

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
232	91	UT20676	02569	4304715681	PARIETTE BENCH U 4
243	14	UT22197	03720	4301330658	STATE 7-32-8-17
348	4	UT22197	03729	4301330919	ALLEN FED 22-6-9-17
181	4	UT22197	03730	4301330918	ALLEN FED 13-6-9-17
204	4	UT22197	03731	4301331195	ALLEN FED 31-6-9-17
240	4	UT22197	03732	4301315779	ALLEN FED 1-6-9-17
229	13	UT22197	03733	4301315780	ALLEN FED 1A-5-9-17
318	4	UT22197	03734	4301331362	MON FED 11-6-9-17
152	4	UT22197	03735	4301331363	MON FED 24-6-9-17
57	4	UT22197	03736	4301331361	MONUMENT 33-6-9-17
368	4	UT22197	03737	4301331364	MON FED 42-6-9-17
2	17	UT22197	03768	4301330665	BOUNDARY FED 13-21-8-17
355	14	UT22197	03769	4301331403	GILSONITE 13-32-8-17
190	13	UT22197	04208	4301331370	MON FED 13-5-9-17
202	13	UT22197	04209	4301331384	MON FED 22-5-9-17
186	13	UT22197	04210	4301331375	MON FED 24-5-9-17
129	5	UT22197	04211	4301331405	MON FED 31-7J-9-17
319	14	UT22197	04263	4301331523	GILSONITE ST 14I-32-8-17
343	21	UT22197	04265	4301330887	FEDERAL 11-9H-9-17
141	21	UT22197	04266	4301330656	FEDERAL 13-9H-9-17
356	12	UT22197	04267	4301331457	FEDERAL 22-8H-9-17
70	21	UT22197	04268	4301331049	FEDERAL NGC 22-9H-9-17
150	21	UT22197	04269	4301330682	NGC FED 24-9H-9-17
227	12	UT22197	04270	4301330679	FED NGC 31-8H-9-17
75	21	UT22197	04271	4301331108	FEDERAL 33-9H-9-17
220	12	UT22197	04272	4301330678	FEDERAL 42-8H-9-17
199	13	UT22197	04273	4301330913	FEDERAL 44-5H-9-17
341	36	UT22197	04275	4301331425	MON ST 14-2-9-17
67	36	UT22197	04276	4304732610	MONUMENT ST 22-2-9-17
34	5	UT22197	04281	4301331492	MON FED 11-7J-9-17
101	17	UT22197	04299	4301330752	BOUNDARY FED 11-21-8-17
174	76	UT22197	04300	4304731529	FEDERAL 33-34D-8-18
127	76	UT22197	04301	4304731346	FEDERAL 1-34-8-18
172	79	UT22197	04302	4304731208	FEDERAL 13-35D-8-18
108	79	UT22197	04303	4304731455	FEDERAL 2-35-8-18
277	5	UT22197	04304	4301330666	MOCON FED 44-7-9-17
178	12	UT22197	04305	4301331382	MON FED 13-8-9-17
328	12	UT22197	04306	4301330675	PAIUTE FED 24-8-9-17
176	12	UT22197	04307	4301331427	MON FED 33-8-9-17
344	12	UT22197	04308	4301330643	MONUMENT FED 44-8-9-17B
195	22	UT22197	04309	4301330616	MON ST 11-16-9-17B
98	22	UT22197	04310	4301331580	MON ST 13-16B-9-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Authorized by UT20676	Authorized by UT20676	
AC (Active)	Previously Authorized	Previously Authorized	1445
AC (Active)	Previously Authorized	Previously Authorized	2000
AC (Active)	Previously Authorized	Previously Authorized	1990
AC (Active)	Previously Authorized	Previously Authorized	2120
AC (Active)	Previously Authorized	Previously Authorized	1750
AC (Active)	Previously Authorized	Previously Authorized	1690
AC (Active)	Previously Authorized	Previously Authorized	2010
AC (Active)	Previously Authorized	Previously Authorized	1740
AC (Active)	Previously Authorized	Previously Authorized	1750
AC (Active)	Previously Authorized	Previously Authorized	1785
AC (Active)	Previously Authorized	Previously Authorized	1460
AC (Active)	Previously Authorized	Previously Authorized	1445
AC (Active)	Previously Authorized	Previously Authorized	1855
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	2020
AC (Active)	Previously Authorized	Previously Authorized	2010
AC (Active)	Previously Authorized	Previously Authorized	1675
AC (Active)	Previously Authorized	Previously Authorized	1320
AC (Active)	Previously Authorized	Previously Authorized	1300
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	1335
AC (Active)	Previously Authorized	Previously Authorized	1275
AC (Active)	Previously Authorized	Previously Authorized	2030
AC (Active)	Previously Authorized	Previously Authorized	1290
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	1685
AC (Active)	Previously Authorized	Previously Authorized	1595
AC (Active)	Previously Authorized	Previously Authorized	1865
AC (Active)	Previously Authorized	Previously Authorized	1675
AC (Active)	Previously Authorized	Previously Authorized	1600
AC (Active)	Previously Authorized	Previously Authorized	935
TA (Temporarily Aba	Previously Authorized	Not Authorized	1100
TA (Temporarily Aba	Previously Authorized	Not Authorized	930
TA (Temporarily Aba	Previously Authorized	Not Authorized	895
AC (Active)	Previously Authorized	Previously Authorized	1765
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	1670
AC (Active)	Previously Authorized	Previously Authorized	1680
AC (Active)	Previously Authorized	Previously Authorized	1655
AC (Active)	Previously Authorized	Previously Authorized	1595
AC (Active)	Previously Authorized	Previously Authorized	1785

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	190E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
7	4758	4769	3350	3328	3761
32	5177	5189	3740	3616	4116
6	5336	5350	890	3638	4050
6	5379	5393	250	3528	4038
6	5295	5309	2932	3642	4070
6	5321	5331	3698	3582	3962
5	5253	5263	3262	3555	4046
6	5320	5330	746	3635	4060
6	5580	5593	2092	3550	3960
6	5267	5277	1210	3554	3834
6	5308	5318	982	3635	4060
21	5258	5270	1650	3972	4485
32	4243	5263	900	3561	4066
5	5223	5236	2572	3513	3943
5	5241	5254	2860	3606	4025
5	5223	5236	2525		3920
7	5295	5308	1830	3468	3904
32	5242	6255	750	3568	4078
9	5258	5269	865	3440	3930
9	5276	5287	1927	3429	3868
8	5308	5320	912	3492	3914
9	5265	5277	1338	3430	3920
9	5257	5271	2042	3316	3810
8	5245	5259	3228	3387	3879
9	5223	5239	1364	3344	3840
8	5283	5297	3130	3417	3907
5	5250	5265	2742	3542	3962
2	5066	5076	860	3510	3910
2	5047	5057	1311	3673	4028
7	5345	5355	110	3400	3911
21	5240	5252	1590	4026	4536
34	4854	4868	2336	3701	4166
34	4860	4874	1800	3690	4152
35	4850	4864	2300	3710	4177
35	4833	4845	1670	3816	4200
7	5385	5399	527	3452	3885
8	5341	5353	2412		3878
8	5350	5361	778	3425	3850
8	5319	5329	2390	3472	3894
8	5319	5336	868	3440	3864
16	5310	5322	2640	3318	3866
16	5309	5318	1550	3208	3718

TD_KB	EPA CBL Reviewer Comments
5522	
6060	CBL is % TYPE
5754	
6054	
5157	
6270	CBL % type (scale is backwards)
5660	Gap in CBL 830'-4000'
5700	Gap in CBL 2260-4000 No CB
5740	Gap in CBL 1310'-4000' Confinin
5800	Gap in CBL (1144'-4194') Doesn't
5752	T8S-R17E. Original name on CBL
6397	
5750	
5850	
5700	Gap in CBL 2678'-3898'. No 80%
5700	API number not on CBL
5391	RTS 1/19/07
6113	See well review sheet
6165	See well review sheet.
6100	See well review sheet.
5900	see review sheet
6020	See special requirements.
6290	See well review sheet.
5900	See well review sheet.
6205	See well review sheet.
5954	
5800	
5798	
5900	No RTS in file
6000	T8S-R17E
6190	
6107	No CBL at State or Newfield.
6250	
5750	See Review sheet.
5700	See well review sheet.
6011	See well review sheet.
5700	See well review sheet.
5848	See well review sheet.
6065	
5600	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
338	22	UT22197	04311	4301331145	MON ST 22-16B-9-17
347	11	UT22197	04312	4301330516	PAIUTE FED 11-17-9-17
196	11	UT22197	04313	4301330499	POMCO 5-17-9-17
197	11	UT22197	04314	4301331429	MON FED 22-17-9-17
177	11	UT22197	04315	4301331428	MON FED 31-17-9-17
123	11	UT22197	04316	4301331581	MONUMENT FED 33-17-9-17B
160	11	UT22197	04317	4301331467	BALCRON MON FED 42-17-9-1
170	14	UT22197	04333	4301331584	GILSONITE ST 15-32I-8-17
230	17	UT22197	04339	4301331622	BOUNDARY FED 15-21
180	16	UT22197	04353	4301330750	BOUNDARY FED 7-20-8-17
233	14	UT22197	04383	4301330713	STATE 9-32-8-17
267	16	UT22197	04396	4301330690	Boundary Federal 9-20-8-17
148	17	UT22197	04397	4301330822	BOUNDARY FED 5-21-8-17
336	2	UT22197	04407	4301331637	TAR SANDS FED 13-30-8-17
3	2	UT22197	04408	4301331620	TAR SANDS FED 5-30-8-17
4	1	UT22197	04409	4301331625	BOUNDARY FED 13-19-8-17
68	36	UT22197	04427	4304732563	MONUMENT STATE 31-2-9-17
138	36	UT22197	04429	4301331685	MONUMENT ST 11-2-9-17CD
58	36	UT22197	04430	4301331482	MONUMENT ST 13-2-9-17
303	2	UT22197	04431	4301331755	TAR SANDS FED 3-30-8-17
26	18	UT22197	04432	4301331697	TAR SANDS FED 5i-28-8-17
363	18	UT22197	04433	4301331623	TAR SANDS FED 3-28-8-17
114	2	UT22197	04437	4301331898	TAR SANDS FED 1-30-8-17
251	2	UT22197	04438	4301331807	TAR SANDS FED 7-30-8-17
109	2	UT22197	04439	4301331873	TAR SANDS FED 9-30-8-17
287	2	UT22197	04440	4301331732	TAR SANDS FED 11-30-8-17
45	2	UT22197	04441	4301331874	TAR SANDS FED 15-30-8-17
365	3	UT22197	04442	4301331733	TAR SANDS FED 3-31-8-17
66	3	UT22197	04443	4301331684	TAR SANDS FED 7-31-8-17
122	5	UT22197	04445	4301331989	JONAH 8-7-9-17
218	15	UT22197	04447	4301331743	TAR SANDS FED 1-29-8-17
335	17	UT22197	04448	4301331640	BOUNDARY 7-21-8-17
367	17	UT22197	04449	4301331542	BOUNDARY FED 9-21-8-17
30	18	UT22197	04450	4301331771	TAR SANDS FED 13-28-8-17
140	48	UT22197	04452	4304732713	PARIETTE FED 12-24-8-17
59	48	UT22197	04453	4304732645	PARIETTE FED 14-24-8-17
131	48	UT22197	04454	4304732710	PARIETTE FED 23-24-8-17
358	27	UT22197	04456	4301331992	S PLEASANT VALLEY 15-15-9-1
85	27	UT22197	04457	4301331991	S PLEASANT VALLEY 11-15-9-1
221	33	UT22197	04458	4304731543	PARIETTE DRAW FED 9-23-8-1
159	48	UT22197	04459	4304732506	PARIETTE FED 34-24-8-17
189	47	UT22197	04460	4304732526	MONUMENT FED 12-25-8-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1795
AC (Active)	Previously Authorized	Previously Authorized	1930
AC (Active)	Previously Authorized	Previously Authorized	1895
AC (Active)	Previously Authorized	Previously Authorized	1910
AC (Active)	Previously Authorized	Previously Authorized	1925
AC (Active)	Previously Authorized	Previously Authorized	1875
AC (Active)	Previously Authorized	Previously Authorized	1905
AC (Active)	Previously Authorized	Previously Authorized	1685
AC (Active)	Previously Authorized	Previously Authorized	1485
AC (Active)	Previously Authorized	Previously Authorized	1475
AC (Active)	Previously Authorized	Previously Authorized	1465
AC (Active)	Previously Authorized	Previously Authorized	1490
AC (Active)	Previously Authorized	Previously Authorized	1675
AC (Active)	Previously Authorized	Previously Authorized	1145
AC (Active)	Previously Authorized	Previously Authorized	1330
AC (Active)	Previously Authorized	Previously Authorized	1570
AC (Active)	Previously Authorized	Previously Authorized	1680
AC (Active)	Previously Authorized	Previously Authorized	1590
AC (Active)	Previously Authorized	Previously Authorized	1625
AC (Active)	Previously Authorized	Previously Authorized	1195
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	1840
AC (Active)	Previously Authorized	Previously Authorized	1205
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Previously Authorized	1295
AC (Active)	Previously Authorized	Previously Authorized	1310
AC (Active)	Previously Authorized	Previously Authorized	1140
AC (Active)	Previously Authorized	Previously Authorized	1065
AC (Active)	Previously Authorized	Previously Authorized	950
AC (Active)	Previously Authorized	Previously Authorized	1860
AC (Active)	Previously Authorized	Previously Authorized	1625
AC (Active)	Previously Authorized	Previously Authorized	1680
AC (Active)	Previously Authorized	Previously Authorized	1510
AC (Active)	Previously Authorized	Previously Authorized	1630
AC (Active)	Previously Authorized	Previously Authorized	1225
AC (Active)	Previously Authorized	Previously Authorized	1200
AC (Active)	Previously Authorized	Previously Authorized	1060
AC (Active)	Previously Authorized	Previously Authorized	1580
AC (Active)	Previously Authorized	Previously Authorized	1505
AC (Active)	Previously Authorized	Previously Authorized	1370
AC (Active)	Previously Authorized	Previously Authorized	1165
AC (Active)	Previously Authorized	Previously Authorized	1160

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
16	5273	5283	850	3246	3753
17	5388	5400	880	3356	3854
17	5417	5429	2700	3274	3768
17	5383	5393	2735	3308	3804
17	5360	5370	2410	3339	3834
17	5350	5360	1780	3232	3731
17	5342	5352	2180	3288	3788
32	5208	5221	2296	3582	4093
21	5223	5236	330	3983	4490
20	5279	5292	2454	4258	4574
32	5185	5195	3350	3611	4122
20	5266	5284	3656	4020	4530
21	5241	5252	2008	4052	4579
30	5282	5295	840	3746	4239
30	5420	5433	0	3902	4424
19	5379	5392	0	3961	4484
2	5002	5012	1316	3714	4054
2	5044	5054	1910	3674	4052
2	5077	5087	1238	3610	4003
30	5349	5362	691	3900	4422
28	5240	5252	1000	3877	4390
28	5236	5249	94	3940	4450
30	5298	5308	1720	3884	4404
30	5362	5375	398	3868	4385
30	5292	5305	1682	3784	4304
30	5299	5312	600	3764	4282
30	5284	5296	1131	3740	4254
31	5283	5296	977	3693	4204
31	5298	5310	1305	3685	4193
7	5304	5316	1778	3441	3879
29	5231	5244	312	3885	4394
21	5208	5221	808	4062	4569
21	5209	5222	981	4031	4538
28	5139	5152	1054	3689	4192
24	5052	5062	1920	4070	4521
24	5021	5031	1240	4352	4420
24	5002	5012	1850	4006	4458
15	5257	5272	924	3293	3677
15	5240	5250	142	3316	3700
23	5040	5053	3136	4150	4486
24	4987	4997	2160	4000	4412
25	5059	5071	2560	3918	4404

TD_KB	EPA CBL Reviewer Comments
5600	
5760	T9S-R17E
5440	T9S-R17E
5650	A.k.a. Balcron Monument Federal
5750	
5600	
5697	T9S-R17E
6100	RTS in U2 10/19/06
6360	T8S-R17E
6900	Questionable CBL (1983 % type)
56518	
6985	Newfield raised cement in this w
6859	T8S-R17E
6140	
6260	T8S-R17E
6300	80% BONDD: 4120' - 4794'; 3880'
5850	
5450	
5850	
6250	T8S-R17E
6380	Note: Well name is also written:
6414	T8S-R17E
6250	
6205	T8S-R17E
6125	T8S-R17E
6148	T8S-R17E
6028	
6075	
6170	
5700	UT -04445
6425	T8S-R17E
6350	T8S-R17E
6413	T8S-R17E
6050	T8S-R17E
6550	RTS 7/17/06
6480	RTS 7/14/06
6300	
5500	
5500	RTS: 2/23/06
6802	RTS 6/06/06
6400	RTS 7/ 17/06 CBL TOP 4
6250	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
133	47	UT22197	04461	4304732528	BALCRON MON FED 21-25-8-1
166	47	UT22197	04462	4304732529	MONUMENT FED 23-25-8-17
194	47	UT22197	04463	4304732524	BALCRON MONUMENT FED 32
119	47	UT22197	04464	4304732670	BALCRON MONUMENT FED 34
219	14	UT22197	04465	4301330691	STATE 1A-32-8-17
156	14	UT22197	04467	4301330599	STATE 1-32-8-17
244	14	UT22197	04468	4301330714	STATE 5-32-8-17
130	5	UT22197	04470	4301331987	JONAH 6-7-9-17
153	15	UT22197	04471	4301331942	SAND WASH 9-29-8-17
128	36	UT22197	04474	4304731195	CASTLE DRAW 10-2R-9-17
206	32	UT22197	04477	4301331476	BALCRON FED 12-22Y-8-17
359	32	UT22197	04478	4301331702	MON FED 23-22Y-8-17
1057	32	UT22197	04479	4301331586	Monument Federal 32-22-8-1
90	6	UT22197	04480	4301332052	BELUGA 8-18-9-17
314	22	UT22197	04498	4301330572	K JORGENSON ST 16-4-9-17
1062	23	UT22197	04507	4301331563	S PLEASANT VALLEY FED 1-21-
99	26	UT22197	04508	4301332024	S PLEASANT VALLEY FED 3-22-
42	27	UT22197	04509	4301331886	S PLEASANT VALLEY 5-15-9-17
320	27	UT22197	04510	4301331695	FEDERAL 14-15H-9-17
235	18	UT22197	04511	4301332067	TAR SANDS FED 9-28-8-17
46	27	UT22197	04512	4301332020	S PLEASANT VALLEY FED 7-15-
87	27	UT22197	04513	4301330614	FED NGC 21-15H-9-17
187	19	UT22197	04514	4301331863	TAR SANDS FED 1-33-8-17
48	3	UT22197	04515	4301331607	TAR SANDS FED 5-31-8-17
165	19	UT22197	04516	4301331860	TAR SANDS FED 7-33-8-17
330	15	UT22197	04517	4301331925	TAR SANDS FED 13-29-8-17
51	15	UT22197	04518	4301332061	TAR SANDS FED 5-29-8-17
349	18	UT22197	04519	4301332069	TAR SANDS FED 7-28-8-17
396	19	UT22197	04528	4301331665	TAR SANDS FED 5-33-8-17
49	20	UT22197	04529	4301332075	CASTLE DRAW 6-4-9-17
316	20	UT22197	04530	4301332082	CASTLE DRAW 12-4-9-17
325	13	UT22197	04531	4301331680	MONUMENT FED 31-5-9-17
334	21	UT22197	04532	4301331107	FEDERAL 31R-9H-9-17
299	15	UT22197	04533	4301332058	TAR SANDS FED 15-29-8-17
120	20	UT22197	04534	4301331452	FEDERAL 44-4Y-9-17
327	36	UT22197	04544	4304733240	CASTLE DRAW 16-2-9-17
168	5	UT22197	04545	4301332049	BELUGA 14-7-9-17
84	46	UT22197	04600	4304733015	ODEKIRK SPRING 3-36-8-17
279	46	UT22197	04601	4304733078	ODEKIRK SPRING 7-36-8-17
33	46	UT22197	04602	4304733077	ODEKIRK SPRING 11-36-8-17
1061	46	UT22197	04613	4304733195	ODEKIRK SPRING 1-36-8-17
5	46	UT22197	04614	4304733014	ODEKIRK SPRING 5-36-8-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1320
AC (Active)	Previously Authorized	Previously Authorized	1130
AC (Active)	Previously Authorized	Previously Authorized	1135
AC (Active)	Previously Authorized	Previously Authorized	1110
AC (Active)	Previously Authorized	Previously Authorized	1570
AC (Active)	Previously Authorized	Previously Authorized	1485
AC (Active)	Previously Authorized	Previously Authorized	1480
AC (Active)	Previously Authorized	Previously Authorized	1705
AC (Active)	Previously Authorized	Previously Authorized	1580
AC (Active)	Previously Authorized	Previously Authorized	1595
AC (Active)	Previously Authorized	Previously Authorized	1315
AC (Active)	Previously Authorized	Previously Authorized	1305
AC (Active)	Previously Authorized	Not Authorized	1240
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Previously Authorized	1775
AC (Active)	Previously Authorized	Previously Authorized	1945
AC (Active)	Previously Authorized	Previously Authorized	1455
AC (Active)	Previously Authorized	Previously Authorized	1355
AC (Active)	Previously Authorized	Previously Authorized	1330
AC (Active)	Previously Authorized	Previously Authorized	1495
AC (Active)	Previously Authorized	Previously Authorized	1550
AC (Active)	Previously Authorized	Previously Authorized	1315
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Previously Authorized	995
AC (Active)	Previously Authorized	Previously Authorized	1530
AC (Active)	Previously Authorized	Previously Authorized	1580
AC (Active)	Previously Authorized	Previously Authorized	1835
AC (Active)	Previously Authorized	Previously Authorized	1475
AC (Active)	Previously Authorized	Previously Authorized	1525
AC (Active)	Previously Authorized	Previously Authorized	1600
AC (Active)	Previously Authorized	Previously Authorized	1565
AC (Active)	Previously Authorized	Previously Authorized	1680
AC (Active)	Previously Authorized	Previously Authorized	1415
AC (Active)	Previously Authorized	Previously Authorized	1565
AC (Active)	Previously Authorized	Previously Authorized	1615
AC (Active)	Previously Authorized	Previously Authorized	1765
AC (Active)	Previously Authorized	Previously Authorized	1660
AC (Active)	Previously Authorized	Previously Authorized	1255
AC (Active)	Previously Authorized	Previously Authorized	1205
AC (Active)	Previously Authorized	Previously Authorized	1360
AC (Active)	Previously Authorized	Previously Authorized	1380
AC (Active)	Previously Authorized	Previously Authorized	1360

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	No	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
25	5060	5070	1874	3956	4440
25	4992	5002	2230	3811	4297
25	5014	5025	2638	3900	4380
25	5007	5017	1730	3802	4286
32	5205	5223	3120	3722	4230
32	5207	5224	2130	3654	3870
32	5263	5275	3740	3687	4192
7	5420	5430	1849	3454	3968
29	5183	5193	210	3751	4252
2	5050	5064	1822	3630	3975
22	5197	5207	2983	4053	4557
22	5180	5190	925	4028	4532
22	5120	5130	1702	4034	4536
18	5423	5433	150	3386	3818
16	5277	5289	73	3498	3710
21	5272	5285	0	3104	3600
22	5269	5279	1550	3140	3636
15	5213	5226	1120	3205	3709
15	5282	5295	750	3173	3680
28	5189	5201	344	3836	4352
15	5187	5197	114	3335	3714
15	5197	5211	1451	3261	3758
33	5095	5108	2527	3674	4180
31	5336	5348	1140	3695	4212
33	5133	5126	2225	3650	4152
29	5248	5261	795	3720	4231
29	5317	5327	1158	3874	4384
28	5194	5206	894	3858	4365
33	5131	5144	0	3642	4146
4	5194	5204	1140	3500	3998
4	5232	5242	740	3478	3984
5	5218	5228	770	3516	4038
9	5241	5257	806	3459	3956
29	5220	5232	680	3733	4235
4	5201	5211	1734	3458	3992
2	5059	5069	772	3555	3954
7	5395	5405	2255	3352	3860
36	5059	5069	1415	3826	4304
36	4999	5009	560	3738	4207
36	5015	5025	1080	3710	4190
36	5030	5040	683	3822	4293
36	5012	5022	0	3720	4212

TD_KB	EPA CBL Reviewer Comments
6290	
6200	RTS in U2 3/13/07
6250	RTS OF 7/17/06 ENTERED U2 10/
6175	see review sheet
5640	
6400	
5601	
5800	RTS 11/04/10 TOC by EPA cal
6100	A.k.a. "Tar Sands Federal 9-29-8-
6150	
6600	Location: T8S-R17E
6397	Well name sometimes has "Y" aft
6348	Injection well. The upper perfora
5600	
5750	Calculated TOC = 73'
5618	
5500	
5520	RTS: 1/11/07
5700	RTS: 12/11/05
6150	
5500	
5967	Newfield: Pleasant Valley 21-15H
5970	RTS 1/04/08 TOC/EPA = 2527
6098	
5877	RTS 1/08/07
6100	
6250	
6200	
5990	RTS 3/24/06
5910	
5746	
5718	Electronic CBL used
6000	See permit well review sheet.
6100	
5850	A.k.a. Balcron Federal 44-4Y-9-17
5670	
5650	
6050	RTS
6120	RTS: 5/10/10
6150	RTS in U2: 3/13/07
6170	RTS: 2/23/07
6050	RTS

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
283	46	UT22197	04615	4304733199	ODEKIRK SPRING 15-36-8-17
241	18	UT22197	04624	4301332134	TAR SANDS FEDERAL 11-28-8-
255	18	UT22197	04625	4301332109	TAR SANDS FED 15-28-8-17
214	20	UT22197	04630	4301332077	CASTLE DRAW 8-4-9-17
295	46	UT22197	04632	4304733197	ODEKIRK SPRING 9-36-8-17
234	6	UT22197	04661	4301330505	POMCO 2
1266	34	UT22197	04671	4304731953	FEDERAL 1-26-8-17
268	31	UT22197	04675	4301332224	GREATER BOUNDARY 3-27-8-1
89	15	UT22197	04680	4301332063	TAR SANDS FED 3-29-8-17
249	30	UT22197	04681	4301332252	GREATER BOUNDARY 1-34-8-1
296	32	UT22197	04682	4301332238	CANVASBACK 13A-22-8-17
228	14	UT22197	04683	4301330685	STATE 11-32-8-17
1	21	UT22197	06155	4301332078	CASTLE DRAW 8-9-9-17
44	29	UT22197	06163	4301331397	FEDERAL 24-3Y-9-17
179	28	UT22197	06164	4301331395	BALCRON FEDERAL 22-10Y
6	3	UT22197	06171	4301331616	TAR SANDS FED 9-31-8-17
256	31	UT22197	06172	4301332228	GREATER BOUNDARY 1-27-8-1
292	3	UT22197	06227	4301331654	TAR SANDS FED 1-31-8-17
7	19	UT22197	06231	4301331861	TAR SANDS FED 11-33-8-17
207	34	UT22197	06232	4301332290	GREATER BOUNDARY 5-26-8-1
231	18	UT22197	06276	4301332318	GEATER BOUNDRY 1-28-8-17
208	47	UT22197	06287	4304734200	HUMPBAC 13A-25-8-17
8	34	UT22197	06352	4304734310	GREATER BOUNDARY 11-26-8-
767	34	UT22197	06353	4304734164	GREATER BOUNDARY 7-26-8-
309	5	UT22197	06372	4301332048	BELUGA 10-7-9-17
253	32	UT22197	06415	4301332240	CANVASBACK 15-22-8-17
143	34	UT22197	06416	4304734160	HUMPBAC 1A-26-8-17
326	31	UT22197	06417	4301332225	GREATER BOUNDARY 5-27-8-1
312	31	UT22197	06485	4301332232	GREATER BOUNDARY 7-27-8-1
342	31	UT22197	06486	4301332234	GREATER BOUNDARY 9-27-8-1
55	31	UT22197	06487	4301332243	GREATER BOUNDARY 11-27-8-
257	47	UT22197	06512	4304734485	HUMPBAC 1-25-8-17
110	34	UT22197	06519	4304734162	HUMPBAC 9-26-8-17
203	33	UT22197	06520	4301332340	FEDERAL 13-23-8-17
246	31	UT22197	06522	4301332244	GREATER BOUNDARY 13-27-8-
91	28	UT22197	06599	4301332503	BLACKJACK FEDERAL 15-10-9-
132	36	UT22197	06608	4304732612	MONUMENT ST 24-2-9-17
139	19	UT22197	06609	4301331890	TAR SANDS FED 15-33-8-17
285	21	UT22197	06681	4301332516	BLACKJACK FEDERAL 16-9-9-1
9	33	UT22197	06682	4304734567	CANVASBACK 3-23-8-17
242	30	UT22197	06683	4301332255	GREATER BOUNDARY 5-34-8-1
10	33	UT22197	06684	4301332343	CANVASBACK 5-23-8-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1380
AC (Active)	Previously Authorized	Previously Authorized	1655
AC (Active)	Previously Authorized	Previously Authorized	1610
AC (Active)	Previously Authorized	Previously Authorized	1615
AC (Active)	Previously Authorized	Previously Authorized	1360
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Not Authorized	1370
AC (Active)	Previously Authorized	Previously Authorized	1315
AC (Active)	Previously Authorized	Previously Authorized	1805
AC (Active)	Previously Authorized	Previously Authorized	1200
AC (Active)	Previously Authorized	Previously Authorized	1270
AC (Active)	Previously Authorized	Previously Authorized	1460
AC (Active)	Previously Authorized	Previously Authorized	1315
AC (Active)	Previously Authorized	Previously Authorized	1515
AC (Active)	Previously Authorized	Previously Authorized	1545
AC (Active)	Previously Authorized	Previously Authorized	1060
AC (Active)	Previously Authorized	Previously Authorized	1305
AC (Active)	Previously Authorized	Previously Authorized	1060
AC (Active)	Previously Authorized	Previously Authorized	1600
AC (Active)	Previously Authorized	Previously Authorized	1445
AC (Active)	Previously Authorized	Previously Authorized	1670
AC (Active)	Previously Authorized	Previously Authorized	1120
AC (Active)	Previously Authorized	Previously Authorized	1575
AC (Active)	Previously Authorized	Previously Authorized	1420
AC (Active)	Previously Authorized	Previously Authorized	1655
AC (Active)	Previously Authorized	Previously Authorized	1590
AC (Active)	Previously Authorized	Previously Authorized	1435
AC (Active)	Previously Authorized	Previously Authorized	1315
AC (Active)	Previously Authorized	Previously Authorized	1340
AC (Active)	Previously Authorized	Previously Authorized	1325
AC (Active)	Previously Authorized	Previously Authorized	1300
AC (Active)	Previously Authorized	Previously Authorized	1305
AC (Active)	Previously Authorized	Previously Authorized	1415
AC (Active)	Previously Authorized	Previously Authorized	1220
AC (Active)	Previously Authorized	Previously Authorized	1420
AC (Active)	Previously Authorized	Previously Authorized	1760
AC (Active)	Previously Authorized	Previously Authorized	1590
AC (Active)	Previously Authorized	Previously Authorized	1470
AC (Active)	Previously Authorized	Previously Authorized	1490
AC (Active)	Previously Authorized	Previously Authorized	1230
AC (Active)	Previously Authorized	Previously Authorized	1375
AC (Active)	Previously Authorized	Previously Authorized	1160

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
36	5014	5024	580	3686	4161
28	5124	5134	370	3752	4259
28	5132	5142	408	3733	4238
4	5116	5126	310	3456	3997
36	5000	5010	650	3720	4207
18	5462	5475	3370	3370	3798
26	5129	5142	1327	3966	4469
27	5178	5188	465	3941	4447
29	5265	5275	1494	3880	4391
34	5060	5070	390	3736	4239
22	5161	5171	650	3946	4454
32	5246	5264	3250		
9	5192	5202	326	3384	3883
3	5099		1130	3503	3908
10	5121	5131	2450	3510	3840
31	5312	5322	0	3673	4182
27	5083	5093	410	3884	4390
31	5250	5263	638	3681	4195
33	5140	5153	0	3622	4129
26	5060	5072	300	3844	4345
28	5196	5206	330	3930	4447
25	5040	5052	300	3830	4312
26	5056	5068	0	3826	4327
26	5027	5039	35	3834	4333
7	5342	5352	7050	3355	3863
22	5168	5189	400	4006	4506
26	5013	5025	200	3864	4354
27	5178	5188	770	3878	4398
27	5146	5156	720	3882	4390
27	5117	5129	860	3841	4352
27	5080	5092	120	3756	4269
25	5009	5021	410	3965	4412
26	4991	5003	170	3767	4286
23	5147	5159	290	4132	4490
27	5085	5095	38	3710	4220
10	5187	5199	150	3302	3806
2	5042	5052	1852	3562	3906
33	5151	5161	1914	3582	4088
9	5219	5231	59	3312	3810
23	5059	5071	0	4236	4568
34	5139	5151	370	3708	4103
23	5075	5087	0	4020	4511

TD_KB	EPA CBL Reviewer Comments
5850	
6081	Other well names: "Greater Bou
6119	
5800	
5939	
5425	
7120	T8S-R17E. Upper perforations ar
6311	RTS IN U2 10/19/06
6300	
6260	
6323	
6300	RTS 3/23/06 CBL does not l
5635	See special requirements.
5900	No 80% CBL. No KB elevation.
5824	see review sheet
5948	
6339	
6100	
5900	RTS 12/28/09
6260	
6300	Well name: "Greater Boundary 1
6350	RTS APPROVED 10/4/10
6221	
6360	
5650	RTS 12/14/09 UT
6318	
6377	
6176	RTSA 10/08/10
6270	RTS 3/13/06
6330	
6290	
6363	RTS 1/24/07; IN U2 3/13/07
6351	
6408	
6289	RTS 12/30/05
5731	
5700	
5900	TOC per EPA calculation
5750	See special requirements.
6565	
6235	RTS 8/26/10
6365	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
380	33	UT22197	06685	4304734605	CANVASBACK 11-23-8-17
224	30	UT22197	06686	4301332257	GREATER BOUNDARY 7-34-8-1
61	47	UT22197	06687	4304734487	HUMPBAC 9-25-8-17
121	28	UT22197	06735	4301332505	BLACKJACK FEDERAL 12-10-9-
35	33	UT22197	06736	4304734566	HUMPBAC 1-23-8-17
275	48	UT22197	06737	4304734886	HUMPBAC FEDERAL 7-24-8-1
215	6	UT22197	06742	4301332274	BELUGA 4-18-9-17
304	30	UT22197	06743	4301332292	GREATER BOUNDARY 3-34-8-1
272	30	UT22197	06744	4301332331	GREATER BOUNDARY 9-34-8-1
346	29	UT22197	06745	4301332184	GREATER BOUNDARY FEDERA
209	3	UT22197	06746	4301332444	SANDWASH FEDERAL 11-31-8-
270	19	UT22197	06747	4301332515	BLACKJACK FEDERAL 9-33-8-1
250	48	UT22197	06748	4304734881	HUMPBAC FEDERAL 9-24-8-1
282	13	UT22197	06749	4301332552	BLACKJACK FEDERAL 8-5-9-17
239	20	UT22197	06750	4301332509	BLACKJACK FEDERAL 10-4-9-1
31	5	UT22197	06751	4301332275	BELUGA 12-7-9-17
188	12	UT22197	06752	4301332273	PLEASANT VALLEY 4-8-9-17
331	29	UT22197	06754	4301332500	BLACKJACK FEDERAL 16-3-9-1
111	28	UT22197	06798	4301332507	BLACKJACK FEDERAL 4-10-9-1
47	45	UT22197	06857	4304735180	FEDERAL 11-1-9-17
366	45	UT22197	06858	4304735181	FEDERAL 13-1-9-17
321	22	UT22197	06859	4301332089	LONE TREE 15-16-9-17
520	51	UT22197	06860	4304734494	FEDERAL 1-31-8-18
213	51	UT22197	06861	4304734496	FEDERAL 3-31-8-18
881	51	UT22197	06862	4304734498	FEDERAL 5-31-8-18
362	62	UT22197	06909	4304734460	SUNDANCE 9-32-8-18
237	37	UT22197	06910	4304735160	FEDERAL 15-11-9-17
144	44	UT22197	06969	4304735165	FEDERAL 7-12-9-17
124	44	UT22197	06970	4304735166	FEDERAL 9-12-9-17
86	44	UT22197	06971	4304735167	FEDERAL 11-12-9-17
28	44	UT22197	06972	4304735168	FEDERAL 13-12-9-17
205	29	UT22197	06973	4301330642	MONUMENT BUTTE 1-3-9-17
52	29	UT22197	06974	4301330810	MONUMENT BUTTE 2-3-9-17
315	12	UT22197	06975	4301331761	PINEHURST FEDERAL 3-8-9-17
245	51	UT22197	06976	4304734500	FEDERAL 7-31-8-18
298	51	UT22197	06977	4304734931	FEDERAL 9-31-8-18
115	51	UT22197	06978	4304734501	FEDERAL 11-31-8-18
167	51	UT22197	06979	4304734503	FEDERAL 13-31-8-18
339	62	UT22197	06980	4304732740	SUNDANCE STATE 1-32R-8-18
216	62	UT22197	06981	4304734458	SUNDANCE ST 7-32-8-18
191	44	UT22197	06982	4304735169	FEDERAL 15-12-9-17
350	62	UT22197	07038	4304734461	SUNDANCE ST 11-32-8-18

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1240
AC (Active)	Previously Authorized	Previously Authorized	1230
AC (Active)	Previously Authorized	Previously Authorized	1085
AC (Active)	Previously Authorized	Previously Authorized	1545
AC (Active)	Previously Authorized	Previously Authorized	1200
AC (Active)	Previously Authorized	Previously Authorized	1085
AC (Active)	Previously Authorized	Previously Authorized	1525
AC (Active)	Previously Authorized	Previously Authorized	1205
AC (Active)	Previously Authorized	Previously Authorized	1195
AC (Active)	Previously Authorized	Previously Authorized	1545
AC (Active)	Previously Authorized	Previously Authorized	950
AC (Active)	Previously Authorized	Previously Authorized	1775
AC (Active)	Previously Authorized	Previously Authorized	1185
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	1610
AC (Active)	Previously Authorized	Previously Authorized	1640
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	1505
AC (Active)	Previously Authorized	Previously Authorized	1590
AC (Active)	Previously Authorized	Previously Authorized	1270
AC (Active)	Previously Authorized	Previously Authorized	1295
AC (Active)	Previously Authorized	Previously Authorized	1770
AC (Active)	Previously Authorized	Previously Authorized	1250
AC (Active)	Previously Authorized	Previously Authorized	1255
AC (Active)	Previously Authorized	Previously Authorized	1235
AC (Active)	Previously Authorized	Previously Authorized	1060
AC (Active)	Previously Authorized	Previously Authorized	1030
AC (Active)	Previously Authorized	Previously Authorized	1025
AC (Active)	Previously Authorized	Previously Authorized	1140
AC (Active)	Previously Authorized	Previously Authorized	1135
AC (Active)	Previously Authorized	Previously Authorized	980
AC (Active)	Previously Authorized	Previously Authorized	1360
AC (Active)	Previously Authorized	Previously Authorized	1340
AC (Active)	Previously Authorized	Previously Authorized	1615
AC (Active)	Previously Authorized	Previously Authorized	1260
AC (Active)	Previously Authorized	Previously Authorized	1235
AC (Active)	Previously Authorized	Previously Authorized	1210
AC (Active)	Previously Authorized	Previously Authorized	1360
AC (Active)	Previously Authorized	Previously Authorized	955
AC (Active)	Previously Authorized	Previously Authorized	975
AC (Active)	Previously Authorized	Previously Authorized	1005
AC (Active)	Previously Authorized	Previously Authorized	1030

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
23	5128	5140	0	4047	4552
34	5094	5116	320	3722	4222
25	4956	4968	1260	3785	4291
10	5172	5184	175	3462	3819
23	5015	5027	110	4049	4537
24	4987	4999	510	4010	4504
18	5445	5457	310	3401	3843
34	5067	5079	70	3701	4211
34	5050	5062	50	3656	4152
3	5108	5120	88	3593	3996
31	5345	5357	300	3676	4186
33	5057	5069	474	3657	4168
24	5007	5019	395	4037	4488
5	5194	5206	58	3577	3998
4	5169	5181	366	3490	3992
7	5380	5392	106	3360	3869
8	5262	5274	254	3466	3898
3	5060	5072	80	3499	3900
10	5195	5207	170	3454	3859
1	5023	5035	114	3631	3989
1	5044	5056	98	3576	3951
16	5316	5328	750	3297	3715
31	5100	5112	150	3914	4384
31	5013	5025	308	3850	4324
31	5036	5048	560	3820	4290
32	4927	4939	930	3699	4194
11	5106	5120	358	3282	3777
12	5061	5073	200	3508	3890
12	5077	5089	180	3524	3865
12	5050	5062	144	3460	3800
12	5084	5096	104	3421	3779
3	5166	5176	2950	3646	4018
3	5107	5124	1175	3662	4026
3	5030	5040	74		4074
31	5032	5044	375	3812	4282
31	4979	4991	670	3742	4219
31	4982	4994	1720	3727	4200
31	4995	5007	2250	3675	4146
32	4955	4968	858	3782	4272
32	5006	5018	310	3830	4311
12	5097	5109	260	3480	3824
32	4951	4963	90	3721	4195

TD_KB	EPA CBL Reviewer Comments
6439	
6219	
6245	RTS 3/2/10
5785	
6525	
6500	RTS 4/11/07
5875	
6192	
6095	
5870	
6220	
6125	RTS 9/29/06
6495	RTS 6/10/10
6035	No 80% CBI in CZ
5950	
5920	
5890	See well review sheet.
5880	
5875	RTS 1/15/10
5952	
5926	RTS 8/9/06
6272	
6395	RTS 8/9/06
6225	
6267	RTS 1/25/07
6195	
5740	RTS 11/01/07
5760	RTS 7/26/07
5728	RTS 5/30/07
5690	RTS 11/9/10
5648	RTS 3/16/07
6213	No CBL and log not in UT databas
6011	% type CBL
5750	Gap in CBL, top @ start of B Zone
6272	RTS 1/18/09
6190	RTS 1/26/07
6179	RTS 10/23/08
6125	RTS 6/10/08
6300	RTS 7/26/07
6265	RTS 7/30/07
5680	RTS 3/19/07
6166	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
333	62	UT22197	07039	4304734463	SUNDANCE ST 13-32-8-18
154	62	UT22197	07040	4304734465	SUNDANCE ST 15-32-8-18
293	45	UT22197	07041	4304735179	FEDERAL 9-1-9-17
262	67	UT22197	07059	4304735591	FEDERAL 5-4-9-18
236	67	UT22197	07060	4304735474	FEDERAL 7-4-9-18
36	61	UT22197	07061	4304735294	FEDERAL 13-5-9-18
74	19	UT22197	07092	4301331914	HARBOURTOWN FED 21-33-8-
50	30	UT22197	07093	4301331916	HARBOURTOWN FED 23-34-8-
305	31	UT22197	07094	4301332246	GREATER BOUNDARY 15-27-8-
286	67	UT22197	07102	4304735475	FEDERAL 9-4-9-18
200	28	UT22197	07110	4301332502	FEDERAL 9-10-9-17
78	45	UT22197	07111	4304735182	FEDERAL 15-1-9-17
22	37	UT22197	07127	4304735156	FEDERAL 1-11-9-17
252	37	UT22197	07128	4301332486	FEDERAL 5-11-9-17
79	37	UT22197	07129	4304735157	FEDERAL 7-11-9-17
217	37	UT22197	07130	4304735158	FEDERAL 9-11-9-17
23	37	UT22197	07131	4304735159	FEDERAL 11-11-9-17
11	37	UT22197	07132	4301332510	FEDERAL 13-11-9-17
118	43	UT22197	07192	4304735704	FEDERAL 1-13-9-17
32	43	UT22197	07194	4304735702	FEDERAL 5-13-9-17
273	30	UT22197	07195	4301332630	GREATER BOUNDARY FEDERA
306	30	UT22197	07196	4301332628	GRTR BNDRY FED 15-34-8-17
351	38	UT22197	07208	4304735706	FEDERAL 1-14-9-17
258	38	UT22197	07209	4304735707	FEDERAL 3-14-9-17
259	43	UT22197	07210	4304735698	FEDERAL 13-13-9-17
280	38	UT22197	07212	4304735708	FEDERAL 9-14-9-17
145	38	UT22197	07213	4304735709	FEDERAL 11-14-9-17
263	38	UT22197	07214	4304735710	FEDERAL 15-14-9-17
364	27	UT22197	07215	4301332596	FEDERAL 1-15-9-17
102	67	UT22197	07302	4304735473	FEDERAL 1-4-9-18
182	67	UT22197	07303	4304735590	FEDERAL 3-4-9-18
323	52	UT22197	07304	4304735183	FEDERAL 9-6-9-18
12	52	UT22197	07305	4304735184	FEDERAL 11-6-9-18
352	52	UT22197	07306	4304734936	FEDERAL 13-6-9-18
13	52	UT22197	07307	4304735185	FEDERAL 15-6-9-18
332	53	UT22197	07347	4304735447	FEDERAL 1-7-9-18
264	53	UT22197	07348	4304735448	FEDERAL 3-7-9-18
291	53	UT22197	07349	4304735449	FEDERAL 5-7-9-18
353	53	UT22197	07350	4304736161	FEDERAL 9-7-9-18
63	53	UT22197	07351	4304735451	FEDERAL 11-7-9-18
37	53	UT22197	07352	4304735452	FEDERAL 13-7-9-18
248	14	UT22197	07412	4301330787	GILSONITE ST 12-32

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	945
AC (Active)	Previously Authorized	Previously Authorized	920
AC (Active)	Previously Authorized	Previously Authorized	1315
AC (Active)	Previously Authorized	Previously Authorized	1145
AC (Active)	Previously Authorized	Previously Authorized	1165
AC (Active)	Previously Authorized	Previously Authorized	1120
AC (Active)	Previously Authorized	Previously Authorized	1525
AC (Active)	Previously Authorized	Previously Authorized	1390
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Previously Authorized	1275
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Previously Authorized	1295
AC (Active)	Previously Authorized	Previously Authorized	1065
AC (Active)	Previously Authorized	Previously Authorized	1040
AC (Active)	Previously Authorized	Previously Authorized	1195
AC (Active)	Previously Authorized	Previously Authorized	1175
AC (Active)	Previously Authorized	Previously Authorized	1170
AC (Active)	Previously Authorized	Previously Authorized	1175
AC (Active)	Previously Authorized	Previously Authorized	1465
AC (Active)	Previously Authorized	Previously Authorized	1760
AC (Active)	Previously Authorized	Previously Authorized	1225
AC (Active)	Previously Authorized	Previously Authorized	1145
AC (Active)	Previously Authorized	Previously Authorized	1255
AC (Active)	Previously Authorized	Previously Authorized	1250
AC (Active)	Previously Authorized	Previously Authorized	1430
AC (Active)	Previously Authorized	Previously Authorized	1060
AC (Active)	Previously Authorized	Previously Authorized	1245
AC (Active)	Previously Authorized	Previously Authorized	1325
AC (Active)	Previously Authorized	Previously Authorized	1395
AC (Active)	Previously Authorized	Previously Authorized	1160
AC (Active)	Previously Authorized	Previously Authorized	1165
AC (Active)	Previously Authorized	Previously Authorized	1175
AC (Active)	Previously Authorized	Previously Authorized	1175
AC (Active)	Previously Authorized	Previously Authorized	1180
AC (Active)	Previously Authorized	Previously Authorized	1015
AC (Active)	Previously Authorized	Previously Authorized	1060
AC (Active)	Previously Authorized	Previously Authorized	1020
AC (Active)	Previously Authorized	Previously Authorized	1040
AC (Active)	Previously Authorized	Previously Authorized	1030
AC (Active)	Previously Authorized	Previously Authorized	980
AC (Active)	Previously Authorized	Previously Authorized	1450

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL+RTS	Yes	Yes	No	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
32	4982	4994	800	3732	4208
32	4909	4921	210	3652	4140
1	5021	5033	64	3662	4013
4	4957	4967	450	3622	4102
4	4937	4949	350	3649	4120
5	5011	5023	110	3522	4004
33	5129	5142	1350	3670	4165
34	5088	5098	1140	3778	4152
27	5053	59065	70	3734	4247
4	4941	4953	594	3616	4084
10	5127	5139	275	3472	3820
1	5037	5049	140	3610	3950
11	5019	5031	100	3370	3864
11	5076	5088	40	3331	3831
11	5057	5069	140	3331	3825
11	5081	5093	310	3476	3820
11	5098	5110	100	3313	3810
11	5146	5158	0	3302	3797
13	5105	5117	173	3454	3788
13	5087	5099	108	3298	3666
34	5095	5107	50	3606	4080
34	5052	5064	70	3590	4089
14	5117	5129	90	3258	3756
14	5133	5148	415	3404	3749
13	5121	5133	432	3250	3616
14	5142	5154	560	3262	3685
14	5193	5205	200	3209	3711
14	5181	5193	450	3169	3663
15	5160	5172	950	3410	3754
4	4840	4852	160	3638	4104
4	4946	4958	250	3648	4131
6	4968	4980	76	3687	4006
6	5012	5024	0	3556	4031
6	5023	5035	90	3508	3988
6	5035	5047	0	3542	4024
7	5031	5043	80	3654	3968
7	5037	5049	450	3634	3956
7	5058	5070	625	3372	3905
7	5040	5052	90	3385	3876
7	5072	5084	130	3396	3882
7	5089	5101	110	3355	3834
32	5250	5262	3840	3610	4122

TD_KB	EPA CBL Reviewer Comments
6120	RTS 5/30/07
6009	RTS 4/16/10
5891	
6020	RTS 5/31/07
6010	RTS 7/16/07
5950	
5950	RTS 3/27/09
5900	
6127	
6005	
5771	RTS 10/26/09
5990	see review sheet
5845	RTS 6/18/09
5810	
5800	
5800	RTS 2/10/09
5780	RTS 10/01/09
5750	RTS 2/18/09
5513	
5514	
6075	
6076	
5680	
5685	
5460	see review sheet
5620	RTS 6/9/10
5675	
5635	
5710	RTS: 2/27/08
6030	
6065	
5942	
5965	
5951	RTS 3/25/09
5935	
5950	
5935	RTS 5/7/09
5875	
5970	RTS 4/29/09
5865	
5845	
5800	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
92	53	UT22197	07413	4304735450	FEDERAL 7-7-9-18
184	14	UT22197	07419	4301330604	GILSONITE ST 2-32-8-17
222	14	UT22197	07420	4301330800	STATE 4-32-8-17
223	14	UT22197	07421	4301330748	STATE 6-32-8-17
14	66	UT22197	07422	4304736036	FEDERAL 1-33-8-18
135	66	UT22197	07423	4304735979	FEDERAL 3-33-8-18
103	66	UT22197	07424	4304735978	FEDERAL 5-33-8-18
308	66	UT22197	07425	4304735975	FEDERAL 7-33-8-18
313	66	UT22197	07426	4304735973	SUNDANCE FEDERAL 9-33-8-1
300	66	UT22197	07427	4304736026	FEDERAL 15-33-8-18
260	44	UT22197	07537	4304735163	FEDERAL 1-12-9-17
590	44	UT22197	07538	4304735162	FEDERAL 3-12-9-17
104	44	UT22197	07539	4304735164	FEDERAL 5-12-9-17
117	36	UT22197	07540	4301331481	MONUMENT ST 12-2-9-17
201	36	UT22197	07541	4304732703	MONUMENT ST 21-2-9-17
278	61	UT22197	07542	4304735290	FEDERAL 5-5-9-18
271	61	UT22197	07543	4304735291	FEDERAL 7-5-9-18
97	61	UT22197	07544	4304735292	FEDERAL 9-5-9-18
24	61	UT22197	07545	4304735293	FEDERAL 11-5-9-18
15	52	UT22197	07546	4304734934	FEDERAL 7-6-9-18
225	68	UT22197	07565	4304735765	FEDERAL 7-9-9-18
193	54	UT22197	07566	4304735582	FEDERAL 5-18-9-18
105	1	UT22197	07567	4301332374	SANDWASH FEDERAL 11-19-8-
112	16	UT22197	07568	4301332734	GREATER BOUNDARY 13-20-8-
317	32	UT22197	07569	4301332924	CANVASBACK FEDERAL 1-22-8
281	33	UT22197	07570	4304732673	PARIETTE DRAW FEDERAL 7-2
266	48	UT22197	07571	4304736504	HUMPBAC FEDERAL 3-24-8-1
56	60	UT22197	07605	4304736345	FEDERAL 9-8-9-18
25	60	UT22197	07606	4304736116	FEDERAL 3-8-9-18
226	60	UT22197	07608	4304736114	FEDERAL 1-8-9-18
16	1	UT22197	07630	4301332372	FENCELINE FEDERAL 5-19-8-17
60	1	UT22197	07632	4301332370	FENCELINE FEDERAL 3-19-8-17
163	68	UT22197	07633	4304735840	FEDERAL 13-9-9-18
80	68	UT22197	07634	4304735767	FEDERAL 3-9-9-18
183	68	UT22197	07635	4304735766	FEDERAL 5-9-9-18
29	60	UT22197	07636	4304736344	FEDERAL 11-8-9-18
106	11	UT22197	07847	4301332636	BELUGA FEDERAL 14-17-9-17
297	60	UT22197	07848	4304731547	FEDERAL 15-8-9-18
94	54	UT22197	07849	4304735585	FEDERAL 13-18-9-18
96	43	UT22197	07850	4304735700	FEDERAL 9-13-9-17
71	43	UT22197	07851	4304735699	FEDERAL 11-13-9-17
40	53	UT22197	08011	4304731202	FEDERAL 15-7-9-18

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1100
AC (Active)	Previously Authorized	Previously Authorized	1440
AC (Active)	Previously Authorized	Previously Authorized	1790
AC (Active)	Previously Authorized	Previously Authorized	1485
AC (Active)	Previously Authorized	Previously Authorized	1030
AC (Active)	Previously Authorized	Previously Authorized	1025
AC (Active)	Previously Authorized	Previously Authorized	1025
AC (Active)	Previously Authorized	Previously Authorized	1145
AC (Active)	Previously Authorized	Previously Authorized	995
AC (Active)	Previously Authorized	Previously Authorized	1170
AC (Active)	Previously Authorized	Previously Authorized	1040
AC (Active)	Previously Authorized	Previously Authorized	1170
AC (Active)	Previously Authorized	Previously Authorized	1025
AC (Active)	Previously Authorized	Previously Authorized	1870
AC (Active)	Previously Authorized	Previously Authorized	1645
AC (Active)	Previously Authorized	Previously Authorized	1145
AC (Active)	Previously Authorized	Previously Authorized	1275
AC (Active)	Previously Authorized	Previously Authorized	1260
AC (Active)	Previously Authorized	Previously Authorized	1260
AC (Active)	Previously Authorized	Previously Authorized	1185
AC (Active)	Previously Authorized	Previously Authorized	1160
AC (Active)	Previously Authorized	Previously Authorized	1135
AC (Active)	Previously Authorized	Previously Authorized	1420
AC (Active)	Previously Authorized	Previously Authorized	1475
AC (Active)	Previously Authorized	Previously Authorized	1450
AC (Active)	Previously Authorized	Previously Authorized	1200
AC (Active)	Previously Authorized	Previously Authorized	1080
AC (Active)	Previously Authorized	Previously Authorized	1130
AC (Active)	Previously Authorized	Previously Authorized	1270
AC (Active)	Previously Authorized	Previously Authorized	1055
AC (Active)	Previously Authorized	Previously Authorized	1440
AC (Active)	Previously Authorized	Previously Authorized	1455
AC (Active)	Previously Authorized	Previously Authorized	1010
AC (Active)	Previously Authorized	Previously Authorized	895
AC (Active)	Previously Authorized	Previously Authorized	1085
AC (Active)	Previously Authorized	Previously Authorized	1020
AC (Active)	Previously Authorized	Previously Authorized	1890
AC (Active)	Previously Authorized	Previously Authorized	1150
AC (Active)	Previously Authorized	Previously Authorized	1095
AC (Active)	Previously Authorized	Previously Authorized	1460
AC (Active)	Previously Authorized	Previously Authorized	1455
AC (Active)	Previously Authorized	Previously Authorized	805

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
7	5050	5062	150	3441	3927
32	5241	5258	2500	3580	4083
32	5232	5246	3190	3678	4188
32	5252		3190	3678	4185
33	4869	4879	0	3744	4230
33	4967	4979	190	3813	4310
33	4965	4977	160	3799	4289
33	4961	4973	700	3784	4212
33	4883	4895	720	3684	4158
33	4971	4983	680	3628	4107
12	5047	5059	440	3574	3933
12	5044	5056	190	3560	3930
12	5072	5084	160	3486	3884
2	5097	5107	1728	3670	4055
2	5017	5027	2818	3696	4046
5	4978	4990	550	3583	4057
5	4979	4991	490	3602	4059
5	4978	4990	155	3590	4069
5	4992	5004	100	3560`	4047
6	4996	5008	0	3585	4058
9	4968	4980	320	3476	3954
18	5112	5124	260	3424	3772
19	5350	5362	160	3990	4510
20	5318	5330	170	4078	4448
22	5143	5155	740	4110	4610
23	5028	5040	560	4014	4510
24	4985	4997	46	4074	4524
8	5011	5023	120	3430	3914
8	5026	5038	100	3520	4004
8	5011	5023	320	3516	4007
19	5857	5369	0	4040	4572
19	5345	5357	1250	4104	4627
9	5030	5042	220	3410	3881
9	4947	4959	140	3502	3972
9	4980	4992	250	3466	3944
8	5043	5055	104	3420	3904
17	5415	5427	160	3226	3720
8	5046	5056	660	3400	3885
18	5139	5151	152	3344	3700
13	5134	5146	154	3565	3722
13	5147	5159	134	3326	3696
7	5065	5075	1100	3524	3845

TD_KB	EPA CBL Reviewer Comments
5889	
5523	
5700	
5625	
6205	
6270	
6190	
6033	
6100	RTS 6/12/09
6040	
5865	
5850	RTS 12/23/08
5824	RTS 9/1/10
5850	
5850	
6000	RTS 1/14/09
6025	
6010	
5990	
6013	
5900	
5634	
6590	80% BOND: 4152' - 4652'; 4058' -
6500	
6610	The part of the well name, "Feder
6365	
6500	
5846	
5935	
5986	
6647	see review sheet
6700	see review sheet
5965	
5890	
5883	
5952	
5744	
5924	
5532	
5530	
5586	
6000	RTS 8/27/10

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
38	35	UT22197	08012	4304736075	FEDERAL 7-35-8-17
136	60	UT22197	08013	4304736117	FEDERAL 5-8-9-18
146	11	UT22197	08108	4301332638	BELUGA FEDERAL 16-17-9-17
173	21	UT22197	08152	4301330983	FEDERAL 12-9H-9-17
185	12	UT22197	08153	4301330741	NGC 41-8H-9-17
697	21	UT22197	08154	4301331458	FEDERAL 21-9H-9-17
301	14	UT22197	08159	4301331485	GILSONITE ST 10-32
1063	14	UT21187	08160	4301331453	GILSONITE ST 2A-32-8-17
164	4	UT22197	08173	4301330559	ALLEN FED 32-6-9-17
211	4	UT22197	08175	4301330558	ALLEN FED 23-6-9-17
116	4	UT22197	08176	4301330581	ALLEN FED 41-6-9-17
369	4	UT22197	08231	4301330583	ALLEN FED 43-6-9-17
416	13	UT22197	08268	4301330611	ALLEN FED 12-5-9-17
546	17	UT22197	08269	4301333598	ROBERTS 1-21-8-17
254	35	UT22197	08271	4304733549	ODEKIRK SPRINGS 1A-35-8-17
147	35	UT22197	08285	4304736077	FEDERAL 9-35-8-17
265	35	UT22197	08286	4304736078	FEDERAL 11-35-8-17
113	35	UT22197	08313	4301332709	FEDERAL 13-35-8-17
337	35	UT22197	08314	4304736074	FEDERAL 3-35-8-17
198	35	UT22197	08315	4301332707	FEDERAL 5-35-8-17
43	35	UT22197	08316	4304733550	ODEKIRK SPRINGS 15-35-8-17
288	28	UT22197	08318	4301332506	BLACKJACK FEDERAL 11-10-9-
72	28	UT22197	08319	4301331536	BALCRON MON FED 12-10-9-1
322	21	UT22197	08320	4301332071	CASTLE DRAW 1-9-9-17
274	6	UT22197	08325	4301332813	BELUGA FEDERAL 12-18-9-17
82	6	UT22197	08327	4301332814	BELUGA FEDERAL 14-18-9-17
17	28	UT22197	08341	4301330684	CASTLE DRAW 10-10-9-17
605	15	UT22197	08343	4301332518	GREATER BOUNDARY FEDERA
83	28	UT22197	08345	4301332504	BLACKJACK FEDERAL 13-10-9-
65	28	UT22197	08347	4301330994	CASTLE DRAW 14-10-9-17
433	30	UT22197	08349	4301332256	GREATER BOUNDARY 6-34-8-1
137	33	UT22197	08355	4304734568	CANVASBACK 6-23-8-17
18	33	UT22197	08356	4304734571	CANVASBACK 2-23-8-17
39	29	UT22197	08357	4301332796	GREATER BOUNDARY FED 2A-
19	33	UT22197	08359	4301332342	CANVASBACK 4-23-8-17
77	52	UT22197	08387	4304734932	SUNDANCE FEDERAL 5-6-9-18
175	52	UT22197	08388	4304734425	FEDERAL 3-6-9-18
386	30	UT22197	08389	4301332332	GREATER BOUNDARY 10-34-8-
956	36	UT22197	08390	4304733239	CASTLE DRAW 15-2-9-17
776	36	UT22197	08394	4304733238	CASTLE DRAW 9-2-9-17
704	26	UT22197	08401	4301333301	LONE TREE FED 1-22-9-17
539	37	UT22197	08402	4304735295	FEDERAL 3-11-9-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1450
AC (Active)	Previously Authorized	Previously Authorized	1165
AC (Active)	Previously Authorized	Previously Authorized	2130
AC (Active)	Previously Authorized	Previously Authorized	1495
AC (Active)	Previously Authorized	Previously Authorized	1685
AC (Active)	Previously Authorized	Previously Authorized	1330
AC (Active)	Previously Authorized	Previously Authorized	1460
UC (Under Constructi	Authorized by UT21187	Not Authorized	
AC (Active)	Previously Authorized	Previously Authorized	1785
AC (Active)	Previously Authorized	Previously Authorized	1785
AC (Active)	Previously Authorized	Previously Authorized	1800
AC (Active)	Previously Authorized	Previously Authorized	1705
AC (Active)	Previously Authorized	Previously Authorized	1670
AC (Active)	Previously Authorized	Previously Authorized	1525
AC (Active)	Previously Authorized	Previously Authorized	1360
AC (Active)	Previously Authorized	Previously Authorized	1440
AC (Active)	Previously Authorized	Previously Authorized	1300
AC (Active)	Previously Authorized	Previously Authorized	1465
AC (Active)	Previously Authorized	Previously Authorized	1330
AC (Active)	Previously Authorized	Previously Authorized	1335
AC (Active)	Previously Authorized	Previously Authorized	1300
AC (Active)	Previously Authorized	Previously Authorized	1585
AC (Active)	Previously Authorized	Previously Authorized	1555
AC (Active)	Previously Authorized	Previously Authorized	1540
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Previously Authorized	1495
AC (Active)	Previously Authorized	Previously Authorized	1505
AC (Active)	Previously Authorized	Previously Authorized	1845
AC (Active)	Previously Authorized	Previously Authorized	1555
AC (Active)	Previously Authorized	Previously Authorized	1625
AC (Active)	Previously Authorized	Previously Authorized	1210
AC (Active)	Previously Authorized	Previously Authorized	1190
AC (Active)	Previously Authorized	Previously Authorized	1220
AC (Active)	Previously Authorized	Previously Authorized	1510
AC (Active)	Previously Authorized	Previously Authorized	1335
AC (Active)	Previously Authorized	Previously Authorized	1335
AC (Active)	Previously Authorized	Previously Authorized	1230
AC (Active)	Previously Authorized	Previously Authorized	1205
AC (Active)	Previously Authorized	Previously Authorized	1585
AC (Active)	Previously Authorized	Previously Authorized	1835
AC (Active)	Previously Authorized	Previously Authorized	1420
AC (Active)	Previously Authorized	Previously Authorized	1055

Part II MI Demo Method	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
No Part II Demo	P&A OK	P&A OK	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
35	5034	5046	110	3712	4218
8	5023	5035	190	3446	3928
17	5356	5368	200	3205	3704
9	5273	5287	2306	3421	3920
8	5276	5290	2507	3428	3920
9	5233	5247	2770	3446	3938
32	5196	5209	680	3614	421
32				3104	3130
6	5323	5337	2200	3664	4056
6	5363	5377	3040	3602	4036
6	5276	5290	1725	3630	4049
6	5251	5265	990	3566	3971
5	5230	5244	1000	3574	4000
21	5189	5201	167	4137	4642
35	5097	5107	400	3832	4330
35	5008	5020	200	3686	4172
35	5025	5037	450	3812	4184
35	5068	5080	170	3652	4145
35	5052	5064	85	3750	4246
35	5073	5085	274	3717	4222
35	5054	5066	113	3663	4150
10	5157	5169	600	3314	3819
10	5158	5167	1340	3448	3866
9	5215	5225	754	3458	3966
18	5486	5498	50	3360	3802
18	5419	5431	140	3323	3767
10	5142	5160	0	3422	3821
29	5299	5311	200	3959	4435
10	5210	5222	140	3293	3837
10	5193	5203	130	3302	3806
34	5115	5127	110	3706	4216
23	5041	5043	190	4002	4500
23	5077	5089	0	4098	4590
3	5087	5099	110	3674	4080
23	5082	5094	0	4082	4578
6	5000	5012	139	3746	4509
6	4963	4975	2370	3660	4151
34	5053	5065	0	3775	4130
2	5067	5077	710	3539	3953
2	5028	5017	360	3608	3980
22	5215	5227	286	3096	3590
11	5068	5080	160	3395	3889

TD_KB	EPA CBL Reviewer Comments
6150	
5860	
5721	
6075	See special requirements.
6071	See well review sheet.
6125	See permit well review sheet.
5700	
5401	A % bonding CBL
5495	
5424	
5373	CBL is % bonding type
5372	CBL % type
6650	
6213	use CBL from Utah files
6107	
6107	
6110	
6200	
6169	
6125	RTS 10/25/10.
5775	
5554	RTS 2/1/10. see review sheet for
5750	See special requirements.
5800	
5700	
6108	
6533	This is a directional well (even th
5725	
6097	RTS 9/29/10
6220	
6495	RTS 1/18/10
6600	
6050	
6469	
6055	
6225	
6130	
5687	
5651	
5600	
5855	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
76	21	UT22197	08405	4301332517	BLACKJACK FEDERAL 9-9-9-17
134	28	UT22197	08406	4301331537	BALCRON MON FED 21-10-9-1
417	26	UT22197	08407	4301333869	LONE TREE FEDERAL 9A-22-9-
27	67	UT22197	08409	4304732654	FEDERAL 11-4-9-18
20	60	UT22197	08410	4304731274	FEDERAL 7-8-9-18
307	27	UT22197	08411	4301331698	FEDERAL 13-15H-9-17
922	12	UT22197	08419	4301330778	PAIUTE FEDERAL 34-8-9-17
667	11	UT22197	08423	4301331387	MONUMENT FED 21-17-9-17
310	62	UT22197	08428	4304732741	SUNDANCE ST 3-32-8-18
620	11	UT22197	08429	4301331466	MONUMENT FED 41-17-9-17
985	34	UT22197	08430	4301332289	GREATER BOUNDARY 4-26-8-1
378	3	UT22197	08431	4301332445	SAND WASH FEDERAL 13-31-8
900	3	UT22197	08432	4301332448	SAND WASH FEDERAL 15-31-8
345	51	UT22197	08434	4304735831	FEDERAL 15-31-8-18
943	5	UT22197	08435	4301332284	BELUGA 11-7-9-17
311	62	UT22197	08438	4304732685	Sundance State 5-32-8-18
709	5	UT22197	08442	4301332276	BELUGA 13-7-9-17
706	13	UT22197	08443	4301331383	MONUMENT FED 23-5J-9-17
1263	27	UT22197	08469	4301332019	S PLEASANT VALLEY FED 6-15-
69	66	UT22197	08472	4304735972	FEDERAL 11-33-8-18
456	4	UT22197	08474	4301330586	ALLEN FED 34-6-9-17
901	14	UT22197	08475	4301331480	GILSONITE ST 14-32-8-17
529	47	UT22197	08497	4304732008	FEDERAL 22-25-8-17
768	47	UT22197	08498	4304734488	HUMPBAC 16-25-8-17
698	47	UT22197	08502	4304732525	BALCRON MON FED 33-25-8-1
638	47	UT22197	08503	4304732530	MONUMENT FED 31-25-8-17
581	47	UT22197	08504	4304732669	BALCRON MON FED 24-25-8-1
867	31	UT22197	08505	4301332233	GREATER BOUNDARY 8-27-8-1
673	27	UT22197	08517	4301330681	FEDERAL NGC 24-15H-9-17
866	48	UT22197	08589	4304736501	HUMPBAC UNIT 4-24-8-17
393	3	UT22197	08590	4301332446	SAND WASH FEDERAL 12-31-8
361	45	UT22197	08663	4304735849	FEDERAL 7-1-9-17
247	45	UT22197	08664	4304736514	FEDERAL 5-1-9-17
694	2	UT22197	08665	4301331543	TAR SANDS FED 12-30-8-17
523	12	UT22197	08673	4301331196	MAXUS FEDERAL 23-8-9-17
975	12	UT22197	08674	4301330777	PAIUTE FEDERAL 43-8-9-17
610	11	UT22197	08675	4301331431	BALCRON MON FED 12-17-9-1
549	11	UT22197	08676	4301331465	MONUMENT FED 32-17-9-17
685	13	UT22197	08677	4301331385	MONUMENT FED 14-5J-9-17
781	22	UT22197	08735	4301315582	A ANDERSON ST 1-16-9-17
1017	26	UT22197	08756	4301331522	S PLEASANT VALLEY FED 4-22-
284	46	UT22197	08788	4304733198	ODEKIRK SPRING 10-36-8-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1500
AC (Active)	Previously Authorized	Previously Authorized	1325
AC (Active)	Previously Authorized	Previously Authorized	1405
AC (Active)	Previously Authorized	Previously Authorized	1120
AC (Active)	Previously Authorized	Previously Authorized	1025
AC (Active)	Previously Authorized	Previously Authorized	1510
AC (Active)	Previously Authorized	Previously Authorized	1650
AC (Active)	Previously Authorized	Previously Authorized	1930
AC (Active)	Previously Authorized	Previously Authorized	995
AC (Active)	Previously Authorized	Previously Authorized	1915
AC (Active)	Previously Authorized	Previously Authorized	1595
AC (Active)	Previously Authorized	Previously Authorized	980
AC (Active)	Previously Authorized	Previously Authorized	1090
AC (Active)	Previously Authorized	Previously Authorized	1190
AC (Active)	Previously Authorized	Previously Authorized	1640
AC (Active)	Previously Authorized	Previously Authorized	965
AC (Active)	Previously Authorized	Previously Authorized	1640
AC (Active)	Previously Authorized	1/9/2012	1850
AC (Active)	Previously Authorized	Previously Authorized	1605
AC (Active)	Previously Authorized	Previously Authorized	1125
AC (Active)	Previously Authorized	Previously Authorized	1740
AC (Active)	Previously Authorized	Previously Authorized	1650
AC (Active)	Previously Authorized	Previously Authorized	1135
AC (Active)	Previously Authorized	Previously Authorized	1250
AC (Active)	Previously Authorized	Previously Authorized	1090
AC (Active)	Previously Authorized	Previously Authorized	1295
AC (Active)	Previously Authorized	Previously Authorized	1125
AC (Active)	Previously Authorized	Previously Authorized	1325
AC (Active)	Previously Authorized	Previously Authorized	1330
AC (Active)	Previously Authorized	Previously Authorized	1080
AC (Active)	Previously Authorized	Previously Authorized	945
AC (Active)	Previously Authorized	Previously Authorized	1295
AC (Active)	Previously Authorized	Previously Authorized	1615
AC (Active)	Previously Authorized	Previously Authorized	1175
AC (Active)	Previously Authorized	Previously Authorized	1655
AC (Active)	Previously Authorized	Previously Authorized	1680
AC (Active)	Previously Authorized	Previously Authorized	1910
AC (Active)	Previously Authorized	Previously Authorized	1910
AC (Active)	Previously Authorized	Previously Authorized	1630
AC (Active)	Previously Authorized	Previously Authorized	1765
AC (Active)	Previously Authorized	Previously Authorized	1445
AC (Active)	Previously Authorized	Previously Authorized	1345

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
9	5196	5208	138	3335	3835
10	5097	5109	1880	3339	3848
22	5251	5263	1015	3060	3549
4	4963	4973	1000	3600	4074
8	5028	5038	0	3482	3979
15	5260	5273	700	3212	3712
8	5302	5313	659	3434	3864
17	5369	5382	2512	3421	3850
32	5072	5085	710	3906	4386
17	5336	5346	2100	3324	3820
26	5088	5100	810	3906	4410
31	5363	5375	0	3709	4041
31	5328	5340	60	3761	4288
31	4948	4960	870	3632	4102
7	5357`	5369	70	3340	3847
32	59017	5029	716	3815	4296
7	5384	5396	298	3321	3828
5	5208	5221	2910	3508	3932
15	5211	5226	1100	3234	3734
33	4903	4915	132	3682	4164
6	5333	5345	116	3560	3998
32	5224	5234	600	3588	4094
25	5049	5063	1546	3926	4412
25	5001	5013	350	3830	4307
25	4971	4981	2772	3832	4310
25	5020	5030	2336	3624	4406
25	5018	5028	1840	3814	4290
27	5083	5093	530	3844	4357
15	5282	5294	2570	3310	3695
24	5006	5016	53	4052	4534
31	5362	5374	0	3688	4195
1	4955	4967	93	3653	4000
1	5028	5040	38	3722	4056
30	5315	5328	274	3776	4296
8	5338	5352	1516	3466	3890
8	5338	5349	794	3472	3892
17	5408	5418	2044	3307	3807
17	5366	5376	1690	3305	3800
5	5238	5251	2620	3480	3912
16	5320	5333	3600	3300	3678
22	5253	5266	910	3114	3610
36	4966	4976	580	3672	4145

TD_KB	EPA CBL Reviewer Comments
5785	See well review sheet.
5600	see review sheet; database show
5555	WBD lacking "Federal" in well na
6049	RTS 8/30/10
6070	
5700	see review sheet
6011	See well review sheet.
5650	T9S-R17E. CBL name begins with
6150	
5704	T9S-R17E
6332	A.k.a. Greater Boundary II 4-26-8-
6280	
6276	
6070	RTS 11/10/2010
5925	
6219	T32S - R18E
5835	
5800	
5469	
6090	
5452	CBL is % of cement bonding type
6003	RTS 9/03/10
7050	
6317	no RTS. See review sheet.
6150	RTS OF 12/8/10
6226	
6250	
6300	
5952	
6460	
6220	
5975	Only 12' of 80% CBI
5914	
6200	T8S-R17E
6253	See well review sheet.
5874	See well review sheet.
5650	T9S-R17E
5712	T9S-R17E
5700	Top of CZ not logged on CBL, was
5381	Top of cement, 3600', is within th
5655	Well name does not always inclu
6037	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
290	46	UT22197	08789	4304733013	ODEKIRK SPRING 6-36-8-17
1027	3	UT22197	08790	4301332449	SANDWASH FEDERAL 10-31T-
664	31	UT22197	08830	4301332229	GREATER BOUNDARY UNIT 2-
730	48	UT22197	08839	4304732546	PARIETTE FED 13-24-8-17
952	18	UT22197	08863	4301332068	TAR SANDS FED 8-28-8-17
513	26	UT22197	08866	4301333310	LONE TREE FED 13-22-9-17
695	21	UT22197	08867	4301331459	FEDERAL 14-9H-9-17
1032	18	UT22197	08869	4301332066	TAR SANDS FED 10-28-8-17
940	20	UT22197	08871	4301330671	FEDERAL 14-4H-9-17
656	23	UT22197	08877	4301333285	LONE TREE FEDERAL 11-21-9-1
992	15	UT22197	08880	4301332062	TAR SANDS FED 4-29-8-17
756	21	UT22197	08908	4301332135	PLEASANT VALLEY 15-9H-9-17
805	47	UT22197	08910	4304734486	HUMPBAC 8-25-8-17
665	3	UT22197	09069	4301332443	SAND WASH FEDERAL 14-31-8
953	33	UT22197	09336	4301332341	CANVASBACK 12-23-8-17
1004	5	UT22197	09337	4301331579	BELUGA 15-7-9-17
784	6	UT22197	09339	4301332050	BELUGA 3-18-9-17
289	6	UT22197	09344	4301332811	BELUGA FEDERAL 6-18-9-17
887	22	UT22197	09348	4301332309	LONE TREE UNIT 2-16-9-17
962	6	UT22197	09363	4301332812	BELUGA FEDERAL 11-18-9-17
516	22	UT22197	09368	4301331578	MON ST 23-16-9-17B
54	22	UT22197	09371	4301332310	LONE TREE UNIT 7-16-9-17
1059	12	UT22197	09372	4301330542	FEDERAL 32-8H-9-17
302	4	UT22197	09373	4301330582	ALLEN FED 12-6-9-17
836	2	UT22197	09374	4301331621	TAR SANDS FED 4-30-8-17
794	1	UT22197	09380	4301333732	GREATER BOUNDARY II 15-19-
725	3	UT22197	09385	4301331866	TAR SANDS FED 2-31-8-17
770	3	UT22197	09386	4301331686	TAR SANDS FED 6-31-8-17
487	36	UT22197	09387	4304732737	MONUMENT ST 32-2-9-17
437	19	UT22197	09400	4301331757	TAR SANDS FED 12-33-8-17
844	13	UT22197	09416	4301332554	BLACKJACK FEDERAL 7-5-9-17
604	38	UT22197	09421	4301332703	FEDERAL 5-14-9-17
994	46	UT22197	09422	4304733079	ODEKIRK SPRING 2-36-8-17
714	30	UT22197	09423	4301332629	GREATER BOUNDARY FEDERA
169	43	UT22197	09425	4304735703	Federal 3-13-9-17
766	6	UT22197	09437	4301330332	FEDERAL 1-18-9-17
547	23	UT22197	09438	4301333290	LONE TREE 5-21-9-17
486	33	UT22197	09439	4304734558	HUMPBAC 16-23-8-17
482	47	UT22197	09441	4304732455	MONUMENT FED 11-25-8-17
578	5	UT22197	09442	4301331760	PINEHURST FEDERAL 3-7-9-17
458	26	UT22197	09443	4301333302	LONE TREE FEDERAL 5-22-9-17
1015	2	UT22197	09444	4301331711	TAR SANDS FED 14-30-8-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1230
AC (Active)	Previously Authorized	Previously Authorized	955
AC (Active)	Previously Authorized	Previously Authorized	1315
AC (Active)	Previously Authorized	12/20/2012	1060
AC (Active)	Previously Authorized	Previously Authorized	1495
AC (Active)	Previously Authorized	Previously Authorized	1405
AC (Active)	Previously Authorized	Previously Authorized	1320
AC (Active)	Previously Authorized	Previously Authorized	1460
AC (Active)	Previously Authorized	Previously Authorized	1575
AC (Active)	Previously Authorized	Previously Authorized	1785
AC (Active)	Previously Authorized	Previously Authorized	1660
AC (Active)	Previously Authorized	Previously Authorized	1300
AC (Active)	Previously Authorized	Previously Authorized	1145
AC (Active)	Previously Authorized	Previously Authorized	1110
AC (Active)	Previously Authorized	1/9/2013	1310
AC (Active)	Previously Authorized	Previously Authorized	1665
AC (Active)	Previously Authorized	Previously Authorized	1525
AC (Active)	Previously Authorized	Previously Authorized	1515
AC (Active)	Previously Authorized	Previously Authorized	1595
AC (Active)	Previously Authorized	Previously Authorized	1450
AC (Active)	Previously Authorized	Previously Authorized	1575
AC (Active)	Previously Authorized	Previously Authorized	1575
AC (Active)	Previously Authorized	Previously Authorized	1690
AC (Active)	Previously Authorized	Previously Authorized	1805
AC (Active)	Previously Authorized	Previously Authorized	1200
AC (Active)	Previously Authorized	Previously Authorized	1335
AC (Active)	Previously Authorized	Previously Authorized	1050
AC (Active)	Previously Authorized	Previously Authorized	935
AC (Active)	Previously Authorized	Previously Authorized	1875
AC (Active)	Previously Authorized	Previously Authorized	1505
AC (Active)	Previously Authorized	Previously Authorized	1880
AC (Active)	Previously Authorized	Previously Authorized	1090
AC (Active)	Previously Authorized	Previously Authorized	1225
AC (Active)	Previously Authorized	Previously Authorized	1165
AC (Active)	Previously Authorized	Previously Authorized	1445
AC (Active)	Previously Authorized	Previously Authorized	1520
AC (Active)	Previously Authorized	Previously Authorized	1540
AC (Active)	Previously Authorized	1/9/2013	1150
AC (Active)	Previously Authorized	Previously Authorized	1130
AC (Active)	Previously Authorized	Previously Authorized	1470
AC (Active)	Previously Authorized	Previously Authorized	1430
AC (Active)	Previously Authorized	Previously Authorized	1395

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
36	5000	5010	623	3730	4208
31	5329	5341	96	3687	4186
27	5118	5128	250	3907	4415
24	5018	5028	310	4000	4446
28	5199	5211	700	3880	4392
22	5303	5315	147	3011	3500
9	5275	5290	2748	3334	3825
28	5205	5217	986	3842	4349
4	5250	5262	694	3478	3980
21	3536	3548	247	3129	3562
29	5284	5296	850	3880	4396
9	5250	5260	335	3326	3822
25	5024	5036	400	3941	4392
31	5346	5358	250	3850	4260
23	5109	5121	700	4150	4490
7	5381	5391	886	3430	3864
18	5436	5446	370	3418	3852
18	5450	5462	62	3378	3818
16	5251	5263	330	3295	3796
18	5471	5483	73	3360	3795
16	5298	5308	1488	3210	3714
16	5250	5262	12	3237	3741
8	5300	5315	2270	3414	3918
6	5352	5366	680	3656	4056
30	5378	5391	465	3918	4432
19	5353	5365	382	3952	4476
31	5262	5275	300	3681	4191
31	5313	5325	350	3694	4199
2	5076	5086	1316	3700	4046
33	5161	5174	1109	3611	4118
5	5219	5231	490	3593	4004
14	5225	5237	200	3445	3783
36	5040	5050	854	3807	4279
34	5070	5082	30	3589	4086
13	5072	5084	228	3381	3735
18	5413	5426	3400	3370	3849
21	5340	5352	169	3168	3596
23	5064	5076	1300	4122	4459
25	5059	5069	1292	3930	4416
3	5096	5106	1830	3616	3908
22	5279	5291	116	3087	3586
30	5300	5313	902	3746	4260

TD_KB	EPA CBL Reviewer Comments
6000	
6185	
6304	
6625	
6200	
5550	
6050	See special requirements.
6150	
5948	A.k.a. Paiute Federal 14-4H-9-17.
5608	
6250	
5528	See well review sheet.
6340	
6269	
6425	
5650	See review sheet.
5650	Questionable CBL, looked at electr
5830	
5745	80% CBI 4764-4782, below base
5800	
6400	Used UT database for CBL. CBL t
5669	No 80% CBI in CZ.
6400	See Well review sheet.
6300	
6252	T8S-R17E
6550	80% BOND: 4188' - 6132'.
6025	
6120	
5717	
5900	
6050	
5765	
6000	
6130	
5588	
5489	1975 CBL of doubtful quality, don
5650	No 80% CBI
6441	
6450	observe surface weekly
5800	CBL bond attenuation type. TOC
5600	
6104	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
806	2	UT22197	09445	4301331870	TAR SANDS FED 8-30-8-17
476	3	UT22197	09447	4301331606	TAR SANDS FED 4-31-8-17
848	6	UT22197	09448	4301332051	BELUGA FEDERAL 7-18-9-17
93	21	UT22197	09450	4301331206	FEDERAL 23-9H-9-17
644	36	UT22197	09451	4304732843	CASTLE DRAW 1-2-9-17
81	4	UT22197	09452	4301330584	ALLEN FED 21-6-9-17
970	2	UT22197	09454	4301331808	TAR SANDS FED 10-30-8-17
705	29	UT22197	09477	4301332183	GREATER BOUNDARY FEDERA
668	29	UT22197	09478	4301332501	BLACKJACK FEDERAL 15-3-9-1
917	32	UT22197	09479	4301332241	CANVASBACK 16-22-8-17
100	10	UT22197	09481	4301332639	LONE TREE FEDERAL 1-20-9-17
814	7	UT22197	09483	4301333188	FEDERAL 1-19-9-17
550	20	UT22197	09484	4301332074	CASTLE DRAW 5-4-9-17
357	13	UT22197	09492	4301332553	BLACKJACK FEDERAL 10-5-9-1
500	13	UT22197	09494	4301332555	BLACKJACK FEDERAL 1-5-9-17
889	7	UT22197	09497	4301333196	FEDERAL 11-19-9-17
276	23	UT22197	09504	4301333286	LONE TREE FEDERAL 9-21-9-17
833	18	UT22197	09507	4301331641	TAR SANDS FED 4-28-8-17
531	26	UT22197	09508	4301333308	LONE TREE FED 11-22-9-17
395	1	UT22197	09509	4301332376	SANDWASH FEDERAL 14-19-8-
724	2	UT22197	09510	4301331758	Harbourtown Federal 31-30-8-
845	32	UT22197	09511	4301332239	CANVASBACK 14-22-8-17
815	6	UT22197	09553	4301332815	BELUGA 13-18-9-17
623	19	UT22197	09554	4301331867	TAR SANDS FED 2-33-8-17
718	22	UT22197	09595	4301332311	LONE TREE UNIT 8-16-9-17
479	27	UT22197	09596	4301350021	LONE TREE FEDERAL 9-15-9-17
894	2	UT22197	09602	4301331712	TAR SANDS 6-30-8-17
142	6	UT22197	09608	4301332809	BELUGA FEDERAL 16-18-9-17
354	11	UT22197	09610	4301332637	BELUGA UNIT 15-17-9-17
575	14	UT22197	09611	4301331498	GILSONITE ST 8-32-8-17
324	29	UT22197	09629	4301332797	GREATER BOUNDARY UNIT 5-
993	5	UT22197	09632	4301331988	JONAH 7-7-9-17
171	26	UT22197	09633	4301333304	LONE TREE FEDERAL 7-22-9-17
107	23	UT22197	09634	4301333288	LONE TREE FED 7-21-9-17
473	12	UT22197	09635	4301330680	NGC Federal 12-8H-9-17
823	49	UT22197	09666	4304736193	FEDERAL 15-19-8-18
942	33	UT22197	09672	4304734606	CANVASBACK 10-23R-8-17
493	32	UT22197	09674	4301331588	MONUMENT FED 33-22-8-17
758	10	UT22197	09675	4301333226	FEDERAL 7-20-9-17
700	28	UT22197	09681	4301332970	SUNDANCE FEDERAL 1-10-9-1
432	8	UT22197	09694	4301333772	FEDERAL 3-30-9-17
617	10	UT22197	09695	4301332733	FEDERAL 3-20-9-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	Previously Authorized	Previously Authorized	1205
AC (Active)	Previously Authorized	Previously Authorized	960
AC (Active)	Previously Authorized	Previously Authorized	1750
AC (Active)	Previously Authorized	Previously Authorized	1285
AC (Active)	Previously Authorized	Previously Authorized	1825
AC (Active)	Previously Authorized	Previously Authorized	1800
AC (Active)	Previously Authorized	Previously Authorized	1150
AC (Active)	Previously Authorized	Previously Authorized	1485
AC (Active)	Previously Authorized	Previously Authorized	1515
AC (Active)	Previously Authorized	Previously Authorized	1420
AC (Active)	Previously Authorized	Previously Authorized	825
AC (Active)	2/21/2013	3/14/2013	830
AC (Active)	Previously Authorized	Previously Authorized	1595
AC (Active)	Previously Authorized	1/9/2013	1635
AC (Active)	Previously Authorized	Previously Authorized	1680
AC (Active)	Previously Authorized	Previously Authorized	830
AC (Active)	Previously Authorized	Previously Authorized	1765
AC (Active)	Previously Authorized	Previously Authorized	1485
AC (Active)	Previously Authorized	Previously Authorized	1420
AC (Active)	Previously Authorized	Previously Authorized	1625
AC (Active)	Previously Authorized	Previously Authorized	1190
AC (Active)	Previously Authorized	Previously Authorized	1275
AC (Active)	Previously Authorized	12/20/2012	1485
AC (Active)	Previously Authorized	Previously Authorized	1515
AC (Active)	Previously Authorized	Previously Authorized	1940
AC (Active)	Previously Authorized	Previously Authorized	1540
AC (Active)	Previously Authorized	12/18/2012	1185
AC (Active)	Previously Authorized	Previously Authorized	1495
AC (Active)	Previously Authorized	Previously Authorized	2180
AC (Active)	Previously Authorized	Previously Authorized	1690
AC (Active)	Previously Authorized	Previously Authorized	1365
AC (Active)	Previously Authorized	1/8/2012	1940
AC (Active)	Previously Authorized	Previously Authorized	1490
AC (Active)	Previously Authorized	Previously Authorized	1795
AC (Active)	Previously Authorized	Previously Authorized	1660
AC (Active)	Previously Authorized	Previously Authorized	1160
AC (Active)	Previously Authorized	1/9/2013	1225
AC (Active)	Previously Authorized	Previously Authorized	1280
AC (Active)	Previously Authorized	Previously Authorized	955
AC (Active)	Previously Authorized	Previously Authorized	1555
AC (Active)	Previously Authorized	Previously Authorized	930
AC (Active)	Previously Authorized	Previously Authorized	965

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
30	5334	5347	400	3866	4382
31	5312	5325	1242	3716	4229
18	5442	5452	50	3386	3818
9	5250	5262	1506	3363	3855
2	4989	5002	238	3687	4054
6	5302	5312	140	3659	4056
30	5280	5292	774	3758	4274
3	5089	5101	290	3588	3994
3	5071	5083	252	3505	3906
22	5159	5171	635	4000	4501
20	5380	5392	156	3182	3676
19	5471	5483	421	3218	3714
4	5166	5176	170	3498	4003
5	5251	5263	92	3561	3976
5	5204	5216	140	3623	4038
19	5543	5555	58	3171	3669
21	5286	5298	52	3077	3510
28	5219	5232	460	3889	4399
22	5273	5285	157	3034	3533
19	5366	5378	0	3955	4480
30	5321	5331	300	3878	4398
22	5177	5189	490	3978	4481
18	5512	5524	426	3324	3767
33	5110	5123	2165	3670	4172
16	5238	5250	30	3230	3734
15	5129	5141	126	3213	3713
30	5369	5383	585	3877	4390
18	5449	5461	20	3310	3747
17	5380	5392	90	3200	3697
32	5149	5162	181	3532	4137
3	5107	5119	76	3628	4042
7	5307	5319	852	3350	3867
22	5242	5254	230	3054	3562
21	5301	5313	160	3134	3570
8	5302	5316	1220	3383	3884
19	5060	5072	450	4043	4526
23	5053	5065	70	4006	4498
22	5130	5140	1375	4008	4504
20	5398	5410	34	3124	3613
10	5083	5095	28	3368	3863
30	5560	5572	110	3104	3593
20	5406	5418	210	3180	3700

TD_KB	EPA CBL Reviewer Comments
6226	T8S-R17E
6226	
5600	
5600	See permit well review sheet.
5800	
5572	
6125	T8S-R17E
5962	
5870	
6379	
5660	
5607	
5950	
6015	
6115	No 80% CBI in confining zone
5680	
5600	
6386	
5603	
6565	80% BOND: 4324' - 4534'; 3912' -
6200	T8S-R17E
6300	
5760	
5950	
5685	
5597	
6259	
5750	
5700	Well name: Beluga Federal 15-17
5900	
6185	
5700	TOC by EPA = 852'.
5575	
5650	
6200	See well review sheet.
6500	
6494	
6350	
5700	
5850	
5575	see review sheet
5668	CBL name is: "Lone Tree Federal

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
795	20	UT22197	09769	4301332081	CASTLE DRAW 11-4-9-17
451	30	UT22197	09770	4301331917	HARBOURTOWN FED 44-34-8-
839	45	UT22197	09774	4304734939	FEDERAL 3-1-9-17
535	7	UT22197	09775	4301333193	FEDERAL 7-19-9-17
868	10	UT22197	09776	4301333224	FEDERAL 5-20-9-17
453	20	UT22197	09790	4301330674	PAIUTE 32-4R-9-17
1021	7	UT22197	09791	4301333200	FEDERAL 15-19-9-17
632	19	UT22197	09797	4301331884	TAR SANDS FED 10-33-8-17
428	7	UT22197	09798	4301333191	FEDERAL 5-19-9-17
752	50	UT22197	09800	4304736224	FEDERAL 3-30-8-18
998	19	UT22197	09802	4301332633	BLACKJACK FEDERAL 14-33-8-
944	19	UT22197	09803	4301332632	BLACKJACK FEDERAL 16-33-8-
161	11	UT22197	09841	4301331582	MON FED 23-17-9-17B
627	12	UT22197	09842	4301331398	FEDERAL 14-8-9-17
459	20	UT22197	09845	4301332083	CASTLE DRAW 15-4-9-17
403	20	UT22197	09846	4301332635	BLACKJACK FEDERAL 1-4-9-17
412	35	UT22197	09847	4304736080	FEDERAL 16-35-8-17
53	6	UT22197	09849	4301332053	BELUGA 9-18-9-17
445	7	UT22197	09903	4301333190	FEDERAL 3-19-9-17
958	13	UT22197	09904	4301330720	BLACKJACK FEDERAL 9-5R-9-1
787	3	UT22197	09905	4301320082	GOVERNMENT 31-2-8-17
496	66	UT22197	09909	4301331915	HARBOURTOWN FED 42-33-8-
885	20	UT22197	09910	4301332079	CASTLE DRAW 9-4-9-17
928	19	UT22197	09911	4301331814	TAR SANDS FED 6-33-8-17
498	29	UT22197	09912	4301331535	MONUMENT FED 14-3Y-9-17
1007	49	UT22197	09914	4304736189	FEDERAL 11-19-8-18
646	49	UT22197	09915	4304736191	FEDERAL 13-19-8-18
1261	27	UT22197	09927	4301331023	FEDERAL 15-1B-9-17
688	35	UT22197	09928	4304736079	FEDERAL 14-35-8-17
374	5	UT22197	09929	4301331493	Monument Federal 12-7J-9-17
785	5	UT22197	09930	4301330961	GETTY 7C-7-9-17
504	5	UT22197	09937	4301330926	GETTY 7A-7-9-17
983	22	UT22197	09938	4301332087	LONE TREE 10-16-9-17
503	5	UT22197	09939	4301331432	Balcron Monument Federal 43
820	22	UT22197	09940	4301330570	Duncan State 16-5-9-17
703	22	UT22197	09941	4301332312	BELUGA 14-16-9-17
1279	11	UT22197	09942	4301330689	FEDERAL D M D 17-1-9-17
951	48	UT22197	09943	4304736497	HUMBACK UNIT 6-24-8-17
484	51	UT22197	09944	4304734497	FEDERAL 4-31-8-18
454	29	UT22197	09951	4301331764	RIVIERA FEDERAL 3-11-9-17
838	35	UT22197	09952	4304736076	FEDERAL 8-35-8-17
583	35	UT22197	09953	4304731380	COUNTY LINE FED 1-35-8-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	2/21/2013	3/18/2013	1595
AC (Active)	12/18/2012	2/4/2013	1180
AC (Active)	12/18/2012	2/4/2013	1505
AC (Active)	12/18/2012	2/14/2013	830
AC (Active)	12/20/2012	2/4/2013	830
AC (Active)	2/21/2013	3/18/2013	1605
AC (Active)	12/18/2012	2/4/2013	955
AC (Active)	12/18/2012	2/14/2013	1515
AC (Active)	2/20/2013	3/25/2013	830
AC (Active)	12/18/2012	2/4/2013	1000
AC (Active)	12/18/2012	2/4/2013	1520
AC (Active)	12/18/2012	2/4/2013	1560
AC (Active)	1/7/2013	2/4/2013	1915
AC (Active)	12/18/2012	1/16/2013	1660
AC (Active)	1/9/2013	2/20/2013	1775
AC (Active)	1/8/2013	2/28/2013	1620
AC (Active)	1/9/2013	2/28/2013	1430
AC (Active)	1/9/2013	3/8/2013	1500
AC (Active)	2/26/2013	4/10/2013	855
AC (Active)	2/27/2013	3/25/2013	1645
AC (Active)	2/27/2013	4/4/2013	1055
AC (Active)	2/26/2013	3/25/2013	1510
AC (Active)	2/26/2013	3/18/2013	1610
AC (Active)	2/26/2013	3/25/2013	1510
AC (Active)	2/26/2013	4/1/2013	1280
AC (Active)	2/26/2013	3/26/2013	1005
AC (Active)	2/26/2013	4/1/2013	1000
AC (Active)	3/21/2013	4/19/2013	1525
AC (Active)	3/25/2013	4/10/2013	1540
AC (Active)	4/1/2013	4/19/2013	1730
UC (Under Constructi	4/1/2013	Not Authorized	1670
AC (Active)	3/21/2013	4/10/2013	1675
AC (Active)	4/15/2013	5/15/2013	1570
AC (Active)	3/21/2013	4/10/2013	1780
Proposed	Not Authorized	Not Authorized	
AC (Active)	4/15/2013	5/22/2013	1565
AC (Active)	3/26/2013	4/18/2013	2135
AC (Active)	3/26/2013	4/18/2013	1055
AC (Active)	3/25/2013	4/10/2013	1445
AC (Active)	3/25/2013	4/25/2013	1350
AC (Active)	3/27/2013	4/19/2013	1505
AC (Active)	3/27/2013	5/8/2013	1280

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
Part II Test Required	Yes	No	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
4	5187	5197	386	3466	3970
34	5063	5073	1150	3634	4130
1	5022	5034	48	3765	4116
19	5495	5507	160	3183	3679
20	5457	5469	54	3185	3676
4	5166	5177	1150	3526	4032
19	5509	5521	92	3119	3602
33	5145	5155	2298	3641	4146
19	5537	5549	110	3207	3704
30	4980	4992	330	3922	4401
33	5282	5292	860	3702	4214
33	5134	5146	70	3593	4097
17	5379	5389	2184	3267	3762
8	5371	5384	2230	3494	3878
4	5204	5216	1160	3478	3980
4	5109	5121	100	3510	4022
35	5040	5052	100	3668	4152
18	5440	5450	119	3348	3784
19	5527	5539	113	3262	3761
5	5166	5178	712	3498	3938
31	5253	5265	3714	3587	4095
33	5128	5138	1384	3808	4176
4	5170	5180	574	3504	4014
33	5149	5162	664	3632	4131
3	5170	5179	1390	3671	3976
19	4991	5003	90	4002	4478
19	5032	5044	240	4146	4460
15	5177	5192	1000	3252	3754
35	5059	5071	270	3638	4128
7	5438	5448	1700	3462	3947
7	5319	5333	3700	3383	3901
7	5279	5292	1400	3390	3904
16	5274	5286	804	3194	3691
7	5399	5409	1400	3520	3921
16	5324	5337	4498	3290	3782
16	5321	5333	285	3134	3682
17	5324	5343	796	3232	3620
24	4994	5006	700	4152	4470
31	5052	5064	130	3858	4336
3	5123	5133	1156	3594	3994
35	5016	5028	470	3722	4210
35	5053	5069	1850	3722	4216

TD_KB	EPA CBL Reviewer Comments
5800	
5820	CBL 3956' - 5750'
6010	see review sheet
5700	
5700	
6198	A.k.a. Paiute Federal 32-4R-9-17.
5649	
5950	
5700	
6430	
6238	
6075	
5600	
5927	See well review sheet.
5808	
5975	
6100	
5600	
5750	
5890	No 80% CBI in CZ
5406	
5970	
5883	
5905	
5750	No 80% CBI
6447	
6435	
5850	see review sheet
6110	
5700	
5645	KB and GL elevations on CBL and
6180	Percentage CBL
5665	
5750	No API on CBL
6000	No CBL available. Intermediate C
5660	
6033	Well is in Section 17 (not Section
6475	
6328	See review sheet.
5750	Only B Zone logged with CBL, not
6165	
6159	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1269	28	UT22197	09954	4301316218	CASTLE DRAW 16-10-9-17
594	48	UT22197	09967	4304734880	HUMPBAC FEDERAL 10-24-8-
538	37	UT22197	09968	4304735502	FEDERAL 2-11-9-17
733	33	UT22197	09969	4304734556	FEDERAL 14-23-8-17
680	37	UT22197	09971	4301332544	FEDERAL 12-11-9-17
73	29	UT22197	09972	4301332795	GREATER BOUNDARY 1A-3-9-1
1265	32	UT22197	09973	4301331826	PARIETTE DRAW 8-22-8-17
972	18	UT22197	09974	4301332065	TAR SANDS FED 14-28-8-17
596	17	UT22197	09979	4301331440	BOUNDARY FED 12-21-8-17
402	44	UT22197	09980	4304735520	FEDERAL 4-12-9-17
422	45	UT22197	09981	4304737419	SUNDANCE 12-1-9-17
568	50	UT22197	09993	4304736246	FEDERAL 13-30-8-18
957	13	UT22197	09994	4301330721	FEDERAL 34-5H-9-17
1273	28	UT22197	09995	4301330568	FEDERAL 8-10-9-17
651	63	UT22197	09996	4304732742	FEDERAL 34-29-8-18
960	65	UT22197	09997	4304740167	FEDERAL 3-28-8-18
843	21	UT22197	09998	4301332076	PLEASANT VALLEY 7-9-9-17
585	17	UT22197	10009	4301331532	BOUNDARY FED 10-21-8-17
670	18	UT22197	10010	4301331642	TAR SANDS FED 2-28-8-17
825	30	UT22197	10013	4301332277	GREATER BOUNDARY 8-34-8-1
661	27	UT22197	10014	4301332018	S PLEASANT VALLEY FED 4-15-
860	18	UT22197	10015	4301332111	TAR SANDS FED 16-28-8-17
1028	51	UT22197	10016	4304734504	FEDERAL 8-31-8-18
1129	95	Not EPA Re	Not EPA	4304732842	CASTLE DRAW 8-2
1164	28	Not EPA Re	Not EPA	4301330973	CASTLE DRAW USA 3-N10
1163	46	Not EPA Re	Not EPA	4304720462	CASTLE PEAK UNIT 1
1484	91	Not EPA Re	Not EPA	4304735211	E Pariette 2-7-9-19
1136	94	Not EPA Re	Not EPA	4304740597	E PARIETTE FED 10-8-9-19
1099	57	Not EPA Re	Not EPA	4304740093	FEDERAL 10-29-9-18
1314	86	Not EPA Re	Not EPA	4304736469	FEDERAL 11-12-9-18
1254	92	Not EPA Re	Not EPA	4304739776	FEDERAL 13-18-9-19
1060	67	Not EPA Re	Not EPA	4304732653	FEDERAL 13-4-9-18
1109	53	Not EPA Re	Not EPA	4304736162	FEDERAL 16-7-9-18
1038	78	Not EPA Re	Not EPA	4304739630	FEDERAL 2-28-9-18
1134	57	Not EPA Re	Not EPA	4304739632	FEDERAL 2-29-9-18
1127	86	Not EPA Re	Not EPA	4304736465	FEDERAL 3-12-9-18
1153	78	Not EPA Re	Not EPA	4304732846	FEDERAL 33-26
1086	54	Not EPA Re	Not EPA	4304732780	FEDERAL 34-18I
1315	86	Not EPA Re	Not EPA	4304751282	FEDERAL 3A-12-9-18 (Rig Skid)
1069	84	Not EPA Re	Not EPA	4304730717	FEDERAL 4-30B
1085	54	Not EPA Re	Not EPA	4304732776	FEDERAL 44-18I-9-18
1282	4	Not EPA Re	Not EPA	4301333494	JONAH H-6-9-17

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
AC (Active)	3/27/2013	5/15/2013	1580
AC (Active)	4/15/2013	5/30/2013	1070
UC (Under Constructi	4/23/2013	Not Authorized	1035
UC (Under Constructi	4/23/2013	Not Authorized	1220
AC (Active)	4/23/2013	5/28/2013	1180
AC (Active)	4/23/2013	5/15/2013	1555
UC (Under Constructi	4/23/2013	Not Authorized	1200
UC (Under Constructi	4/23/2013	Not Authorized	1600
AC (Active)	4/23/2013	5/23/2013	1470
UC (Under Constructi	4/25/2013	Not Authorized	1155
AC (Active)	4/25/2013	5/30/2013	1300
Proposed	Not Authorized	Not Authorized	
Proposed	Not Authorized	Not Authorized	
Proposed	Not Authorized	Not Authorized	
UC (Under Constructi	5/23/2013	Not Authorized	960
UC (Under Constructi	5/30/2013	Not Authorized	950
UC (Under Constructi	5/15/2013	Not Authorized	1525
UC (Under Constructi	5/23/2013	Not Authorized	1495
UC (Under Constructi	5/22/2013	Not Authorized	1670
Proposed	Not Authorized	Not Authorized	
Proposed	Not Authorized	Not Authorized	
Proposed	Not Authorized	Not Authorized	
Proposed	Not Authorized	Not Authorized	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL	Yes	Yes	Yes	090S	170E
No Part II Demo	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	180E
No Part II Demo			No	090S	170E
No Part II Demo			No	090S	170E
No Part II Demo			No	080S	170E
No Part II Demo			No	090S	190E
No Part II Demo			No	090S	190E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	190E
No Part II Demo	Yes		No	090S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	080S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	190E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
10	5166	5178	1756	3312	3808
24	5003	5015	192	4008	4459
11	5044	5056	160	3384	3878
23	5114	5126	312	3984	4493
11	5115	5127	260	3319	3817
3	5088	5100	135	3716	4105
22	5098	5108	1230	4018	4512
28	5109	5121	78	3698	4204
21	5247	5262	1950	4007	4526
12	5057	5069	100	3536	3922
1	5036	5048	104	3642	4009
30	4992	5004	1790	3837	4310
5	5205	5216	710	3482	3902
10	5094	5104	2500	3198	3844
29	4917	4925	2430		4269
28	4925	4937	72	3892	4371
9	5247	5257	488	3423	3922
21	5222	5234	1869	4025	4540
28	5220	5233	254	3925	4436
34	5084	5094	456	3732	4234
15	5220	5232	250	3402	3771
28	5113	5123	500	3727	4236
31	5021	5033	960	3820	4291
2	4809	4823		3609	4056
10					
36					
7					
8					
29					
12					
18					
4	4962	4972	4093	3548	4076
7	5056	5068		3352	3847
28	5077	5089		3054	3538
29					
12					
26	4932				
18					
12					
30					
18	5118				
6					

TD_KB	EPA CBL Reviewer Comments
6034	TOC by EPA
6411	
6380	
5755	
6050	
6300	Production well. The upper perfo
6000	
7800	T8S-R17E
5865	
5975	
6275	No Class II ERs in Sec 30. complia
6067	Well name on log is Allen Fed. 34
6048	No CBL at State or Newfield. No
6200	CBL INCOMPLETE
6390	
5666	See well review sheet.
6400	T8S-R17E
6380	Location: T8S-R17E. Note: A ce
6289	
5500	
6167	
6289	observe surface weekly
5903	
6000	EPA TOC 3407' No CBL run...W.
5950	
5500	
6320	
5700	P&A No CBL and No logs in UT da

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1283	40	Not EPA Re	Not EPA	4301333617	JSW FED 2-26
1284	25	Not EPA Re	Not EPA	4301333618	JW FEDERAL 2-27
1145	58	Not EPA Re	Not EPA	4304732684	KIDD FEDERAL 20-14
1125	26	Not EPA Re	Not EPA	4301333306	LONE TREE FED 9-22-9-17
1116	28	Not EPA Re	Not EPA	4301331592	MONUMENT FEDERAL 32-10-9
1083	95	Not EPA Re	Not EPA	4304731453	PARIETTE BENCH FED 23-5
1277	91	Not EPA Re	Not EPA	4304715680	PARIETTE BENCH U 2
1147	59	Not EPA Re	Not EPA	4304716256	PARIETTE BENCH U 7
1067	92	Not EPA Re	Not EPA	4304720161	PHILLIPS STATE 1
1312	78	Not EPA Re	Not EPA	4304731692	REX LAMB 34-2
1255	84	Not EPA Re	Not EPA	4304736772	SHEEP WASH FED 41-25-9-18
1077	9	Not EPA Re	Not EPA	4301310227	SOUTH KRALOVEC FED 1
1075	3	Not EPA Re	Not EPA	4301310977	STATE 1
1316	14	Not EPA Re	Not EPA	4301333803	STATE 2A-32T-8-17
1143	88	Not EPA Re	Not EPA	4304731593	STATE 36-10
1128	46	Not EPA Re	Not EPA	4304739769	STATE 4-36T-8-17
1041	62	Not EPA Re	Not EPA	4304734466	SUNDANCE ST 16-32-8-18
1287	58	Not EPA Re	Not EPA	4304732568	UTD KIDD 20-16 C
1252	88	Not EPA Re	Not EPA	4304740333	UTE TRIBAL 15A-35-4-1E
808	97	Not EPA Re	Not EPA	4304720011	HENDEL FED 1-9-9-19
261	22	Not EPA Re	Not EPA	4301330552	STATE 16-2
987	36	Not EPA Re	Not EPA	4304739772	STATE 23-2T-9-17
1155	4	Not EPA Re	Not EPA	4301330585	ALLEN FEDERAL 14-6
1157	66	Not EPA Re	Not EPA	4304732505	BALCRON FEDERAL 44-33Y-8-1
1074	41	Not EPA Re	Not EPA	4304732564	BALCRON ST 41-36Y
1158	16	Not EPA Re	Not EPA	4301331380	BOUNDARY FEDERAL 10-20-8-
1095	33	Not EPA Re	Not EPA	4304734557	CANVASBACK 15-23-8-17
1096	20	Not EPA Re	Not EPA	4301332072	CASTLE DRAW 2-4-9-17
1131	85	Not EPA Re	Not EPA	4304731666	EIGHT MILE FLAT UNIT 43-13-
1097	43	Not EPA Re	Not EPA	4304736014	FEDERAL 10-13-9-17
1098	7	Not EPA Re	Not EPA	4301333195	FEDERAL 10-19-9-17
1036	68	Not EPA Re	Not EPA	4304736051	FEDERAL 10-9-9-18
1070	93	Not EPA Re	Not EPA	4304730908	FEDERAL 11-17-9-19
1103	65	Not EPA Re	Not EPA	4304736712	FEDERAL 11-28-8-18
1104	68	Not EPA Re	Not EPA	4304735763	FEDERAL 11-9-9-18
1105	7	Not EPA Re	Not EPA	4301333199	FEDERAL 14-19-9-17
1106	68	Not EPA Re	Not EPA	4304735841	FEDERAL 14-9-9-18
1107	68	Not EPA Re	Not EPA	4304735842	FEDERAL 15-9-9-18
1108	49	Not EPA Re	Not EPA	4304736194	FEDERAL 16-19-8-18
1110	41	Not EPA Re	Not EPA	4304734951	FEDERAL 2-25-9-17
1094	63	Not EPA Re	Not EPA	4304731586	FEDERAL 23-29-D
1150	50	Not EPA Re	Not EPA	4304732078	FEDERAL 23-30-8-18

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Part II MI Demo Method	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
No Part II Demo			No	090S	170E
No Part II Demo			No	090S	170E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	170E
No Part II Demo			No	090S	170E
No Part II Demo			No	090S	190E
No Part II Demo			No	090S	190E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	190E
No Part II Demo			No	040S	010E
No Part II Demo			No	090S	180E
No Part II Demo			No	090S	170E
No Part II Demo			No	080S	160E
No Part II Demo			No	080S	170E
No Part II Demo			No	080S	180E
No Part II Demo			No	080S	170E
No Part II Demo			No	080S	180E
No Part II Demo			No	090S	180E
No Part II Demo			No	040S	010E
Part II Test Required	Yes	No	No	090S	190E
Part II Test Required	Yes	No	No	090S	170E
Part II Test Required	Yes	No	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	080S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	080S	170E
No Part II Demo	P&A OK	P&A OK	No	080S	170E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	190E
No Part II Demo	P&A OK	P&A OK	No	080S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	080S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	080S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	080S	180E
No Part II Demo	P&A OK	P&A OK	No	080S	180E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
26	5280				
27	5282				
20					
22					
10	5117	5127		3354	3741
5					
7	4735	4747		3404	3876
17					
16					
34	4392		3100		
25					
29	5450				
36					
32	5211				
36					
36					
32					
20	5121				
35					
9	4689	4699	4188	3288	3702
16	5237	5247	4470	3334	3770
2	5087	5112	8376		
6					
33					
36	5285	5295		3054	3419
20	5283	5295		3818	4210
23	5112	5124		4004	4500
4	5146	5156			
13	4836	4849		3248	3686
13	5142	5154		3354	3717
19	5528	5540			
9					
17	4727	4740	0	3176	3598
28	4869	4881		3789	4277
9	5005	5017		3452	3930
19					
9	5011	5023		3407	3884
9	4972	4984			
19	5003	5015			
25	5238				
29					
30	4967	4979			

TD_KB	EPA CBL Reviewer Comments
5607	2-26-9-17. Missing WBD and CBL
7062	2-27-9-17. Missing WBD and CBL
5650	
7660	
6350	
11,800	Well is P&A. Incomplete data.
	Deep gas well.
5570	Producing well. Tubing leak 5/22
5230	Very poor CBL
5675	No CBL coverage of CZ. Tops fro
13,516	DEEP GAS WELL Acoustic
5300	P&A. No CBL or schematic and n
6560	
6455	
5850	P&A well. No production casing.
5992	
5687	No CBL, nor in UT database. P
5700	Well is P&A. No production casin
320	Shallow well.
4965	
6225	
5860	P&A well. No production casing.
314	State website shows TD as 314'.
5725	P&A well. No production casing.
320	Shallow P&A well.
90	No CBL and no logs in UT databas
6250	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1151	79	Not EPA Re	Not EPA	4304732099	FEDERAL 24-35-8-18
1039	68	Not EPA Re	Not EPA	4304736048	FEDERAL 2-9-9-18
1111	41	Not EPA Re	Not EPA	4304738393	FEDERAL 2A-25-9-17
1152	89	Not EPA Re	Not EPA	4304731684	FEDERAL 31-2
1100	43	Not EPA Re	Not EPA	4304735701	FEDERAL 7-13-9-17
1101	59	Not EPA Re	Not EPA	4304735562	FEDERAL 7-17-9-18
1133	75	Not EPA Re	Not EPA	4304731127	FEDERAL 8-3-9-18
1066	6	Not EPA Re	Not EPA	4301332654	FEDERAL 9-13-9-16
1102	59	Not EPA Re	Not EPA	4304735563	FEDERAL 9-17-9-18
1159	76	Not EPA Re	Not EPA	4304731587	FEDERAL NGC 32-34D
1160	27	Not EPA Re	Not EPA	4301330715	FEDERAL NGC 44-15-H
1112	20	Not EPA Re	Not EPA	4301320081	GOVERNMENT 4-1R-9-17
1146	77	Not EPA Re	Not EPA	4304711359	GOVERNMENT 691-1
1114	16	Not EPA Re	Not EPA	4301332784	GREATER BOUNDARY UNIT 11
1079	94	Not EPA Re	Not EPA	4304730057	HENDEL FED 1-8-9-19
1080	91	Not EPA Re	Not EPA	4304730064	HENDEL FED 2-17
1162	72	Not EPA Re	Not EPA	4304732683	KIDD FEDERAL 22-11
1089	20	Not EPA Re	Not EPA	4301331194	MAXUS FEDERAL 24-4-9-17
1272	70	Not EPA Re	Not EPA	4304732726	MON FED 14-21Y-9-18
1115	39	Not EPA Re	Not EPA	4301331624	MONUMENT FEDERAL 21-23-9
1149	94	Not EPA Re	Not EPA	4304732782	MUIRFIELD FEDERAL 13-8-9-1
1072	56	Not EPA Re	Not EPA	4304731244	NGC FED 11-31-I
1065	9	Not EPA Re	Not EPA	4301330932	NUTTER HOLE ST 3-32
1117	46	Not EPA Re	Not EPA	4304733076	ODEKIRK SPRING 13-36-8-17
1081	92	Not EPA Re	Not EPA	4304730068	PARIETTE BENCH 10
1091	92	Not EPA Re	Not EPA	4304731125	PARIETTE BENCH 22-18-9-19
1082	87	Not EPA Re	Not EPA	4304731583	PARIETTE BENCH FED 23-1
1084	95	Not EPA Re	Not EPA	4304731199	PARIETTE BENCH FED 34-5-9-1
1140	91	Not EPA Re	Not EPA	4304710872	PARIETTE BENCH U 3
1078	68	Not EPA Re	Not EPA	4304710298	PARIETTE BENCH U 5
1141	95	Not EPA Re	Not EPA	4304710873	PARIETTE BENCH U 6
1148	80	Not EPA Re	Not EPA	4304716257	PARIETTE BENCH U 8
1093	92	Not EPA Re	Not EPA	4304730063	PARIETTE BENCH U 9
1118	32	Not EPA Re	Not EPA	4301331813	PARIETTE DRAW 9-22-8-17
1126	33	Not EPA Re	Not EPA	4304732672	PARIETTE DRAW FED 10-23-8-
1154	88	Not EPA Re	Not EPA	4304731463	PARIETTE FEDERAL 13-25
1087	78	Not EPA Re	Not EPA	4304731473	PARIETTE FEDERAL 16-26
1088	65	Not EPA Re	Not EPA	4304731494	PARIETTE FEDERAL 16-28
1138	58	Not EPA Re	Not EPA	4304730645	POMCO 12-20
1137	9	Not EPA Re	Not EPA	4301330524	POMCO 17-29-9-17
1144	85	Not EPA Re	Not EPA	4304731538	QUEST FEDERAL 34-13-9-18
1119	18	Not EPA Re	Not EPA	4301331943	SAND WASH 12-28-8-17

[illegible]

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
No Part II Demo	P&A OK	P&A OK	P&A OK	080S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	080S	190E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	160E
No Part II Demo	P&A OK	P&A OK	No	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	080S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	080S	180E
No Part II Demo	P&A OK	P&A OK	No	080S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	190E
No Part II Demo	P&A OK	P&A OK	No	090S	190E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	190E
No Part II Demo	P&A OK	P&A OK	No	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	No	080S	170E
No Part II Demo	P&A OK	P&A OK	No	090S	190E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	190E
No Part II Demo	P&A OK	P&A OK	No	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	190E
No Part II Demo	P&A OK	P&A OK	No	090S	190E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	190E
No Part II Demo	P&A OK	P&A OK	No	090S	190E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	190E
No Part II Demo	P&A OK	P&A OK	No	080S	170E
No Part II Demo	P&A OK	P&A OK	No	080S	180E
No Part II Demo	P&A OK	P&A OK	P&A OK	080S	180E
No Part II Demo	P&A OK	P&A OK	No	080S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	180E
No Part II Demo	P&A OK	P&A OK	No	090S	170E
No Part II Demo	P&A OK	P&A OK	P&A OK	090S	180E
No Part II Demo	P&A OK	P&A OK	No	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
35	4852	4862		3702	4174
9					
25					
31	4844	4858		3738	4208
13	5126	5138			
17	5059	5071		3470	3792
3	4885	4905	2872	3626	4094
13					
17	5070	5082			
34					
15	5230	5244			3678
4	5172	5184		3702	4038
27	4802				
20	5293	5305			
8	4698	4711		3300	3730
17	4764	4777		3314	3742
22	5042			3278	3623
4	5188	5202			
21	5108	5124	242	3257	3588
23	5159	5169		3048	3586
8	4700	4713		3317	3764
31					
32	5596				
36	5035	5045		3674	4040
18	4772	4785		3300	3736
18	4,811				
1	4809	4820		3568	4026
5	4763	4777		3558	4006
7		4222			
9	4978	4990		3416	3889
5	4714	4725			
2	4854	4867		3591	4056
18	4,744	4757		3283	3713
22					
23	5058				
25	4,916	4,928			
26	4915		1223		
28	4895	4907		3794	4288
20	5208	5220		3378	3696
29	5524				
13	4896	4906		3254	3697
28	5171	5184			

TD_KB	EPA CBL Reviewer Comments
6050	
320	Shallow well.
	Plugged to BLM specification
6060	P&A. No production casing. Loca
320	P&A. Shallow well
5700	P&A. No CBL. No production casi
6398	
4810	P&A well. No CBL. See review sh
310	Shallow P&A well.
5410	A.k.a. Blackjack Federal 4-1R-9-1
6284	
4724	
4926	
4950	
5086	P&A No CBL run. Tops from GR I
5964	P&A well. No production casing.
5268	P&A
5646	
5850	3-32-9-17. Well is P&A. Incompl
5,553	P&A well. No CBL.
6050	
5700	
5950	
6000	P&A well. No production casing.
5630	
6103	
4,850	P&A well. No CBL.
305	
6320	P&A well. CBL interval: 4,250 (n
6340	
5879	P&A No CBL Tops from GR log
6262	Full Name: Pomco 17-29-9-17.
5992	
6105	A.k.a.: "Tar Sands Federal 12-28-

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1135	7	Not EPA Re	Not EPA	4301331610	SOUTH PLEASANT VALLEY FED
1120	69	Not EPA Re	Not EPA	4304735822	STATE 11-16-9-18
1121	80	Not EPA Re	Not EPA	4304735779	STATE 16-2-9-18
1122	51	Not EPA Re	Not EPA	4304737388	SUNDANCE FED 16-31-8-18
1123	62	Not EPA Re	Not EPA	4304732828	SUNDANCE ST 6-32
1113	15	Not EPA Re	Not EPA	4301330435	Tar Sand 7-29R-8-17
1124	19	Not EPA Re	Not EPA	4301331841	TAR SANDS FED 13-33
1165	82	Not EPA Re	Not EPA	4304732781	TROON FEDERAL 33-14-9-18
1073	91	Not EPA Re	Not EPA	4304731536	UTE TRIBAL #1-1
449	13	Not EPA Re	Not EPA	4301330612	ALLEN FED 21-5
691	32	Not EPA Re	Not EPA	4301331538	BALCRON MON FED 22-22Y-8-
494	47	Not EPA Re	Not EPA	4304732527	BALCRON MONUMENT FED 13
876	12	Not EPA Re	Not EPA	4301333573	BELUGA B-17-9-17
1005	11	Not EPA Re	Not EPA	4301334087	BELUGA FED G-17-9-17
869	11	Not EPA Re	Not EPA	4301334121	BELUGA FED i-17-9-17
712	5	Not EPA Re	Not EPA	4301333924	BELUGA FED Q-7-9-17
629	12	Not EPA Re	Not EPA	4301333928	BELUGA FED Q-8-9-17
884	12	Not EPA Re	Not EPA	4301333929	BELUGA FED R-8-9-17
737	12	Not EPA Re	Not EPA	4301333930	BELUGA FED S-8-9-17
592	6	Not EPA Re	Not EPA	4301332808	BELUGA FEDERAL 15-18-9-17
477	6	Not EPA Re	Not EPA	4301332810	BELUGA FEDERAL 5-18-9-17
888	6	Not EPA Re	Not EPA	4301334156	BELUGA FEDERAL D-18-9-17
790	11	Not EPA Re	Not EPA	4301334086	BELUGA FEDERAL H-17-9-17
910	22	Not EPA Re	Not EPA	4301334045	BELUGA STATE F-16-9-17
800	22	Not EPA Re	Not EPA	4301334122	BELUGA STATE G-16-9-17
462	22	Not EPA Re	Not EPA	4301334148	BELUGA UNIT Q-16-9-17
865	5	Not EPA Re	Not EPA	4301350182	BELUGA UNIT T-7-9-17
826	11	Not EPA Re	Not EPA	4301333572	BELUGA X-8-9-17
424	28	Not EPA Re	Not EPA	4301333920	BLACKJACK FED F-10-9-17
1006	28	Not EPA Re	Not EPA	4301333919	BLACKJACK FED G-10-9-17
518	28	Not EPA Re	Not EPA	4301333931	BLACKJACK FED R-10-9-17
824	21	Not EPA Re	Not EPA	4301333899	BLACKJACK FED V-4-9-17
775	28	Not EPA Re	Not EPA	4301332508	BLACKJACK FEDERAL 2-10-9-1
849	20	Not EPA Re	Not EPA	4301333921	BLACKJACK L-4-9-17
439	28	Not EPA Re	Not EPA	4301333884	BLACKJACK O-10-9-17
404	28	Not EPA Re	Not EPA	4301333918	BLACKJACK P-10-9-17
1276	28	Not EPA Re	Not EPA	4301333917	BLACKJACK Q-10-9-17
674	19	Not EPA Re	Not EPA	4301334071	BLACKJACK UNIT N-33-8-17
405	17	Not EPA Re	Not EPA	4301331557	BOUNDARY 8-21
370	16	Not EPA Re	Not EPA	4301331626	BOUNDARY FED 6-20-8-17
911	32	Not EPA Re	Not EPA	4301350022	CANVASBACK 3-22-8-17
974	33	Not EPA Re	Not EPA	4301333937	CANVASBACK FED G-23-8-17

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
19	5512				
16	5042	5054		3454	3778
2	4804	4816		3510	3970
31					
32	4982	4995		3872	4259
29	5280	5297			
33	5211	5224		3605	4116
14	4931	4942		3330	3773
1	4938		1959		
5	5235	5245	1140	3626	4052
22	5156	5169	2700	4034	4538
25	4990	5002	138	3825	4313
8	5336	5348	56	3420	3918
17	5392	5404	90	3381	3890
17	5338	5350	54	3370	3874
7	5380	5392	30	3458	3927
8	5341	5353	224	3493	3924
8	5341	5353	57	3434	3936
8	5306	5318	32	3418	3926
18	5484	5496	1902	3344	3777
18	5461	5473	125	3583	3826
18	5379	5391	58	3441	3896
17	5362	5374	38	3367	3823
16	5310	5322	62	3342	3848
16	5289	5301	40	3337	3846
16	5291	5303	120	3244	3758
7	5401	5413	525	3484	4000
17	5369	5381	46	3410	3918
10	5195	5207	106	3484	4001
10	5159	5171	90	3440	3962
10	5192	5204	150	3369	3888
9	5218	5230	452	3574	4036
10	5086	5098	360	3372	3870
4	5169	5181	50	3575	4094
9	5197	5209	112	3432	3948
9	5222	5234	100	3398	3912
10	5209	5221	58	3386	3795
33	5163	5175	26	3662	4174
21	5206	5218	100	4061	4580
20	5269	5282	0	4046	4562
22	5165	5177	62	4082	4586
23	5084	5096	79	4134	4633

TD_KB	EPA CBL Reviewer Comments
5900	Well name: "South Pleasant Valle
5672	P&A. No CBL. No production ca
5796	
14245	P&A well. Well has production ca
5900	
5800	P&A No CBL run and no schmatic
6400	
5400	
6400	Well name does not always inclu
6205	See review sheet.
6015	See well review sheet.
5975	
5932	Note: "Federal" not included in n
6056	
6066	See well review sheet.
5980	See well review sheet.
6321	See well review sheet.
5760	
5830	
6025	
5945	
5900	Located 1/4 mile from deep gas
5885	
5828	
6163	A.k.a. "Beluga Federal T-7-9-17"
6070	This well is in Section 17 (not Sect
6030	
6020	
5946	
6185	See special requirements.
5830	
6136	
5990	
5950	
5990	
6265	
6394	WBD and CBL show well name as
6480	
6625	"Federal" included in well name o
6785	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
639	33	Not EPA Re	Not EPA	4304739969	CANVASBACK FED H-23-8-17
872	32	Not EPA Re	Not EPA	4301334074	CANVASBACK R-22-8-17
625	36	Not EPA Re	Not EPA	4301333785	CASTLE DRAW Q-2-9-17
877	36	Not EPA Re	Not EPA	4304739680	CASTLE DRAW S-2-9-17
427	36	Not EPA Re	Not EPA	4301333015	CASTLE DRAW ST G-2-9-17
878	36	Not EPA Re	Not EPA	4304740411	CASTLE DRAW ST H-2-9-17
570	36	Not EPA Re	Not EPA	4304740534	CASTLE DRAW ST N-2-9-17
508	94	Not EPA Re	Not EPA	4304740596	E PARIETTE FED 6-8-9-19
941	94	Not EPA Re	Not EPA	4304740598	EAST PARIETTE FED 11-8-9-19
1310	6	Not EPA Re	Not EPA	4301332954	FED 9-13T-9-16
1020	7	Not EPA Re	Not EPA	4301333603	FEDERAL 14A-19-9-17(Rig Ski
923	61	Not EPA Re	Not EPA	4304737712	FEDERAL 3-5-9-18
519	37	Not EPA Re	Not EPA	4304735500	FEDERAL 10-11-9-17
750	38	Not EPA Re	Not EPA	4304736069	FEDERAL 10-14-9-17
564	45	Not EPA Re	Not EPA	4304735090	FEDERAL 10-1-9-17
406	49	Not EPA Re	Not EPA	4304736188	FEDERAL 10-19-8-18
669	55	Not EPA Re	Not EPA	4304739396	FEDERAL 10-19-9-18
755	10	Not EPA Re	Not EPA	4301333229	FEDERAL 10-20-9-17
480	42	Not EPA Re	Not EPA	4304739264	FEDERAL 10-24-9-17
600	50	Not EPA Re	Not EPA	4304736229	FEDERAL 10-30-8-18
443	51	Not EPA Re	Not EPA	4304734930	FEDERAL 10-31-8-18
913	66	Not EPA Re	Not EPA	4304735976	FEDERAL 10-33-8-18
822	67	Not EPA Re	Not EPA	4304735594	FEDERAL 10-4-9-18
407	61	Not EPA Re	Not EPA	4304735891	FEDERAL 10-5-9-18
804	52	Not EPA Re	Not EPA	4304735753	FEDERAL 10-6-9-18
912	53	Not EPA Re	Not EPA	4304735453	FEDERAL 10-7-9-18
1025	60	Not EPA Re	Not EPA	4304736119	FEDERAL 10-8-9-18
679	74	Not EPA Re	Not EPA	4304736206	FEDERAL 1-10-9-18
126	54	Not EPA Re	Not EPA	4304735584	FEDERAL 11-18-9-18
418	10	Not EPA Re	Not EPA	4301333230	FEDERAL 11-20-9-17
489	42	Not EPA Re	Not EPA	4304739265	FEDERAL 11-24-9-17
1226	6	Not EPA Re	Not EPA	4301332660	FEDERAL 1-13-9-16
517	82	Not EPA Re	Not EPA	4304736312	FEDERAL 1-14-9-18
151	54	Not EPA Re	Not EPA	4304735580	FEDERAL 1-18-9-18
707	81	Not EPA Re	Not EPA	4304731029	FEDERAL 12-11-9-18
631	43	Not EPA Re	Not EPA	4304736013	FEDERAL 12-13-9-17
915	38	Not EPA Re	Not EPA	4301332704	FEDERAL 12-14-9-17
778	49	Not EPA Re	Not EPA	4304736190	FEDERAL 12-19-8-18
937	7	Not EPA Re	Not EPA	4301333197	FEDERAL 12-19-9-17
662	55	Not EPA Re	Not EPA	4304739419	FEDERAL 12-19-9-18
1169	84	Not EPA Re	Not EPA	4304738407	FEDERAL 12-19-9-19
438	42	Not EPA Re	Not EPA	4304739266	FEDERAL 12-24-9-17

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	190E
CBL	Yes	Yes	Yes	090S	190E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	190E
CBL	Yes	Yes	Yes	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
23	5042	5054	234	4103	4610
22	5180	5192	550	4060	4572
2	5057	5069	220	3648	4023
2	5020	5032	56	3678	4025
2	6476	6488	110	3771	4144
2	5019	5031	56	3704	4062
2	5049	5061	180	3710	4069
8	4713	4725	144	3378	3813
8	4700	4712	7	3321	3758
13	5502	5512	554	3359	3814
19	5533	5545	92	3130	3620
5	4952	4964	66	3759	4261
11	5080	5092	150	3476	3811
14	5167	5179	330	3266	3691
1	5024	5036	174	3641	3994
19	4980	4992	100	4004	4482
19	5169	5181	252	3116	3594
20	5392	5404	334	3072	3562
24	5203	5215	1260	3221	3593
30	4958	4970	200	3842	4320
31	4986	4998	1125	3728	4194
33	4987	4909	620	3683	4158
4	4960	4972	450	3612	4108
5	4970	4982	100	3545	4021
6	5001	5011	400	3560	4038
7	5059	5071	62	3568	3883
8	5030	5042	950	3426	3918
10	4884	4896	260	3514	3974
18	5114	5126	180	3380	3734
20	5412	5424	102	3090	3582
24	5209	5221	134	3208	3579
13	5459	5471	570	3404	3854
14	4848	4860	149	3328	3779
18	5076	5088	206	3478	3804
11	4890	4900	2950	3430	3890
13	5144	5156	225	3318	3693
14	5207	5219	630	3286	3716
19	4987	4999	360	3989	4470
19	5554	5566	69	3184	3681
19	5190	5202	250	3110	3604
19	4851	4869	0	3138	3534
24	5206	5218	1115	3177	3550

TD_KB	EPA CBL Reviewer Comments
6735	
6688	The state website includes "Feder
6082	Elevations corrections
5866	Newfield map location (BHL) is ap
6250	
6145	API # corrected on well schematic
6200	
5680	
5625	
4779	see review sheet
5673	WBD had incorrect API # and inco
6428	
5760	
5630	
5984	
6445	
5561	
5630	
5445	
6300	
6214	
6608	
6020	
6000	
5970	
5885	
5925	
5900	
5576	
5600	
5480	
5835	
5650	No schematic. Shut in Oil well
5662	
6200	State TD @ 5650'
5590	
5690	API ON CBL CORRECTED TO -3270
6420	
6321	
5560	
13,055	Deep gas well. Excellent example
5430	Schematic has location errors

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1271	78	Not EPA Re	Not EPA	4304732731	FEDERAL 12-26
762	63	Not EPA Re	Not EPA	4304736664	FEDERAL 12-29-8-18
602	50	Not EPA Re	Not EPA	4304736245	FEDERAL 12-30-8-18
989	51	Not EPA Re	Not EPA	4304734502	FEDERAL 12-31-8-18
789	35	Not EPA Re	Not EPA	4301332708	FEDERAL 12-35-8-17
472	39	Not EPA Re	Not EPA	4304739449	FEDERAL 1-23-9-17
1219	7	Not EPA Re	Not EPA	4301333082	FEDERAL 1-24-9-16
692	42	Not EPA Re	Not EPA	4304739257	FEDERAL 1-24-9-17
663	67	Not EPA Re	Not EPA	4304735595	FEDERAL 12-4-9-18
1179	8	Not EPA Re	Not EPA	4301333553	FEDERAL 1-25-9-16
429	61	Not EPA Re	Not EPA	4304735506	FEDERAL 12-5-9-18
731	52	Not EPA Re	Not EPA	4304735752	FEDERAL 12-6-9-18
1008	53	Not EPA Re	Not EPA	4304735503	FEDERAL 12-7-9-18
904	68	Not EPA Re	Not EPA	4304736052	FEDERAL 12-9-9-18
788	50	Not EPA Re	Not EPA	4304736222	FEDERAL 1-30-8-18
890	7	Not EPA Re	Not EPA	4301333198	FEDERAL 13-19-9-17
553	55	Not EPA Re	Not EPA	4304739420	FEDERAL 13-19-9-18
981	64	Not EPA Re	Not EPA	4304736284	FEDERAL 13-20-8-18
977	10	Not EPA Re	Not EPA	4301333232	FEDERAL 13-20-9-17
681	42	Not EPA Re	Not EPA	4304739267	FEDERAL 13-24-9-17
475	65	Not EPA Re	Not EPA	4304732743	FEDERAL 13-28-8-18
916	63	Not EPA Re	Not EPA	4304736665	FEDERAL 13-29-8-18
603	66	Not EPA Re	Not EPA	4304731838	FEDERAL 13-33DR-8-18
563	79	Not EPA Re	Not EPA	4304731454	FEDERAL 1-35
932	60	Not EPA Re	Not EPA	4304736120	FEDERAL 13-8-9-18
536	75	Not EPA Re	Not EPA	4304736298	FEDERAL 1-3-9-18
732	37	Not EPA Re	Not EPA	4304735498	FEDERAL 14-11-9-17
560	44	Not EPA Re	Not EPA	4304735517	FEDERAL 14-12-9-17
726	43	Not EPA Re	Not EPA	4304736012	FEDERAL 14-13-9-17
905	38	Not EPA Re	Not EPA	4304736068	FEDERAL 14-14-9-17
1033	49	Not EPA Re	Not EPA	4304736192	FEDERAL 14-19-8-18
608	55	Not EPA Re	Not EPA	4304739421	FEDERAL 14-19-9-18
739	64	Not EPA Re	Not EPA	4304736285	FEDERAL 14-20-8-18
803	10	Not EPA Re	Not EPA	4301333233	FEDERAL 14-20-9-17
713	63	Not EPA Re	Not EPA	4304736717	FEDERAL 14-29-8-18
521	50	Not EPA Re	Not EPA	4304736230	FEDERAL 14-30-8-18
537	66	Not EPA Re	Not EPA	4304736025	FEDERAL 14-33-8-18
883	67	Not EPA Re	Not EPA	4304731181	FEDERAL 14-4-9-18
896	61	Not EPA Re	Not EPA	4304735505	FEDERAL 14-5-9-18
383	53	Not EPA Re	Not EPA	4304735454	FEDERAL 14-7-9-18
807	60	Not EPA Re	Not EPA	4304736121	FEDERAL 14-8-9-18
902	65	Not EPA Re	Not EPA	4304736713	FEDERAL 14A-28-8-18

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	No	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
26	4924	4932	2350	4047	4401
29	4914	4926	340	3788	4266
30	4945	4957	200	3927	4327
31	4988	5000	840	3746	4218
35	5041	5053	374	3664	4158
23	5192	5204	122	3130	3621
24	5535	5547	49	3236	3728
24	5165	5177	274	3298	3654
4	4971	4983	250	3597	4078
25	5646	5658	124	3216	3655
5	5000	5012	110	3569	4050
6	5041	5053	310	3566	4054
7	5070	5082	90	3538	3866
9	5005	5017	610	3438	3916
30	5010	5022	372	3963	4440
19	5586	5598	58	3168	3649
19	5205	5217	170	3074	3564
20	4965	4977	800	3960	4438
20	5493	5505	80	3106	3598
24	5234	5246	260	3143	3514
28	4955	4965	1234	3868	4352
29	4956	4968	630	3815	4288
33	4911	4923	200	3665	4158
35	4833	4847	1734	3734	4200
8	5064	5076	68	3350	3864
3	4867	4879	160	3639	4113
11	5136	5148	310	3306	3804
12	5063	5075	172	3402	3753
13	5163	5175	302	3305	3669
14	5194	5206	610	3228	3652
19	5069	5081	990	4030	4512
19	5193	5205	204	3084	3569
20	4948	4960	320	3949	4426
20	5459	5471	40	3073	3561
29	4936	4948	30	3780	4268
30	4973	4985	150	3822	4302
33	4911	4923	160	3677	4164
4	4978	4987	565	3572	4052
5	4984	4996	60	3573	4003
7	5079	5091	0	3356	3841
8	5054	5066	415	3352	3848
28	4901	4913	600	3802	4290

TD_KB	EPA CBL Reviewer Comments
6260	
6315	
6400	
6092	
6125	
5510	
5750	
5585	
6000	
5700	see review sheet
59980	
5980	
5875	
5850	
6450	
5675	
5540	
6445	
5625	
5350	
6250	
6370	
6080	
6200	
5865	
6025	
5750	
5632	
5552	
5600	
6470	
5530	
6430	
5590	
6250	
6260	
6085	
6100	
5950	
5800	
5855	
6265	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
340	43	Not EPA Re	Not EPA	4304735697	FEDERAL 15-13-9-17
125	59	Not EPA Re	Not EPA	4304735565	FEDERAL 15-17-9-18
64	54	Not EPA Re	Not EPA	4304735587	FEDERAL 15-18-9-18
630	55	Not EPA Re	Not EPA	4304739398	FEDERAL 15-19-9-18
969	64	Not EPA Re	Not EPA	4304736286	FEDERAL 15-20-8-18
933	10	Not EPA Re	Not EPA	4301333234	FEDERAL 15-20-9-17
963	42	Not EPA Re	Not EPA	4304739269	FEDERAL 15-24-9-17
982	65	Not EPA Re	Not EPA	4304736714	FEDERAL 15-28-8-18
1267	50	Not EPA Re	Not EPA	4304736231	FEDERAL 15-30-8-18
948	67	Not EPA Re	Not EPA	4304735476	FEDERAL 15-4-9-18
469	37	Not EPA Re	Not EPA	4304735497	FEDERAL 16-11-9-17
548	44	Not EPA Re	Not EPA	4304735516	FEDERAL 16-12-9-17
1309	6	Not EPA Re	Not EPA	4301332647	FEDERAL 16-13-9-16
903	43	Not EPA Re	Not EPA	4304736011	FEDERAL 16-13-9-17
457	7	Not EPA Re	Not EPA	4301333201	FEDERAL 16-19-9-17
728	55	Not EPA Re	Not EPA	4304739422	FEDERAL 16-19-9-18
751	64	Not EPA Re	Not EPA	4304736287	FEDERAL 16-20-8-18
879	10	Not EPA Re	Not EPA	4301333235	FEDERAL 16-20-9-17
1200	7	Not EPA Re	Not EPA	4301333345	FEDERAL 16-24-9-16
501	42	Not EPA Re	Not EPA	4304739270	FEDERAL 16-24-9-17
791	50	Not EPA Re	Not EPA	4304736232	FEDERAL 16-30-8-18
864	61	Not EPA Re	Not EPA	4304736299	FEDERAL 16-5-9-18
906	52	Not EPA Re	Not EPA	4304735751	FEDERAL 16-6-9-18
763	60	Not EPA Re	Not EPA	4304736122	FEDERAL 16-8-9-18
210	68	Not EPA Re	Not EPA	4304735768	FEDERAL 1-9-9-18
1001	43	Not EPA Re	Not EPA	4304736404	FEDERAL 2-13-9-17
461	38	Not EPA Re	Not EPA	4304736072	FEDERAL 2-14-9-17
329	12	Not EPA Re	Not EPA	4301331460	FEDERAL 21-8H-9-17
984	7	Not EPA Re	Not EPA	4301333189	FEDERAL 2-19-9-17
447	39	Not EPA Re	Not EPA	4304739448	FEDERAL 2-23-9-17
413	83	Not EPA Re	Not EPA	4304734950	FEDERAL 2-23-9-18
430	42	Not EPA Re	Not EPA	4304739258	FEDERAL 2-24-9-17
701	24	Not EPA Re	Not EPA	4301333776	FEDERAL 2-28-9-17
491	63	Not EPA Re	Not EPA	4304736659	FEDERAL 2-29-8-18
851	50	Not EPA Re	Not EPA	4304736223	FEDERAL 2-30-8-18
419	8	Not EPA Re	Not EPA	4301333773	FEDERAL 2-30-9-17
566	51	Not EPA Re	Not EPA	4304734495	FEDERAL 2-31-8-18
399	66	Not EPA Re	Not EPA	4304736024	FEDERAL 2-33-8-18
799	67	Not EPA Re	Not EPA	4304735589	FEDERAL 2-4-9-18
599	52	Not EPA Re	Not EPA	4304734013	FEDERAL 2-6-9-18
722	53	Not EPA Re	Not EPA	4304736343	FEDERAL 2-7-9-18
431	60	Not EPA Re	Not EPA	4304736115	FEDERAL 2-8-9-18

1690

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
13	5157	5169	86	3316	3684
17	5092	5104	180	3392	3728
18	5122	5134	130	3564	3712
19	5180	5192	224	3092	3573
20	4937	4949	770	33939	4414
20	5413	5425	68	3040	3531
24	5221	5233	730	3186	3556
28	4889	4901	800	3786	4276
30	4992	5004	166	3836	4322
4	4932	4944	70	3581	4012
11	5091	5103	120	3438	3777
12	5088	5100	169	3480	3822
13	5528	5339	460	3346	3777
13	5148	5160	604	3332	3682
19	5471	5483	116	3095	3585
19	5172	5184	304	3091	3575
20	4934	4946	330	3941	4413
20	5398	5410	56	3052	3540
24	5607	5619	320	3176	3650
24	5211	5223	140	3190	3562
30	4963	4975	38	3817	4288
5	4990	5002	520	3556	4043
6	5022	5034	610	3528	4020
8	5035	5047	340	3384	3871
9	4927	4937	300	3500	3962
13	5109	5121	88	3436	3784
14	5122	5134	118	3252	3750
8	5247	5260	779	3390	3892
19	5519	5531	81	3260	3759
23	5194	5206	114	3127	3617
23	4963	4975	100	3382	3684
24	5172	5184	110	3281	3648
28	5337	5349	280	3016	3459
29	4979	4991	136	3957	4433
30	4981	4993	50	3922	4404
30	5537	5549	102	3080	3577
31	5024	5036	176	3916	4392
33	4927	4939	10	3776	4269
4	4840	4852	390	3566	4042
6	4994	5006	2	3760	4279
7	5038	5030	300	3462	3956
8	5003	5015	110	3502	3992

TD_KB	EPA CBL Reviewer Comments
5550	
5514	
5525	
5530	CBL had incorrect location inform
6440	
5493	
5400	
6285	
6300	see review sheet
6000	
5737	
5668	
5900	
5729	
5617	CBL has typos (corrected by hand
5537	
6445	
5586	
5690	
5452	
6275	
5975	
5950	
5870	
5900	
5050	
5680	
6125	See well review sheet.
5750	
5590	
5590	100% = 1 Zero = 68 80%
5520	
5425	
6400	
6400	
5550	80% bond 3064' CBL to 5474'. Se
6375	
6200	
5960	
6372	
5902	
5956	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
530	57	Not EPA Re	Not EPA	4304740379	FEDERAL 2A-29-9-18 (RIGSKID)
554	35	Not EPA Re	Not EPA	4304736073	FEDERAL 2A-35-8-17
1040	82	Not EPA Re	Not EPA	4304734943	FEDERAL 3-14H-9-18
238	59	Not EPA Re	Not EPA	4304735560	FEDERAL 3-17-9-18
360	54	Not EPA Re	Not EPA	4304735581	FEDERAL 3-18-9-18
740	55	Not EPA Re	Not EPA	4304739392	FEDERAL 3-19-9-18
505	58	Not EPA Re	Not EPA	4304739424	FEDERAL 3-20-9-18
771	63	Not EPA Re	Not EPA	4304736660	FEDERAL 3-29-8-18
466	9	Not EPA Re	Not EPA	4301333775	FEDERAL 3-29-9-17
588	75	Not EPA Re	Not EPA	4304736301	FEDERAL 3-3-9-18
918	43	Not EPA Re	Not EPA	4304736406	FEDERAL 4-13-9-17
522	38	Not EPA Re	Not EPA	4301332705	FEDERAL 4-14-9-17
961	54	Not EPA Re	Not EPA	4304731142	FEDERAL 4-18-9-18
532	45	Not EPA Re	Not EPA	4304736765	FEDERAL 4-1-9-17
571	55	Not EPA Re	Not EPA	4304739393	FEDERAL 4-19-9-18
1058	76	Not EPA Re	Not EPA	4304731458	FEDERAL 42-34D-8-18
490	79	Not EPA Re	Not EPA	4304732702	FEDERAL 42-35
527	24	Not EPA Re	Not EPA	4301333688	FEDERAL 4-28-9-17
1022	63	Not EPA Re	Not EPA	4304736661	FEDERAL 4-29-8-18
870	9	Not EPA Re	Not EPA	4301333774	FEDERAL 4-29-9-17
738	8	Not EPA Re	Not EPA	4301333771	FEDERAL 4-30-9-17
636	76	Not EPA Re	Not EPA	4304731410	FEDERAL 43-34-D
686	79	Not EPA Re	Not EPA	4304732721	FEDERAL 43-35
723	66	Not EPA Re	Not EPA	4304735977	FEDERAL 4-33-8-18
741	35	Not EPA Re	Not EPA	4301332706	FEDERAL 4-35-8-17
834	61	Not EPA Re	Not EPA	4304736023	FEDERAL 4-5-9-18
871	53	Not EPA Re	Not EPA	4304736160	FEDERAL 4-7-9-18
736	60	Not EPA Re	Not EPA	4304731545	FEDERAL 4-8-9-18 (8-Mile Flat
990	68	Not EPA Re	Not EPA	4304736049	FEDERAL 4-9-9-18
212	59	Not EPA Re	Not EPA	4304735561	FEDERAL 5-17-9-18
509	49	Not EPA Re	Not EPA	4304736185	FEDERAL 5-19-8-18
551	55	Not EPA Re	Not EPA	4304739394	FEDERAL 5-19-9-18
1003	71	Not EPA Re	Not EPA	4304739628	FEDERAL 5-28-9-18
1014	37	Not EPA Re	Not EPA	4304735769	FEDERAL 6-11-9-17
463	44	Not EPA Re	Not EPA	4304735749	FEDERAL 6-12-9-17
996	38	Not EPA Re	Not EPA	4304736071	FEDERAL 6-14-9-17
809	49	Not EPA Re	Not EPA	4304736186	FEDERAL 6-19-8-18
955	7	Not EPA Re	Not EPA	4301333192	FEDERAL 6-19-9-17
601	55	Not EPA Re	Not EPA	4304739395	FEDERAL 6-19-9-18
381	10	Not EPA Re	Not EPA	4301333225	FEDERAL 6-20-9-17
446	39	Not EPA Re	Not EPA	4304739447	FEDERAL 6-23-9-17
652	42	Not EPA Re	Not EPA	4304739260	FEDERAL 6-24-9-17

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	No	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
29	5143	5155	157	3200	3536
35	5054	5066	170	3788	4284
14	4898	4911	676	3363	3818
17	5068	5080	364	3529	3846
18	5090	5102	93	3456	3786
19	5149	5161	320	3190	3678
20	5111	5123	142	3348	3674
29	4987	4998	350	3952	4426
29	5451	5463	120	3027	3516
3	4889	4901	190	3650	4114
13	5076	5088	64	3380	3740
14	5138	5150	150	3249	3750
18	5198	5110	720	3460	3794
1	4974	4986	16	3695	4053
19	5158	5170	180	3174	3660
34	4834	4848	1790	3700	4179
35	4815		1340	3742	4198
28	5425	5437	154	3089	3524
29	4991	5003	93	3941	4421
29	5472	5484	54	3044	3524
30	5563	5575	32	3086	3585
34	4832	4844	2319	3690	4161
35	4870	4880	2620	3752	4220
33	4982	4994	300	3813	4293
35	5040	5052	320	3735	4241
5	4963	4965	460	3622	4105
7	5042	5054	540	3450	3942
8	5018	5028	318	3058	3544
9	4972	4984	85	3504	3988
17	5086	5098	306	3469	3802
19	4959	4971	144	4066	4602
19	5173	5185	170	3145	3631
28	5109	5121	884	3136	3472
11	5070	5082	90	3498	3836
12	5065	5077	120	3493	3878
14	5157	5169	86	3298	3723
19	4991	5003	42	4060	4550
19	5507	5519	71	3194	3692
19	5164	5176	200	3152	3641
20	5450	5462	0	3182	3676
23	5189	5201	114	3117	3547
24	5194	5206	244	3228	3600

TD_KB	EPA CBL Reviewer Comments
5363	
6210	
10122	
5604	
5508	
5630	
5485	
6400	
5500	
6025	
5604	
5660	see review sheet
6181	
5854	
5630	
6250	Top perf 4138' - 4148'min ACZ. S
6100	
5510	
6430	
5500	
5575	CBL 80% bond 3094' CBL to 5456'
6230	
6100	
6285	
6325	
6100	
5911	
6090	
6075	
5648	
6610	See review sheet.
5500	
5350	
5794	
5850	
5675	
6666	Directional drill
5690	
5503	
5700	
5525	
5417	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
801	50	Not EPA Re	Not EPA	4304736244	FEDERAL 6-30-8-18
586	51	Not EPA Re	Not EPA	4304734499	FEDERAL 6-31-8-18
1016	66	Not EPA Re	Not EPA	4304735974	FEDERAL 6-33-8-18
777	67	Not EPA Re	Not EPA	4304735592	FEDERAL 6-4-9-18
464	61	Not EPA Re	Not EPA	4304735890	FEDERAL 6-5-9-18
696	52	Not EPA Re	Not EPA	4304734933	FEDERAL 6-6-9-18
465	60	Not EPA Re	Not EPA	4304736118	FEDERAL 6-8-9-18
678	68	Not EPA Re	Not EPA	4304736050	FEDERAL 6-9-9-18
470	85	Not EPA Re	Not EPA	4304731277	FEDERAL 7-13-9-18
1132	38	Not EPA Re	Not EPA	4304731129	FEDERAL 7-14R-9-17
683	58	Not EPA Re	Not EPA	4304739425	FEDERAL 7-20-9-18
455	42	Not EPA Re	Not EPA	4304739261	FEDERAL 7-24-9-17
945	37	Not EPA Re	Not EPA	4304735501	FEDERAL 8-11-9-17
495	44	Not EPA Re	Not EPA	4304735748	FEDERAL 8-12-9-17
1193	6	Not EPA Re	Not EPA	4301332655	FEDERAL 8-13-9-16
959	43	Not EPA Re	Not EPA	4304736405	FEDERAL 8-13-9-17
965	38	Not EPA Re	Not EPA	4304736070	FEDERAL 8-14-9-17
408	45	Not EPA Re	Not EPA	4304734940	FEDERAL 8-1-9-17
999	7	Not EPA Re	Not EPA	4301333194	FEDERAL 8-19-9-17
946	10	Not EPA Re	Not EPA	4301333227	FEDERAL 8-20-9-17
1210	7	Not EPA Re	Not EPA	4301333086	FEDERAL 8-24-9-16
882	42	Not EPA Re	Not EPA	4304739262	FEDERAL 8-24-9-17
657	57	Not EPA Re	Not EPA	4304739631	FEDERAL 8-29-9-18
850	8	Not EPA Re	Not EPA	4301333770	FEDERAL 8-30-9-17
907	66	Not EPA Re	Not EPA	4304736037	FEDERAL 8-33-8-18
444	67	Not EPA Re	Not EPA	4304735593	FEDERAL 8-4-9-18
924	52	Not EPA Re	Not EPA	4304734935	FEDERAL 8-6-9-18
552	53	Not EPA Re	Not EPA	4304735504	FEDERAL 8-7-9-18
797	68	Not EPA Re	Not EPA	4304736112	FEDERAL 8-9-9-18
149	54	Not EPA Re	Not EPA	4304735583	FEDERAL 9-18-9-18
813	49	Not EPA Re	Not EPA	4304736187	FEDERAL 9-19-8-18
920	10	Not EPA Re	Not EPA	4301333228	FEDERAL 9-20-9-17
1044	1	Not EPA Re	Not EPA	4301332359	FEDERAL 9-24-8-16
1177	7	Not EPA Re	Not EPA	4301333338	FEDERAL 9-24-9-16
863	42	Not EPA Re	Not EPA	4304739263	FEDERAL 9-24-9-17
409	50	Not EPA Re	Not EPA	4304736228	FEDERAL 9-30-8-18
269	68	Not EPA Re	Not EPA	4304735764	FEDERAL 9-9-9-18
410	1	Not EPA Re	Not EPA	4301332373	FENCE LINE FEDERAL 6-19-8-1
1048	1	Not EPA Re	Not EPA	4301332365	FENCELINE FED 1-24-8-16
1225	1	Not EPA Re	Not EPA	4301332360	FENCELINE FED 8-24-8-16
411	1	Not EPA Re	Not EPA	4301332371	FENCELINE FEDERAL 4-19-8-17
802	16	Not EPA Re	Not EPA	4301333600	GB II FED 12-20-8-17

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	160E
CBL	Yes	Yes	Yes	090S	160E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	160E
CBL	Yes	Yes	Yes	080S	160E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
30	4917	4929	40	3835	4311
31	5035	5047	190	3814	4283
33	4962	4974	904	3762	4251
4	4951	4963	360	3633	4107
5	4980	4992	120	3592	45075
6	5035	5047	275	3732	4041
8	5037	5049	120	3454	3946
9	4968	4980	260	3467	3948
13	4814	4824	1206	3250	3698
14	5150	5161	3250	3252	3750
20	5112	5124	262	3330	3658
24	5185	5197	1156	3260	3629
11	5044	5056	70	3482	37832
12	5063	5075	138	3553	3891
13	5479	5491	250	3374	3818
13	5118	5130	72	3400	3754
14	5151	5163	76	3229	3730
1	4998	5010	100	3711	4058
19	5463	5475	87	3165	3656
20	5354	5366	70	3093	3582
24	5603	5615	40	3195	3617
24	5181	5193	561	3268	3639
29	5145	5157	248	3182	3514
30	5552	5564	50	3052	3542
33	4892	4904	614	3728	4206
4	4925	4937	1125	3640	4104
6	4967	4979	66	3686	4190
7	5039	5051	170	3460	3940
9	4963	4975	390	3509	3971
18	5104	5116	202	3416	3746
19	4926	4938	420	3954	4428
20	5365	5377	650	3060	3550
24	5379	5391	0	3990	4512
24	5566	5578	110	3182	3678
24	5197	5209	520	3224	3593
30	4907	4919	100	3800	4274
9	4978	4990	47	3460	3932
19	5334	5346	100	4012	4542
24	5377	5389	530	4108	4632
24	5386	5398	570	4035	4580
19	5354	5366	100	4098	4626
20	5305	5317	40	4064	4525

TD_KB	EPA CBL Reviewer Comments
6330	
6245	
6200	
6050	
6050	
5950	
5900	
5860	
5600	Used CBL in State File
6198	
5550	
5499	
5780	
5734	
5820	A.k.a. Jonah
5620	
5690	
6000	
5700	
5590	CBL had a typo: The wrong API#
5738	
5500	
5310	
5510	see review sheet
6150	
6050	Corrected location on CBL
6315	
5900	
5925	
5612	
6416	
5550	
6560	
5700	
5468	
6270	
5850	
6630	see review sheet
6684	
6635	
6660	TD IN DOUGLAS CREEK. 80% BON
6590	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
440	17	Not EPA Re	Not EPA	4301333601	GB II FED 3-21-8-17
798	1	Not EPA Re	Not EPA	4301333599	GB II FED 9-19-8-17
895	14	Not EPA Re	Not EPA	4301333009	GILSONITE ST G-32-8-17
947	14	Not EPA Re	Not EPA	4301333011	GILSONITE ST M-32-8-17
587	14	Not EPA Re	Not EPA	4301333012	GILSONITE ST N-32-8-17
382	14	Not EPA Re	Not EPA	4301333010	GILSONITE STATE H-32-8-17
925	14	Not EPA Re	Not EPA	4301333864	GILSONITE STATE L-32-8-17
384	14	Not EPA Re	Not EPA	4301333013	GILSONITE STATE Q-32-8-17
1270	14	Not EPA Re	Not EPA	4301334093	GILSONITE STATE R-32-8-17
1386	6	Not EPA Re	Not EPA	4301350493	GMBU B-18-9-17
1476	31	Not EPA Re	Not EPA	4301351361	GMBU B-27-8-17
1421	36	Not EPA Re	Not EPA	4304751549	GMBU B-2-9-17
1416	2	Not EPA Re	Not EPA	4301350778	GMBU B-30-8-17
1356	14	Not EPA Re	Not EPA	4301350829	GMBU B-32-8-17
1475	31	Not EPA Re	Not EPA	4301351326	GMBU C-27-8-17
1449	36	Not EPA Re	Not EPA	4304751551	GMBU C-2-9-17
1349	3	Not EPA Re	Not EPA	4301350741	GMBU C-31-8-17
1391	14	Not EPA Re	Not EPA	4301350830	GMBU C-32-8-17
1345	2	Not EPA Re	Not EPA	4301350460	GMBU D-30-8-17
1351	3	Not EPA Re	Not EPA	4301350742	GMBU D-31-8-17
1461	14	Not EPA Re	Not EPA	4301351021	GMBU D-32-8-17
1409	21	Not EPA Re	Not EPA	4301351052	GMBU D-9-9-17
1432	22	Not EPA Re	Not EPA	4301351249	GMBU E-16-9-17
1389	11	Not EPA Re	Not EPA	4301350492	GMBU E-17-9-17
1470	44	Not EPA Re	Not EPA	4304752402	GMBU F-12-9-17
1303	33	Not EPA Re	Not EPA	4301350517	GMBU F-23-8-17
1368	47	Not EPA Re	Not EPA	4304751646	GMBU F-25-8-17
1417	15	Not EPA Re	Not EPA	4301350771	GMBU F-29-8-17
1357	14	Not EPA Re	Not EPA	4301350831	GMBU F-32-8-17
1419	46	Not EPA Re	Not EPA	4304753013	GMBU F-36-8-17
1457	5	Not EPA Re	Not EPA	4301351481	GMBU F-7-9-17
1336	12	Not EPA Re	Not EPA	4301350745	GMBU F-8-9-17
1438	44	Not EPA Re	Not EPA	4304752404	GMBU G-12-9-17
1296	6	Not EPA Re	Not EPA	4301350499	GMBU G-18-9-17
1300	32	Not EPA Re	Not EPA	4301350514	GMBU G-22-8-17
1428	48	Not EPA Re	Not EPA	4304751638	GMBU G-24-8-17
1431	47	Not EPA Re	Not EPA	4304751648	GMBU G-25-8-17
1350	3	Not EPA Re	Not EPA	4301350743	GMBU G-31-8-17
1359	62	Not EPA Re	Not EPA	4304751882	GMBU G-32-8-18
1393	19	Not EPA Re	Not EPA	4301350825	GMBU G-33-8-17
1406	20	Not EPA Re	Not EPA	4301351039	GMBU G-4-9-17
1327	13	Not EPA Re	Not EPA	4301350546	GMBU G-5-9-17

[illegible]

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
21	5212	5224	112	4082	4587
19	5332	5344	390	4005	4530
32	5353	5265	60	3752	4271
32	5195	5207	70	3664	4182
32	5248	5260	190	3690	4216
32	5253	5265	0	3742	4258
32	5165	5177	66	3660	4172
32	5249	5261	0	3668	4185
32	5211	5223	23	3646	4171
18	5389	5399	0	3448	3969
27	5172	5182	202	4094	4618
2	4991	5003	60	3610	4104
30	5301	5311	0	3940	4476
32	5222	5232	0	3923	4294
27	5172	5182	662	4064	4578
2	5006	5018	28	3602	4102
31	5303	5313	30	3934	4338
32	5222	5233	0	3776	4316
30	5360	5379	32	4133	4511
31	5303	5313	24		4340
32	5210	5220	224	3753	4275
9	5249	5259	62	3532	4044
16	5321	5331	183	3398	3906
17	5389	5399	0	3422	3940
12	5022	5032	30	3405	3907
22	5096	5108	70	4526	4626
25	5037	5047	20	3938	4444
29	5301	5311	0	3940	4470
32	5251	5261	66	3736	4255
36	5017	5027	0	3776	4271
7	5474	5484	30	3639	4189
8	5282	5292	0	3463	3984
12	5060	5070	0	3490	3986
18	5467	5479	80	3538	3944
22	5177	5189	30	4160	4690
24	5055	5067	20	4114	4610
25	5062	5072	20	3980	4474
31	5315	5325	43	3766	4290
32	5017	5030	94	3882	4374
33	5136	5146	0	3721	4267
4	5162	5172	0	3552	4088
5	5239	5252	0	3589	4116

TD_KB	EPA CBL Reviewer Comments
6660	
6615	80% BOND: 4080' - 5454'.
6350	
6313	
6370	
63409	
6258	
6313	
6239	
5950	
6837	
6195	
6654	
6501	
6615	
6191	
6521	
6452	
6672	
6515	
6329	
6291	
5995	
-	
5946	
6622	
6461	
6692	
6435	
6384	
6109	
6151	
6043	
6090	
6810	
6735	
6592	
6480	
6495	
6264	
6345	
6279	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1362	5	Not EPA Re	Not EPA	4301350685	GMBU G-7-9-17
1387	6	Not EPA Re	Not EPA	4301350503	GMBU H-18-9-17
1171	32	Not EPA Re	Not EPA	4301350462	GMBU H-22-8-17
1290	32	Not EPA Re	Not EPA	4301350462	GMBU H-22-8-17
1371	47	Not EPA Re	Not EPA	4304751645	GMBU H-25-8-17
1344	2	Not EPA Re	Not EPA	4301350461	GMBU H-30-8-17
1355	3	Not EPA Re	Not EPA	4301350828	GMBU H-31-8-17
1418	62	Not EPA Re	Not EPA	4301351878	GMBU H-32-8-18
1358	19	Not EPA Re	Not EPA	4301350826	GMBU H-33-8-17
1331	35	Not EPA Re	Not EPA	4304751629	GMBU H-35-8-17
1333	13	Not EPA Re	Not EPA	4301350582	GMBU H-5-9-17
1440	5	Not EPA Re	Not EPA	4301350481	GMBU H-7-9-17
1467	21	Not EPA Re	Not EPA	4301351467	GMBU H-9-9-17
1437	27	Not EPA Re	Not EPA	4301351267	GMBU I-15-9-17
1388	6	Not EPA Re	Not EPA	4301350505	GMBU I-18-9-17
1291	32	Not EPA Re	Not EPA	4301350463	GMBU I-22-8-17
1395	33	Not EPA Re	Not EPA	4304751479	GMBU I-23-8-17
1423	2	Not EPA Re	Not EPA	4301350770	GMBU I-30-8-17
1444	14	Not EPA Re	Not EPA	4301350649	GMBU I-32-8-17
1405	62	Not EPA Re	Not EPA	4304751877	GMBU I-32-8-18
1415	19	Not EPA Re	Not EPA	4301351084	GMBU I-33-8-17
1332	35	Not EPA Re	Not EPA	4304751630	GMBU I-35-8-17
1442	5	Not EPA Re	Not EPA	4301350482	GMBU I-7-9-17
1471	21	Not EPA Re	Not EPA	4301351472	GMBU I-9-9-17
1324	6	Not EPA Re	Not EPA	4301350501	GMBU J-18-9-17
1422	36	Not EPA Re	Not EPA	4304751550	GMBU J-2-9-17
1477	37	Not EPA Re	Not EPA	4301352407	GMBU K-11-9-17
1293	11	Not EPA Re	Not EPA	4301350494	GMBU K-17-9-17
1396	33	Not EPA Re	Not EPA	4304751482	GMBU K-23-8-17
1480	36	Not EPA Re	Not EPA	4304751542	GMBU K-2-9-17
1459	12	Not EPA Re	Not EPA	4301351244	GMBU K-8-9-17
1425	28	Not EPA Re	Not EPA	4301351264	GMBU L-10-9-17
1452	22	Not EPA Re	Not EPA	4301350791	GMBU L-16-9-17
1294	11	Not EPA Re	Not EPA	4301350495	GMBU L-17-9-17
1366	6	Not EPA Re	Not EPA	4301350506	GMBU L-18-9-17
1292	32	Not EPA Re	Not EPA	4301350464	GMBU L-22-8-17
1346	2	Not EPA Re	Not EPA	4301350769	GMBU L-30-8-17
1404	62	Not EPA Re	Not EPA	4304751879	GMBU L-32-8-18
1394	19	Not EPA Re	Not EPA	4301350772	GMBU L-33-8-17
1330	35	Not EPA Re	Not EPA	4304751631	GMBU L-35-8-17
1443	5	Not EPA Re	Not EPA	4301350483	GMBU L-7-9-17
1338	12	Not EPA Re	Not EPA	4301350551	GMBU L-8-9-17

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
7	5442	5452	0	3552	4088
18	5454	5464	43	3408	3930
22	5164	5176	0	4134	4644
22	5164	5176	0	4134	4644
25	5026	5016	50	3956	4453
30	5366	5356	892	4419	4506
31	5302	5312	1	3748	4265
32	4977	4987	0	3868	4356
33	5136	5146	0	3754	4269
35	5037	5050	88	3785	4290
13	5245	5255	22	3569	4092
7	5301	5313	10	3422	3952
9	5243	5253	140	3520	4033
15	5162	5172	145	3300	3809
18	5437	5427	48	3373	3886
22	5124	5136	120	4084	4602
23	5030	5040	0	4162	4663
30	5365	5328	0	3952	4482
32	5219	5231	60	3792	4298
32	4977	4990	60	3870	4268
33	5135	5145	0	3734	4256
35	5037	5050	38	3790	4311
7	5301	5313	60	3423	3952
9	5243	5253	100	3513	4026
18	5410	5423	78	3381	3900
2	4991	5003	35	3562	4091
11	5074	5084	0	3414	3916
16	5312	5324	38	3297	3819
23	5043	5056	132	4066	4564
2	4991	5003	136	3666	4038
8	5277	5287	20	3477	4002
10	5130	5140	32	3400	3920
16	5275	5287	240	3282	3809
17	5370	5382	154	3386	3905
18	5427	5437	28	3384	3899
22	5124	5136	49	4090	4599
30	5332	5350	0	3930	4454
32	5009	5019	0	3875	4373
33	5118	5128	28	3726	4242
35	5023	5036	68	3777	4229
7	5301	5313	28	3408	3930
8	5321	5334	50	3498	4022

TD_KB	EPA CBL Reviewer Comments
6234	
5938	
6686	
6686	
6558	
6790	
6463	
6553	
6452	
6405	
6240	
6078	
6000	
5867	
5950	
6720	
6645	
6700	
6500	
6574	
6391	
6446	
6100	
6017	
6044	
6173	
5930	
5940	
6627	
6043	
6042	
5878	
5949	
6083	
6091	
6683	
6650	
6585	
6239	
6396	
6040	
6163	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1469	21	Not EPA Re	Not EPA	4301351484	GMBU L-9-9-17
1474	28	Not EPA Re	Not EPA	4301351286	GMBU M-10-9-17
1450	22	Not EPA Re	Not EPA	4301350794	GMBU M-16-9-17
1295	11	Not EPA Re	Not EPA	4301350496	GMBU M-17-9-17
1374	6	Not EPA Re	Not EPA	4301350504	GMBU M-18-9-17
1301	32	Not EPA Re	Not EPA	4301350515	GMBU M-22-8-17
1403	62	Not EPA Re	Not EPA	4304751881	GMBU M-32-8-18
1364	19	Not EPA Re	Not EPA	4301350773	GMBU M-33-8-17
1441	5	Not EPA Re	Not EPA	4301350484	GMBU M-7-9-17
1337	12	Not EPA Re	Not EPA	4301350552	GMBU M-8-9-17
1472	28	Not EPA Re	Not EPA	4301351285	GMBU N-10-9-17
1478	44	Not EPA Re	Not EPA	4301352408	GMBU N-12-9-17
614	22	Not EPA Re	Not EPA	4301350489	GMBU N-16-9-17
1420	11	Not EPA Re	Not EPA	4301350491	GMBU N-17-9-17
1297	6	Not EPA Re	Not EPA	4301350500	GMBU N-18-9-17
1302	32	Not EPA Re	Not EPA	4301350516	GMBU N-22-8-17
1373	33	Not EPA Re	Not EPA	4301350530	GMBU N-23-8-17
1429	48	Not EPA Re	Not EPA	4304751639	GMBU N-24-8-17
1397	47	Not EPA Re	Not EPA	4304751649	GMBU N-25-8-17
1347	2	Not EPA Re	Not EPA	4301350680	GMBU N-30-8-17
1398	62	Not EPA Re	Not EPA	4304751883	GMBU N-32-8-18
1414	46	Not EPA Re	Not EPA	4304751540	GMBU N-36-8-17
1407	20	Not EPA Re	Not EPA	4301351040	GMBU N-4-9-17
1335	5	Not EPA Re	Not EPA	4301350746	GMBU N-7-9-17
1317	33	Not EPA Re	Not EPA	4301350518	GMBU O-23-8-17
1363	47	Not EPA Re	Not EPA	4304751647	GMBU O-25-8-17
1392	15	Not EPA Re	Not EPA	4301350774	GMBU O-29-8-17
1413	30	Not EPA Re	Not EPA	4301351085	GMBU O-34-8-17
1377	46	Not EPA Re	Not EPA	4304751632	GMBU O-36-8-17
1455	5	Not EPA Re	Not EPA	4301351471	GMBU O-7-9-17
1451	12	Not EPA Re	Not EPA	4301350486	GMBU O-8-9-17
1289	33	Not EPA Re	Not EPA	4301350520	GMBU P-23-8-17
1412	47	Not EPA Re	Not EPA	4304751634	GMBU P-25-8-17
1343	15	Not EPA Re	Not EPA	4301350775	GMBU P-29-8-17
1382	46	Not EPA Re	Not EPA	4304751641	GMBU P-36-8-17
1400	11	Not EPA Re	Not EPA	4301350511	GMBU Q-17-9-17
1340	1	Not EPA Re	Not EPA	4301350459	GMBU Q-19-8-17
1341	32	Not EPA Re	Not EPA	4301350798	GMBU Q-22-8-17
1430	38	Not EPA Re	Not EPA	4301350531	GMBU Q-23-8-17
1367	48	Not EPA Re	Not EPA	4304751745	GMBU Q-24-8-17
1411	47	Not EPA Re	Not EPA	4304751635	GMBU Q-25-8-17
1463	15	Not EPA Re	Not EPA	4301351020	GMBU Q-29-8-17

[illegible]

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
9	5225	5235	20	3425	3944
10	5157	5167	150	3408	3930
16	5275	5287	40	3302	3829
17	5370	5382	56	3143	3525
18	5454	5464	0	3651	3942
22	5160	5172	96	4120	4636
32	5009	5022	332	3873	4357
33	5118	5128	36	3705	4210
7	5357	5370	30	3442	3973
8	5321	5334	62	3452	3968
10	5157	5167	790	3410	3929
12	5074	5084	42	3448	3954
16	5294	5306	206	3339	3874
17	5384	5397	97	3592	3840
18	5467	5479	78	3174	3575
22	5160	5172	56	4084	4592
23	5119	5109	0	4070	4582
24	5055	5067	130	4104	4593
25	5015	5025	24	3938	4448
30	5417	5427	1	4114	4492
32	5017	5030	54	3890	4333
36	5017	5030	0	3781	4274
4	5162	5172	0	3515	4034
7	5426	5436	0	3513	4034
23	5096	5108	208	4066	
25	5037	5047	30	3900	4407
29	5296	5306	23	3904	4438
34	5135	5148	0	3751	4284
36	5023	5036	64	3799	4302
7	5474	5484	1050	3526	4043
8	5308	5320	33	3444	3970
22	5162	5172	173	4066	4576
25	5042	5052	0	3875	4367
29	5296	5306	37	3861	4396
36	5014	5027	354	3752	4249
17	5433	5445	32	3358	3886
19	5369	5381	64	4156	4531
22	5167	5177	40	4166	4533
23	5109	5119	12	4054	4566
24	5026	5036	64	4006	4500
25	5042	5052	0	3889	4386
29	5210	5220	70	3772	4298

TD_KB	EPA CBL Reviewer Comments
5749	
5980	
5974	
5930	
5899	
6760	
6572	
6339	
6161	
6118	
5961	
5937	
6059	A.k.a. "Beluga Federal"
6033	
6059	
6776	
6800	
6715	
6450	
6678	
6347	
6416	
6327	
6163	
6470	
6500	
6462	
6435	
5911	
6185	
6673	
6462	
6608	
6371	
6022	
6148	
6822	
6708	
6652	
6573	
6342	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1464	20	Not EPA Re	Not EPA	4301351046	GMBU Q-4-9-17
1326	4	Not EPA Re	Not EPA	4301350480	GMBU Q-6-9-17
1399	11	Not EPA Re	Not EPA	4301350497	GMBU R-17-9-17
1375	6	Not EPA Re	Not EPA	4301350508	GMBU R-18-9-17
1378	1	Not EPA Re	Not EPA	4301350458	GMBU R-19-8-17
1462	15	Not EPA Re	Not EPA	4301351461	GMBU R-29-8-17
1402	62	Not EPA Re	Not EPA	4304751880	GMBU R-32-8-18
1380	35	Not EPA Re	Not EPA	4304751633	GMBU R-35-8-17
1483	13	Not EPA Re	Not EPA	4301350547	GMBU R-5-9-17
1379	4	Not EPA Re	Not EPA	4301350581	GMBU R-6-9-17
1334	5	Not EPA Re	Not EPA	4301350485	GMBU R-7-9-17
1436	28	Not EPA Re	Not EPA	4301351268	GMBU S-10-9-17
1453	22	Not EPA Re	Not EPA	4301350793	GMBU S-16-9-17
1328	11	Not EPA Re	Not EPA	4301350498	GMBU S-17-9-17
1339	6	Not EPA Re	Not EPA	4301350509	GMBU S-18-9-17
1288	32	Not EPA Re	Not EPA	4301350519	GMBU S-22-8-17
1384	33	Not EPA Re	Not EPA	4304751481	GMBU S-23-8-17
1348	2	Not EPA Re	Not EPA	4301350824	GMBU S-30-8-17
1401	62	Not EPA Re	Not EPA	4304751884	GMBU S-32-8-18
1381	35	Not EPA Re	Not EPA	4304751640	GMBU S-35-8-17
1408	20	Not EPA Re	Not EPA	4301351047	GMBU S-4-9-17
1447	13	Not EPA Re	Not EPA	4301350548	GMBU S-5-9-17
1361	5	Not EPA Re	Not EPA	4301350585	GMBU S-7-9-17
1468	21	Not EPA Re	Not EPA	4301351476	GMBU S-9-9-17
1298	6	Not EPA Re	Not EPA	4301350512	GMBU T-18-9-17
1481	36	Not EPA Re	Not EPA	4304751543	GMBU T-2-9-17
1460	13	Not EPA Re	Not EPA	4301351480	GMBU T-5-9-17
1433	28	Not EPA Re	Not EPA	4301351269	GMBU U-10-9-17
1410	1	Not EPA Re	Not EPA	4301350823	GMBU U-19-8-17
1482	36	Not EPA Re	Not EPA	4304751544	GMBU U-2-9-17
1383	29	Not EPA Re	Not EPA	4301351019	GMBU U-29-8-17
1385	4	Not EPA Re	Not EPA	4301350747	GMBU U-6-9-17
1424	28	Not EPA Re	Not EPA	4301351266	GMBU V-10-9-17
1435	36	Not EPA Re	Not EPA	4304752403	GMBU V-2-9-17
1354	3	Not EPA Re	Not EPA	4301350748	GMBU V-31-8-17
1360	4	Not EPA Re	Not EPA	4301350684	GMBU V-6-9-17
1466	21	Not EPA Re	Not EPA	4301351251	GMBU V-9-9-17
1365	28	Not EPA Re	Not EPA	4301351265	GMBU W-10-9-17
1323	28	Not EPA Re	Not EPA	4301351265	GMBU W-10-9-17
1427	48	Not EPA Re	Not EPA	4304751642	GMBU W-24-8-17
1353	3	Not EPA Re	Not EPA	4301350584	GMBU W-31-8-17
1299	6	Not EPA Re	Not EPA	4301350513	GMBU W-7-9-17

[illegible]

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
4	5225	5235	1470	3542	4101
6	5367	5377	28	3574	4106
32	5382	5395	38	3282	3796
18	5487	5497	98	3343	3868
19	5439	5452	0	4016	4540
29	5210	5220	142	3820	4352
32	4913	4926	34	3675	4174
35	5032	5045	26	3732	4234
5	5252	5262	44	3515	4021
6	5306	5316	262	3510	4032
7	5357	5370	80	3377	3893
10	5130	5140	52	3448	3882
17	5382	5395	95	3275	3793
18	5487	5497	0	3335	3857
22	5161	5173	80	4069	4586
23	5043	5053	152	4046	4548
30	5283	5296	0	3834	4369
32	4913	4923	0	3716	4214
35	5014	5027	52	3736	4242
4	5172	5182	0	3446	4070
5	5252	5264	90	3523	4033
7	5385	5395	20	3407	3921
9	5222	5232	50	3366	3883
17	5433	5445	47	3314	3814
2	5062	5074	50	3654	4040
5	5225	5235	552	3508	4030
10	5141	5151	0	3313	3816
19	5286	5299	0	3966	4504
2	5062	5074	60	3608	3988
29	3755	5168	1	3755	4275
6	5264	5274	1	3457	3986
10	5162	5172	590	3314	3832
2	5022	5032	58	3483	3999
31	5294	5304	36	3635	4158
6	5282	5292	0	3472	4010
9	5241	5251	12	3360	3892
10	5200	5210	40	3350	3878
10	5200	5210	38	3350	3877
24	5062	5072	1	4075	4568
31	5304	5314	238	3620	4158
18	5319	5331	53	3608	4018

TD_KB	EPA CBL Reviewer Comments
6175	
6241	
5945	
5900	
6660	
6300	
6410	
-	
6180	
6095	
6033	
5957	
5915	
6010	
6715	
6616	
6585	
6434	
6380	
6276	
6209	
6065	
5905	
5980	
6150	
6116	
5885	
6556	
6050	
6310	
6029	
5883	
6085	
6308	
6166	
5463	
6069	
5916	
6700	
6299	
6254	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1322	28	Not EPA Re	Not EPA	4301351263	GMBU X-10-9-17
1426	37	Not EPA Re	Not EPA	4301351270	GMBU X-11-9-17
1434	45	Not EPA Re	Not EPA	4304752405	GMBU X-1-9-17
1439	48	Not EPA Re	Not EPA	4304751643	GMBU X-24-8-17
1370	18	Not EPA Re	Not EPA	4301351018	GMBU X-28-8-17
1352	3	Not EPA Re	Not EPA	4301350587	GMBU X-31-8-17
1390	13	Not EPA Re	Not EPA	4301350549	GMBU X-5-9-17
1465	21	Not EPA Re	Not EPA	4301351247	GMBU X-9-9-17
1473	28	Not EPA Re	Not EPA	4301351253	GMBU Y-10-9-17
1329	48	Not EPA Re	Not EPA	4304751644	GMBU Y-24-8-17
1456	35	Not EPA Re	Not EPA	4301350821	GMBU Y-35-8-17
1376	4	Not EPA Re	Not EPA	4301350749	GMBU Y-6-9-17
757	10	Not EPA Re	Not EPA	4301330563	GOVERNMENT FOWLER 20-1
1198	3	Not EPA Re	Not EPA	4301350209	GREAT MON BUTTE B-1-9-16
954	34	Not EPA Re	Not EPA	4304734309	GREATER BOUNDARY 10-26-8-
385	31	Not EPA Re	Not EPA	4301332235	GREATER BOUNDARY 10-27-8-
753	34	Not EPA Re	Not EPA	4301332306	GREATER BOUNDARY 12-26-8-
682	31	Not EPA Re	Not EPA	4301332226	GREATER BOUNDARY 12-27-8-
949	31	Not EPA Re	Not EPA	4301332245	GREATER BOUNDARY 14-27-8-
852	31	Not EPA Re	Not EPA	4301332247	GREATER BOUNDARY 16-27-8-
689	31	Not EPA Re	Not EPA	4301332230	GREATER BOUNDARY 4-27-8-1
467	30	Not EPA Re	Not EPA	4301332254	GREATER BOUNDARY 4-34-8-1
936	34	Not EPA Re	Not EPA	4304734165	GREATER BOUNDARY 6-26-8-1
841	31	Not EPA Re	Not EPA	4301332231	GREATER BOUNDARY 6-27-8-1
371	16	Not EPA Re	Not EPA	4301333135	GREATER BOUNDARY FED 16-
891	29	Not EPA Re	Not EPA	4301334084	GREATER BOUNDARY FED B-3-
502	15	Not EPA Re	Not EPA	4301332520	GREATER BOUNDARY FEDERA
1000	30	Not EPA Re	Not EPA	4301332631	GREATER BOUNDARY FEDERA
929	1	Not EPA Re	Not EPA	4301333733	GREATER BOUNDARY II 10-19-
914	1	Not EPA Re	Not EPA	4301333737	GREATER BOUNDARY II 1-19-8
853	1	Not EPA Re	Not EPA	4301333731	GREATER BOUNDARY II 16-19-
827	1	Not EPA Re	Not EPA	4301333736	GREATER BOUNDARY II 2-19-8
746	1	Not EPA Re	Not EPA	4301333735	GREATER BOUNDARY II 7-19-8
528	1	Not EPA Re	Not EPA	4301333734	GREATER BOUNDARY II 8-19-8
387	34	Not EPA Re	Not EPA	4301333900	GREATER BOUNDARY II F-26-8
966	31	Not EPA Re	Not EPA	4301334092	GREATER BOUNDARY II F-27-8
986	17	Not EPA Re	Not EPA	4301333602	GREATER BOUNDARY II FED 4-
926	18	Not EPA Re	Not EPA	4301350176	GREATER BOUNDARY II FED D-
699	18	Not EPA Re	Not EPA	4301350177	GREATER BOUNDARY II FED G-
927	30	Not EPA Re	Not EPA	4301333874	GREATER BOUNDARY II FED H-
773	29	Not EPA Re	Not EPA	4301334085	GREATER BOUNDARY II FED i-
1030	29	Not EPA Re	Not EPA	4301334127	GREATER BOUNDARY II FED L-

[illegible]

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
10	5200	5210	30	3324	3838
11	5141	5151	1	3437	3878
1	5060	5070	49	3513	4014
24	5062	5072	0	4036	4534
28	5158	5168	0	3904	4271
31	5304	5314	20	3623	4143
5	5264	5274	1	3504	4038
9	5288	5301	36	3368	3881
10	5241	5251	42	3388	3916
24	5017	5027	0	3955	4460
35	5095	5108	1	3686	4207
6	5433	5443	36	3632	4069
20	5434	5447	3370	3198	3689
36	5355	5367	30	3685	4216
26	5052	5064	700	3816	4316
27	5125	5134	0	3854	4359
26	5080	5092	330	3812	4348
27	5167	5177	260	3838	4352
27	5064	5074	70	3728	4237
27	5039	5049	50	3751	4248
27	5186	5196	270	3932	4442
34	5014	5116	120	3706	4215
26	5045	5057	680	3837	4334
27	5167	5177	482	3884	4404
20	5258	5270	0	3940	4448
3	5095	5107	58	3792	4070
29	5281	5293	140	3942	4460
34	5167	5179	870	3774	4204
19	5346	5358	67	3990	4508
19	5326	5338	63	4122	4650
19	5346	5358	50	3955	4483
19	5337	5349	46	4104	4633
19	5326	5338	324	4024	4550
19	5321	5333	154	4016	4540
26	5091	5103	0	3952	4461
27	5183	5195	76	3907	4439
21	5225	5237	82	4100	4610
28	5220	5232	66	3974	4501
28	5220	5232	28	3938	4457
34	5085	5097	66	3789	4312
3	5100	5112	36	3730	4132
3	5091	5103	98	3689	4132

TD_KB	EPA CBL Reviewer Comments
5950	
6056	
6065	
6699	
6320	
6307	
6000	
5912	
5913	
6610	
9195	
6212	
5955	Well is in Section 20 (not Section
6365	
6330	
6397	
6258	
6302	
6265	
6272	
6287	
6288	
6286	
6218	
6590	Corrected 1/4 1/4 location on sch
7230	
6506	"Federal" not always used in well
6225	
6630	80% BOND: 4126' - 5974'.
6725	80% bond: 4016' - 4780'
6525	80% BOND: 4505' - 4886'; 3780' -
6690	see review sheet
6640	80% BOND: 4104' - 4256', 4296' -
6620	80% BOND: 4060' - 5496'.
6582	A.k.a. Greater Boundary F-26-8-1
6540	
6660	
6635	A.k.a.: "Greater Boundary D-28-8
6575	A.k.a.: "Greater Boundary G-28-8
6387	
6225	
6190	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
854	30	Not EPA Re	Not EPA	4301333875	GREATER BOUNDARY II FED M
774	17	Not EPA Re	Not EPA	4301350175	GREATER BOUNDARY II FED Q-
1009	31	Not EPA Re	Not EPA	4301334009	GREATER BOUNDARY II FED Q-
400	17	Not EPA Re	Not EPA	4301350126	GREATER BOUNDARY II FED R-
810	17	Not EPA Re	Not EPA	4301350128	GREATER BOUNDARY II FED S-
1010	18	Not EPA Re	Not EPA	4301333976	GREATER BOUNDARY II FED S-
792	19	Not EPA Re	Not EPA	4301333939	GREATER BOUNDARY II FED V-
434	29	Not EPA Re	Not EPA	4301334128	GREATER BOUNDARY II FEDER
997	15	Not EPA Re	Not EPA	4301334070	GREATER BOUNDARY II FEDER
897	29	Not EPA Re	Not EPA	4301334129	GREATER BOUNDARY II FEDER
672	18	Not EPA Re	Not EPA	4301334150	GREATER BOUNDARY II FEDER
842	15	Not EPA Re	Not EPA	4301334069	GREATER BOUNDARY II FEDER
828	15	Not EPA Re	Not EPA	4301333816	GREATER BOUNDARY II G-29-8
388	30	Not EPA Re	Not EPA	4301333814	GREATER BOUNDARY II I-27-8-
1011	18	Not EPA Re	Not EPA	4301333815	GREATER BOUNDARY II K-28-8
742	18	Not EPA Re	Not EPA	4301334096	GREATER BOUNDARY II L-28-8
880	18	Not EPA Re	Not EPA	4301334029	GREATER BOUNDARY II M-28-
811	18	Not EPA Re	Not EPA	4301334095	GREATER BOUNDARY II T-28-8
389	15	Not EPA Re	Not EPA	4301334151	GREATER BOUNDARY J-29-8-1
840	30	Not EPA Re	Not EPA	4301333876	GREATER BOUNDARY N-34-8-
898	30	Not EPA Re	Not EPA	4301334030	GREATER BOUNDARY Q-34-8-
816	30	Not EPA Re	Not EPA	4301334039	GREATER BOUNDARY R-34-8-1
1031	30	Not EPA Re	Not EPA	4301334038	GREATER BOUNDARY S-34-8-1
743	16	Not EPA Re	Not EPA	4301332785	GREATER BOUNDARY UIT 14-2
1204	2	Not EPA Re	Not EPA	4301350235	GREATER MON BUTTE J-25-8-
909	1	Not EPA Re	Not EPA	4301350231	GREATER MONUMENT BUTTE
744	2	Not EPA Re	Not EPA	4301350241	GREATER MONUMENT BUTTE
1247	3	Not EPA Re	Not EPA	4301350211	GREATER MONUMENT BUTTE
1274	88	Not EPA Re	Not EPA	4304731350	GULF STATE 36-11
561	88	Not EPA Re	Not EPA	4304731345	GULF STATE 36-13
574	88	Not EPA Re	Not EPA	4304731892	GULF STATE 36-22
1235	48	Not EPA Re	Not EPA	4304750817	HANCOCK 1-26-4-1
1191	33	Not EPA Re	Not EPA	4304738365	HANCOCK 1-27-4-1
1178	17	Not EPA Re	Not EPA	4301333244	HANCOCK 13-21-4-1
1218	33	Not EPA Re	Not EPA	4304738601	HANCOCK 13-23-4-1
1228	32	Not EPA Re	Not EPA	4301333243	HANCOCK 15-21-4-1
1203	17	Not EPA Re	Not EPA	4301333914	HANCOCK 16-20-4-1
1233	32	Not EPA Re	Not EPA	4301350071	HANCOCK 16-21-4-1
1236	48	Not EPA Re	Not EPA	4304740617	Hancock 2-26-4-1
1183	33	Not EPA Re	Not EPA	4304738613	HANCOCK 3-26-4-1
818	34	Not EPA Re	Not EPA	4304734161	HUMPBAC 8-26-8-17
855	33	Not EPA Re	Not EPA	4304739974	HUMPBAC FED J-23-8-17

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
34	5117	5129	50	3782	4302
21	5250	5262	36	4066	4582
27	5066	5078	90	3773	4302
21	5225	5237	10	4068	4587
21	5209	5221	42	4094	4619
28	5136	5148	90	3804	4337
28	5113	5125	38	3750	4268
3	5123	5135	110	3648	4058
29	5301	5313	86	3904	4420
3	5113	5125	60	3652	4064
28	5207	5219	256	3894	4390
29	5185	5197	488	3810	4326
29	5287	5299	46	3927	4450
27	5088	5100	0	3918	4438
26	5197	5209	90	3900	4455
28	5196	5208	320	3902	4418
28	5207	5219	56	3916	4438
28	5191	5203	42	3855	4408
29	5257	5269	0	3954	4476
34	5169	5181	48	3758	4290
34	5092	5104	60	3842	4226
34	5073	5085	44	3662	4172
34	5059	5071	98	3684	4192
20	5291	5303	320	4089	4451
25	5430	5442	350	3970	4505
19	5374	5386	618	4021	4551
30	5318	5330	320	3844	4369
36	5334	5346	224	3668	4192
36	4837	4851	2520	3817	4278
36	4831	4846	1720	3730	4192
36	4923	4937	1800	3858	4324
26	5043	5055	70	4270	4604
27	5094	5106	24	4152	4640
21	5170	5182	118	4157	4660
23	5088	5100	48	4205	4692
21	5143	5154	60	4184	4672
20	5192	5204	350	4169	4681
21	5148	5160	66	4190	4688
26	5067	5079	80	4154	4634
26	5076	5088	164	4216	4656
26	5033	5045	440	3826	4346
23	5008	5020	50	4070	4560

TD_KB	EPA CBL Reviewer Comments
6433	
6700	
6400	
6720	
6774	
6418	A.k.a.: "Greater Boundary II S-28
6345	
6155	
6505	"Federal" not always used in well
6160	Log not in UT database
6730	
6400	Well name does not always inclu
6601	A.k.a. GB II Federal G-29-8-17.
6462	
6575	A.k.a.: "Greater Boundary II Fede
6466	A.k.a. : "Greater Boundary II Fede
6488	A.k.a.: "Greater Boundary II Fede
6455	A.k.a.: "Greater Boundary II Fede
6635	
6403	
6276	
6242	
6261	
6500	
6686	
6730	
6373	At surface, well is located in Sec.
6380	
6200	Perfs in "B" shale
6200	
6140	Shut-in oil well
6680	
6735	
6760	
6800	13-23-4-1W
6700	
6915	
6700	
6650	
6750	
6408	
6709	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
829	47	Not EPA Re	Not EPA	4304740019	HUMPBAC FED L-25-8-17
934	47	Not EPA Re	Not EPA	4304739973	HUMPBAC FED R-25-8-17
819	33	Not EPA Re	Not EPA	4304739970	HUMPBAC FED T-23-8-17
886	48	Not EPA Re	Not EPA	4304734879	HUMPBAC FEDERAL 16-24-8-
715	48	Not EPA Re	Not EPA	4304734885	HUMPBAC FEDERAL 8-24
635	48	Not EPA Re	Not EPA	4304750812	HUMPBAC FEDERAL S-24-8-1
533	47	Not EPA Re	Not EPA	4304740018	HUMPBAC FEDERAL S-25-8-1
1047	5	Not EPA Re	Not EPA	4301332431	JONAH FED 16-12-9-16
1216	4	Not EPA Re	Not EPA	4301333571	JONAH FED J-1-9-16
1224	5	Not EPA Re	Not EPA	4301334010	JONAH FED S-12-9-16
401	4	Not EPA Re	Not EPA	4301333926	JONAH FED S-6-9-17
1249	4	Not EPA Re	Not EPA	4301334119	JONAH FED T-1-9-16
716	5	Not EPA Re	Not EPA	4301334120	JONAH FED X-6-9-17
717	5	Not EPA Re	Not EPA	4301334155	JONAH FEDERAL C-7-9-17
759	4	Not EPA Re	Not EPA	4301333493	JONAH FEDERAL G-6-9-17
1217	4	Not EPA Re	Not EPA	4301333571	JONAH FEDERAL J-1-9-16
938	4	Not EPA Re	Not EPA	4301333497	JONAH FEDERAL K-6-9-17
821	4	Not EPA Re	Not EPA	4301333498	JONAH FEDERAL L-6-9-17
390	13	Not EPA Re	Not EPA	4301333922	JONAH FEDERAL Q-5-9-17
793	4	Not EPA Re	Not EPA	4301333925	JONAH FEDERAL T-6-9-17
830	4	Not EPA Re	Not EPA	4301333495	JONAH I-6-9-17
796	4	Not EPA Re	Not EPA	4301333496	JONAH J-6-9-17
372	4	Not EPA Re	Not EPA	4301333499	JONAH M-6-9-17
764	4	Not EPA Re	Not EPA	4301333500	JONAH N-6-9-17
499	13	Not EPA Re	Not EPA	4301333923	JONAH UNIT N-5-9-17
1207	16	Not EPA Re	Not EPA	4301334257	LAMB 16-19-4-1
1184	77	Not EPA Re	Not EPA	4304740272	LAMB 4-34-4-1E
1311	77	Not EPA Re	Not EPA	4304740271	LAMB 6-34-4-1E
858	22	Not EPA Re	Not EPA	4301332150	LONE TREE 16-16-9-17
1023	26	Not EPA Re	Not EPA	4301333309	LONE TREE FED 12-22-9-17
964	23	Not EPA Re	Not EPA	4301334161	LONE TREE FED 14-21-9-17
488	26	Not EPA Re	Not EPA	4301333311	LONE TREE FED 14-22-9-17
441	23	Not EPA Re	Not EPA	4301334163	LONE TREE FED 15-21-9-17
62	26	Not EPA Re	Not EPA	4301333312	LONE TREE FED 15-22-9-17
749	23	Not EPA Re	Not EPA	4301333281	LONE TREE FED 2-21-9-17
729	23	Not EPA Re	Not EPA	4301333289	LONE TREE FED 6-21-9-17
653	23	Not EPA Re	Not EPA	4301333287	LONE TREE FED 8-21-9-17
1002	26	Not EPA Re	Not EPA	4301333305	LONE TREE FED 8-22-9-17
618	23	Not EPA Re	Not EPA	4301334160	LONE TREE FED A-21-9-17
597	26	Not EPA Re	Not EPA	4301333934	LONE TREE FED C-22-9-17
626	26	Not EPA Re	Not EPA	4301334158	LONE TREE FED H-22-9-17
613	27	Not EPA Re	Not EPA	4301334157	LONE TREE FED R-15-9-17

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
25	5024	5036	46	3964	4453
25	5019	5031	68	3914	4408
23	5067	5079	440	45034	4530
24	4989	5001	574	3970	4418
24	4984	4996	30	4056	4508
24	5003	5015	230	4088	4547
25	5004	5016	16	3814	4410
12	5423	5435	432	3342	3854
1	5351	5363	47	3607	4126
12	5426	5438	54	3391	3925
6	5342	5354	10	3650	4070
1	5406	5418	42	3577	4098
7	5323	5335	30	3514	4067
7	5323	5335	30	3471	4004
6	5324	5336	34	3680	4082
1	5351	5363	47	4607	4126
5	5223	5235	69	3633	4048
6	5263	5275	45	3632	4052
5	5245	5257	0	3581	4019
6	5260	5272	38	3654	4050
6	5270	5282	46	3707	4117
6	5303	5315	39	3746	4151
6	5359	5371	0	3721	4140
6	5373	5385	340	3702	4122
5	5237	5249	14	3645	4086
19	5228	5240	38	3934	4340
34	4936	4948	1862	3954	4447
34	4944	4956	77	3940	4430
16	5299	5311	500	3190	3686
22	5282	5294	937	3029	3525
21	5330	5342	75	3058	3592
22	5290	5302	1320	3012	3502
21	5313	5325	112	3046	3481
22	5277	5289	128	3024	3506
21	5291	5303	327	3191	3624
21	5319	5331	31	3152	3588
21	5282	5294	244	3133	3570
22	5235	5247	883	3086	3582
21	5252	5264	210	3220	3668
22	5222	5234	196	3180	3702
22	5251	5263	220	3127	3640
15	5242	5254	206	3259	3748

TD_KB	EPA CBL Reviewer Comments
6500	
6488	
6685	
6375	
6515	
6631	
6505	
5780	See well review sheet.
6247	
6077	CBL from State file
6233	
6155	
6250	
6125	
6251	
6247	
6165	
6177	
6165	
6130	
6235	
6291	
6116	
6235	Radial Analysis CBL
6210	TOC 14' from log heading (driller)
6715	
6350	
6320	
5685	
5600	
5465	
5500	
5455	
5500	
5700	
5650	
5625	
5615	
5735	Utah data locates in Sec. 22. Ne
5795	
5725	
5835	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
497	26	Not EPA Re	Not EPA	4301333307	LONE TREE FEDERAL 10-22-9-1
607	23	Not EPA Re	Not EPA	4301333282	LONE TREE FEDERAL 16-21-9-1
862	23	Not EPA Re	Not EPA	4301333291	LONE TREE FEDERAL 4-21-9-17
423	26	Not EPA Re	Not EPA	4301333303	LONE TREE FEDERAL 6-22-9-17
609	26	Not EPA Re	Not EPA	4301334159	LONE TREE FEDERAL G-22-9-1
435	27	Not EPA Re	Not EPA	4301333933	LONE TREE FEDERAL N-15-9-1
647	27	Not EPA Re	Not EPA	4301334145	LONE TREE FEDERAL P-15-9-17
727	27	Not EPA Re	Not EPA	4301333885	LONE TREE FEDERAL Q-15-9-1
693	27	Not EPA Re	Not EPA	4301333932	LONE TREE FEDERAL X-15-9-17
1167	16	Not EPA Re	Not EPA	4301334062	MALNAR 13-20-4-1
1197	1	Not EPA Re	Not EPA	4301334094	MB NE FED B-25-8-16
1214	2	Not EPA Re	Not EPA	4301333760	MB NE FED I-25-8-16
1215	1	Not EPA Re	Not EPA	4301333958	MB NE FED S-24-8-16
1196	3	Not EPA Re	Not EPA	4301333018	MON BUTTE E ST I-36-8-16
1187	3	Not EPA Re	Not EPA	4301333016	MON BUTTE E ST L-36-8-16
1174	3	Not EPA Re	Not EPA	4301333017	MON BUTTE E ST S-36-8-16
1223	3	Not EPA Re	Not EPA	4301350107	MON BUTTE EAST B-36-8-16
1175	2	Not EPA Re	Not EPA	4301333252	MON BUTTE NE FED S-25-8-16
1043	3	Not EPA Re	Not EPA	4301331599	MON BUTTE ST 1A-36
562	37	Not EPA Re	Not EPA	4301331593	MON FED 11-11-9-17Y
510	32	Not EPA Re	Not EPA	4301331583	MON FED 13-22-8-17Y
978	4	Not EPA Re	Not EPA	4301350280	MONUMENT BUTTE EAST A-1-
1237	3	Not EPA Re	Not EPA	4301350105	MONUMENT BUTTE EAST A-3
1166	3	Not EPA Re	Not EPA	4301350106	MONUMENT BUTTE EAST STA
1248	3	Not EPA Re	Not EPA	4301350112	MONUMENT BUTTE EAST STA
1042	3	Not EPA Re	Not EPA	4301331598	MONUMENT BUTTE ST 8-36
615	32	Not EPA Re	Not EPA	4301331587	MONUMENT FEDERAL 31-22-8
1250	92	Not EPA Re	Not EPA	4304731200	NGC 33-18J
643	62	Not EPA Re	Not EPA	4304731116	NGC ST 33-32
702	65	Not EPA Re	Not EPA	4304740168	NORTH PARIETTE 2-28-8-18
21	46	Not EPA Re	Not EPA	4304733200	ODEKIRK SPRING 16-36-8-17
155	46	Not EPA Re	Not EPA	4304732764	ODEKIRK SPRING 4-36-8-17
507	46	Not EPA Re	Not EPA	4304733196	ODEKIRK SPRING 8-36-8-17
973	46	Not EPA Re	Not EPA	4304738318	ODEKIRK SPRING M-36-8-17
659	46	Not EPA Re	Not EPA	4304738317	ODEKIRK SPRING STATE G-36-
1239	77	Not EPA Re	Not EPA	4304740367	OSMOND-MEYER 1-33-4-1E
1181	65	Not EPA Re	Not EPA	4304739198	OSMOND-MEYER 14-28-4-1E
1182	77	Not EPA Re	Not EPA	4304740344	OSMOND-MEYER 2-33-4-1E
1222	65	Not EPA Re	Not EPA	4304740257	OSMOND-MYER 13-28-4-1E
1090	94	Not EPA Re	Not EPA	4304731114	PARIETTE BENCH 12-8-9-19
1092	93	Not EPA Re	Not EPA	4304731237	PARIETTE BENCH 32-17
859	95	Not EPA Re	Not EPA	4304731123	PARIETTE BENCH FED 14-5

[illegible]

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Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
22	5263	5275	139	3050	3545
21	5307	5319	203	3058	3492
21	5340	5352	52	3210	3642
22	5253	5265	1054	3067	3566
22	5263	5275	204	3142	3657
15	5262	5274	110	3380	3774
15	5285	5297	240	3350	3748
15	5225	5237	302	3374	3766
15	5225	5237	274	3334	3727
20	5231	5243	0	4177	4695
24	5399	5411	30	3944	4529
25	5430	5442	44	3982	4488
24	5407	5419	46	4056	4589
36	5357	5369	30	3782	4190
36	5357	5369	200	3764	4286
36	5385	5397	100	3754	4267
36	5351	5363	538	3824	4330
25	5360	5372	100	3830	4358
36	5332	5345	0	3712	4229
11	5077	089	1730	3401	3900
22	5190	5200	1445	4008	4514
1	5334	5346	80	3730	4270
36	5337	5349	844	3810	4340
36	5337	5349	0	3758	4280
36	5392	5404	20	3596	3996
36	5363	5376	0	3828	4219
22	5160	5170	2075	4106	4606
18	4777	4791	2152	3240	3646
32	4930	4944	2362	3690	4178
28	4935	4847	280	3910	4386
36	4981	4991	0	3668	4140
36	5072	5082	2100	3802	4318
36	4990	5000	1430	3749	4224
36	4966	4978	78	3900	4230
36	5068	5080	25	3876	4368
33	4918	4930	900	3950	4426
28	4800	4812	146	3903	4376
33	4847	4859	160	3857	4337
28	4863	4875	51	3912	4383
8	4717	4731	1204	3396	3732
17	4723		1762	3218	3655
5	4711	4725	500	3461	3902

TD_KB	EPA CBL Reviewer Comments
5600	
5497	
5650	
5575	
5725	Well name does not always inclu
5564	
5878	
5781	
5720	
6750	
6700	
6665	Name does not always include "F
6736	
6388	
6335	
6288	
6465	
6527	
6200	
5700	
6400	Well name sometimes has "Y" aft
6488	A.k.a. "Greater Monument Butte"
6448	see review sheet
6391	see review sheet
6446	
6203	
6350	
5860	
7000	
6390	Newfield and State list well as Fe
5965	
6000	CBL: Monument State 11-36-8-1
5901	
6332	
6429	W/in 1-4 mile of deep well
6275	
6400	
6275	
6300	
5720	
5511	
58765	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
542	90	Not EPA Re	Not EPA	4304731554	PARIETTE BENCH FED 32-6
577	91	Not EPA Re	Not EPA	4304731584	PARIETTE BENCH FED 41-7
671	33	Not EPA Re	Not EPA	4304732676	PARIETTE DRAW FED 8-23-8-1
555	76	Not EPA Re	Not EPA	4304740244	PARIETTE FED K-34-8-18
719	76	Not EPA Re	Not EPA	4304740163	PARIETTE FED R-34-8-18
391	76	Not EPA Re	Not EPA	4304740245	PARIETTE FED T-34-8-18
582	76	Not EPA Re	Not EPA	4304740246	PARIETTE FEDERAL S-34-8-18
675	12	Not EPA Re	Not EPA	4301333712	PLEASANT VALLEY B-8-9-17
861	21	Not EPA Re	Not EPA	4301333246	PLEASANT VALLEY FED F-9-9-1
831	21	Not EPA Re	Not EPA	4301333896	PLEASANT VALLEY FED M-9-9-
640	21	Not EPA Re	Not EPA	4301333895	PLEASANT VALLEY FED R-9-9-1
935	20	Not EPA Re	Not EPA	4301333809	PLEASANT VALLEY FED Y-4-9-1
720	12	Not EPA Re	Not EPA	4301333883	PLEASANT VALLEY G-8-9-17
450	21	Not EPA Re	Not EPA	4301333247	PLEASANT VALLEY G-9-9-17
930	12	Not EPA Re	Not EPA	4301333754	PLEASANT VALLEY H-8-9-17
676	12	Not EPA Re	Not EPA	4301333755	PLEASANT VALLEY i-8-9-17
1285	21	Not EPA Re	Not EPA	4301333248	PLEASANT VALLEY N-9-9-17
817	21	Not EPA Re	Not EPA	4301333813	PLEASANT VALLEY Q-9-9-17
779	17	Not EPA Re	Not EPA	4301333597	ROBERTS 2-21-8-17
485	42	Not EPA Re	Not EPA	4304739259	S PLEASANT VALLEY 4-24-9-17
392	10	Not EPA Re	Not EPA	4301331737	S PLEASANT VALLEY FED 2-20
899	3	Not EPA Re	Not EPA	4301334032	SAND WASH FED N-31-8-17
856	3	Not EPA Re	Not EPA	4301350183	SAND WASH FED S-31-8-17
892	3	Not EPA Re	Not EPA	4301334033	SAND WASH FEDERAL R-31-8-
780	1	Not EPA Re	Not EPA	4301332375	SAND WASH FEDERAL 12-19-8
624	2	Not EPA Re	Not EPA	4301333817	SAND WASH FEDERAL G-30-8-
633	3	Not EPA Re	Not EPA	4301333819	SAND WASH FEDERAL Q-31-8-
721	2	Not EPA Re	Not EPA	4301350194	SAND WASH K-25-8-16
394	3	Not EPA Re	Not EPA	4301333761	SAND WASH L-31-8-17
1012	1	Not EPA Re	Not EPA	4301350282	SANDWASH A-25-8-16
760	3	Not EPA Re	Not EPA	4301334031	SANDWASH FED M-31-8-17
812	3	Not EPA Re	Not EPA	4301333818	SANDWASH FEDERAL i-31-8-1
754	80	Not EPA Re	Not EPA	4304735784	STATE 10-2-9-18
832	80	Not EPA Re	Not EPA	4304735783	STATE 12-2-9-18
436	80	Not EPA Re	Not EPA	4304735773	STATE 1-2-9-18
589	80	Not EPA Re	Not EPA	4304735782	STATE 13-2-9-18
648	80	Not EPA Re	Not EPA	4304735781	STATE 14-2-9-18
687	80	Not EPA Re	Not EPA	4304735780	STATE 15-2-9-18
468	80	Not EPA Re	Not EPA	4304735774	STATE 2-2-9-18
41	69	Not EPA Re	Not EPA	4304735813	STATE 3-16-9-18
442	80	Not EPA Re	Not EPA	4304735775	STATE 3-2-9-18
873	80	Not EPA Re	Not EPA	4304735776	STATE 4-2-9-18

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	190E
CBL	Yes	Yes	Yes	090S	190E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
6	4826	4838	1600	3618	4081
7	4712	4724	1830	3407	3848
23	5021	5034	2550	4012	4500
34	4836	4848	170	3742	4216
34	4861	4873	30	3752	4225
34	4843	4855	0	3741	4221
34	4858	4870	185	3726	4311
8	5277	5289	26	3500	4016
9	5270	5282	51	3484	3994
9	5250	5262	46	3440	3950
9	5251	5263	234	3384	3897
4	5249	5261	68	3510	4022
8	5306	5318	30	3540	3982
9	5233	5245	115	3484	3998
8	5296	5308	67	3508	3938
8	5296	5308	26	3512	4024
9	5250	5262	102	3422	3930
9	5277	5289	44	3389	3890
21	5206	5218	360	4125	4630
24	5172	5184	130	3244	3616
20	5403	5416	0	3190	3682
31	5349	5361	60	3751	4280
31	5313	5325	50	3720	4241
31	5332	5344	58	3682	4194
19	5373	5385	360	3984	4507
30	5066	5078	22	3948	4476
31	5364	5376	23	3754	4271
30	5318	5330	30	3889	4432
31	5313	5325	0	3732	4249
19	5384	5396	90	4028	4560
31	5316	5328	34	3748	4273
31	5264	5276	42	3734	4251
2	4858	4870	330	3595	4056
2	4857	4869	46	3583	4048
2	4822	4834	1100	3663	4122
2	4834	4846	190	3508	3971
2	4851	4863	240	3533	3992
2	4825	4837	269	3510	3973
2	4838	4850	120	3654	4116
16	5031	5043	112	3563	3870
2	4857	4869	1120	3650	4122
2	4839	4851	550	3630	4094

TD_KB	EPA CBL Reviewer Comments
6030	No CBL log: State or Newfield. A
5900	
6350	
6155	
6250	
6190	
6150	
6178	See well review sheet.
6130	
5988	See special requirements.
5953	See special requirements.
6130	
6150	See well review sheet.
6120	See special requirements.
6060	See well review sheet.
6154	See well review sheet.
6068	
5980	No hard copy of CBL. Electronic fi
6650	
5458	
5840	
6410	
6330	
6280	
6600	80% BOND: 3984' - 4588'.
6650	
6410	
6630	A.k.a. "Monument Butte NE Fede
6264	
6792	A.k.a. " Greater Monument Butte
6355	
6353	
6000	
5930	
6002	
5830	
6340	
5955	
6033	
5664	
6070	
6065	

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
772	80	Not EPA Re	Not EPA	4304735777	STATE 5-2-9-18
690	89	Not EPA Re	Not EPA	4304735778	STATE 6-2-9-18
420	80	Not EPA Re	Not EPA	4304735787	STATE 7-2-9-18
606	80	Not EPA Re	Not EPA	4304735786	STATE 8-2-9-18
874	80	Not EPA Re	Not EPA	4304735785	STATE 9-2-9-18
1071	93	Not EPA Re	Not EPA	4304731128	STATE NGC 13-16
414	51	Not EPA Re	Not EPA	4304740079	SUNDANCE FED 16A-31-8-18
448	52	Not EPA Re	Not EPA	4304738194	SUNDANCE FED 4-6-9-18
988	61	Not EPA Re	Not EPA	4304737390	SUNDANCE FED 8-5-9-18
1286	66	Not EPA Re	Not EPA	4304740414	SUNDANCE FED F-33-8-18
950	28	Not EPA Re	Not EPA	4301334143	SUNDANCE FED K-10-9-17
556	44	Not EPA Re	Not EPA	4304740247	SUNDANCE FED L-12-9-17
1024	37	Not EPA Re	Not EPA	4304740028	SUNDANCE FED N-11-9-17
1013	37	Not EPA Re	Not EPA	4301334144	SUNDANCE FED P-11-9-17
572	37	Not EPA Re	Not EPA	4304740415	SUNDANCE FED Q-11-9-17
573	37	Not EPA Re	Not EPA	4304740020	SUNDANCE FED T-11-9-17
857	45	Not EPA Re	Not EPA	4304738193	SUNDANCE FEDERAL 14-1-9-1
425	44	Not EPA Re	Not EPA	4304740031	SUNDANCE FEDERAL B-12-9-1
540	37	Not EPA Re	Not EPA	4304740029	SUNDANCE FEDERAL i-11-9-17
619	44	Not EPA Re	Not EPA	4304740030	SUNDANCE FEDERAL i-12-9-17
557	37	Not EPA Re	Not EPA	4304740027	SUNDANCE FEDERAL S-11-9-1
541	62	Not EPA Re	Not EPA	4304732827	SUNDANCE ST 4-32
765	62	Not EPA Re	Not EPA	4304734459	SUNDANCE ST 8-32-8-18
745	62	Not EPA Re	Not EPA	4304734462	SUNDANCE STATE 12-32-8-18
1202	32	Not EPA Re	Not EPA	4301334259	TANNER-JORGENSEN 13-22-4-
1026	2	Not EPA Re	Not EPA	4301331708	TAR SANDS FED 16-30-8-17
514	15	Not EPA Re	Not EPA	4301332064	TAR SANDS FED 2-29-8-17
526	15	Not EPA Re	Not EPA	4301332060	TAR SANDS FED 6-29-8-17
397	3	Not EPA Re	Not EPA	4301331615	TAR SANDS FED 8-31
511	88	Not EPA Re	Not EPA	4304732580	UTD STATE 36-K
1230	65	Not EPA Re	Not EPA	4304751058	UTE TRIBAL 10-29-4-1E
1221	78	Not EPA Re	Not EPA	4304739409	UTE TRIBAL 12-35-4-1E
1212	89	Not EPA Re	Not EPA	4304739659	UTE TRIBAL 12-6-5-2E
1220	1	Not EPA Re	Not EPA	4301333663	UTE TRIBAL 13-19-4-1
1306	88	Not EPA Re	Not EPA	4304739950	UTE TRIBAL 13-36-4-1E
1206	1	Not EPA Re	Not EPA	4301333948	UTE TRIBAL 14-19-4-1
1232	16	Not EPA Re	Not EPA	4301350272	UTE TRIBAL 14-20-4-1
1209	89	Not EPA Re	Not EPA	4304740583	UTE TRIBAL 14-6-5-2E
1176	16	Not EPA Re	Not EPA	4301333703	UTE TRIBAL 15-19-4-1
1189	17	Not EPA Re	Not EPA	4301333781	UTE TRIBAL 15-20-4-1
1227	65	Not EPA Re	Not EPA	4304740385	UTE TRIBAL 15-29-4-1E
1064	88	Not EPA Re	Not EPA	4304739410	UTE TRIBAL 15-35-4-1E

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	190E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	090S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	090S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	170E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	050S	020E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	050S	020E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	040S	010E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
2	4878	4890	350	3646	4111
2	4868	4880	270	3635	4097
2	4878	4886	1020	3652	4114
2	4851	4863	200	3632	4041
2	4848	4860	550	3586	4046
16	4682	4695	2506	3172	3602
31	4947	4959	100	3764	4251
6	5000	5012	114	3725	4235
5	4980	4992	84	3693	4190
33	4967	4979	360	3866	4240
11	5116	5128	70	3384	3901
12	5085	5097	170	3582	3939
11	5064	5076	94	3378	3886
11	5148	5160	90	3353	3871
11	5137	5148	180	3412	3936
11	5087	5099	180	3382	3884
12	5043	5055	50	3656	4042
12	4861	4873	106	3620	3967
11	5044	5056	160	3423	3924
12	5064	5077	210	3636	3986
11	5094	5106	170	3356	3864
32	5072	5085	160	3924	4404
32	4991	5003	340	3796	4278
32	5015	5027	320	3785	4260
22	5141	5153	330	4203	4704
30	5254	5267	952	3710	4230
29	5245	5257	1479	3884	4394
29	5299	5311	1533	3879	4386
31	5296	5308	0	3694	4202
36	4809	4826	1454	3717	4180
29	4895	4907	60	3976	4448
35	4960	4972	50	3990	4451
6	4922	4934	430	3882	4359
19	5287	5299	50	3959	4362
36	4925	4937	158	3948	4411
19	5273	5285	38	3959	4368
20	5219	5231	64	4157	4669
6	4849	4861	386	3806	4264
19	5248	5260	109	3932	4342
20	5204	5216	22	4139	4661
29	4954	4966	594	3983	4457
35	4998	5010	267	4032	4492

TD_KB	EPA CBL Reviewer Comments
6000	
6035	
5975	
6000	
5990	
7475	
6392	
6267	
6277	
6460	
5975	
5842	Directionally drilled
5891	
5920	
5990	
5925	
6081	
5926	Directionally drilled
5960	
5920	Directionally drilled
5920	
6200	
6261	
6200	
6780	
6500	T8S-R17E
6250	
6150	
6202	
6100	
6180	
6500	
6360	
6800	
6250	
6985	
7040	
6365	
6830	
6720	
6435	
6343	State has well P&A

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1185	88	Not EPA Re	Not EPA	4304739953	UTE TRIBAL 16-35-4-1E
1234	95	Not EPA Re	Not EPA	4304739291	UTE TRIBAL 1-7-5-2E
1192	89	Not EPA Re	Not EPA	4304739733	UTE TRIBAL 2-1-5-1E
1190	89	Not EPA Re	Not EPA	4304739734	UTE TRIBAL 3-1-5-1E
1238	88	Not EPA Re	Not EPA	4304739949	UTE TRIBAL 4-1-5-1E
1213	48	Not EPA Re	Not EPA	4304739492	UTE TRIBAL 4-25-4-1
1186	95	Not EPA Re	Not EPA	4304739716	UTE TRIBAL 4-8-5-2E
1195	95	Not EPA Re	Not EPA	4304739702	UTE TRIBAL 5-8-5-2E
1240	48	Not EPA Re	Not EPA	4304739330	UTE TRIBAL 6-25-4-1
1170	49	Not EPA Re	Not EPA	4304739332	UTE TRIBAL 6-30-4-1E
1308	95	Not EPA Re	Not EPA	4304739412	UTE TRIBAL 6-8-5-2E
1188	64	Not EPA Re	Not EPA	4304740502	UTE TRIBAL 7-30-4-1E
1199	49	Not EPA Re	Not EPA	4304739331	UTE TRIBAL 8-25-4-1
1205	89	Not EPA Re	Not EPA	4304740581	UTE TRIBAL 9-1-5-1E
1173	65	Not EPA Re	Not EPA	4304751085	UTE TRIBAL 9-29-4-1E
1180	64	Not EPA Re	Not EPA	4304751059	UTE TRIBAL 9-30-4-1E
666	63	Not EPA Re	Not EPA	4304731550	W PARIETTE FED 6-29
1229	32	Not EPA Re	Not EPA	4301350081	WEDIG 14-22-4-1
1194	1	Not EPA Re	Not EPA	4301350207	WILCKEN 15-24-4-2
1168	1	Not EPA Re	Not EPA	4301334260	WILCKEN 16-24-4-2
1156	5	Not EPA Re	Not EPA	4304730806	8 MILE FLT FED 1-24
1262	4	Not EPA Re	Not EPA	4301331442	ALLEN FEDERAL 31-6G
968	58	Not EPA Re	Not EPA	4304732617	BALCRON FED 12-20Y
835	55	Not EPA Re	Not EPA	4304732614	BALCRON FED 31-19Y
786	61	Not EPA Re	Not EPA	4304732503	BALCRON FED 31-5Y
783	55	Not EPA Re	Not EPA	4304732615	BALCRON FED 32-19Y-9-18
460	55	Not EPA Re	Not EPA	4304732504	BALCRON FED 41-19Y
543	55	Not EPA Re	Not EPA	4304732616	BALCRON FED 42-19Y
1259	32	Not EPA Re	Not EPA	4301331539	BALCRON MON FED 11-22-8-1
708	58	Not EPA Re	Not EPA	4304732711	BALCRON MON FED 22-20Y-9-
908	36	Not EPA Re	Not EPA	4304732613	BALCRON MON ST 23-2
979	58	Not EPA Re	Not EPA	4304732712	BALCRON MONUMENT FED 11
710	11	Not EPA Re	Not EPA	4301333713	BELUGA FEDERAL C-17-9-17
558	17	Not EPA Re	Not EPA	4301331889	BOUNDARY 6-21
939	17	Not EPA Re	Not EPA	4301331441	BOUNDARY FED 14-21-8-17
95	16	Not EPA Re	Not EPA	4301330667	BOUNDARY FED 15-20-8-17
846	17	Not EPA Re	Not EPA	4301331627	BOUNDARY FED 16-21
931	16	Not EPA Re	Not EPA	4301331993	BOUNDARY FED 8-20-8-17
711	36	Not EPA Re	Not EPA	4304739681	CASTLE DRAW R-2-9-17
612	97	Not EPA Re	Not EPA	4304730070	CHORNEY FED 1-9
1260	35	Not EPA Re	Not EPA	4304731403	COUNTY LINE FED 2-35
995	39	Not EPA Re	Not EPA	4301332787	DS FED 3-23

[illegible]

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	050S	020E
CBL	Yes	Yes	Yes	050S	010E
CBL	Yes	Yes	Yes	050S	010E
CBL	Yes	Yes	Yes	050S	010E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	050S	020E
CBL	Yes	Yes	Yes	050S	020E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	050S	020E
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	050S	010E
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	040S	010E
CBL	Yes	Yes	Yes	080S	180E
CBL	Yes	Yes	Yes	040S	010W
CBL	Yes	Yes	Yes	040S	020W
CBL	Yes	Yes	Yes	040S	020W
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	No	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	No	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
35	4968	4980	190	3990	4454
7	4813	4825	682	3754	4200
1	4969	4981	24	3086	4437
1	4969	4981	220	4092	4573
1	4926	4938	90	3940	4394
25	4169	4643	435	4169	4643
8	4856	4868	20	3886	4347
8	4855	4867	270	3747	452
25	5029	5041	92	4261	4763
30	4904	4916	0	4018	4491
8	4877	4889	450	3769	4208
30	4911	4923	214	4021	4496
25	4958	4970	30	4146	4638
1	4955	4967	378	3914	4365
29	4894	4906	10	4112	4599
30	4951	4963	140	4032	4502
29	4392	4909	250	3804	4287
22	5136	5148	60	4184	4681
24	5319	5331	262	4193	4723
24	5323	5335	0	4198	4720
24	4868	4884	2561	3196	3636
6	5292	5302	102	--	--
20	5130	5140	761	3300	3637
19	5137	5147	465	3185	3668
5	4861	4871	37060	3550	4040
19	5152	5162	370	3157	3636
19	5130	5140	1170	3183	3677
19	5134	5144	1630	3148	3626
22	5175	5187	100	4106	4610
20	5122	5131	298	3302	3636
2	5082	5092	618		
20	5115	5125	800	3332	3666
17	5363	5375	30	3398	3906
21	5223	5233	1700	4052	4560
21	5240	5253	692	3995	4506
20	5288	5300	1538	3964	4476
21	5208	5221	492	3979	4485
20	5253	5268	671	4074	4588
2	5069	5081	30	3690	4050
9	4680	4693	2050	3280	3708
35	5023	5035	1000	3710	4176
23	5224	5238	858	3154	3521

TD_KB	EPA CBL Reviewer Comments
6535	
6077	
6420	
6536	
6450	
6655	4-25-4-1W
6447	
6250	
6835	6-25-4-1W
6560	
6118	
6770	7-30-4-1E
6843	8-25-4-1W
6287	
6937	
6767	
6500	
6685	
7090	
6805	
5881	
2842	CBL ELECTRONIC, but only run to
5316	
5510	Location: T9S-R18E.
5950	
5400	
5550	Location: T9S-R18E.
5400	Location: T9S-R18E. CBL uses na
6450	Production well. The name is als
5307	
5800	P&A. CBL goes only to 3407 ' (St
5282	No 80% CBI
6001	
6350	Well name includes "Boundary Fe
6300	
6910	GL CBL elevation corrected from
6255	T8S-R17E
6400	Lacks 80% cement bond
6120	
4901	Poor Percentage Log.
6100	Poor Percentage log
5800	observe surface weekly

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
622	44	Not EPA Re	Not EPA	4304735519	FEDERAL 10-12-9-17
483	55	Not EPA Re	Not EPA	4304739397	FEDERAL 11-19-9-18
1253	84	Not EPA Re	Not EPA	4304739717	FEDERAL 11-19-9-19
637	64	Not EPA Re	Not EPA	4304736282	FEDERAL 11-20-8-18
544	44	Not EPA Re	Not EPA	4304735518	FEDERAL 12-12-9-17
567	64	Not EPA Re	Not EPA	4304736283	FEDERAL 12-20-8-18
847	10	Not EPA Re	Not EPA	4301333231	FEDERAL 12-20-9-17
593	76	Not EPA Re	Not EPA	4304732077	FEDERAL 12-34
1068	83	Not EPA Re	Not EPA	4304730716	FEDERAL 1-26A
837	24	Not EPA Re	Not EPA	4301333666	FEDERAL 1-28-9-17
375	60	Not EPA Re	Not EPA	4304731546	FEDERAL 12-8-9-18 (8-Mile Fla
921	63	Not EPA Re	Not EPA	4304736658	FEDERAL 1-29-8-18
88	59	Not EPA Re	Not EPA	4304735564	FEDERAL 13-17-9-18
598	84	Not EPA Re	Not EPA	4304739212	FEDERAL 13-24-9-18
545	78	Not EPA Re	Not EPA	4304732720	FEDERAL 13-26
1242	85	Not EPA Re	Not EPA	4304737622	FEDERAL 14-18-9-19
1243	84	Not EPA Re	Not EPA	4304738336	FEDERAL 14-19-9-19
492	42	Not EPA Re	Not EPA	4304739268	FEDERAL 14-24-9-17
621	65	Not EPA Re	Not EPA	4304732733	FEDERAL 14-28
919	51	Not EPA Re	Not EPA	4304734287	FEDERAL 14-31-8-18
1035	79	Not EPA Re	Not EPA	4304731423	FEDERAL 14-35D
634	52	Not EPA Re	Not EPA	4304734937	FEDERAL 14-6-9-18
1280	61	Not EPA Re	Not EPA	4304731405	FEDERAL 15-5R-9-18
584	45	Not EPA Re	Not EPA	4304735496	FEDERAL 16-1-9-17
1046	4	Not EPA Re	Not EPA	4301330603	FEDERAL 2-1
677	44	Not EPA Re	Not EPA	4304735750	FEDERAL 2-12-9-17
569	45	Not EPA Re	Not EPA	4304734938	FEDERAL 2-1-9-17
1251	92	Not EPA Re	Not EPA	4304738575	FEDERAL 23-18-9-19
684	78	Not EPA Re	Not EPA	4304732080	FEDERAL 23-26
1268	76	Not EPA Re	Not EPA	4304731347	FEDERAL 2-34
481	78	Not EPA Re	Not EPA	4304732700	FEDERAL 24-26
1034	76	Not EPA Re	Not EPA	4304731637	FEDERAL 24-34D
649	57	Not EPA Re	Not EPA	4304731175	FEDERAL 32-29
157	76	Not EPA Re	Not EPA	4304731497	FEDERAL 3-34
748	79	Not EPA Re	Not EPA	4304731456	FEDERAL 3-35
991	78	Not EPA Re	Not EPA	4304732847	FEDERAL 34-26
1130	6	Not EPA Re	Not EPA	4301331399	FEDERAL 41-18
595	70	Not EPA Re	Not EPA	4304731198	FEDERAL 41-21
525	57	Not EPA Re	Not EPA	4304732495	FEDERAL 41-29
747	8	Not EPA Re	Not EPA	4301330601	FEDERAL 41-30
645	65	Not EPA Re	Not EPA	4304740166	FEDERAL 4-28-8-18
735	71	Not EPA Re	Not EPA	4304739672	FEDERAL 4-28-9-18

[illegible]

Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	No	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	160E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	No	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	P&A OK	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	180E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
12	5082	5094	214	3510	3846
19	5179	5191	130	3114	3601
19	4893	4918			
20	4943	4955	232	3986	4451
12	5085	5097	164	3496	3848
20	4954	4966	178	3978	4456
20	5437	5449	50	3107	3602
34	4835	4845	1910	3714	4188
26	4893		28	2957	3429
28	5337	5344	468	3026	3459
8	5049	5059	1400	3418	3910
29	4973	4985	656	3940	4415
17	5108	5120	148	3370	3714
24	4921	4933	1984	3038	3496
26	4905	4917	1650	4000	4350
18	4847	4874			3642
19	4840	4867	3430	3048	3479
24	5229	5241	1362	3182	3554
28	4402	4414	2120		4280
31	4959	4971	650	3781	4261
35	4809	4821	2536	3638	4106
6	5024	5036	230	3684	3978
5	4999	5015	266		
1	5032	5044	186	3630	3985
1	5341	5358	2744	3680	4088
12	5009	5021	260	3528	3893
1	5007	5019	18	3762	4108
18	4808	4825			
26	4898	4910	2620	3996	4366
34	4864	4878	1750		
26	4913	4923	1292	4000	4334
34	4876	4888	0	3674	4142
29	5150	5164	2400	3180	3525
34	4856	4868	2150	3702	4174
35	4860	4875	3260	3779	4240
26	4907	4917	850	4048	4354
18	5406	5419	80	3538	3944
21	5047	5061	1950	3366	3700
29	5133	5148	1530	3231	3555
30	5520	5530	3240	3079	3565
28	5991	6003	240	3940	4416
28	5128	5140	318	3454	3778

TD_KB	EPA CBL Reviewer Comments
5708	
5560	
15,215	Deep gas well.
6480	Corrtect API on CBL
5710	
6500	Correct API onm CBL
5625	
6098	Short CBL
5444	
5461	Not enough 80% CBI
5932	CBL interval: 1400-5879. TOC is
6735	
5546	
15,163	Deep gas well.
6215	
13,188	Deep gas well. ISC (Inside Surfac
14,960	Deep gas well. ISC (Inside Surfac
5420	
6200	
6283	Directional drill. Observe surface
6185	Newfield: Micro-Seismogram
5945	
5950	Plugged and Abandoned
5928	No enough 80% CBI
5750	
5865	
6075	Only 16' of 80% CBI in B Zone
13,095	Deep gas well.
6237	
6125	State: and Newfield: No logs of a
6250	
6150	No CBL. Has UT number UT2215
5693	Questionable CBL (malfunction?)
6204	State: Poor Acoustic CBL; see rev
6250	No CBL State or Newfield
6200	
5900	Well P&A No CBL run. GR log s
5720	P&A Strange gap in cement, 330
5520	
6100	see review sheet
6395	
6321	No CBL here or in UT database. T

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
761	50	Not EPA Re	Not EPA	4304736225	FEDERAL 4-30-8-18
642	77	Not EPA Re	Not EPA	4304732732	FEDERAL 43-27
1304	63	Not EPA Re	Not EPA	4304732701	FEDERAL 43-29
655	38	Not EPA Re	Not EPA	4304732438	FEDERAL 44-14Y
1275	63	Not EPA Re	Not EPA	4304732079	FEDERAL 44-29
421	50	Not EPA Re	Not EPA	4304736243	FEDERAL 5-30-8-18
650	74	Not EPA Re	Not EPA	4304731214	FEDERAL 6-10-9-18
474	45	Not EPA Re	Not EPA	4304735848	FEDERAL 6-1-9-17
376	53	Not EPA Re	Not EPA	4304731126	FEDERAL 6-7-9-18
534	60	Not EPA Re	Not EPA	4304736346	FEDERAL 8-8-9-18
654	86	Not EPA Re	Not EPA	4304736468	FEDERAL 9-12-9-18
373	7	Not EPA Re	Not EPA	4301330587	FRED MORRIS FED 19-1-9-17
1372	3	Not EPA Re	Not EPA	4301351025	GMBU B-31-8-17
1448	36	Not EPA Re	Not EPA	4304751553	GMBU D-2-9-17
1445	14	Not EPA Re	Not EPA	4301350690	GMBU J-32-8-17
1325	6	Not EPA Re	Not EPA	4301350502	GMBU K-18-9-17
1342	33	Not EPA Re	Not EPA	4304751480	GMBU L-23-8-17
1369	35	Not EPA Re	Not EPA	4304751636	GMBU M-35-8-17
1446	14	Not EPA Re	Not EPA	4301350656	GMBU P-32-8-17
1458	12	Not EPA Re	Not EPA	4301351250	GMBU T-8-9-17
1076	3	Not EPA Re	Not EPA	4301315113	GOVT 31-1-8-17
1264	34	Not EPA Re	Not EPA	4304734163	GREATER BOUNDARY 2-26-8-1
377	30	Not EPA Re	Not EPA	4301332253	GREATER BOUNDARY 2-34-8-1
1318	88	Not EPA Re	Not EPA	4304731864	GULF STATE 36-12
1313	33	Not EPA Re	Not EPA	4304733082	HANCOCK 4-26-4-1
782	93	Not EPA Re	Not EPA	4304730059	HENDEL FED 1-17
611	93	Not EPA Re	Not EPA	4304730074	HENDEL FED 3-17-9-19
641	47	Not EPA Re	Not EPA	4304739971	HUMPBAC FED i-25-8-17
628	47	Not EPA Re	Not EPA	4304739972	HUMPBAC FED M-25-8-17
1305	41	Not EPA Re	Not EPA	4304739195	JANS FED 1-25-9-17
1281	39	Not EPA Re	Not EPA	4301332789	JDC FED 4-23
1018	39	Not EPA Re	Not EPA	4301332786	JODIE FED 1-23
1051	5	Not EPA Re	Not EPA	4301332430	JONAH FED 9-12-9-16
976	39	Not EPA Re	Not EPA	4301332788	LFW FED 2-23
1019	23	Not EPA Re	Not EPA	4301334162	LONE TREE FED 10-21-9-17
515	26	Not EPA Re	Not EPA	4301333313	LONE TREE FED 16-22-9-17
294	23	Not EPA Re	Not EPA	4301333292	LONE TREE FED 3-21-9-17
980	23	Not EPA Re	Not EPA	4301333284	LONE TREE FEDERAL 12-21-9-1
660	23	Not EPA Re	Not EPA	4301333283	LONE TREE FEDERAL 13-21-9-1
1201	2	Not EPA Re	Not EPA	4301333750	MB NE FED L-25-8-16
1053	8	Not EPA Re	Not EPA	4301331608	MON BUTTE FED 1-25(I)-8-16
1054	2	Not EPA Re	Not EPA	4301331600	MON BUTTE FED 9-25

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS		Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	Yes	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	No	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	040S	010W
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	160E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	160E
CBL+RTS	Yes	Yes	No	080S	160E
CBL+RTS	Yes	Yes	No	080S	160E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
30	5025	5037	340	3958	4435
27	4862	4872	2350	3831	4314
29	4886	4896	2800		4368
14	5164	5174	247	3168	3662
29	4981	4993	2706		
30	4935	4947	104	3830	4308
10	4930	4940	2414	3492	3956
1	4991	5003	123	3687	4022
7	5057	5068	0	3426	3910
8	4996	5008	160	3456	3948
12	4795	4823	2454	3418	3852
19	5552	5378	1000	3264	3763
31	5298	5288	204	3808	4334
2	5019	5031	50	3615	4119
32	5219	5231	90	3752	4262
18	5410	5422	100	3340	3855
23	5030	5040	730	4056	4556
35	5032	5045	0	3718	4224
32	5245	5257	1402	3631	4146
8	5277	5287	254	3433	3948
31	5321	5333	3894	3676	4186
26	5033	5043	1160	3890	4380
34	5086	5096	0	3762	4270
36	3882	4896	900	3818	4281
26	5088	5099	791	4165	4650
17	4744	4757	3616	3300	3727
17	4736	4749	2045	3232	3674
25	5023	5035	235	3979	4467
25	5054	5066	224	4006	4504
25	5290		0		3505
23	5260	5273	0	3140	3506
23	5193	5204	92	3118	3611
12	5445	5457	658	3406	3926
23	5226	5242	795	3200	3588
21	5320	5332	92	3116	3554
22	5264	5276	1480	3014	3498
21	5322	5334	643	3203	3636
21	5356	5368	800	3124	3502
21	5389	5401	250	3104	3534
25	5458	5470	324	3945	4479
25	5398	5411	0	3914	4438
25	5327	5340	100	3762	4285

TD_KB	EPA CBL Reviewer Comments
6418	No Class II Ers in Sed. 30. Complia
6200	Top CBL in Garden Gulch
6250	
5631	weekly monitoring of surface
6250	No ACZ CBL. Utah lists no open h
6400	No ACE 80% bond. Compliance ac
6060	Very poort CBL
5975	
6200	TOC by EPA estimate
6050	
15,290	Deep gas well. CBL log says TOC
5855	No CBL. State website files and E
6399	
6212	
6320	
6025	
6678	
6273	
6323	
5978	
5488	
6415	Upper perforations are in Confini
6289	
6194	NO CBL.....Shut-in oil well
6500	
5090	No CBL at Newfield or State
4575	CBL not readable
6685	
6560	
7260	
5700	
6001	observe surface weekly
6004	See well review sheet.
5655	no CBL in State files. See review s
5820	
5535	
5700	
5665	
5600	
6675	NE Federal not always used in na
6250	
6100	T8S-R16E

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
1049	5	Not EPA Re	Not EPA	4301331486	MON FED 42-12J
1320	4	Not EPA Re	Not EPA	4301331404	MON FED 42-1J
1050	4	Not EPA Re	Not EPA	4301331415	MON FED 44-1J
1256	4	Not EPA Re	Not EPA	4301330734	MONUMENT BUTTE 1-43
1056	2	Not EPA Re	Not EPA	4301331597	MONUMENT BUTTE FED 16-2
1055	2	Not EPA Re	Not EPA	4301331601	MONUMENT BUTTE FED 8-25
1319	1	Not EPA Re	Not EPA	4301331629	MONUMENT BUTTE FED NE 1
1052	3	Not EPA Re	Not EPA	4301310159	MONUMENT BUTTE ST 16-36R
1045	3	Not EPA Re	Not EPA	4301331572	MONUMENT BUTTE ST 9-36
1231	5	Not EPA Re	Not EPA	4301331487	MONUMENT FED 41-12J
576	55	Not EPA Re	Not EPA	4304732730	MONUMENT FED 43-19-9-18Y
1161	8	Not EPA Re	Not EPA	4301330683	NGC FEDERAL 22-30-H
1142	39	Not EPA Re	Not EPA	4304731169	NGC FEDERAL 23-23
893	46	Not EPA Re	Not EPA	4304733075	ODEKIRK SPRING 14-36-8-17
452	46	Not EPA Re	Not EPA	4304738319	ODEKIRK SPRING S-36-8-17
967	56	Not EPA Re	Not EPA	4304732686	OK CORRAL FEDERAL 1-30
478	90	Not EPA Re	Not EPA	4304731616	PARIETTE BENCH FED 43-6
512	48	Not EPA Re	Not EPA	4304732646	PARIETTE FED 24-24-8-17
559	63	Not EPA Re	Not EPA	4304732848	PARIETTE FED 32-29
579	63	Not EPA Re	Not EPA	4304731464	PARIETTE FEDERAL 10-29
1139	27	Not EPA Re	Not EPA	4304730670	POMCO 24-15
158	11	Not EPA Re	Not EPA	4301330506	POMCO 4-17-9-17
1257	78	Not EPA Re	Not EPA	4304731528	REX LAMB 34-1
580	27	Not EPA Re	Not EPA	4301332022	S PLEASANT VALLEY FED 10-15
565	26	Not EPA Re	Not EPA	4301332023	S PLEASANT VALLEY FED 2-22-
1245	84	Not EPA Re	Not EPA	4304739730	SHEEP WASH FED 11-25-9-18
1241	84	Not EPA Re	Not EPA	4304736727	SHEEP WASH FED 21-25-9-18
1246	84	Not EPA Re	Not EPA	4304739729	SHEEP WASH FED 31-25-9-18
1172	84	Not EPA Re	Not EPA	4304736772	SHEEP WASH FED 41-25-9-18
1244	83	Not EPA Re	Not EPA	4304738351	SHEEP WASH FED 41-26-9-18
971	84	Not EPA Re	Not EPA	4304739211	SHEEPWASH 15-24-9-18
162	69	Not EPA Re	Not EPA	4304735811	STATE 1-16-9-18
658	62	Not EPA Re	Not EPA	4304732500	STATE 31-32
875	46	Not EPA Re	Not EPA	4304739962	STATE 4-36TA-8-17(RIGSKID)
1278	22	Not EPA Re	Not EPA	4301333865	STATE 5-16T-9-17
192	69	Not EPA Re	Not EPA	4304735819	STATE 9-16-9-18
398	22	Not EPA Re	Not EPA	4301330562	SUE MORRIS 16-3
616	27	Not EPA Re	Not EPA	4301332792	SUNDANCE FED 8-15-9-17
769	62	Not EPA Re	Not EPA	4304734464	SUNDANCE ST 14-32-8-18
1029	15	Not EPA Re	Not EPA	4301331924	TAR SANDS FED 12-29-8-17
471	15	Not EPA Re	Not EPA	4301332059	TAR SANDS FED 14-29-8-17
524	15	Not EPA Re	Not EPA	4301331871	TAR SANDS FED 16-29

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Part II MI Demo Metho	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL+RTS	Yes	Yes	No	090S	160E
CBL+RTS	Yes	Yes	No	090S	160E
CBL+RTS	Yes	Yes	No	090S	160E
CBL+RTS	Yes	Yes	No	090S	160E
CBL+RTS	Yes	Yes	No	080S	160E
CBL+RTS	Yes	Yes	No	080S	160E
CBL+RTS	Yes	Yes	No	080S	160E
CBL+RTS	Yes	Yes	No	080S	160E
CBL+RTS	Yes	Yes	No	080S	160E
CBL+RTS	Yes	Yes	No	090S	160E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	190E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	040S	010E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	090S	170E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
12	5474	5484	530	3466	3974
1	5380	5390	2310	3654	4058
1	5372	5382	535	3549	3960
1	5404	5424	1514	3644	4060
25	5302	5315	960	3716	4240
25	5429	5442	830	3892	4413
24	5399	5411	0	4099	4478
36	5331	5344	700	3598	4099
36	5386	5399	0	3691	4205
12	5458	5456	60	3486	4003
19	5151	5161	1820	3124	3606
30	5670	5684	688	2946	3328
23	5240	5252	1049	3058	3576
36	5025	5035	584	3684	4162
36	4966	4978	1150	3890	4210
30	5182	5195	760	3206	3537
6	4806	4816	1250	3612	4038
24	5002	5012	1466	3980	4434
29	4870	4880	1710		4292
29	4890	4902	1835	3796	4281
24	5179	5191	934	3152	3642
17	5430	5442	2150	3237	3731
34	4932	4942	1740		4418
15	5226	5241	1836	3188	3688
22	5222	5235	1740	3104	3606
25	4901	4927	3598	2986	3410
25	4921	4939		3043	3484
25	4905	4930	ISC		
25	4863	4881	0	2996	3424
26	4889	4914	5386	2962	3428
24	4878	4906	78	3076	3518
16	5000	5012	220	3562	3867
32	4976	4991	2484	3814	4297
32	5061	5086	5532		
16	5312	5324			
16	5012	5024	260	3461	3771
16	5286	5299	-0-	3310	3870
15	5201	5213	210	3247	3746
32	4961	4973	350	3674	4160
29	5249	5259	960	3759	4273
29	5206	5218	1210	3709	4215
29	5161	5174	1520	3694	4197

TD_KB	EPA CBL Reviewer Comments
5700	
5850	No data for 0% cement bond, can
5750	
6200	CBL from state website ; has gap
6100	T8S-R16E
6350	T8S-R16E
6300	
5510	
6170	
5750	
5350	
5970	
5697	
5990	
6261	
5400	Used old schematic
6000	
6450	
6250	Incomplete CBL
6350	Poor quality Percentage CBL
6100	
6207	
6420	Short CBL
5484	
5500	
13,457	Deep Gas Well. ISC (Inside Surfa
12,940	Deep gas well. ISC (Inside Surfac
13,415	Deep gas well. ISC (Inside Surfac
12,865	Deep gas well.
15,070	Deep gas well. ISC (Inside Surfac
15,071	Deep gas well.
5709	
6400	
16,740	Deep gas well. NO CBL ABOVE 98
18,510	CBL from 7950-TD only. Deep Ga
5520	
5836	No CBL available. Within 1/4 mil
5720	
6135	
6100	
6050	
6050	T8S-R17E

ID	EPA_Sect	EPA_Permit	EPA_Well	API_No	Well_Name
379	19	Not EPA Re	Not EPA	4301331664	TAR SANDS FED 4-33
426	18	Not EPA Re	Not EPA	4301331921	TAR SANDS FED 6-28-8-17
415	15	Not EPA Re	Not EPA	4301331922	TAR SANDS FED 8-29-8-17
734	84	Not EPA Re	Not EPA	4304732566	UTD CHASEL 24-14
591	88	Not EPA Re	Not EPA	4304732581	UTD STATE 36-M
1258	64	Not EPA Re	Not EPA	4304740386	UTE TRIBAL 11-29-4-1E
1211	64	Not EPA Re	Not EPA	4304739333	UTE TRIBAL 12-29-4-1E
1307	65	Not EPA Re	Not EPA	4304739334	UTE TRIBAL 16-29-4-1
1208	17	Not EPA Re	Not EPA	4301331069	WALKER/SAND PASS 14-21R-4
506	89	Not EPA Re	Not EPA	4304731415	WILDROSE FEDERAL 31-1

EPA_Well_Status	Construction Approved	Injection Approved	MAIP 1
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	
Not EPA Regulated	Not EPA Regulated	Not EPA Regulated	

Part II MI Demo Method	Perf_>_CZ base	TOC_<_CZ base	80% Bond?	Township	Range
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	080S	170E
CBL+RTS	Yes	Yes	No	090S	180E
CBL+RTS	Yes	Yes	No	080S	180E
CBL+RTS	Yes	Yes	No	040S	010E
CBL+RTS	Yes	Yes	No	040S	010E
CBL+RTS	Yes	Yes	No	040S	010E
CBL+RTS	Yes	Yes	No	040S	010W
CBL+RTS	Yes	Yes	No	080S	190E

Section	GL_Elev	KB_Elev	TOC_KB	CZ_Top_KB	CZ_Base_KB
33	5142	5155	0	3676	4181
28	5215	5228	1068	3876	4382
29	5255	5268	1000	3868	4377
24	4897	4911	315	3174	3500
36	4760	4774	1900	3630	4092
29	4961	4973	90	4034	4503
29	4906	4918	40	3984	4452
29	4916	4928	265	3968	4439
21	5159	5172	380	4174	4690
31	4871	4884	1430		4261

TD_KB	EPA CBL Reviewer Comments
6060	
6226	
6200	
5092	
6070	State and Newfield maps show P
6470	
6600	
6657	
7010	Re-entry
6200	Short Percentage CBL