15.8	1.00
LC21M	LFG	11/26/06	30.0	2.0	41.0	3.0	5.0	132.0	ND	59.0	13.9	0.80
LC21M	LFG	2/28/07	31.0	3.0	35.0	3.0	5.0	120.0	ND	60.0	15.2	1.00
LC21M	LFG	5/3/07	30.0	2.0	41.0	3.0	5.0	124.0	ND	58.0	13.7	1.00
LC25M	LFG	9/21/06	35.0	4.0	73.0	2.0	6.0	100.0	2.0	146.0	14.1	0.30
LC25M	LFG	11/17/06	34.0	2.0	70.0	4.0	6.0	120.0	ND	139.0	14.6	0.20
LC25M	LFG	3/1/07	32.0	2.0	72.0	4.0	6.0	126.0	ND	150.0	14.7	0.20
LC25M	LFG	5/3/07	34.0	4.0	34.0	3.0	4.0	36.0	ND	133.0	13.5	ND

**Table D6-15a Analytical Results of Baseline Monitoring (Page 2 of 12)**

Major Cations and Anions												
Well ID	Completion Zone	Sample Date	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	Cl (mg/L)	HCO <sub>3</sub> (mg/L)	CO <sub>3</sub> (mg/L)	SO <sub>4</sub> (mg/L)	Si (mg/L)	NO <sub>3</sub> (mg/L)
LC16M	HJ	9/12/06	27.0	2.0	77.0	4.0	5.0	134.0	ND	144.0	16.0	ND
LC16M	HJ	9/12/06	27.0	2.0	77.0	4.0	5.0	134.0	ND	144.0	16.0	ND
LC16M	HJ	9/12/06	27.0	2.0	77.0	4.0	5.0	134.0	ND	144.0	16.0	ND
LC16M	HJ	11/10/06	29.3	8.0	80.1	3.9	7.0	128.0	ND	136.0		ND
LC16M	HJ	3/1/07	30.0	2.0	74.0	4.0	4.0	132.0	ND	138.0	15.0	ND
LC16M	HJ	5/4/07	29.0	2.0	74.0	4.0	5.0	137.0	ND	139.0	14.8	ND
LC19M	HJ	9/20/06	35.0	3.0	66.0	3.0	6.0	103.0	2.0	139.0		ND
LC19M	HJ	11/3/06	32.8	2.1	72.9	3.2	6.0	132.0	ND	146.0	15.0	ND
LC19M	HJ	3/5/07	40.0	13.0	41.0	3.0	6.0	73.0	ND	124.0	14.5	ND
LC19M	HJ	5/4/07	33.0	8.0	45.0	3.0	5.0	93.0	ND	137.0	14.8	ND
LC19M	HJ	5/4/07	33.0	8.0	46.0	3.0	5.0	96.0	ND	137.0	14.6	ND
LC22M	HJ	9/21/06	40.0	2.0	74.0	3.0	5.0	113.0	ND	170.0	15.0	ND
LC22M	HJ	11/16/06	36.0	2.0	62.0	3.0	4.0	109.0	ND	154.0	12.8	ND
LC22M	HJ	3/1/07	37.0	4.0	60.0	3.0	6.0	110.0	ND	142.0	14.2	ND
LC22M	HJ	5/3/07	35.0	4.0	64.0	3.0	5.0	113.0	ND	137.0	13.0	ND
LC26M	HJ	9/21/06	35.0	4.0	133.0	6.0	6.0	168.0	ND	269.0	17.7	ND
LC26M	HJ	11/17/06	33.0	3.0	127.0	5.0	6.0	166.0	ND	256.0	17.0	ND
LC26M	HJ	3/1/07	33.0	3.0	125.0	5.0	5.0	159.0	ND	253.0	16.2	ND
LC26M	HJ	5/3/07	34.0	8.0	90.0	5.0	5.0	57.0	ND	259.0	17.5	ND
LC17M	UKM	9/12/06	27.0	4.0	55.0	2.0	4.0	107.0	4.0	107.0	15.2	ND
LC17M	UKM	11/26/06	27.0	2.0	55.0	2.0	5.0	120.0	ND	94.0	15.1	ND
LC17M	UKM	3/1/07	29.0	2.0	62.0	3.0	5.0	124.0	ND	105.0	16.8	ND
LC17M	UKM	5/4/07	27.0	2.0	61.0	3.0	4.0	142.0	ND	108.0	15.9	ND
LC20M	UKM	9/21/06	32.0	3.0	56.0	2.0	6.0	113.0	2.0	102.0	17.2	ND
LC20M	UKM	11/22/06	32.0	5.0	38.0	ND	6.0	63.0	3.0	80.0	12.7	ND
LC20M	UKM	3/1/07	36.0	11.0	15.0	ND	5.0	39.0	ND	95.0	14.6	ND
LC20M	UKM	5/4/07	35.0	11.0	12.0	ND	6.0	34.0	2.0	91.0	14.1	ND
LC23M	UKM	9/21/06	44.0	8.0	58.0	ND	5.0	83.0	6.0	165.0	13.9	ND
LC23M	UKM	11/26/06	41.0	7.0	50.0	2.0	3.0	85.0	ND	150.0	14.1	ND
LC23M	UKM	3/1/07	64.0	48.0	52.0	ND	15.0	7.0	137.0	146.0	10.7	ND
LC23M	UKM	5/3/07	63.0	52.0	86.0	ND	5.0	4.0	66.0	126.0	9.4	ND

**Table D6-15a Analytical Results of Baseline Monitoring (Page 3 of 12)**

Major Cations and Anions												
Well ID	Completion Zone	Sample Date	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	Cl (mg/L)	HCO <sub>3</sub> (mg/L)	CO <sub>3</sub> (mg/L)	SO <sub>4</sub> (mg/L)	Si (mg/L)	NO <sub>3</sub> (mg/L)
LC24M	UKM	9/21/06	32.0	3.0	68.0	4.0	5.0	109.0	ND	138.0	16.1	ND
LC24M	UKM	9/21/06	32.0	3.0	68.0	4.0	5.0	109.0	ND	138.0	16.1	ND
LC24M	UKM	11/26/06	29.0	2.0	66.0	3.0	4.0	126.0	2.0	121.0	14.7	ND
LC24M	UKM	3/1/07	31.0	7.0	43.0	3.0	5.0	73.0	ND	126.0	14.8	ND
LC24M	UKM	5/4/07	31.0	7.0	48.0	3.0	5.0	85.0	ND	126.0	14.6	ND
LC27M	UKM	9/26/06	19.5	4.1	29.5	0.6	4.0	93.0	1.0	29.0	15.3	ND
LC27M	UKM	11/16/06	21.0	4.0	27.0	ND	6.0	82.0	2.0	29.0	15.5	ND
LC27M	UKM	3/1/07	21.0	5.0	11.0	ND	4.0	38.0	ND	39.0	16.4	ND
LC27M	UKM	5/3/07	22.0	5.0	7.0	ND	4.0	33.0	5.0	32.0	17.8	ND
LC28M	UKM	9/21/06	27.0	3.0	60.0	3.0	6.0	125.0	ND	101.0	16.1	ND
LC28M	UKM	11/26/06	24.0	2.0	58.0	3.0	4.0	127.0	ND	88.0	15.7	ND
LC28M	UKM	2/28/07	25.0	2.0	59.0	3.0	6.0	127.0	ND	95.0	16.9	ND
LC28M	UKM	5/3/07	25.0	2.0	62.0	3.0	6.0	130.0	ND	96.0	15.0	ND

**Table D6-15a Analytical Results of Baseline Monitoring (Page 4 of 12)**

Well ID	Completion Zone	Sample Date	General Water Quality				Radionuclides					
			TDS (mg/L)	Specific Conductivity	Lab pH s.u.	Alkalinity (mg/L)	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Ra-226 (pCi/L)	Ra-228 (pCi/L)	Ra-226 + Ra-228 (pCi/L)	Uranium (mg/L)
LC29M	DE	9/20/06	283.0			112.0	328.0	142.0	1.9	ND	1.9	0.499
LC29M	DE	11/26/06	298.0	491.0	7.68	80.0	158.0	54.0	1.7	4.7	6.4	0.246
LC29M	DE	3/1/07	265.0	385.0	7.77		265.0	86.1	4.0	ND	4.0	0.318
LC29M	DE	5/4/07	219.0	356.0	7.75		200.0	84.6	3.0	ND	3.0	0.251
LC30M	DE	9/20/06	184.0			100.0	129.0	41.5	1.0	ND	1.0	0.141
LC30M	DE	11/26/06	170.0	288.0	7.33	102.0	107.0	32.3	0.9	1.6	2.5	0.154
LC30M	DE	3/1/07	241.0	393.0	8.02		108.0	31.9	5.7	ND	5.7	0.162
LC30M	DE	5/3/07	260.0	440.0	8.07		109.0	40.0	2.1	ND	2.1	0.130
LC31M	DE	9/21/06	602.0	800.0	7.85	114.0	1120.0	405.0	2.0	1.7	3.7	1.890
LC31M	DE	11/26/06	528.0	838.0	7.79	119.0	1430.0	395.0	2.6	3.2	5.8	2.100
LC31M	DE	2/28/07	563.0	817.0	7.94		967.0	262.0	7.2	1.0	8.2	1.400
LC31M	DE	5/3/07	559.0	860.0	7.79		1030.0	319.0	1.9	2.4	4.3	1.610
LC15M	LFG	9/12/06	390.0				263.0	83.3	5.3	0.9	6.2	0.489
LC15M	LFG	11/26/06	370.0	605.0	7.84	110.0	334.0	116.0	3.8	4.8	8.6	0.472
LC15M	LFG	3/1/07	390.0	587.0	7.32		374.0	92.7	6.0	3.5	9.5	0.467
LC15M	LFG	5/4/07	296.0	492.0	8.27		236.0	92.1	3.6	ND	3.6	0.358
LC18M	LFG	9/20/06	303.0			100.0	518.0	192.0	43.0	2.8	45.8	0.523
LC18M	LFG	11/22/06	277.0	461.0	8.33	98.0	490.0	199.0	63.5	3.9	67.4	0.546
LC18M	LFG	3/1/07	296.0	460.0	7.86		439.0	148.0	ND	ND	0.0	0.533
LC18M	LFG	5/4/07	277.0	467.0	8.09		385.0	115.0	26.4	ND	26.4	0.419
LC21M	LFG	9/20/06	233.0			106.0	219.0	70.3	1.6	1.2	2.8	0.251
LC21M	LFG	11/26/06	219.0	373.0	8.17	108.0	205.0	49.2	1.2	12.0	13.2	0.278
LC21M	LFG	2/28/07	214.0	333.0	8.25		815.0	62.6	230.0	ND	230.0	0.270
LC21M	LFG	5/3/07	219.0	371.0	8.17		202.0	65.2	3.7	ND	3.7	0.236
LC25M	LFG	9/21/06	336.0	452.0	8.37	91.0	353.0	124.0	3.1	3.3	6.4	0.465
LC25M	LFG	11/17/06	330.0	516.0	8.28		301.0	138.0	3.1	ND	3.1	0.460
LC25M	LFG	3/1/07	344.0	519.0	7.97		369.0	107.0	2.3	2.3	4.6	0.517
LC25M	LFG	5/3/07	244.0	390.0	8.57		194.0	72.5	2.9	ND	2.9	0.289

**Table D6-15a Analytical Results of Baseline Monitoring (Page 5 of 12)**

Well ID	Completion Zone	Sample Date	General Water Quality				Radionuclides					
			TDS (mg/L)	Specific Conductivity	Lab pH s.u.	Alkalinity (mg/L)	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Ra-226 (pCi/L)	Ra-228 (pCi/L)	Ra-226 + Ra-228 (pCi/L)	Uranium (mg/L)
LC16M	HJ	9/12/06	330.0				299.0	109.0	166.0	4.3	170.3	0.164
LC16M	HJ	9/12/06	330.0				299.0	109.0	166.0	4.3	170.3	0.164
LC16M	HJ	9/12/06	330.0				299.0	109.0	166.0	4.3	170.3	0.164
LC16M	HJ	11/10/06	304.0	517.0			274.0	120.0	2.0	78.4	80.4	0.133
LC16M	HJ	3/1/07	333.0	509.0	7.92		290.0	79.7	65.1	3.8	68.9	0.134
LC16M	HJ	5/4/07	335.0	534.0	8.01		188.0	69.2	122.0	3.2	125.2	0.122
LC19M	HJ	9/20/06	319.0			87.0	985.0	540.0	366.0	4.8	370.8	0.336
LC19M	HJ	11/3/06	328.0	506.0	7.85	108.0	863.0	592.0	547.0	4.1	551.1	0.051
LC19M	HJ	3/5/07	278.0	432.0	8.02		1220.0	473.0	316.0	3.4	319.4	0.844
LC19M	HJ	5/4/07	266.0	482.0	8.11		1470.0	603.0	423.0	1.0	424.0	0.762
LC19M	HJ	5/4/07	264.0	487.0	8.09		1350.0	568.0	386.0	1.6	387.6	0.766
LC22M	HJ	9/21/06	366.0	511.0	8.14	93.0	810.0	358.0	261.0	3.2	264.2	0.342
LC22M	HJ	11/16/06	328.0	531.0	8.15		597.0	258.0	247.0	1.9	248.9	0.185
LC22M	HJ	3/1/07	319.0	483.0	7.87		86.5	97.9	1.7	3.6	5.3	0.129
LC22M	HJ	5/3/07	316.0	513.0	8.11		576.0	186.0	308.0	3.8	311.8	0.097
LC26M	HJ	9/21/06	554.0	741.0	8.16	138.0	306.0	111.0	87.7	4.6	92.3	0.107
LC26M	HJ	11/17/06	528.0	786.0	8.06		300.0	119.0	77.2	3.8	81.0	0.072
LC26M	HJ	3/1/07	519.0	745.0	7.85		30.5	46.1	ND	3.6	3.6	0.045
LC26M	HJ	5/3/07	449.0	653.0	8.44		50.2	23.4	12.4	ND	12.4	0.037
LC17M	UKM	9/12/06	262.0				28.4	13.7	10.6	1.1	11.7	0.0135
LC17M	UKM	11/26/06	262.0	436.0	8.02	98.0	29.0	15.5	8.8	12.9	21.7	0.010
LC17M	UKM	3/1/07	284.0	433.0	7.88		26.8	11.5	5.5	ND	5.5	0.011
LC17M	UKM	5/4/07	291.0	467.0	8.11		17.3	9.1	7.2	1.5	8.7	0.009
LC20M	UKM	9/21/06	274.0	388.0	8.56	96.0	44.4	24.0	9.6	3.9	13.5	0.036
LC20M	UKM	11/22/06	216.0	362.0	8.91	56.0	38.7	19.5	9.3	3.4	12.7	0.025
LC20M	UKM	3/1/07	197.0	305.0	7.66		65.3	23.9	47.8	ND	47.8	0.024
LC20M	UKM	5/4/07	188.0	322.0	9.04		31.9	23.6	9.2	2.6	11.8	0.025
LC23M	UKM	9/21/06	341.0	451.0	8.87	76.0	32.8	17.5	3.3	ND	3.3	0.023
LC23M	UKM	11/26/06	303.0	498.0	7.97	70.0	35.0	14.9	4.7	6.7	11.4	0.019
LC23M	UKM	3/1/07	452.0	1180.0	11.60		5.3	34.8	1.9	1.0	2.9	0.002
LC23M	UKM	5/3/07	526.0	1720.0	11.60		15.1	44.7	4.7	1.5	6.2	0.002



**Table D6-15a Analytical Results of Baseline Monitoring (Page 6 of 12)**

Well ID	Completion Zone	Sample Date	General Water Quality				Radionuclides					
			TDS (mg/L)	Specific Conductivity	Lab pH s.u.	Alkalinity (mg/L)	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Ra-226 (pCi/L)	Ra-228 (pCi/L)	Ra-226 + Ra-228 (pCi/L)	Uranium (mg/L)
LC24M	UKM	9/21/06	321.0	455.0	8.30	91.0	107.0	43.2	6.5	1.5	8.0	0.134
LC24M	UKM	9/21/06	321.0	455.0	8.30	91.0	107.0	43.2	6.5	1.5	8.0	0.134
LC24M	UKM	11/26/06	302.0	500.0	8.33	105.0	86.8	27.6	5.9	5.8	11.7	0.100
LC24M	UKM	3/1/07	266.0	410.0	7.99		48.6	22.6	1.8	2.0	3.8	0.062
LC24M	UKM	5/4/07	277.0	452.0	8.08		49.1	23.8	8.9	1.5	10.4	0.052
LC27M	UKM	9/26/06	136.0				10.7	9.7	1.1	0.4	1.5	0.0026
LC27M	UKM	11/16/06	145.0	243.0	8.66		6.8	9.4	1.1	3.6	4.7	0.002
LC27M	UKM	3/1/07	117.0	171.0	8.74		77.7	4.1	26.6	ND	26.6	0.001
LC27M	UKM	5/3/07	111.0	178.0	9.51		2.9	3.9	0.4	ND	0.4	0.002
LC28M	UKM	9/21/06	276.0	394.0	8.14	103.0	30.7	19.4	8.1	3.4	11.5	0.017
LC28M	UKM	11/26/06	259.0	435.0	8.00	104.0	18.1	14.4	8.4	4.2	12.6	0.006
LC28M	UKM	2/28/07	269.0	400.0	8.15		27.0	13.0	7.7	2.1	9.8	0.007
LC28M	UKM	5/3/07	273.0	440.0	8.01		19.4	11.2	7.1	3.7	10.8	0.023

**Table D6-15a Analytical Results of Baseline Monitoring (Page 7 of 12)**

Trace Parameters (Dissolved unless otherwise noted.)											
Well ID	Completion Zone	Sample Date	Al (mg/L)	NH <sub>4</sub> (mg/L)	As (mg/L)	Ba (mg/L)	B (mg/L)	Cd (mg/L)	Cr (mg/L)	Cu (mg/L)	F (mg/L)
LC29M	DE	9/20/06	ND	1.07	0.002	ND	ND	ND	ND	ND	0.30
LC29M	DE	11/26/06	ND	0.57	0.003	ND	ND	ND	ND	ND	0.30
LC29M	DE	3/1/07	ND	0.26	0.005	ND	ND	ND	ND	ND	0.20
LC29M	DE	5/4/07	ND	0.18	ND	ND	ND	ND	ND	ND	0.20
LC30M	DE	9/20/06	ND	0.11	0.002	ND	ND	ND	ND	ND	0.50
LC30M	DE	11/26/06	ND	0.08	0.002	ND	ND	ND	ND	ND	0.50
LC30M	DE	3/1/07	ND	0.07	0.004	ND	ND	ND	ND	ND	0.50
LC30M	DE	5/3/07	ND	0.06	0.007	ND	ND	ND	ND	ND	0.50
LC31M	DE	9/21/06	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC31M	DE	11/26/06	ND	0.07	ND	ND	ND	ND	ND	ND	0.20
LC31M	DE	2/28/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC31M	DE	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC15M	LFG	9/12/06	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC15M	LFG	11/26/06	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC15M	LFG	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC15M	LFG	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC18M	LFG	9/20/06	ND	ND	0.004	ND	ND	ND	ND	ND	0.20
LC18M	LFG	11/22/06	ND	ND	0.002	ND	ND	ND	ND	ND	0.20
LC18M	LFG	3/1/07	ND	ND	0.002	ND	ND	ND	ND	ND	0.20
LC18M	LFG	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC21M	LFG	9/20/06	ND	0.08	ND	ND	ND	ND	ND	ND	0.30
LC21M	LFG	11/26/06	ND	ND	ND	ND	ND	ND	ND	ND	0.30
LC21M	LFG	2/28/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC21M	LFG	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC25M	LFG	9/21/06	ND	ND	0.004	ND	ND	ND	ND	ND	0.20
LC25M	LFG	11/17/06	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC25M	LFG	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC25M	LFG	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20

**Table D6-15a Analytical Results of Baseline Monitoring (Page 8 of 12)**

Trace Parameters (Dissolved unless otherwise noted.)											
Well ID	Completion Zone	Sample Date	Al (mg/L)	NH <sub>4</sub> (mg/L)	As (mg/L)	Ba (mg/L)	B (mg/L)	Cd (mg/L)	Cr (mg/L)	Cu (mg/L)	F (mg/L)
LC16M	HJ	9/12/06	ND	ND	0.002	ND	ND	ND	ND	ND	0.10
LC16M	HJ	9/12/06	ND	ND	0.002	ND	ND	ND	ND	ND	0.10
LC16M	HJ	9/12/06	ND	ND	0.002	ND	ND	ND	ND	ND	0.10
LC16M	HJ	11/10/06	ND	ND	ND	ND	ND	ND	ND	ND	0.10
LC16M	HJ	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC16M	HJ	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC19M	HJ	9/20/06	ND	ND	0.014	ND	ND	ND	ND	ND	ND
LC19M	HJ	11/3/06	ND	ND	0.002	ND	ND	ND	ND	ND	ND
LC19M	HJ	3/5/07	ND	0.06	0.008	ND	ND	ND	ND	ND	0.20
LC19M	HJ	5/4/07	ND	ND	0.007	ND	ND	ND	ND	ND	ND
LC19M	HJ	5/4/07	ND	ND	0.006	ND	ND	ND	ND	ND	ND
LC22M	HJ	9/21/06	ND	ND	0.005	ND	ND	ND	ND	ND	ND
LC22M	HJ	11/16/06	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC22M	HJ	3/1/07	ND	ND	0.002	ND	ND	ND	ND	ND	0.20
LC22M	HJ	5/3/07	ND	ND	0.002	ND	ND	ND	ND	ND	0.20
LC26M	HJ	9/21/06	ND	ND	0.003	ND	ND	ND	ND	ND	ND
LC26M	HJ	11/17/06	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC26M	HJ	3/1/07	ND	0.07	ND	ND	ND	ND	ND	ND	ND
LC26M	HJ	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC17M	UKM	9/12/06	ND	ND	0.006	ND	ND	ND	ND	ND	0.20
LC17M	UKM	11/26/06	ND	ND	0.003	ND	ND	ND	ND	ND	0.20
LC17M	UKM	3/1/07	ND	0.06	0.002	ND	ND	ND	ND	ND	0.20
LC17M	UKM	5/4/07	ND	ND	0.002	ND	ND	ND	ND	ND	0.20
LC20M	UKM	9/21/06	ND	ND	0.012	ND	ND	ND	ND	ND	ND
LC20M	UKM	11/22/06	ND	ND	0.012	ND	ND	ND	ND	ND	0.20
LC20M	UKM	3/1/07	ND	ND	0.012	ND	ND	ND	ND	ND	0.20
LC20M	UKM	5/4/07	ND	ND	0.011	ND	ND	ND	ND	ND	0.20
LC23M	UKM	9/21/06	ND	ND	0.009	ND	ND	ND	ND	ND	ND
LC23M	UKM	11/26/06	ND	ND	0.004	ND	ND	ND	ND	ND	0.20
LC23M	UKM	3/1/07	ND	0.86	0.003	0.30	ND	ND	ND	ND	0.40
LC23M	UKM	5/3/07	0.20	0.75	0.002	0.30	ND	ND	ND	ND	0.20

**Table D6-15a Analytical Results of Baseline Monitoring (Page 9 of 12)**

Trace Parameters (Dissolved unless otherwise noted.)											
Well ID	Completion Zone	Sample Date	Al (mg/L)	NH <sub>4</sub> (mg/L)	As (mg/L)	Ba (mg/L)	B (mg/L)	Cd (mg/L)	Cr (mg/L)	Cu (mg/L)	F (mg/L)
LC24M	UKM	9/21/06	ND	0.13	0.003	ND	ND	ND	ND	ND	ND
LC24M	UKM	9/21/06	ND	0.13	0.003	ND	ND	ND	ND	ND	ND
LC24M	UKM	11/26/06	ND	0.08	ND	ND	ND	ND	ND	ND	0.20
LC24M	UKM	3/1/07	ND	0.08	ND	ND	ND	ND	ND	ND	ND
LC24M	UKM	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC27M	UKM	9/26/06	ND	ND	0.009	ND	ND	ND	ND	ND	0.20
LC27M	UKM	11/16/06	ND	ND	0.006	ND	ND	ND	ND	ND	0.30
LC27M	UKM	3/1/07	ND	ND	0.007	ND	ND	ND	ND	ND	0.30
LC27M	UKM	5/3/07	ND	ND	0.005	ND	ND	ND	ND	ND	0.30
LC28M	UKM	9/21/06	ND	ND	0.005	ND	ND	ND	ND	ND	ND
LC28M	UKM	11/26/06	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC28M	UKM	2/28/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20
LC28M	UKM	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	0.20

Table D6-15a Analytical Results of Baseline Monitoring (Page 10 of 12)

Trace Parameters (Dissolved unless otherwise noted.)													
Well ID	Completion Zone	Sample Date	Fe (mg/L)		Hg (mg/L)	Mn (mg/L)		Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Se (mg/L)	V (mg/L)	Zn (mg/L)
			Dissolved	Total		Dissolved	Total						
LC29M	DE	9/20/06	0.09	0.09	ND	0.12	0.11	ND	ND	ND	0.002	ND	ND
LC29M	DE	11/26/06	0.67	0.46	ND	0.48	0.32	ND	ND	ND	ND	ND	ND
LC29M	DE	3/1/07	0.40	0.40	ND	0.24	0.24	ND	ND	ND	ND	ND	ND
LC29M	DE	5/4/07	0.14	0.14	ND	0.04	0.04	ND	ND	ND	ND	ND	ND
LC30M	DE	9/20/06	ND	ND	ND	0.01	ND	ND	ND	ND	0.016	ND	ND
LC30M	DE	11/26/06	ND	ND	ND	0.01	0.01	ND	ND	ND	0.016	ND	ND
LC30M	DE	3/1/07	0.11	0.11	ND	0.08	0.08	ND	ND	ND	0.006	ND	ND
LC30M	DE	5/3/07	0.09	0.09	ND	0.07	0.07	ND	ND	ND	0.003	ND	ND
LC31M	DE	9/21/06	ND	ND	ND	0.01	ND	ND	ND	ND	0.215	ND	ND
LC31M	DE	11/26/06	ND	ND	ND	0.06	0.05	ND	ND	ND	0.211	ND	ND
LC31M	DE	2/28/07	0.10	0.10	ND	0.10	0.10	ND	ND	ND	0.151	ND	ND
LC31M	DE	5/3/07	0.07	0.07	ND	0.02	0.02	ND	ND	ND	0.111	ND	ND
LC15M	LFG	9/12/06	0.03	ND	ND	ND	ND	ND	ND	ND	0.019	ND	ND
LC15M	LFG	11/26/06	ND	ND	ND	ND	ND	ND	ND	ND	0.016	ND	ND
LC15M	LFG	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	0.017	ND	ND
LC15M	LFG	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	0.010	ND	ND
LC18M	LFG	9/20/06	0.53	0.53	ND	ND	ND	ND	ND	ND	0.024	ND	ND
LC18M	LFG	11/22/06	0.51	0.51	ND	ND	ND	ND	ND	ND	0.015	ND	ND
LC18M	LFG	3/1/07	0.67	0.67	ND	ND	ND	ND	ND	ND	0.016	ND	ND
LC18M	LFG	5/4/07	0.10	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC21M	LFG	9/20/06	0.40	0.40	ND	0.02	0.02	ND	ND	ND	0.040	ND	ND
LC21M	LFG	11/26/06	ND	ND	ND	ND	ND	ND	ND	ND	0.039	ND	ND
LC21M	LFG	2/28/07	ND	ND	ND	ND	ND	ND	ND	ND	0.034	ND	ND
LC21M	LFG	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	0.032	ND	ND
LC25M	LFG	9/21/06	ND	ND	ND	ND	ND	ND	ND	ND	0.027	ND	ND
LC25M	LFG	11/17/06	ND	ND	ND	ND	ND	ND	ND	ND	0.027	ND	ND
LC25M	LFG	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	0.025	ND	ND
LC25M	LFG	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND

**Table D6-15a Analytical Results of Baseline Monitoring (Page 11 of 12)**

Trace Parameters (Dissolved unless otherwise noted.)													
Well ID	Completion Zone	Sample Date	Fe (mg/L)		Hg (mg/L)	Mn (mg/L)		Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Se (mg/L)	V (mg/L)	Zn (mg/L)
			Dissolved	Total		Dissolved	Total						
LC16M	HJ	9/12/06	0.03	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC16M	HJ	9/12/06	0.03	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC16M	HJ	9/12/06	0.03	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC16M	HJ	11/10/06	0.06	0.06	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC16M	HJ	3/1/07	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC16M	HJ	5/4/07	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC19M	HJ	9/20/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC19M	HJ	11/3/06	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC19M	HJ	3/5/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC19M	HJ	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC19M	HJ	5/4/07	ND	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC22M	HJ	9/21/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC22M	HJ	11/16/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC22M	HJ	3/1/07	ND	ND	ND	0.02	0.01	ND	ND	ND	ND	ND	ND
LC22M	HJ	5/3/07	ND	0.03	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC26M	HJ	9/21/06	ND	ND	ND	0.02	0.02	ND	ND	ND	ND	ND	ND
LC26M	HJ	11/17/06	0.23	0.23	ND	0.03	0.03	ND	ND	ND	ND	ND	ND
LC26M	HJ	3/1/07	ND	ND	ND	0.02	0.02	ND	ND	ND	ND	ND	ND
LC26M	HJ	5/3/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC17M	UKM	9/12/06	0.03	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC17M	UKM	11/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC17M	UKM	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC17M	UKM	5/4/07	0.05	0.05	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC20M	UKM	9/21/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC20M	UKM	11/22/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC20M	UKM	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC20M	UKM	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC23M	UKM	9/21/06	ND	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND
LC23M	UKM	11/26/06	ND	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND
LC23M	UKM	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC23M	UKM	5/3/07	ND	ND	ND	ND	ND	ND	ND	0.002	0.005	ND	ND

**Table D6-15a Analytical Results of Baseline Monitoring (Page 12 of 12)**

Trace Parameters (Dissolved unless otherwise noted.)													
Well ID	Completion Zone	Sample Date	Fe (mg/L)		Hg (mg/L)	Mn (mg/L)		Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Se (mg/L)	V (mg/L)	Zn (mg/L)
			Dissolved	Total		Dissolved	Total						
LC24M	UKM	9/21/06	0.32	0.32	ND	ND	ND	ND	ND	ND	0.002	ND	ND
LC24M	UKM	9/21/06	0.32	0.32	ND	ND	ND	ND	ND	ND	0.002	ND	ND
LC24M	UKM	11/26/06	0.16	0.16	ND	ND	ND	ND	ND	ND	0.002	ND	ND
LC24M	UKM	3/1/07	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC24M	UKM	5/4/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC27M	UKM	9/26/06	0.15	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC27M	UKM	11/16/06	0.08	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC27M	UKM	3/1/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC27M	UKM	5/3/07	0.04	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC28M	UKM	9/21/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC28M	UKM	11/26/06	0.04	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
LC28M	UKM	2/28/07	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
LC28M	UKM	5/3/07	0.05	0.05	ND	ND	0.01	ND	ND	ND	0.002	ND	ND
ND - Concentration was below the laboratory detection limit.													
Blank - Sample not analyzed for this parameter.													
WQD and EPA criteria are listed in Table D6-15b.													
<b>Bold</b>	Concentration exceeds WQD Domestic Class-of-Use (Class I).												
<b>Bold</b>	Concentration exceeds WQD Agriculture Class-of-Use (Class II).												
<b>Bold</b>	Concentration exceeds WQD Livestock Class-of-Use (Class III).												
<b>Bold</b>	Concentration exceeds EPA criteria.												
Highlight for concentration exceeding WQD criteria is based on the lowest criteria exceeded. If EPA concentration also exceeded, both highlight and pattern are shown. Pattern for concentration exceeding EPA criteria is based on lowest criteria exceeded. For pH, narrowest range is used.													

**Table D6-15b State and Federal Ground Water Quality Criteria for Specified Parameters**

Parameter	WQD Class-of-Use Criteria			EPA Drinking Water Criteria		
	Domestic (Class I)	Agriculture (Class II)	Livestock (Class III)	MCL	Treatment Action Level	Secondary Standard
Aluminum	--	5.0	5.0	--	--	0.05 to 0.2
Ammonia	0.5	--	--	--	--	--
Arsenic	0.05	0.1	0.2	0.010	--	--
Barium	2.0	--	--	2.0	--	--
Boron	0.75	0.75	5.0	--	--	--
Cadmium	0.005	0.01	0.05	0.005	--	--
Chloride	250.0	100.0	2000.0	--	--	250.0
Chromium	0.1	0.1	0.05	0.005	--	--
Copper	1.0	0.2	0.5	--	1.0	--
Fluoride	4.0	--	--	4.0	--	2.0
Gross Alpha (pCi/L, including Radium-226, excluding Radon & Uranium)	15.0	15.0	15.0	15.0	--	--
Lead	0.015	5.0	0.1	--	0.015	--
Managnese	0.05	0.2	--	0.05	--	--
Mercury	0.002	--	0.00005	0.002	--	--
Nickel	--	0.2	--	--	--	--
Nitrate	10.0	--	--	10.0	--	--
pH (standard units)	6.5 - 8.5	4.5 - 9.0	6.5 - 8.5	--	--	6.5 - 8.5
Radium-226+Radium-228 (pCi/L)	5.0	5.0	5.0	5.0	--	--
Sulfate	250.0	200.0	3000.0	--	--	250.0
Total Dissolved Solids	500.0	2000.0	5000.0	--	--	500.0
Uranium	--	--	--	0.03	--	--
Vanadium	--	0.1	0.1	--	--	--
Zinc	5.0	2.0	25.0	--	--	5.0

All concentrations are in mg/L unless otherwise noted. Dashes indicate no criteria have been established.

WQD Class-of-Use criteria are from Table I in Chapter 8 (Quality Standards for Wyoming Groundwater) of the WQD Rules & Regulations, available at [http://deq.state.wy.us/wqd/WQDrules/Chapter\\_08.pdf](http://deq.state.wy.us/wqd/WQDrules/Chapter_08.pdf), accessed on Novmeber 3, 2008.

EPA Drinking Water Criteria are from <http://www.epa.gov/safewater/consumer/pdf/mcl.pdf>, accessed on November 3, 2008.



**THIS PAGE IS AN  
OVERSIZED DRAWING OR  
FIGURE,**

**THAT CAN BE VIEWED  
AT THE RECORD TITLED:**

**“PLATE D6-1a,  
Groundwater Permits Within 0.5 Miles  
of the Permit Area.**

**Drawing No.: WDEQLQD 1.0-6.1-  
12.17.07. ”**

**WITH IN THIS PACKAGE... OR  
BY SEARCHING USING THE  
DOCUMENT/REPORT NO.**

**D-01**

**THIS PAGE IS AN  
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FIGURE,  
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“PLATE D6-1b,  
Groundwater Permits Within 3 Miles  
Of the Permit Area.  
Drawing No.:WDEQLQD1.0-6.  
1-12.17.07. ”**

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### **3.0 MONITOR WELL LOCATIONS, INSTALLATION, AND COMPLETION**

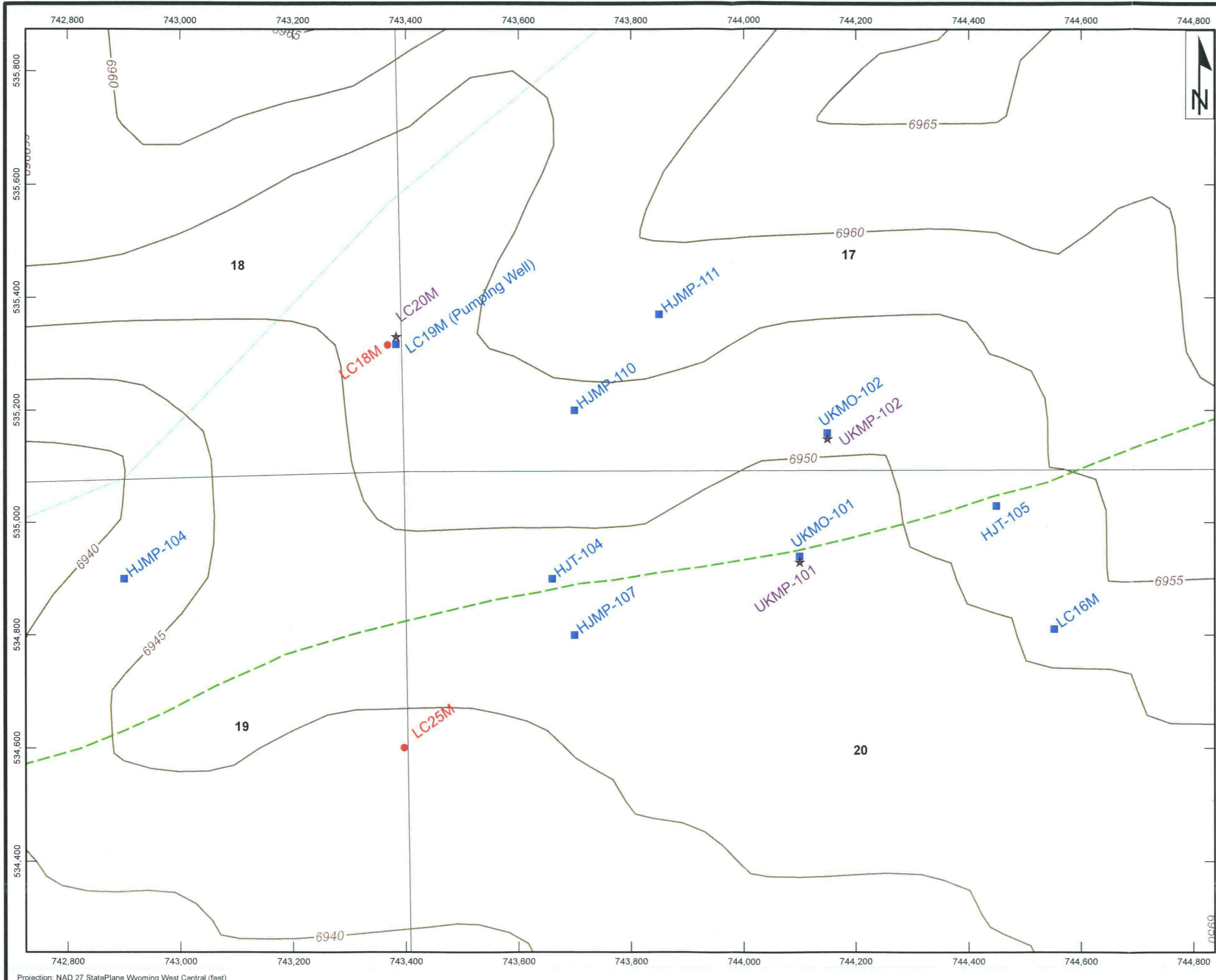
#### **3.1 WELL LOCATIONS**

The majority of the LCPA monitor wells are located within the planned mine units of the proposed permit area. The monitor wells included in the pump test are shown on Figure 1-2.

#### **3.2 WELL INSTALLATION AND COMPLETION**



For this test, LC ISR, LLC installed 15 new wells (Figure 1-2), including 9 Production Zone (HJ Horizon) monitor wells, 2 Overlying (LFG Sand) monitor wells, 3 Underlying (UKM Sand) monitor wells, and LC19M (pumping well completed in the HJ Horizon). LC19M was located on the north side of the Lost Creek Fault and was installed specifically for use as a pumping well.

All of the wells used for this test are located in Sections 17, 18, 19 and 20, Township 25 North, Range 92 West (Figure 1-2), and were constructed with 4.5-inch nominal diameter casing. The wells were developed using standard water well construction techniques, including air lifting, pumping, swabbing, and/or surging. Completion information for each well is provided in Appendix A. Specific data related to well location, construction, completion interval, and initial water levels are provided in Table 3-1. Well completion logs (with lithologic, geophysical, and completion information) for the monitoring wells are included in Attachment D6-3 to Appendix D6 of the permit application.



- Legend**
- LFG Monitor Well
  - HJ Monitor Well
  - ★ UKM Monitor Well
  - - - Lost Creek Fault
  - Surface Contour Interval - 5ft.

Scale: 1:2,000

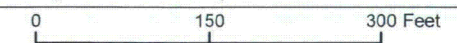

 Lost Creek ISR, LLC  
 Littleton, Colorado, USA  

 Petrotek  
 www.petrotek.com  
 Littleton, CO USA

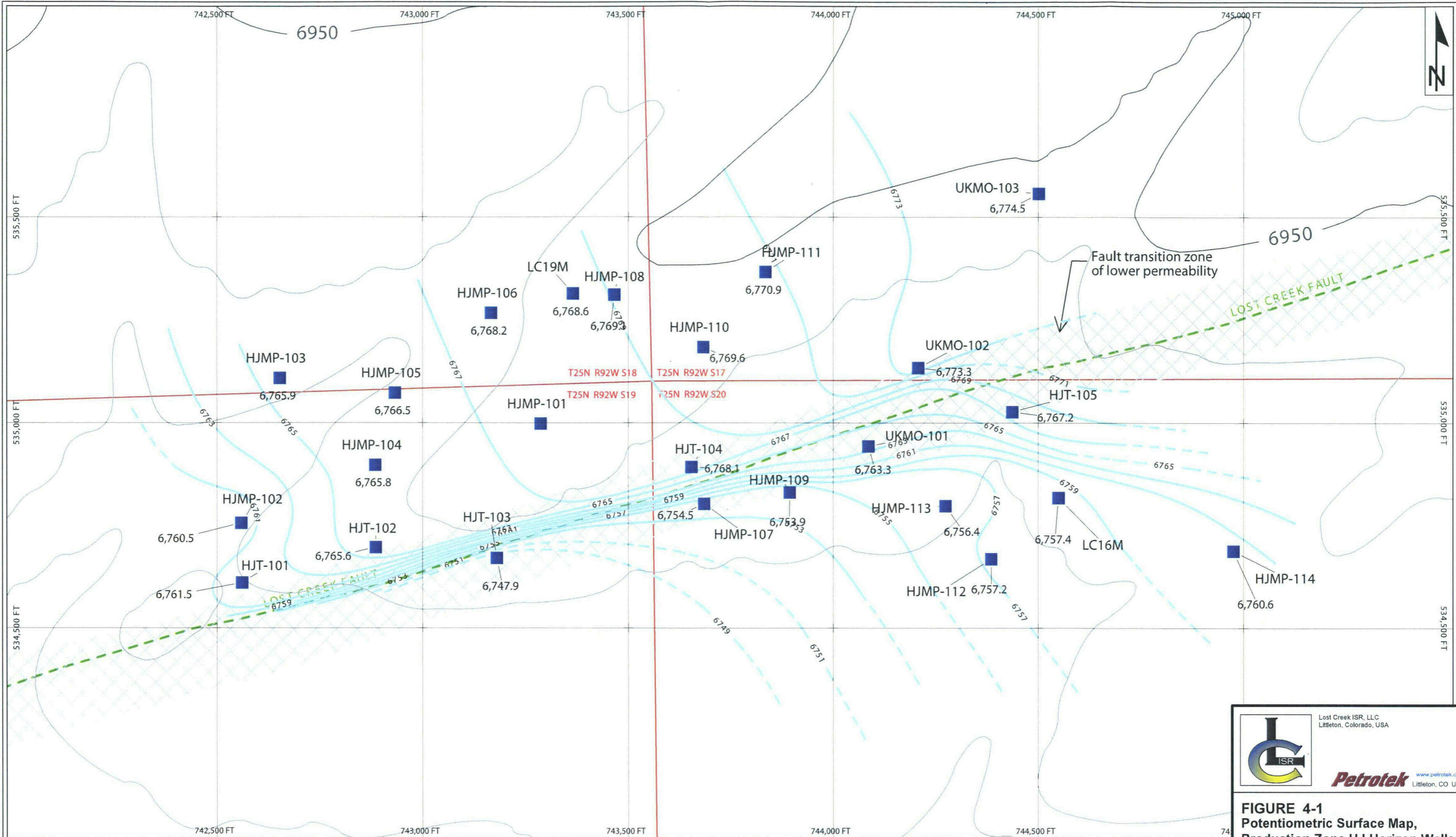
**FIGURE 1-2**  
**Pumping Test Monitoring Wells**  
**Lost Creek Permit Area**

Issued For: NRC PT 1.0 Drawn By: JM

Issued/ Revised: 04.30.09

Drawing No.: LC19M PT Figure 1-2.mxd 04.20.09-JLM






**Legend**

- HJ Monitor Wells
- Potentiometric Surface (elev. in feet amsl)
- - - Inferred Potentiometric Surface (elev. in feet amsl)
- - - Lost Creek Fault
- Surface Contour Interval - 10ft.


 Lost Creek ISR, LLC  
 Littleton, Colorado, USA  

 Petrotek  
 www.petrotek.com  
 Littleton, CO USA

**FIGURE 4-1**  
**Potentiometric Surface Map,**  
**Production Zone HJ Horizon Wells**  
**(11/21/07)**  
**Lost Creek Permit Area**

Issued For: LC16M PT 1.0	Drawn By: JM
Issued/ Revised: 04.30.09	
Drawing No.: LC16M_PT_Figure_4-1.ai	
	

**Figure 6-2**  
**Lost Creek Regional Aquifer Test - North Test**

**Completed in HJ north of fault**

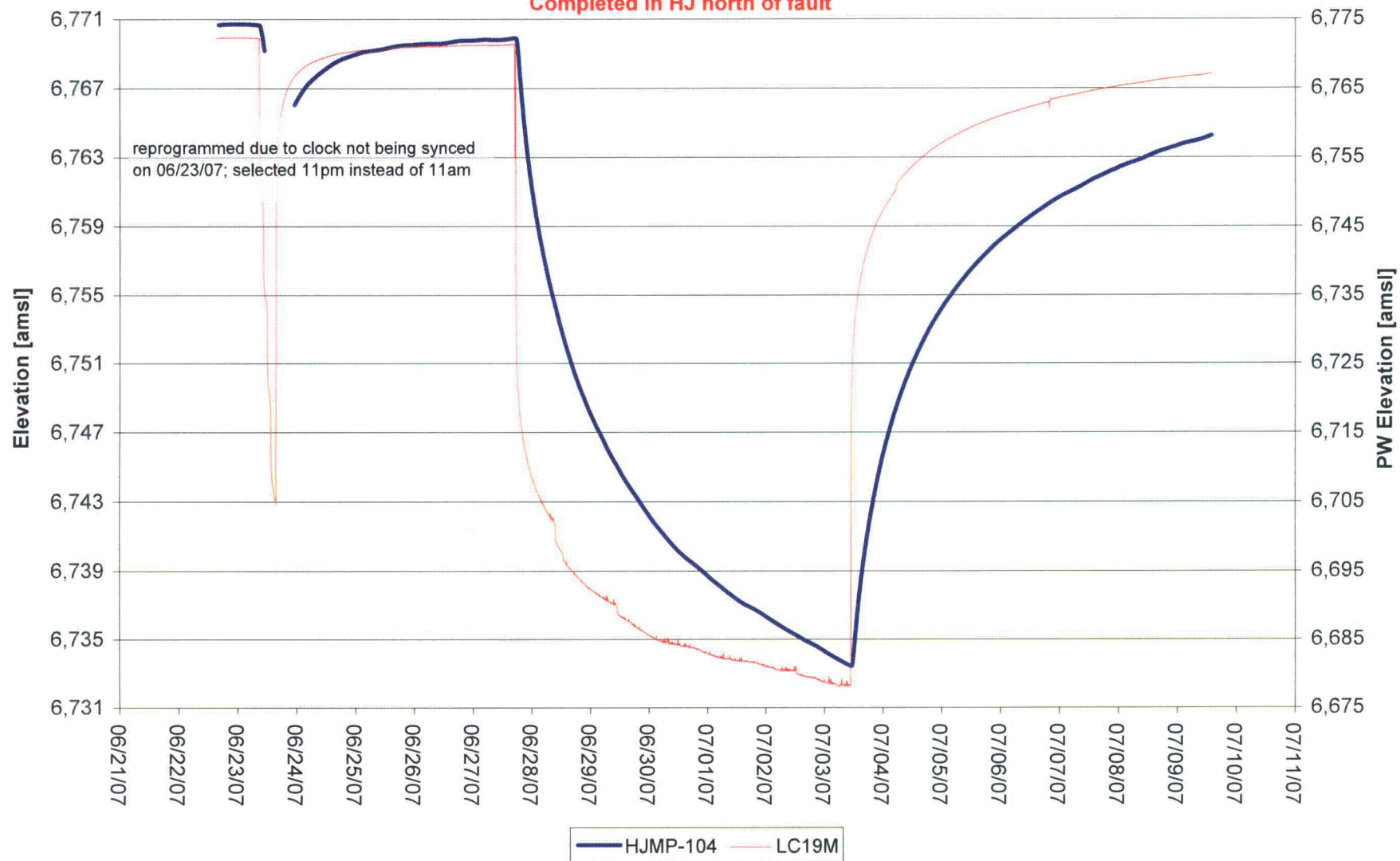
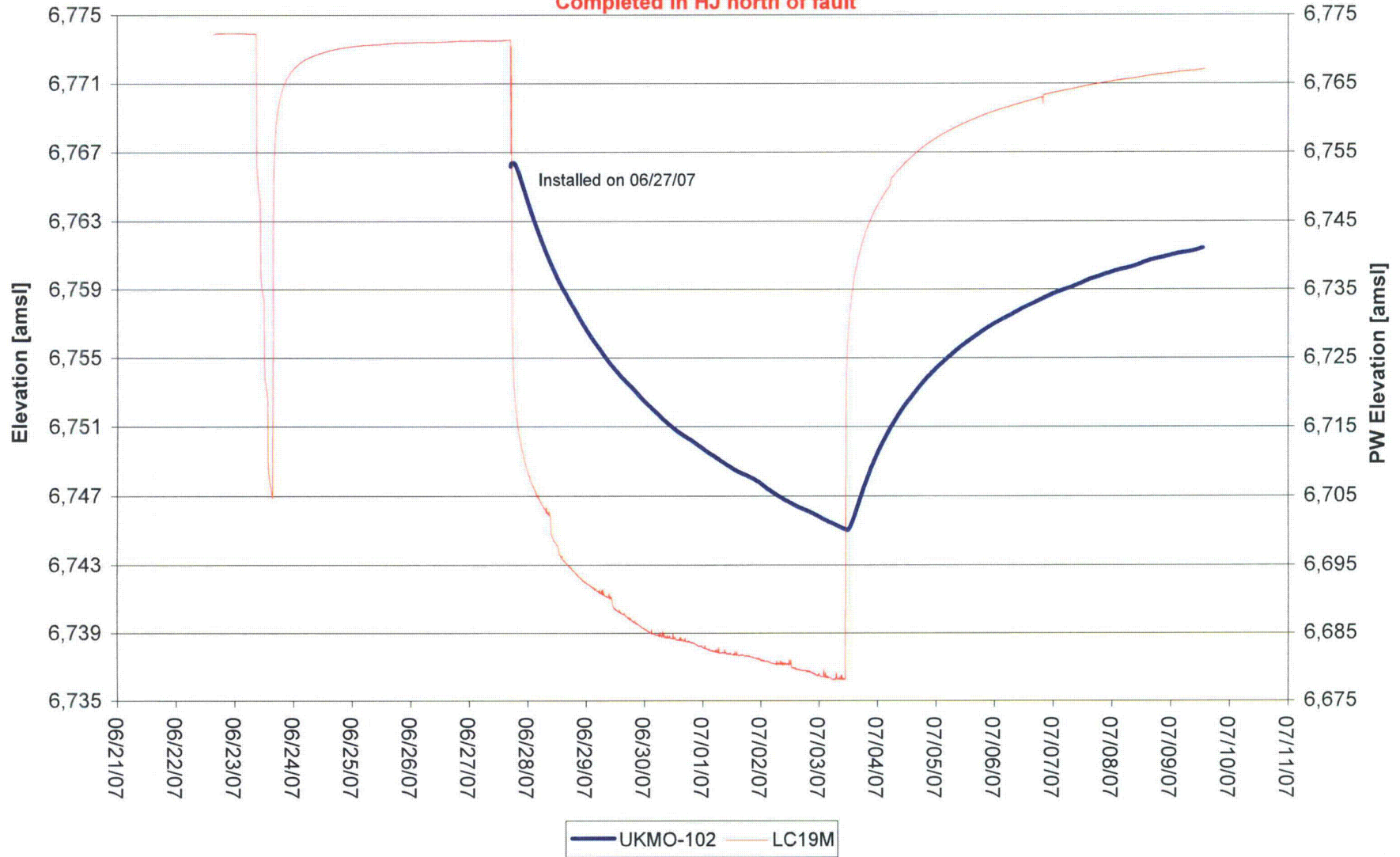
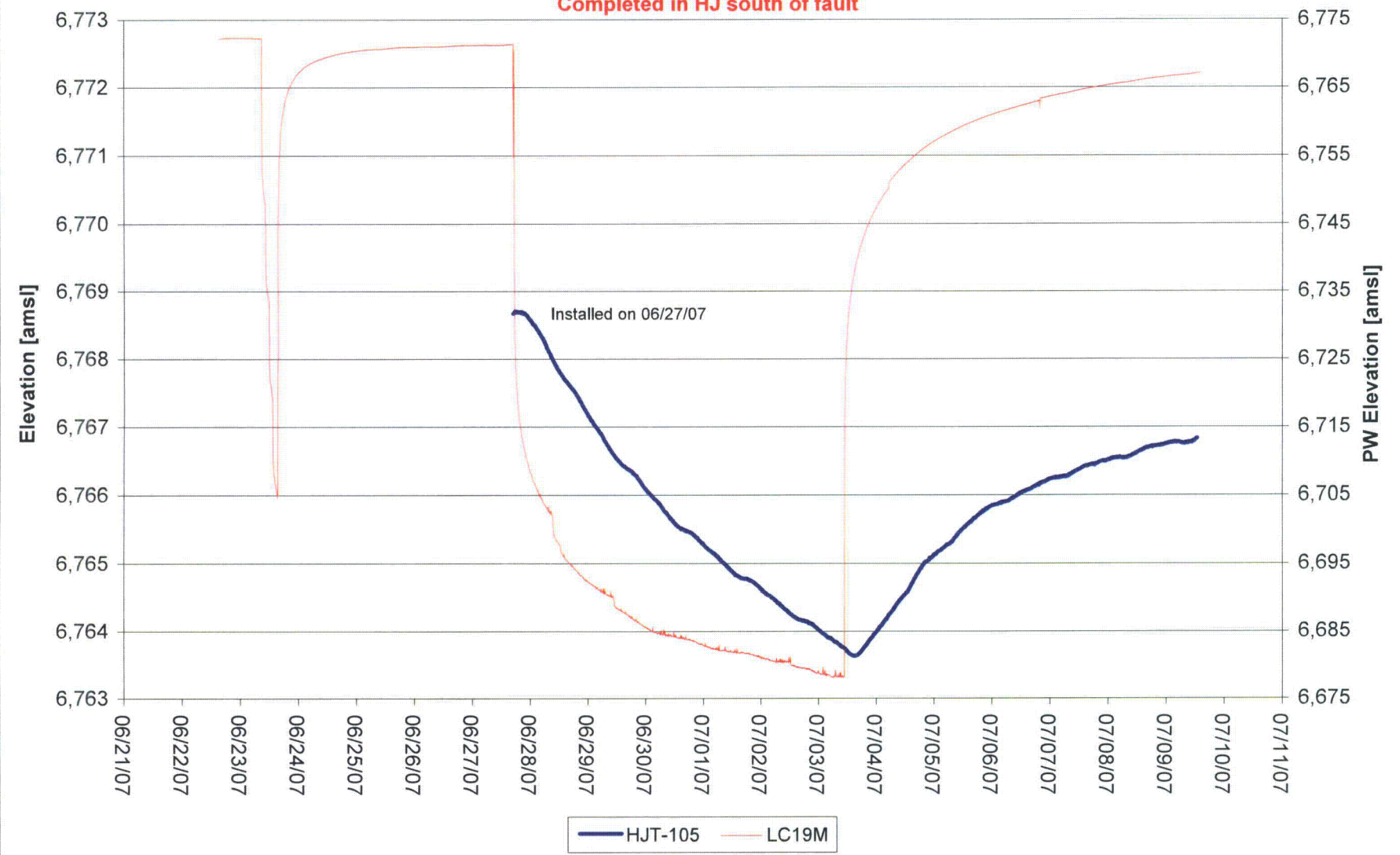


Figure 6-6  
Lost Creek Regional Aquifer Test - North Test

Completed in HJ north of fault



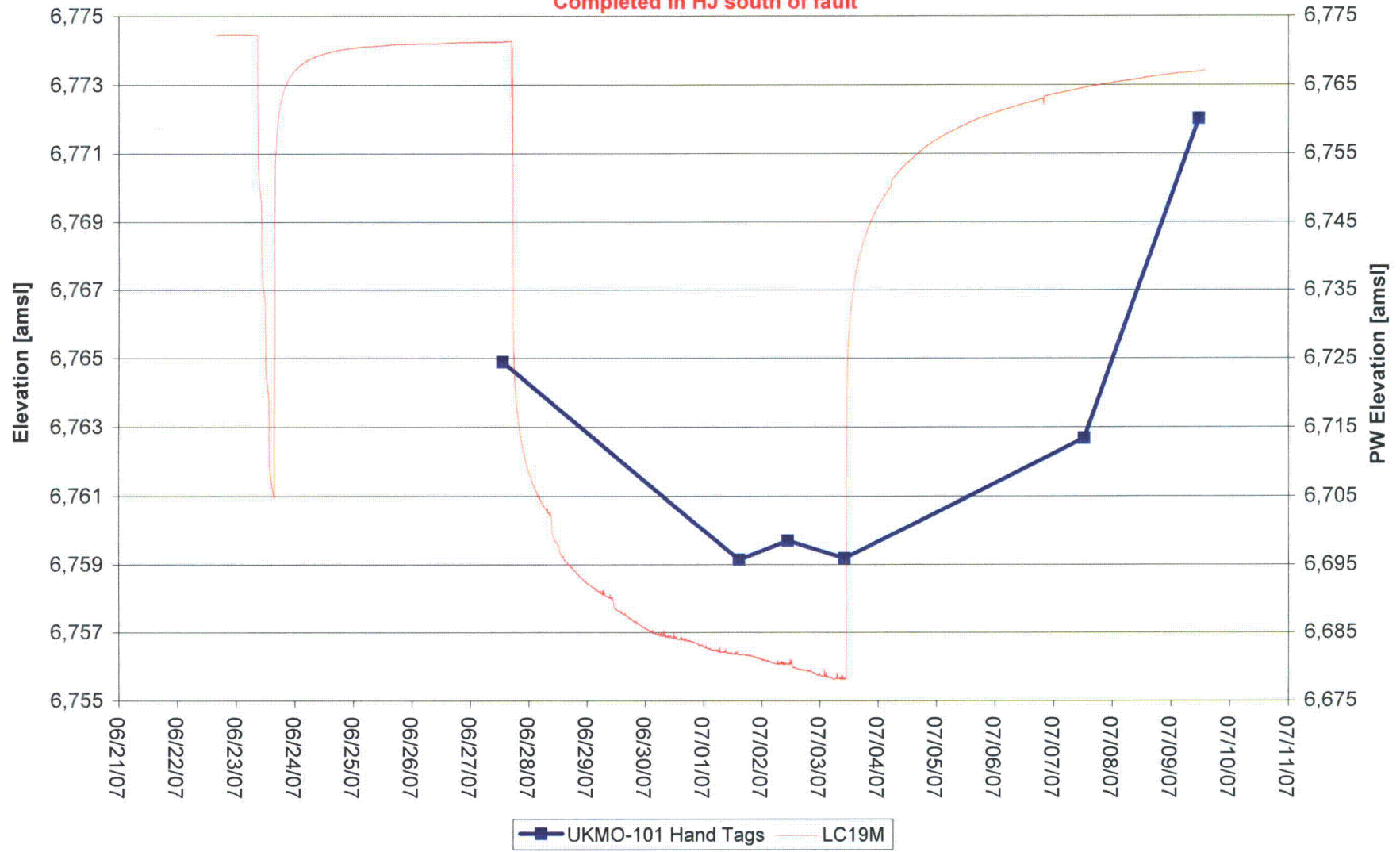
**Figure 6-8**  
**Lost Creek Regional Aquifer Test - North Test**  
**Completed in HJ south of fault**

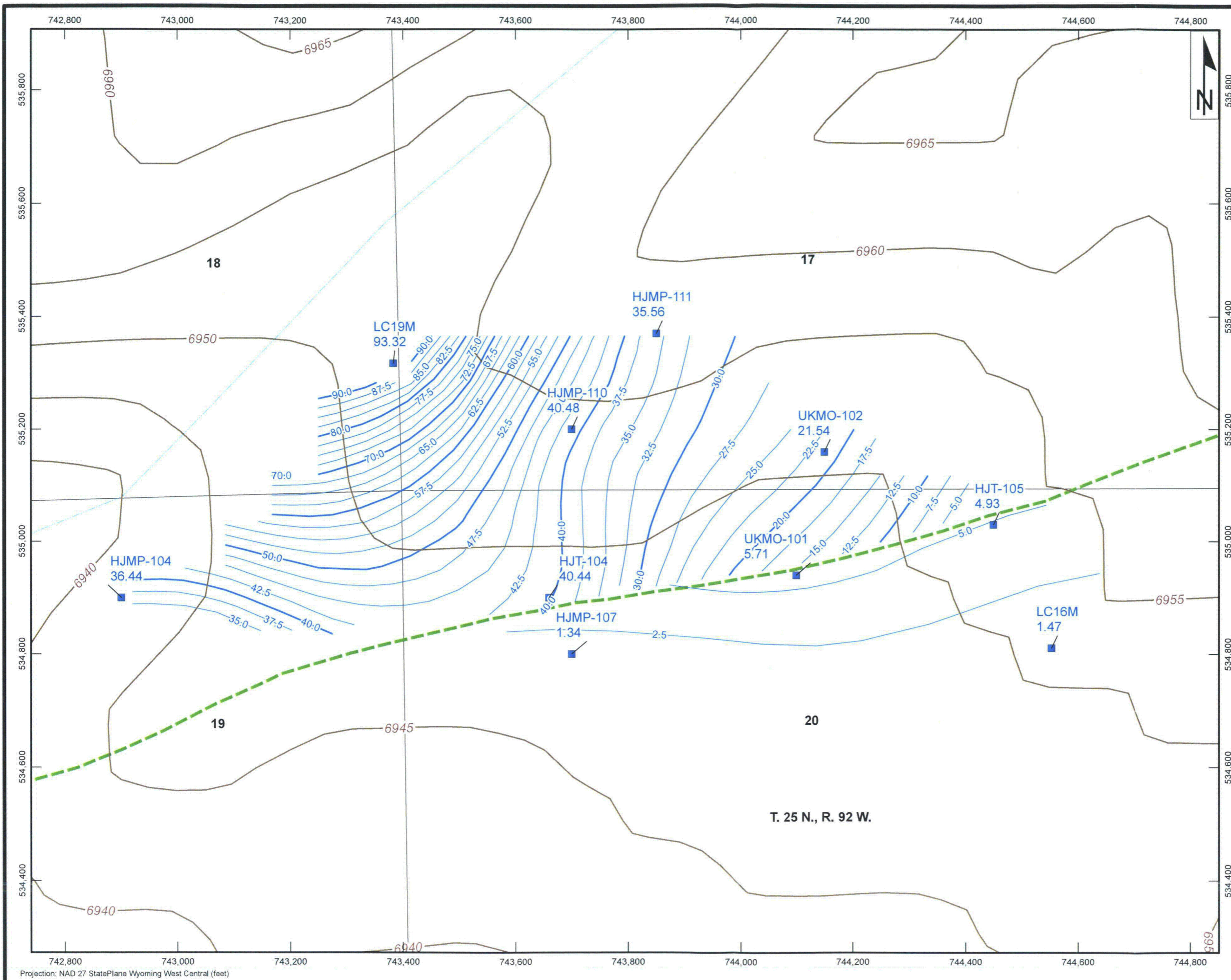




**Figure 6-10**  
**Lost Creek Regional Aquifer Test - North Test**



**Completed in HJ south of fault**





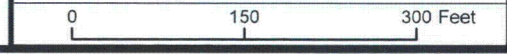
- Legend**
- HJ Monitor Well
  - Drawdown Contour (feet)
  - - - Lost Creek Fault
  - Surface Contour Interval - 5ft.

Scale: 1:2,000


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**FIGURE 6-16**  
**Drawdown in the HJ Aquifer at the**  
**End of the LC19M Pumping Test**

<b>Lost Creek Permit Area</b>	
Issued For: NRC PT 1.0	Drawn By: JM
Issued/ Revised: 04.20.09	
Drawing No.: LC19M PT Figure 6-16.mxd 04.20.09-JLM	



Projection: NAD 27 StatePlane Wyoming West Central (feet)



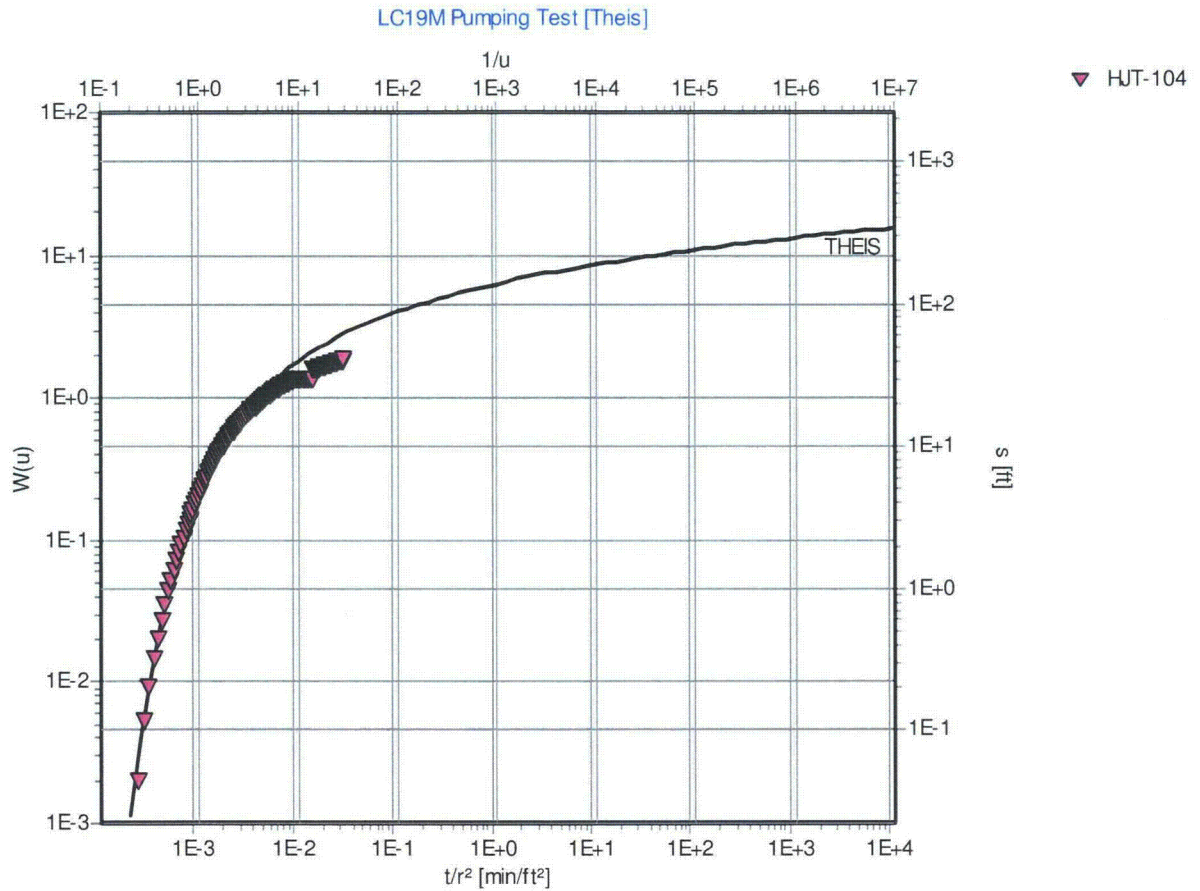
10286 West Chatfield Avenue • Suite 201 • Littleton, Colorado 80127-4239 USA  
 303-290-9414 • 303-290-9580 (fax) • [www.petrotek.com](http://www.petrotek.com)

**Pumping Test Analysis Report**

Project: Lost Creek LC19M Pumping Test 2007

Number: 315-4

Client: LC ISR, LLC



Pumping Test: LC19M Pumping Test

Analysis Method: Theis

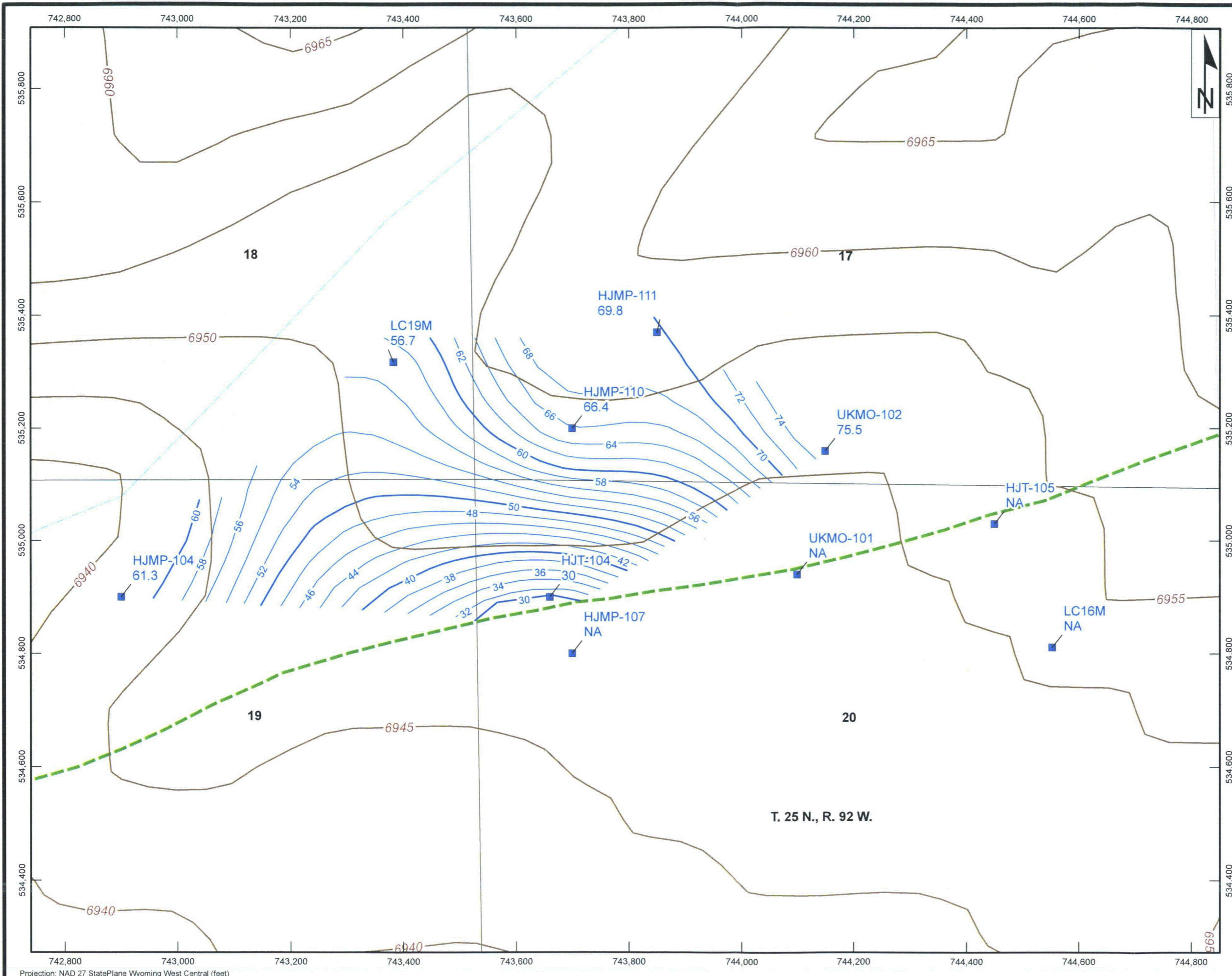
Analysis Results: Transmissivity: 3.00E+1 [ft<sup>2</sup>/d] Conductivity: 2.50E-1 [ft/d]  
 Storativity: 9.58E-5

Test parameters: Pumping Well: LC19M Aquifer Thickness: 120 [ft]  
 Casing radius: 0.1875 [ft] Confined Aquifer  
 Screen length: 51 [ft]  
 Boring radius: 0.4 [ft]  
 Discharge Rate: 42.9 [U.S. gal/min]

Comments: HJ observation well located on north side of Lost Creek Fault. Early to middle time data was used for match due to effects of Fault on later time data.

Figure 7-1  
 HJT-104 Theis Analysis

Evaluated by: KRS  
 Evaluation Date: 10/3/2007



**Legend**

- LC19M\_HJ\_Monitor\_Wells
- Lost Creek Fault
- Surface Contour Interval - 5ft.

Scale: 1:2,000

T. 25 N., R. 92 W.

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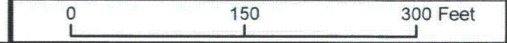
**Petrotek** www.petrotek.com  
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**FIGURE 7-2**  
**Spatial Distribution of**  
**Transmissivity (ft<sup>2</sup>/day)**  
**LC19M Pumping Test**  
**Lost Creek Permit Area**

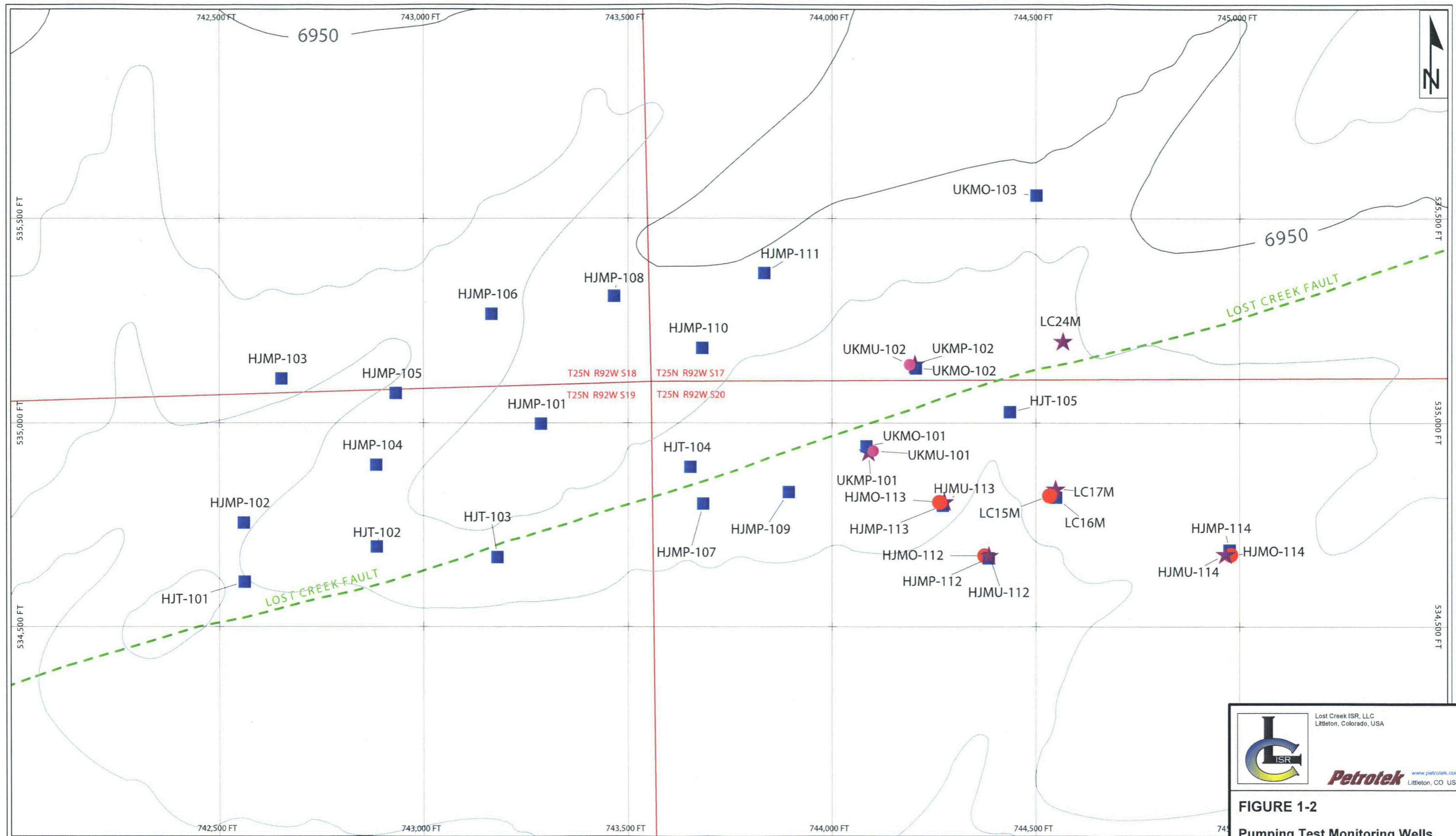
Issued For: NRC PT 1.0 Drawn By: JM

Issued/ Revised: 04.30.09

Drawing No.: LC19M PT Figure 7.2.mxd 04.20.09-JLM



Projection: NAD 27 StatePlane Wyoming West Central (feet)

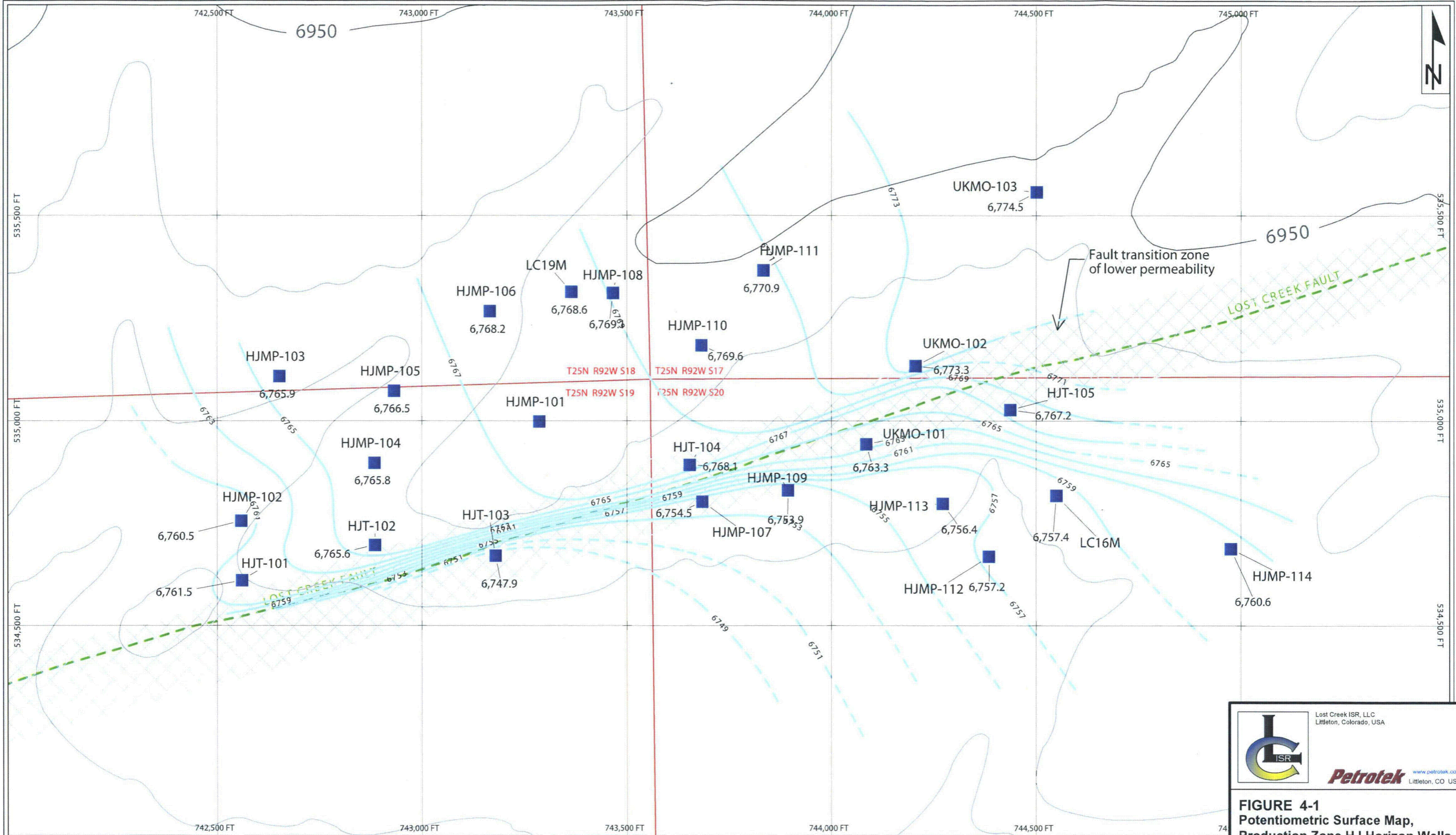


- Legend**
- Well Symbols
  - LFG Horizon
  - HJ Horizon
  - ★ UKM Horizon
  - MKM Horizon
  - Surface Contour Interval - 10ft.

**FIGURE 1-2**  
**Pumping Test Monitoring Wells**  
**Lost Creek Permit Area**


Issued For: LC16M PT 1.0      Drawn By: JM  
 Issued/ Revised: 04.30.09  
 Drawing No.: LC16M\_PT\_Figure\_1-2.ai

0      250 FEET




**Legend**

- HJ Monitor Wells
- Potentiometric Surface (elev. in feet amsl)
- - - Inferred Potentiometric Surface (elev. in feet amsl)
- - - Lost Creek Fault
- Surface Contour Interval - 10ft.



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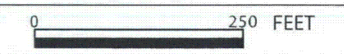
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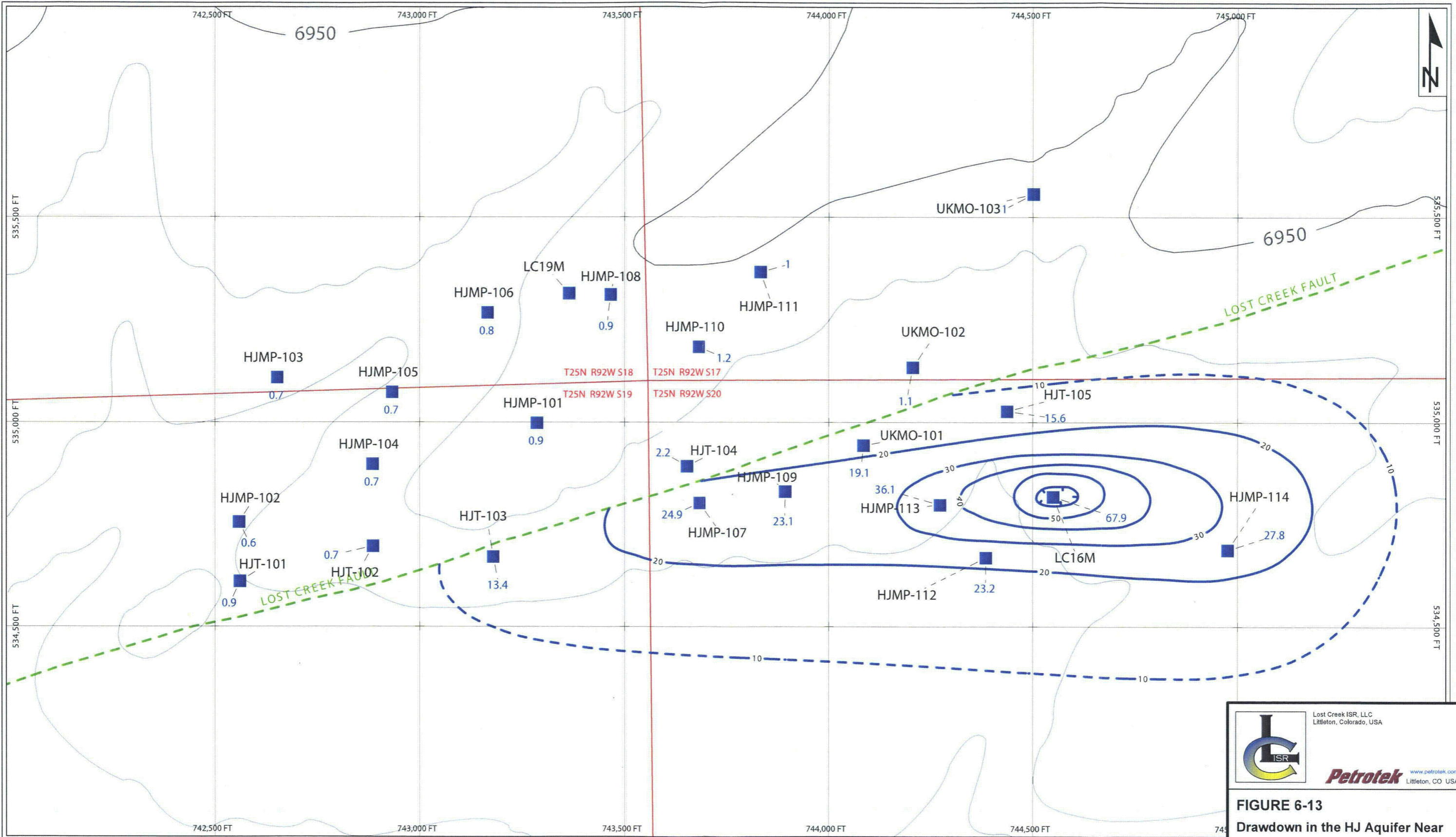
**FIGURE 4-1**  
**Potentiometric Surface Map,**  
**Production Zone HJ Horizon Wells**  
**(11/21/07)**  
**Lost Creek Permit Area**

Issued For: LC16M PT 1.0 Drawn By: JM

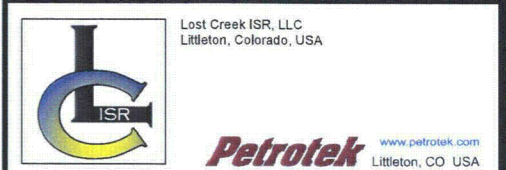
Issued/ Revised: 04.30.09

Drawing No.: LC16M\_PT\_Figure\_4-1.ai





- Legend
- Well Symbols
  - HJ Horizon
  - Drawdown Contour
  - Surface Contour Interval - 10ft.

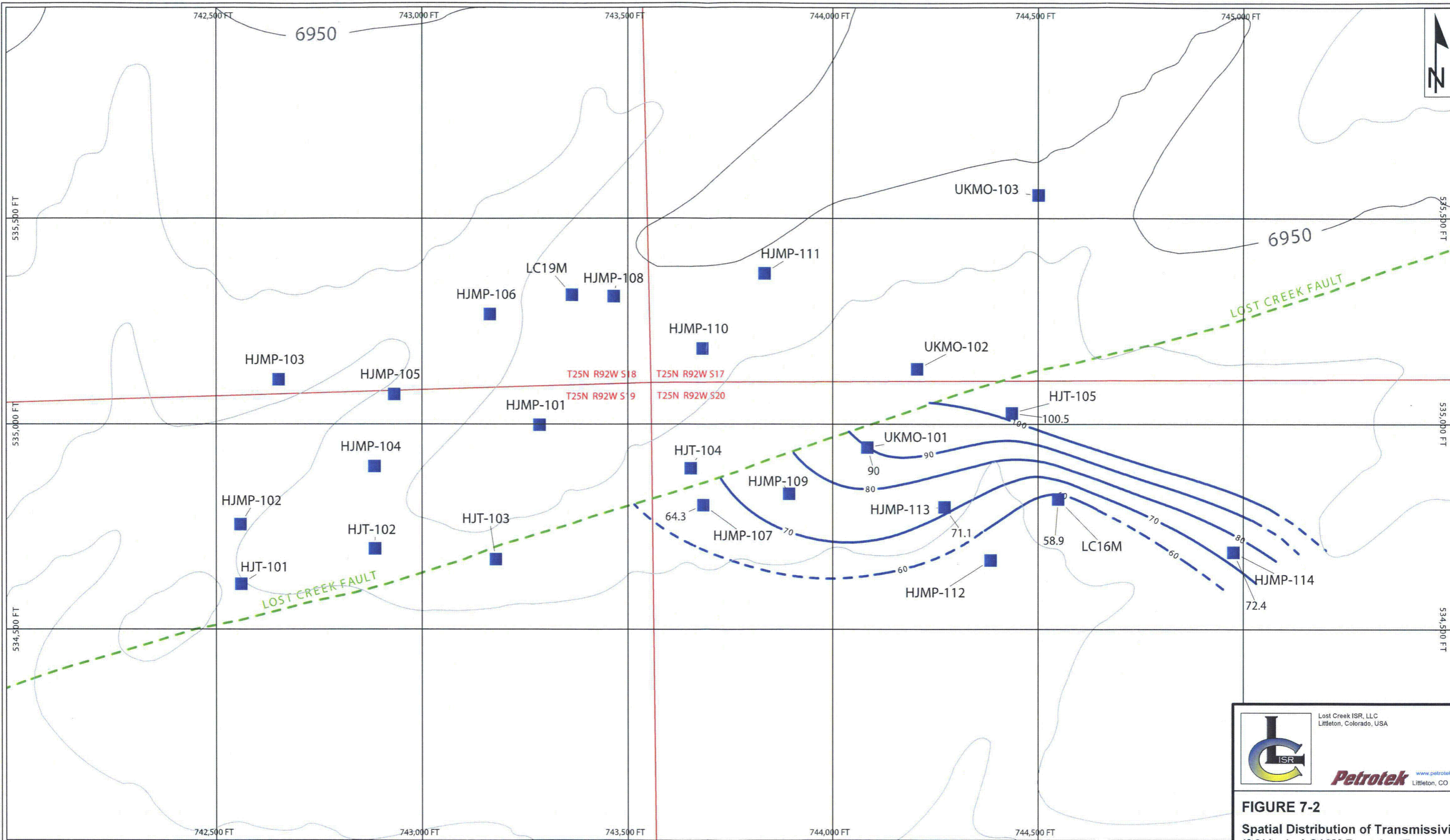


**FIGURE 6-13**  
**Drawdown in the HJ Aquifer Near End of the LC16M Pumping Test**  
**Lost Creek Permit Area**

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 Issued/ Revised: 04.30.09

Drawing No.: LC16M\_PT\_Figure\_6-13.ai

0      250 FEET



- Legend**
- Well Symbols
  - HJ Horizon
  - Transmissivity Contour (ft<sup>2</sup>/day)
  - Surface Contour Interval - 10ft.


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**FIGURE 7-2**  
**Spatial Distribution of Transmissivity (ft<sup>2</sup>/day) - LC16M Pumping Test**  
**Lost Creek Permit Area**

Issued For: LC16M PT 1.0	Drawn By: JM
Issued/ Revised: 04.30.09	
Drawing No.: LC16M_PT_Figure_7-2.ai	

0 250 FEET