POWERTECH (USA) INC.

APPENDIX F

GROUNDWATER WELLS

(LOCATIONS AND WELL COMPLETION REPORTS)

POWERTECH (USA) INC.

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 1 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
1	7	1	9	SESE	996095.098	429227.773	3,624	Lakota
2	7	1	16	SESE	995122.6159	423922.589	3,554	Lakota
3	7	1	22	SWNW	ND	ND	ND	Lakota
4	7	1	15	SESE	1000915.012	423080.6142	3,580	unknown
5	7	1	14	NENW	1003580.429	427284.2174	3,643	Lakota
6	7	1	14	NESE	1005616.918	425012.4771	3,671	unknown
7	7	1	23	NWNW	1001702.774	422416.855	3,574	Fall River
8	7	1	23	SWSE	1004451.179	418514.8505	3,558	Fall River
9	7	1	23	NENE	ND	ND	ND	Fall River
10	7	1	13	NENE	ND	ND	ND	Lakota
11	7	1	24	NWSW	ND	ND	ND	Sundance/Unkpapa
12	7	1	4	SESE	995376.7972	434378.5136	3,641	Lakota
13	7	1	4	NENE	996758.8703	438470.3951	3,673	Lakota
14	7	1	2	NWSW	1002098.748	434723.4041	3,672	Lakota
15	7	1	2	NENW	1003703.016	438317.4124	3,713	Lakota
16	7	1	1	NESW	1009827.637	434446.9008	3,869	Lakota
17	7	1	12	SENW	1008622.303	431329.1544	3,789	Fall River
18	7	1	9	SWSW	991210.5573	428960.1458	3,566	Fall River
19	7	1	18	SWNW	ND	ND	ND	Fall River
20	7	1	17	SWSW	986070.6362	424628.3007	3,563	Fall River
21	7	1	19	SWNW	980440.6072	421760.0599	3,569	Fall River
22	40	60	27	NWSW	ND	ND	ND	unknown
23	7	1	29	NWNW	985974.1188	416755.5806	3,590	Fall River
24	7	1	28	NWNE	993100.2648	417036.9282	3,563	Fall River
25	7	1	27	NWSE	ND	ND	ND	Fall River
26	7	1	35	SWNE	1003612.929	410375.132	3,549	Fall River
27	7	1	33	SWSE	ND	ND	ND	Lakota
28	8	2	22	NESW	ND	ND	ND	unknown
29	8	2	16	NENW	ND	ND	ND	unknown
30	7	2	31	SESE	ND	ND	ND	unknown
31	7	2	31	SWNW	ND	ND	ND	Lakota
32	7	2	30	SWSW	ND	ND	ND	Lakota
33	7	1	25	NWSE	ND	ND	ND	Fall River
34	7	2	30	NWNW	ND	ND	ND	unknown
35	7	2	19	NWSE	ND	ND	ND	Lakota
36	7	2	30	NWNE	ND	ND	ND	Lakota

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 2 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
37	7	2	18	NWSW	1012581.749	423947.5161	3,689	unknown
38	6	1	33	NWNW	992726.8917	442289.5946	3,634	Lakota
39	6	1	29	NENE	ND	ND	ND	unknown
40	6	1	30	SWNW	981813.9304	447183.2347	3,635	Other Inyan Kara
41	6	1	31	SWNE	983783.722	442081.4368	3,611	Alluvial
42	7	1	5	SWNE	989542.8678	436481.4222	3,596	Lakota
43	6	1	34	SWSE	999521.6678	439436.2184	3,672	Lakota
44	7	2	31	NWSE	ND	ND	ND	Fall River
45	8	2	5	NWNW	ND	ND	ND	Fall River
46	7	2	31	SWNE	ND	ND	ND	Fall River
47	7	2	32	SWSW	ND	ND	ND	Fall River
48	6	1	19	SENW	ND	ND	ND	Lakota
49	6	1	32	NWNW	987330.6151	444022.8154	3,628	Fall River
50	41	60	28	SWNW	ND	ND	ND	Lakota
51	7	1	9	SENE	995810.3298	431486.9525	3,615	Lakota
52	7	2	30	NESE	ND	ND	ND	unknown
53	7	2	30	SWNE	ND	ND	ND	unknown
54	7	1	25	NWSE	ND	ND	ND	Fall River
55	7	1	36	NWNE	ND	ND	ND	Fall River
56	7	2	32	SESE	ND	ND	ND	Lakota
57	8	2	5	NESE	ND	ND	ND	Lakota
58	7	1	31	NWNE	ND	ND	ND	Fall River
59	8	2	5	NENW	ND	ND	ND	Fall River
60	7	2	33	NWSE	ND	ND	ND	unknown
61	7	1	11	NWSE	1005230.856	429987.4356	3,740	Lakota
62	7	1	25	SWSW	ND	ND	ND	unknown
63	7	1	36	NESW	ND	ND	ND	Fall River
64	8	2	9	SWNE	ND	ND	ND	unknown
65	8	2	9	NWNE	ND	ND	ND	unknown
66	8	2	8	NENW	ND	ND	ND	unknown
67	8	2	8	SENW	ND	ND	ND	unknown
68	8	2	8	NENE	ND	ND	ND	Lakota
69	7	1	25	SWSE	ND	ND	ND	Fall River
70	7	1	25	NESW	ND	ND	ND	Other Inyan Kara
71	8	2	6	NWSE	ND	ND	ND	Fall River
72	8	2	6	NWSE	ND	ND	ND	Fall River

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 3 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
73	8	2	6	NESW	ND	ND	ND	Lakota
74	8	2	6	NESW	ND	ND	ND	Fall River
75	8	2	17	SWSW	ND	ND	ND	Fall River
76	8	2	17	SENW	ND	ND	ND	Fall River
77	8	2	17	NWNE	ND	ND	ND	Fall River
78	8	2	20	NWSE	ND	ND	ND	Fall River
79	8	2	27	NESE	ND	ND	ND	Fall River
80	8	2	35	SWNW	ND	ND	ND	Lakota
81	8	2	14	SWNW	ND	ND	ND	Lakota
82	8	2	10	SWSW	ND	ND	ND	Fall River
83	8	2	14	NESW	ND	ND	ND	Fall River
84	8	2	10	SWNW	ND	ND	ND	Fall River
85	8	2	28	NESE	ND	ND	ND	Fall River
86	8	2	6	NWSW	ND	ND	ND	Fall River
87	8	1	1	SENE	ND	ND	ND	Fall River
88	7	1	35	SESE	1005216.386	408176.9195	3,554	Fall River
89	8	1	11	NWNE	ND	ND	ND	Lakota
90	8	2	23	SENW	1033574.095	387507.8887	3,572	unknown
91	8	2	12	SENW	ND	ND	ND	Fall River
92	8	2	23	SESW	ND	ND	ND	Fall River
93	8	2	2	SWNE	ND	ND	ND	Lakota
94	7	2	34	SWSW	ND	ND	ND	Lakota
95	40	61	25	SESE	ND	ND	ND	Fall River
96	41	60	22	SWSW	980028.4941	451854.1002	3664	Lakota
98	41	60	17	SWNW	ND	ND	ND	unknown
99	41	60	17	NENE	ND	ND	ND	Lakota
100	41	60	7	NWSE	ND	ND	ND	Lakota
102	6	1	18	SWNE	ND	ND	ND	Lakota
103	41	60	10	NWNW	ND	ND	ND	Lakota
104	41	60	10	NWSW	ND	ND	ND	Lakota
105	41	60	9	SENW	ND	ND	ND	Lakota
106	6	1	18	NENE	ND	ND	ND	unknown
107	6	1	18	SWNE	ND	ND	ND	Fall River
108	6	1	18	SWNE	ND	ND	ND	Fall River
109	6	1	17	NENW	ND	ND	ND	Lakota
110	6	1	17	NENE	ND	ND	ND	Lakota

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 4 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
111	6	1	17	NWNE	ND	ND	ND	Fall River
112	6	1	16	NWSE	ND	ND	ND	Fall River
113	7	2	6	NESW	1014835.904	434417.4002	3,844	unknown
114	7	2	7	SESW	1013809.661	428653.8989	3,764	Sundance/Unkpapa
115	6	1	18	SENE	986095.9548	457641.2997	3,720	Lakota
116	6	1	18	SENE	ND	ND	ND	Fall River
117	6	1	8	SWSE	ND	ND	ND	unknown
118	6	1	7	NESE	ND	ND	ND	unknown
119	6	1	8	NWNW	ND	ND	ND	unknown
120	6	1	5	NWSW	ND	ND	ND	unknown
121	5	1	31	SWSW	ND	ND	ND	Lakota
122	5	1	30	NENW	ND	ND	ND	unknown
123	42	60	21	NENW	ND	ND	ND	unknown
124	5	1	18	NWSW	ND	ND	ND	unknown
125	6	1	6	SWSW	ND	ND	ND	Fall River
126	41	60	16	SESW	ND	ND	ND	Lakota
127	41	60	7	SWNE	ND	ND	ND	Lakota
131	8	2	4	NWSE	ND	ND	ND	Fall River
132	8	2	4	NWSE	ND	ND	ND	Lakota
134	40	60	29	SWNW	ND	ND	ND	unknown
135	8	2	1	SENW	1039467.842	403141.0347	3,803	Lakota
136	8	2	5	NWNW	ND	ND	ND	unknown
137	7	2	17	SENW	ND	ND	ND	unknown
138	6	1	18	NENE	ND	ND	ND	Fall River
139	41	60	18	SESE	968658.3552	457463.919	3,729	Lakota
140	9	3	19	SWNW	ND	ND	ND	unknown
142	7	2	35	SENW	ND	ND	ND	Fall River
143	8	1	30	SWSE	ND	ND	ND	Fall River
144	9	3	21	SWNE	ND	ND	ND	unknown
145	8	2	3	SWSE	ND	ND	ND	unknown
146	9	2	21	NENW	ND	ND	ND	unknown
147	6	1	17	NESW	989277.4441	456567.2543	3,729	Lakota
200	7	2	13	NESW	ND	ND	ND	Sundance/Unkpapa
201	7	2	13	NESW	ND	ND	ND	Sundance/Unkpapa
202	7	2	13	NESW	ND	ND	ND	Sundance/Unkpapa
203	7	2	12	SWSW	ND	ND	ND	Sundance/Unkpapa

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 5 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
204	7	2	12	NWSW	ND	ND	ND	Sundance/Unkpapa
205	7	2	12	SWNE	ND	ND	ND	Sundance/Unkpapa
206	7	2	12	SWNE	ND	ND	ND	Sundance/Unkpapa
207	7	2	12	NENE	ND	ND	ND	unknown
208	7	2	2	SWNW	ND	ND	ND	Sundance/Unkpapa
209	7	2	3	NESE	ND	ND	ND	Sundance/Unkpapa
210	7	2	2	SENW	ND	ND	ND	Sundance/Unkpapa
211	7	2	12	NENW	ND	ND	ND	Sundance/Unkpapa
212	8	3	8	NWSE	ND	ND	ND	unknown
213	7	3	20	SWSE	ND	ND	ND	Sundance/Unkpapa
214	7	3	18	SESW	ND	ND	ND	Sundance/Unkpapa
215	6	2	27	SESE	ND	ND	ND	unknown
216	6	2	22	NENE	ND	ND	ND	unknown
220	6	1	19	SENE	986271.136	452335.2311	3,680	unknown
230	7	1	26	SESE	1005735.286	412883.2797	3,514	unknown
270	6	1	19	NW SW	982506.8593	451943.3669	3,659	Other Inyan Kara
401	9	2	1	SWNW	ND	ND	ND	Madison
402	9	2	1	SWNE	ND	ND	ND	Madison
403	9	2	1	NENE	ND	ND	ND	Madison
404	9	2	1	NENE	ND	ND	ND	Madison
405	9	2	1	NENE	ND	ND	ND	Madison
406	8	2	36	NESE	ND	ND	ND	Other Inyan Kara
407	8	3	33	NWSE	ND	ND	ND	Fall River
408	8	2	36	SENE	ND	ND	ND	Fall River
409	8	2	36	SENE	ND	ND	ND	Other Inyan Kara
410	8	3	32	SENW	ND	ND	ND	Lakota
411	8	2	36	NENE	ND	ND	ND	Lakota
412	8	2	27	SWSW	ND	ND	ND	Lakota
413	8	1	30	SENW	ND	ND	ND	Sundance/Unkpapa
414	8	3	27	NWNW	ND	ND	ND	Lakota
415	8	2	27	NESE	ND	ND	ND	Lakota
416	8	3	20	NWSE	ND	ND	ND	Other Inyan Kara
417	8	3	20	NWSE	ND	ND	ND	Fall River
418	8	3	20	SENW	ND	ND	ND	Fall River
419	8	2	23	NWNW	ND	ND	ND	Other Inyan Kara
420	8	3	8	NWSE	ND	ND	ND	Other Inyan Kara

POWERTECH (USA) INC.

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 6 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
421	8	2	8	NWNW	ND	ND	ND	Lakota
422	8	2	6	SWSE	ND	ND	ND	Lakota
423	8	2	3	SESW	ND	ND	ND	Sundance/Unkpapa
424	8	3	6	NWSE	ND	ND	ND	Sundance/Unkpapa
425	7	1	14	SENW	ND	ND	ND	Lakota
427	7	2	2	NWNW	ND	ND	ND	Sundance/Unkpapa
429	6	1	20	SENE	ND	ND	ND	Lakota
431	6	1	20	SENE	ND	ND	ND	Lakota
432	6	1	20	SENE	ND	ND	ND	Lakota
433	6	1	20	SENE	ND	ND	ND	Lakota
436	6	1	20	NWNE	990001.6275	454436.5461	3,737	Fall River
440	7	2	3	SWNE	ND	ND	ND	Sundance/Unkpapa
502	6	1	27	NWSE	ND	ND	ND	Alluvial
503	7	1	23	SESE	ND	ND	ND	Sundance/Unkpapa
504	7	1	25	SESE	ND	ND	ND	Fall River
505	7	1	26	NESW	ND	ND	ND	Lakota
506	7	2	8	SWNW	ND	ND	ND	Sundance/Unkpapa
507	7	2	19	NENW	ND	ND	ND	Lakota
508	7	2	19	SWSE	ND	ND	ND	Lakota
510	7	1	12	SESE	1011331.943	428178.1651	3,759	Lakota
601	8	2	23	NWNW	1033082.719	388749.7413	3,615	Fall River
602	8	2	23	NWNW	1033064.956	388798.1063	3,615	Lakota
603	8	2	23	NWNW	1032509.912	388763.8912	3,619	Fall River
605	7	1	10	SWSE	1000213.323	428484.0565	3,642	Other Inyan Kara
606	7	1	11	SWSW	1002111.841	428609.3226	3,668	Lakota
607	7	1	30	SWNW	980219.4441	416377.6182	3,611	Fall River
608	7	1	30	NWNW	980228.9136	416454.5538	3,610	Lakota
609	6	1	29	NWNE	990133.3233	447808.3157	3,702	Lakota
610	6	1	29	NWNE	989998.0402	447969.5677	3,704	Fall River
611	6	1	20	NWNe	990235.5648	453958.8872	3,731	Lakota
612	6	1	20	NWNE	990155.9068	454134.255	3,732	Lakota
613	6	1	20	NWNE	990523.3586	453775.7939	3,738	Fall River
614	6	1	20	NWNE	990583.8178	453770.1565	3,739	Fuson
615	6	1	20	NWNE	990570.9895	453708.8761	3,738	Lakota
616	6	1	20	SWNE	990534.0726	453142.1358	3,745	Lakota
617	6	1	20	NENW	989427.4846	453586.6258	3,723	Lakota

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 7 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
618	7	1	2	SENE	1006472.742	435906.7583	3,759	unknown
619	7	1	2	NWNW	1003265.119	436729.3703	3,701	Lakota
620	6	1	35	NWNW	1002350.318	443210.0993	3,731	Lakota
621	6	1	27	NWSE	1000329.315	446398.1082	3,717	Alluvial
622	6	1	20	NENE	991174.522	454033.7715	3,747	Fall River
623	6	1	20	NENE	991068.0984	454300.3846	3,750	Lakota
625	41	60	9	SESE	978764.4747	462270.3858	3,816	Fall River
626	41	60	9	SWSE	978610.2151	462329.8362	3,826	Lakota
627	6	1	18	SWNW	983044.3999	458921.5345	3,713	unknown
628	6	1	29	SESE	991052.9337	449402.6524	3,737	Other Inyan Kara
631	6	1	23	SWSW	1002733.997	448993.2386	3,744	Fall River
632	6	1	23	SWNW	1002886.897	453010.3544	3,747	unknown
633	6	1	14	SESW	1004801.912	455118.8232	3,764	unknown
634	6	1	34	NESE	1000900.563	440168.275	3,689	unknown
635	7	1	14	NENW	1004084.632	427130.8303	3,643	Sundance/Unkpapa
636	7	1	11	NESW	1003173.25	429982.3145	3,698	unknown
637	7	1	11	NESE	1006473.976	430320.5883	3,743	unknown
638	7	1	2	NENE	1006668.16	437976.7587	3,791	Fall River
639	7	2	7	SENW	1014103.328	430722.0265	3,771	unknown
640	7	1	12	SESE	1011409.499	427965.0894	3,754	unknown
642	7	1	12	SESE	1011325.121	428042.0134	3,757	unknown
643	7	2	30	SESE	1015635.469	412200.2634	3,575	Lakota
644	7	2	30	SESE	1015632.054	412253.3734	3,575	Fall River
645	7	1	16	NENE	996079.9657	427998.3964	3,609	unknown
646	7	1	15	SWNE	999646.4859	426408.9229	3,611	Fall River
650	7	1	1	SESE	1012338.763	433014.833	3,820	Lakota
651	7	1	14	NWSE	1004407.769	424246.1432	3,600	Lakota
652	7	1	2	NWSE	1004758.754	434742.6477	3,748	Other Inyan Kara
653	7	1	22	NWNE	999078.2979	422487.0492	3,569	unknown
654	6	1	34	NWNE	1000770.962	443410.2383	3,687	Other Inyan Kara
655	6	1	34	NENE	1001852.878	443307.3946	3,719	Other Inyan Kara
656	6	1	31	SENW	982628.247	442000.9299	3,622	unknown
657	6	1	20	NWNE	ND	ND	ND	Lakota
658	7	1	15	SWNE	ND	ND	ND	Lakota
659	7	1	10	SWNE	ND	ND	ND	Fall River
660	7	1	10	SWNE	ND	ND	ND	Lakota

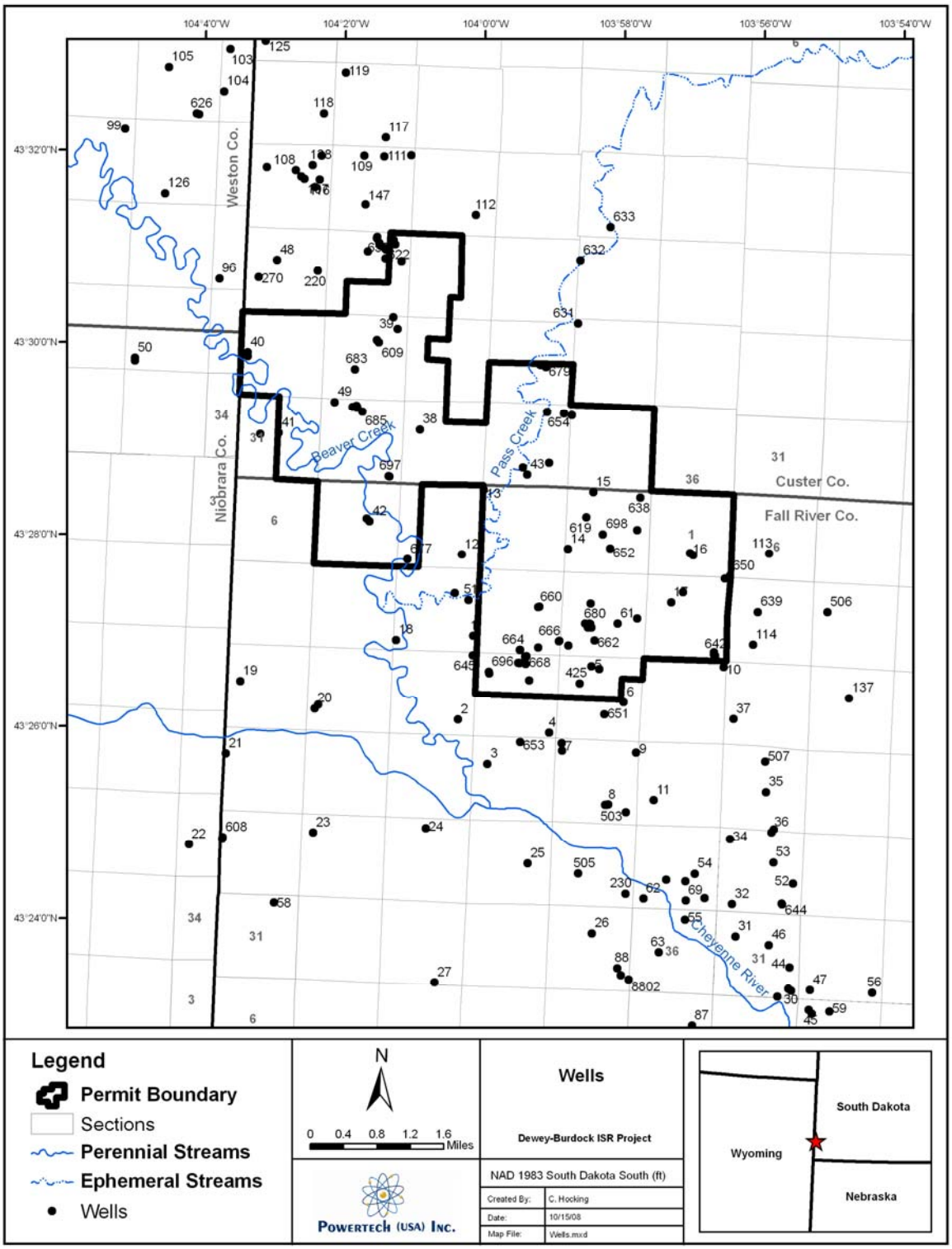
Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 8 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
661	7	1	12	NENW	ND	ND	ND	Lakota
662	7	1	11	SESW	ND	ND	ND	unknown
663	7	1	10	SWSE	ND	ND	ND	Lakota
664	7	1	10	SWSE	ND	ND	ND	Fall River
665	7	1	10	SESE	ND	ND	ND	Fall River
666	7	1	10	SESE	ND	ND	ND	Lakota
668	7	1	15	NWNE	999428.155	427450.3155	3,622	Other Inyan Kara
669	7	1	15	NWNE	ND	ND	ND	Lakota
670	7	1	15	NWNE	ND	ND	ND	Fuson
671	7	1	15	NWNE	ND	ND	ND	Fall River
672	7	1	15	NWNE	ND	ND	ND	Fall River
673	7	1	15	NWNE	ND	ND	ND	Fuson
674	7	1	15	NWNE	ND	ND	ND	Lakota
675	7	2	31	SESE	1015340.264	406352.2188	3,492	Alluvial
676	6	1	34	SESW	999245.0312	439891.6372	3,662	Alluvial
677	7	1	4	SWSW	991925.5409	434077.2303	3,562	Alluvial
678	7	1	9	SWNE	994921.194	431925.7016	3,595	Alluvial
679	6	1	27	NWSE	1000693.36	446245.4324	3,715	Alluvial
680	7	1	11	NESW	1003476.59	429969.0789	3,688	Lakota
681	6	1	32	NWNE	988728.3431	443725.3264	3,624	Fall River
682	7	1	11	SENW	1003535.474	431259.5932	3,720	Lakota
683	6	1	29	NESW	988607.893	446108.0187	3,669	Fall River
684	7	1	11	NESW	1003586.926	429745.8227	3,691	Lakota
685	6	1	32	NWNE	989085.4868	443415.4025	3,626	Fall River
686	7	1	11	NESW	1003365.421	429751.8227	3,694	Lakota
687	6	1	32	NENW	988476.4049	443730.5899	3,626	Fall River
688	7	1	11	NESW	1003425.818	429974.4313	3,687	Fall River
689	6	1	32	NENW	988715.0026	443789.1861	3,626	Lakota
690	7	1	11	NESW	1003512.176	429971.0682	3,700	Sundance/Unkpapa
691	6	1	32	NENW	988764.8084	443706.8807	3,626	Fall River
692	7	1	11	NESW	1003466.908	429999.5069	3,701	Lakota
693	6	1	32	NENW	988727.3316	443667.2062	3,626	Sundance/Unkpapa
694	7	1	15	NWNW	997116.0514	426836.0704	3,600	Fall River
695	6	1	32	SESE	990783.4225	439312.5055	3,594	Fall River
696	7	1	15	NWNW	997086.1856	426946.4439	3,602	Lakota
697	6	1	32	SESE	990748.4216	439347.3562	3,594	Lakota

Table F-1. Locations of All Wells in the Dewey-Burdock Database (Page 9 of 9)

Well I.D.	Legal Location				SD State Plane 1983		Elevation (ft)	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
698	7	1	2	SENW	1004307.778	435651.0652	3,739	Fall River
703	7	1	1	SWSE	1010020.507	434334.3457	3,877	Sundance/Unkpapa
704	7	1	5	SWNE	989364.5045	436647.6682	3,599	Sundance/Unkpapa
2020	7	1	17	NWSW	986286.6643	424857.9008	3,565	unknown
3002	7	2	31	SESE	ND	ND	ND	unknown
3026	7	1	1	SESE	1012037.43	432833.2349	3,822	Lakota
4002	6	1	30	NWSW	981812.8541	446932.2402	3,621	Other Inyan Kara
5002	41	60	28	SWSW	ND	ND	ND	Other Inyan Kara
7002	7	1	23	NWNW	1001731.47	421930.808	3,571	Lakota
8002	7	1	23	SWSE	1004651.515	418556.4148	3,550	Lakota
8003	7	1	23	SWSE	1004520.892	418530.8085	3,543	Other Inyan Kara
8802	7	1	35	SESE	1005923.05	407436.6955	3,554	Fall River
8803	7	1	35	SESE	1005445.181	407730.2169	3,552	unknown

Figure F-1. All Wells in the Dewey-Burdock Database.



POWERTECH (USA) INC.

Table F-2. All Abandoned Wells Near the Dewey-Burdock Uranium ISR Project (Page 1 of 2)

Well I.D	Construction Information					Aquifer	Located in Field	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
5	850	UNK	UNK	5	leaky	Lakota	yes	TVA EIS Report
6	UNK	UNK	UNK	12	little rust	unknown	yes	GPS
15	495	UNK	UNK	4	not good	Lakota	yes	TVA EIS Report
40	UNK	UNK	UNK	UNK	UNK	Inyan Kara	yes	GPS
41	UNK	UNK	UNK	6	UNK	Alluvial	yes	TVA EIS Report
43	350	UNK	UNK	4	cant see under tent	Lakota	yes	TVA EIS Report
44	130	UNK	UNK	UNK	UNK	Fall River	no	TVA Data
88	320	UNK	UNK	UNK	UNK	Fall River	yes	TVA EIS Report
113	UNK	UNK	UNK	UNK	windmill	unknown	yes	GPS
502	46	UNK	UNK	UNK	UNK	Alluvial	no	TVA EIS Report
606	UNK	UNK	UNK	UNK	not good	Lakota	yes	TVA EIS Report
621	50	UNK	UNK	UNK	unknown	Alluvial	yes	TVA EIS Report
632	UNK	UNK	UNK	UNK	unknown	unknown	yes	GPS
634	UNK	UNK	UNK	UNK	no	unknown	yes	GPS
636	UNK	UNK	UNK	7	slightly rusty	unknown	yes	GPS
638	180	UNK	UNK	2	little rusty	Fall River	yes	TVA EIS Report
639	UNK	UNK	UNK	UNK	none visible	unknown	yes	GPS
640	UNK	UNK	UNK	1	good	unknown	yes	GPS
642	UNK	UNK	UNK	5	open bad	unknown	yes	GPS
645	UNK	UNK	UNK	UNK	hand pump	unknown	yes	GPS
651	UNK	UNK	UNK	2	moderate	Lakota	yes	TVA EIS Report
652	280	UNK	UNK	UNK	UNK	Inyan Kara	yes	GPS

Table F-2. All Abandoned Wells Near the Dewey-Burdock Uranium ISR Project (Page 2 of 2)

Well I.D	Construction Information					Aquifer	Located in Field	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
653	UNK	UNK	UNK	UNK	UNK	unknown	yes	GPS
654	UNK	UNK	UNK	8	UNK	Inyan Kara	yes	GPS
655	UNK	UNK	UNK	12	UNK	Inyan Kara	yes	GPS
659	UNK	UNK	UNK	UNK	UNK	Fall River	no	TVA Data
660	UNK	UNK	UNK	UNK	UNK	Lakota	no	TVA Data

Figure F-2. Abandoned Wells in the Dewey-Burdock Database.

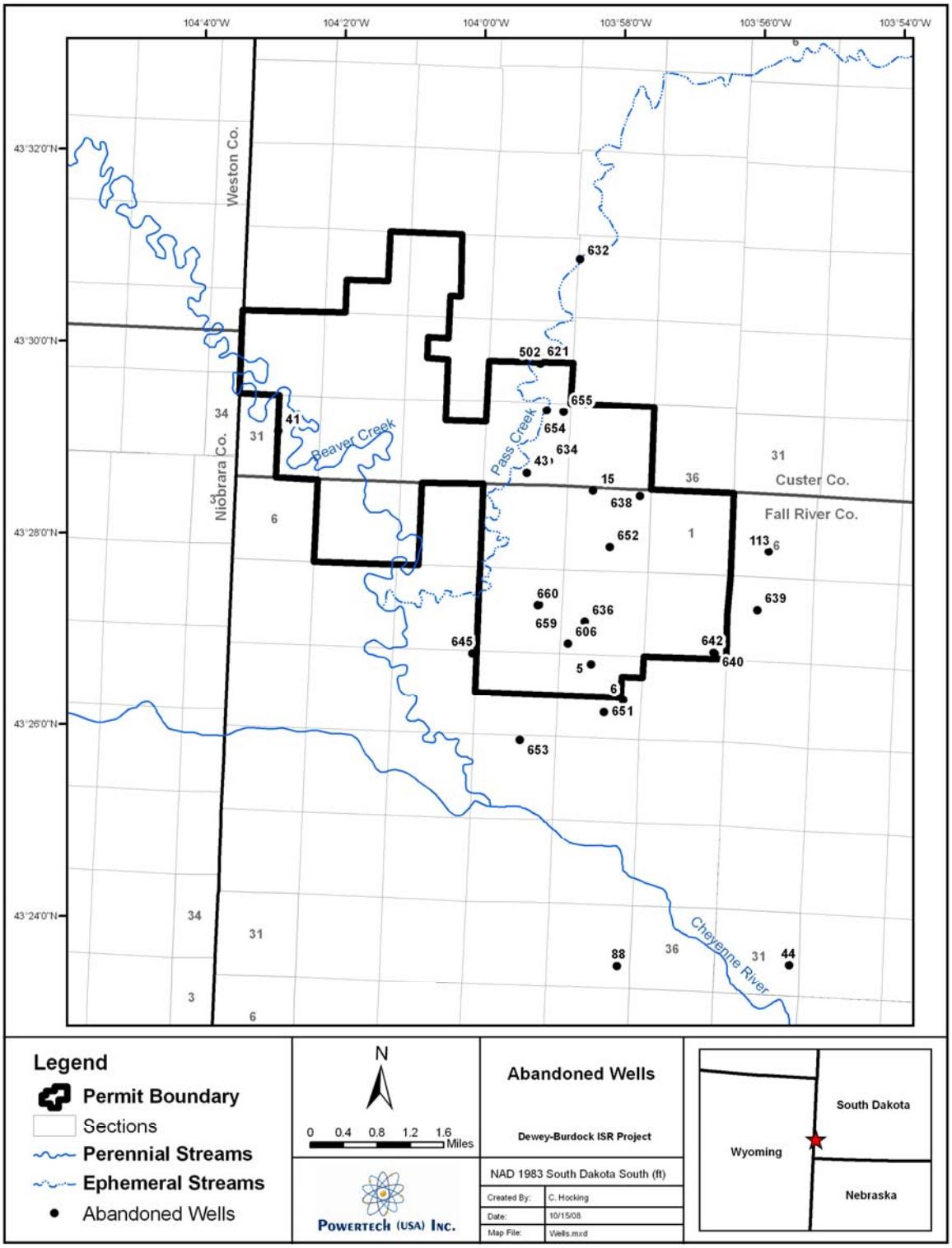


Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 1 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
3	2400	UNK	UNK	4	UNK	Lakota	UNK	TVA EIS Report
9	90	UNK	UNK	6	UNK	Fall River	UNK	TVA EIS Report
10	200	UNK	UNK	UNK	UNK	Lakota	UNK	TVA EIS Report
11	2480	UNK	UNK	UNK	UNK	Sundance/Unkpapa	UNK	TVA EIS Report
19	740	UNK	UNK	UNK	UNK	Fall River	other	TVA EIS Report
22	UNK	UNK	UNK	UNK	UNK	unknown	other	TVA Data
25	350	UNK	UNK	UNK	UNK	Fall River	stock	TVA EIS Report
27	600	UNK	UNK	UNK	UNK	Lakota	other	TVA EIS Report
28	UNK	UNK	UNK	UNK	UNK	unknown	other	TVA Data
29	UNK	UNK	UNK	UNK	UNK	unknown	other	TVA Data
30	UNK	UNK	UNK	UNK	UNK	unknown	other	TVA Data
31	104	UNK	UNK	UNK	UNK	Lakota	other	TVA EIS Report
32	90	UNK	UNK	UNK	UNK	Lakota	other	TVA EIS Report
33	96	UNK	UNK	UNK	UNK	Fall River	other	TVA EIS Report
34	UNK	UNK	UNK	UNK	UNK	unknown	other	TVA Data
35	148	UNK	UNK	UNK	UNK	Lakota	UNK	TVA EIS Report
36	330	UNK	UNK	UNK	UNK	Lakota	UNK	TVA EIS Report
39	UNK	UNK	UNK	50	UNK	unknown	other	TVA Data
44	130	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
45	190	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
46	UNK	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data

POWERTECH (USA) INC.

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 2 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
47	90	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
48	725	UNK	UNK	3	UNK	Lakota	stock	TVA Data
50	609	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
52	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
53	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
54	90	UNK	UNK	UNK	UNK	Fall River	stock	TVA EIS Report
55	92	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
56	300	UNK	UNK	UNK	UNK	Lakota	domestic	TVA Data
57	270	UNK	UNK	UNK	UNK	Lakota	garden	TVA Data
58	UNK	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
59	118	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
60	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
62	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
63	100	UNK	UNK	UNK	UNK	Fall River	stock	TVA EIS Report
64	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
65	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
66	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
67	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
68	230	UNK	UNK	UNK	UNK	Lakota	domestic	TVA Data
69	130	UNK	UNK	UNK	UNK	Fall River	stock	TVA EIS Report
70	375	UNK	UNK	UNK	UNK	Inyan Kara	stock	TVA EIS Report

POWERTECH (USA) INC.

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 3 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
71	UNK	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
72	212	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
73	560	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
74	305	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
75	430	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
76	420	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
77	400	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
78	410	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
79	337	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
80	650	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
81	440	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
82	200	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
83	270	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
84	155	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
85	415	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
86	360	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
87	92	UNK	UNK	UNK	UNK	Fall River	abandoned	TVA EIS Report
89	860	UNK	UNK	UNK	UNK	Lakota	UNK	TVA Data
91	150	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
92	298	UNK	UNK	UNK	UNK	Fall River	domestic	USGS
93	200	UNK	UNK	UNK	UNK	Lakota	domestic	TVA Data
94	UNK	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data

POWERTECH (USA) INC.

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 4 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
95	860	UNK	UNK	UNK	UNK	Fall River	UNK	TVA Data
98	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
99	420	UNK	UNK	UNK	UNK	Lakota	domestic	TVA Data
100	530	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
102	267	UNK	UNK	UNK	UNK	Lakota	domestic	TVA Data
103	350	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
104	UNK	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
105	UNK	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
106	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
107	90	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
108	90	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
109	220	UNK	UNK	UNK	UNK	Lakota	domestic	TVA Data
110	240	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
111	100	UNK	UNK	UNK	UNK	Fall River	other	TVA Data
112	120	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
116	UNK	UNK	UNK	UNK	UNK	Fall River	UNK	TVA Data
117	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
118	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
119	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
120	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
121	430	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
122	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data

POWERTECH (USA) INC.

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 5 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
123	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
124	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
125	132	UNK	UNK	UNK	UNK	Fall River	stock	USGS
126	UNK	UNK	UNK	UNK	UNK	Lakota	domestic	TVA Data
127	UNK	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
131	110	UNK	UNK	UNK	UNK	Fall River	stock	TVA Data
132	300	UNK	UNK	UNK	UNK	Lakota	stock	TVA Data
134	860	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
136	UNK	UNK	UNK	UNK	UNK	unknown	domestic	TVA Data
137	UNK	UNK	UNK	UNK	UNK	unknown	stock	TVA Data
138	100	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
140	UNK	UNK	UNK	UNK	UNK	unknown	domestic	TVA Data
142	280	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
143	1640	UNK	UNK	UNK	UNK	Fall River	domestic	TVA Data
144	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
145	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
146	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
200	108	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	domestic	TVA Data
201	110	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	stock	TVA Data
202	200	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	stock	TVA Data

POWERTECH (USA) INC.

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 6 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
203	200	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	domestic	TVA Data
204	170	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	TVA Data
205	108	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	TVA Data
206	200	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	domestic	TVA Data
207	UNK	UNK	UNK	UNK	UNK	unknown	domestic	TVA Data
208	179	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	stock	TVA Data
209	220	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	USGS
210	125	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	stock	TVA Data
211	170	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	stock	USGS
212	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
213	UNK	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	TVA Data
214	UNK	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	TVA Data
215	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
216	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
401	UNK	UNK	UNK	UNK	UNK	Madison	UNK	USGS

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 7 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
402	2983	UNK	UNK	UNK	UNK	Madison	UNK	USGS
403	2980	UNK	UNK	UNK	UNK	Madison	UNK	USGS
404	2944	UNK	UNK	UNK	UNK	Madison	UNK	USGS
405	UNK	UNK	UNK	UNK	UNK	Madison	UNK	USGS
406	300	UNK	UNK	UNK	UNK	Inyan Kara	UNK	USGS
407	200	UNK	UNK	UNK	UNK	Fall River	UNK	USGS
408	340	UNK	UNK	UNK	UNK	Fall River	UNK	USGS
409	320	UNK	UNK	UNK	UNK	Inyan Kara	UNK	USGS
410	182	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
411	320	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
412	400	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
413	1627	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	USGS
414	500	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
415	410	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
416	400	UNK	UNK	UNK	UNK	Inyan Kara	UNK	USGS
417	160	UNK	UNK	UNK	UNK	Fall River	UNK	USGS
418	160	UNK	UNK	UNK	UNK	Fall River	UNK	USGS
419	630	UNK	UNK	UNK	UNK	Inyan Kara	UNK	USGS

POWERTECH (USA) INC.

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 8 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
420	500	UNK	UNK	UNK	UNK	Inyan Kara	UNK	USGS
421	245	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
422	360	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
423	380	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	USGS
424	240	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	USGS
425	237	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
427	145	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	USGS
429	800	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
431	815	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
432	800	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
433	835	UNK	UNK	UNK	UNK	Lakota	UNK	USGS
440	247	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	USGS
502	46	UNK	UNK	UNK	UNK	Alluvial	UNK	TVA EIS Report
503	1470	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	TVA EIS Report
504	450	UNK	UNK	UNK	UNK	Fall River	UNK	TVA EIS Report
505	260	UNK	UNK	UNK	UNK	Lakota	UNK	TVA EIS Report
506	470	UNK	UNK	UNK	UNK	Sundance/ Unkpapa	UNK	TVA EIS Report

POWERTECH (USA) INC.

Table F-3. Wells Noted in Data Sources but Not Located in Field (Page 9 of 9)

Well I.D	Construction Information					Aquifer	Use Type	Data Origin
	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
507	145	UNK	UNK	UNK	UNK	Lakota	UNK	TVA EIS Report
508	255	UNK	UNK	UNK	UNK	Lakota	UNK	TVA EIS Report
657	UNK	UNK	UNK	UNK	UNK	Lakota	monitor	TVA EIS Report
658	545	UNK	UNK	UNK	UNK	Lakota	monitor	TVA Data
659	UNK	UNK	UNK	UNK	UNK	Fall River	monitor	TVA Data
660	UNK	UNK	UNK	UNK	UNK	Lakota	monitor	TVA Data
661	UNK	UNK	UNK	UNK	UNK	Lakota	monitor	TVA Data
662	UNK	UNK	UNK	UNK	UNK	unknown	monitor	TVA Data
663	550	UNK	UNK	UNK	UNK	Lakota	monitor	TVA Data
664	360	UNK	UNK	UNK	UNK	Fall River	monitor	TVA Data
665	252	UNK	UNK	UNK	UNK	Fall River	monitor	TVA Data
666	441	UNK	UNK	UNK	UNK	Lakota	monitor	TVA Data
669	550	UNK	UNK	UNK	UNK	Lakota	monitor	TVA Data
670	395	UNK	UNK	UNK	UNK	Fuson	monitor	TVA Data
671	350	UNK	UNK	UNK	UNK	Fall River	monitor	TVA Data
672	376	UNK	UNK	UNK	UNK	Fall River	monitor	TVA Data
673	440	UNK	UNK	UNK	UNK	Fuson	monitor	TVA Data
674	570	UNK	UNK	UNK	UNK	Lakota	monitor	TVA Data
3002	UNK	UNK	UNK	UNK	UNK	unknown	UNK	TVA Data
5002	UNK	UNK	UNK	UNK	UNK	Inyan Kara	UNK	TVA Data

Figure F-3. Nonverified Wells
(Wells That Were Not Located at the Site. These Wells May or May Not Still Exist).

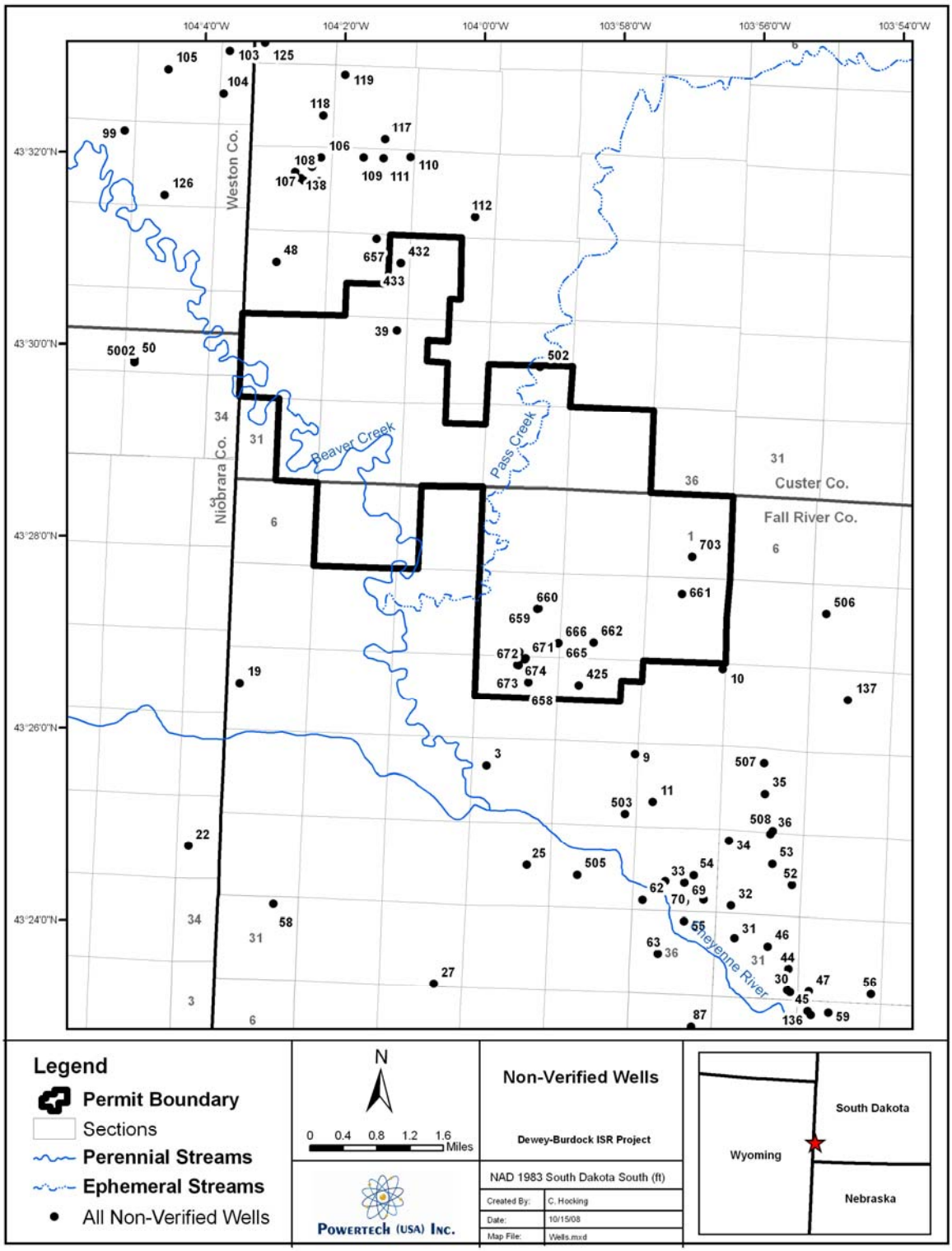


Figure F-4. Wells That Were Field Located and Active (Not Abandoned).

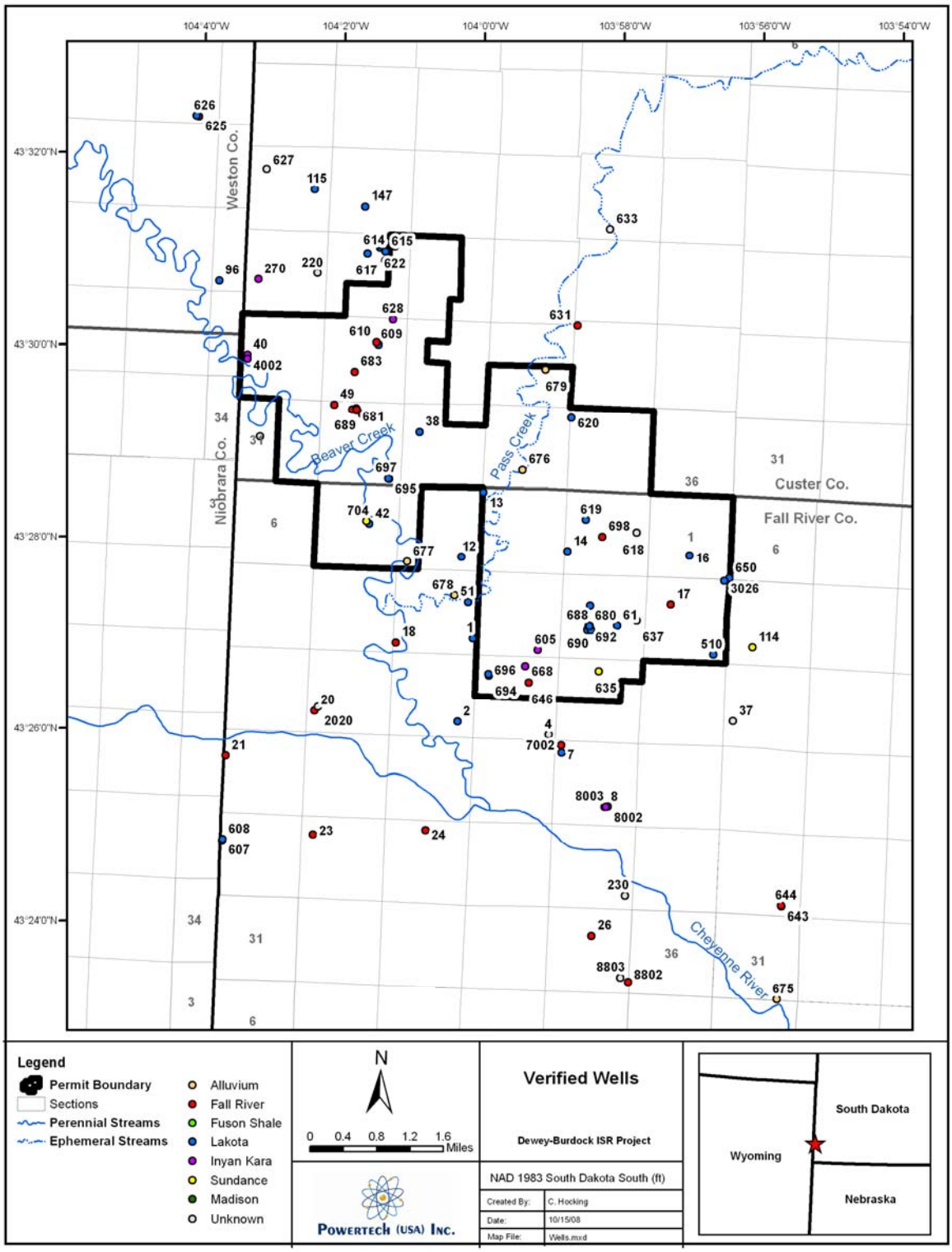


Table F-4. Known Alluvial Wells at the Dewey-Burdock Uranium ISR Project

Well I.D.	Name Other	Construction Information						Use Type	Water-Quality Sampling Frequency	Data Origin
		Date Drilled	Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
675	Alluvial on Cheyenne River at Marietta	9/25/07	14.4	4	14	2	new pvc	monitor	Quarterly	Well Completion Report
676	Alluvial on Pass Creek at old Spencer Ranch	9/26/07	22.5	12	22	2	new pvc	monitor	Quarterly	Well Completion Report
677	Alluvial on Beaver Creek near Putnam	9/25/07	14.5	4	14	2	new pvc	monitor	Quarterly	Well Completion Report
678	Alluvial on Pass Creek downstream of Dewey Rd	9/25/07	14.5	4	14	2	new pvc	monitor	Quarterly	Well Completion Report
679	Alluvial on Pass Creek at Doran Ranch	9/26/07	39	29	39	2	new pvc	monitor	Quarterly	Well Completion Report

Figure F-5. Alluvial Wells Near the Dewey-Burdock Site.

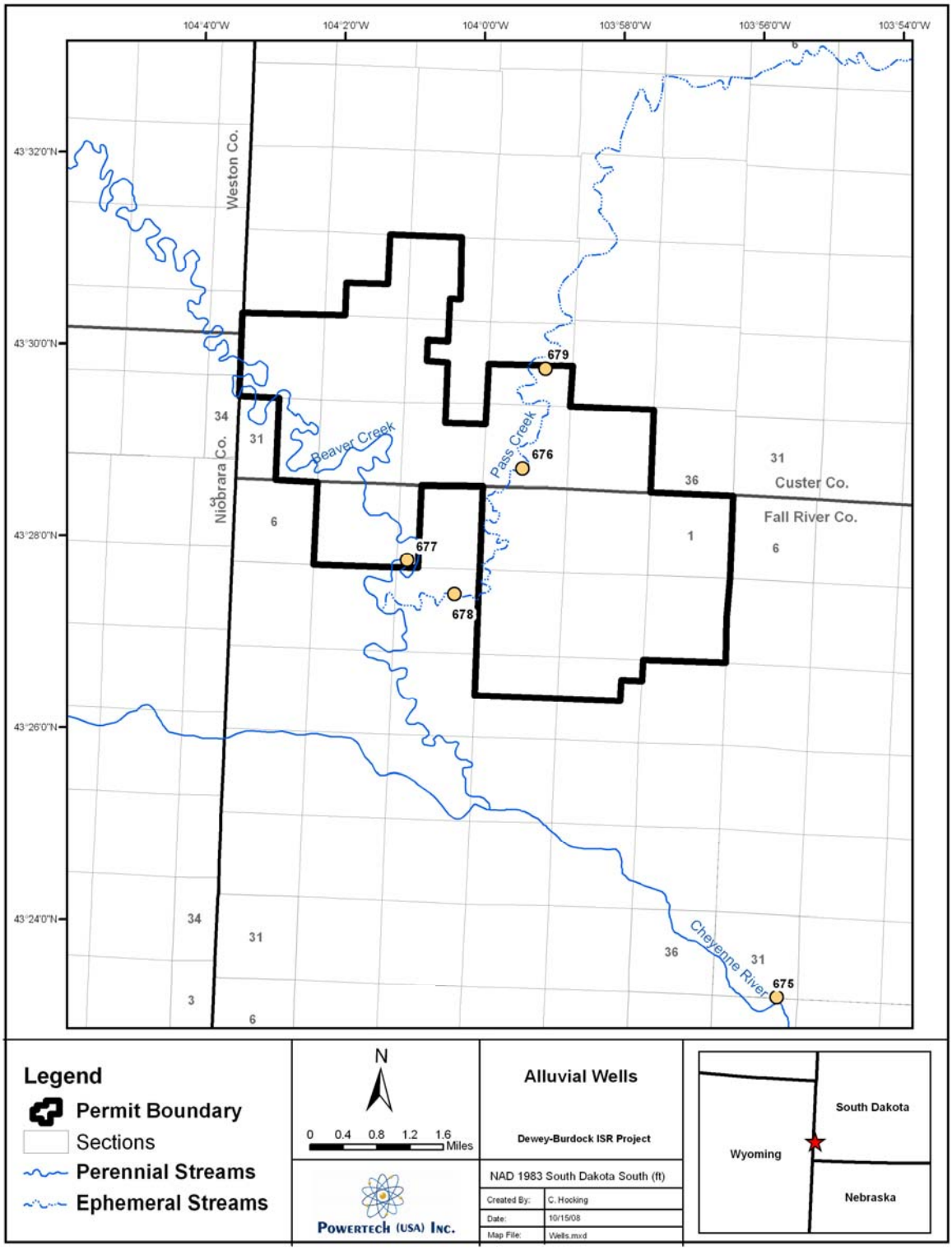


Table F-5. Known Fall River Aquifer Wells at the Dewey-Burdock Uranium ISR Project

Well I.D.	Name Other	Date Drilled	Construction Information					Use Type	Flowing Artesian	Water-Quality Sampling Frequency	Data Origin
			Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)				
7	D-27	UNK	200	UNK	UNK	6	UNK	domestic	UNK	quarterly	TVA EIS Report
8	D-29	UNK	240	UNK	UNK	6	UNK	domestic	yes	quarterly	TVA Data
17	D-13	UNK	156	UNK	UNK	3	little rusty	stock	no	none	Well Completion Report
18	D-10	UNK	527	UNK	UNK	4	UNK	domestic	yes	quarterly	TVA EIS Report
20	D-21	UNK	530	UNK	UNK	UNK	UNK	domestic	UNK	none	TVA EIS Report
21	D-23	UNK	910	UNK	UNK	UNK	UNK	stock	UNK	none	TVA EIS Report
23	D-40	UNK	600	UNK	UNK	UNK	UNK	stock	no	none	TVA EIS Report
24	D-39	UNK	600	UNK	UNK	UNK	UNK	stock	yes	none	TVA EIS Report
26	D-42	UNK	350	UNK	UNK	UNK	UNK	other	no	none	TVA EIS Report
49		UNK	600	UNK	UNK	4	good	stock	yes	water level	TVA Data
436	DPZ-3 FR, 6S 1E20AB2	UNK	590	UNK	UNK	UNK	UNK	monitor	no	none	USGS
601	BPZ 14 FR	6/7/1978	UNK	UNK	UNK	1	okay	monitor	UNK	none	Well Completion Report
603	8S 2E23BBA	UNK	UNK	UNK	UNK	6	UNK	UNK	UNK	none	USGS
607	BPZ 18 FR	UNK	UNK	UNK	UNK	1	okay	monitor	no	water level	TVA Data
610	BPZ 20 FR	6/27/1978	680	630	672	1	good cond capped	monitor	no	water level	Well Completion Report
613	DPZ 1 FR, 6S1E20AD6	8/14/1981	580	504	580	4	okay	monitor	no	water level	Well Completion Report
622	DPZ 4 FR, 6S 1E20AA	8/17/1981	520	503	580	4	okay	monitor	no	monthly	Well Completion Report
625	BPZ 22 FR	UNK	630	UNK	UNK	1	okay	monitor	no	none	TVA Data
631		02/98	80	30	80	5	steel	stock	no	quarterly	Well Completion Report
644	BPZ 16 FR	6/7/1978	UNK	UNK	UNK	1	okay	monitor	no	none	Well Completion Report
646	BPZ-9 FR	UNK	UNK	UNK	UNK	UNK	UNK	monitor	yes	none	GPS
681	DB07-32-3C	1/27/2008	600	585	600	6	new PVC	pump test well	yes	monthly	Well Completion Report
683	DB07-29-7	3/4/2008	650	635	650	4	new	monitor	no	once	Well Completion Report
685	DB07-32-4C	2/4/2008	595	580	595	4	new PVC	monitor	yes	once	Well Completion Report
687	DB07-32-5	2/6/2008	608	590	605	4	new PVC	monitor	yes	once	Well Completion Report
688	DB08-11-17	4/1/2008	255	245	255	6	UNK	monitor	no	monthly	Well Completion Report
691	DB07-32-9C	3/10/2008	505	490	505	6	new pvc	monitor	yes	once	Well Completion Report
694	DB08-15-02	3/22/2008	392	377	392	6	new pvc	monitor	yes	monthly	Well Completion Report
695	DB08-32-13	3/20/2008	508	493	508	6	new pvc	monitor	yes	monthly	Well Completion Report
698	DB08-02-01	3/25/2008	205	180	205	6	new pvc	monitor	no	monthly	Well Completion Report
8802	D-44, 88B	UNK	320	UNK	UNK	UNK	UNK	stock	UNK	none	TVA EIS Report

Figure F-6. Fall River Wells Near the Dewey-Burdock Site.

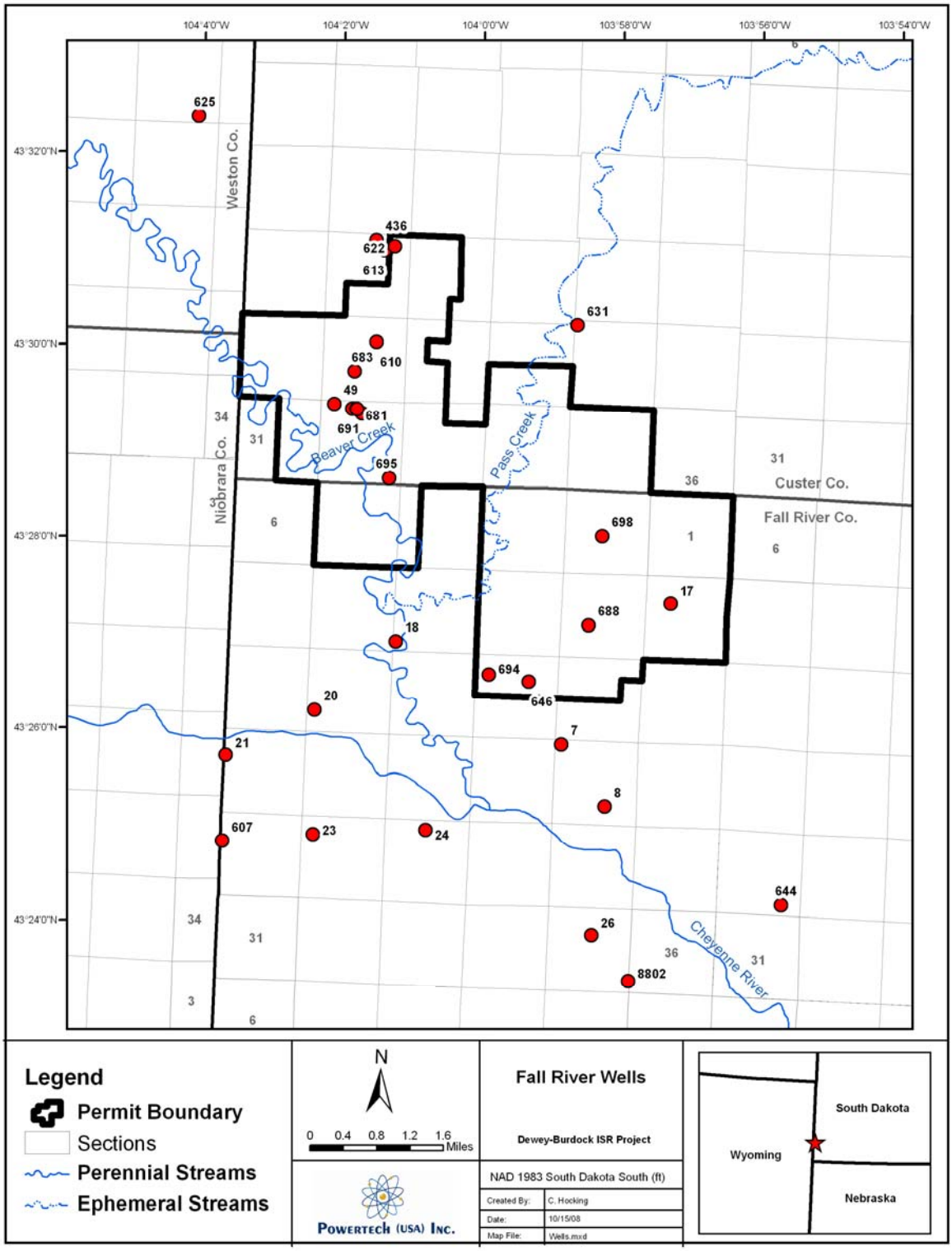


Table F-6. Known Fuson Wells at the Dewey-Burdock Uranium ISR Project

Well I.D.	Name Other	Date Drilled	Construction Information					Use Type	Flowing Artesian	Data Origin
			Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)			
614	DPZ 1 FU, 6S1E20AD2	9/14/81	620	609	620	4	okay	monitor	no	Well Completion Report

Figure F-7. Fuson Wells Near the Dewey-Burdock Site.

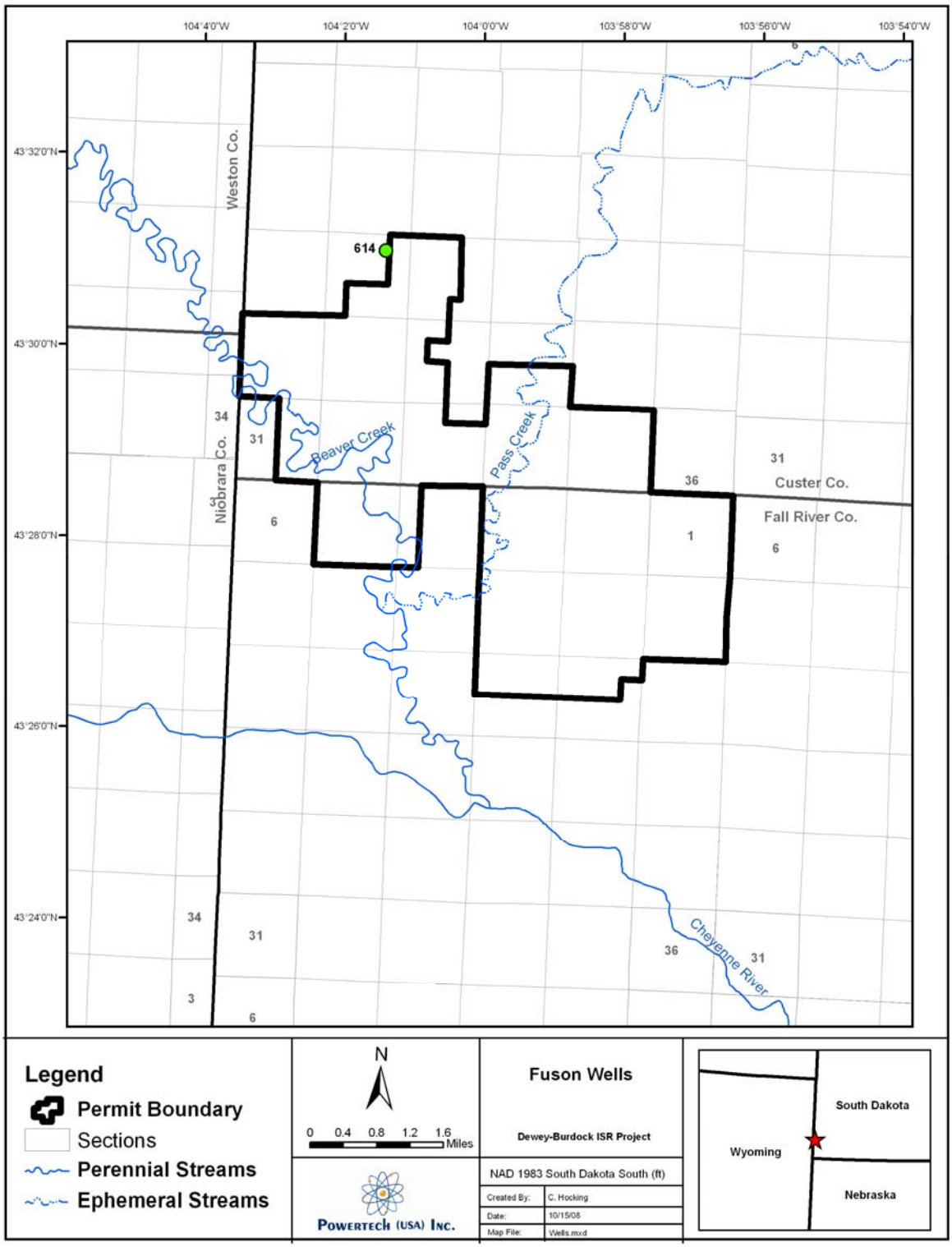


Table F-7. Known Lakota Aquifer Wells at the Dewey-Burdock Uranium ISR Project (Page 1 of 2)

Well I.D.	Name Other	Date Drilled	Construction Information					Use Type	Flowing Artesian	Water-Quality Sampling Frequency	Data Origin
			Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)				
1	D-11	UNK	600	UNK	UNK	4	really rusty	stock	yes	none	TVA EIS Report
2	D-20	11/17/1981	650	566	650	5	UNK	domestic	yes	quarterly	Well Completion Report
12	D-7	UNK	805	UNK	UNK	5	okay ltl rusty	stock	yes	water level	TVA EIS Report
13	D-6	10/22/1980	625	580	625	5	UNK	domestic	no	quarterly	Well Completion Report
14	D-5	UNK	470	UNK	UNK	4	fairly rusty	unknown	no	none	TVA EIS Report
16	D-1	UNK	330	UNK	UNK	5	UNK	domestic	no	quarterly	TVA EIS Report
38	B-4	11/12/1949	494	UNK	UNK	4	slightly rusty	stock	yes	water level	Well Completion Report
42	D-8	UNK	600	UNK	UNK	5	UNK	domestic	yes	quarterly	TVA EIS Report
51	D-9	UNK	550	UNK	UNK	10	UNK	other	yes	none	TVA EIS Report
61	D-12	UNK	525	UNK	UNK	5	UNK	stock	no	none	TVA EIS Report
96		UNK	560	UNK	UNK	5	UNK	domestic	yes	none	TVA Data
115		10/18/1984	UNK	UNK	UNK	UNK	okay	domestic	yes	none	Well Completion Report
135		UNK	360	UNK	UNK	UNK	UNK	domestic	no	none	TVA Data
139		UNK	620	UNK	UNK	UNK	UNK	stock	yes	none	TVA Data
147	DPZ -8 LAK, 6S 1E17CAC	UNK	750	UNK	UNK	1	okay	monitor	no	none	USGS
510	D-14, 7S 1E12DD	6/12/1988	540	300	520	5	PVC	stock	yes	none	Well Completion Report
602	BPZ 14 LAK	6/29/1978	UNK	UNK	UNK	1	okay	monitor	UNK	none	Well Completion Report
608	BPZ 18 LAK	UNK	UNK	UNK	UNK	1	okay	monitor	UNK	water level	TVA Data
609	BPZ 20 LAK, 6S 1E29ABDC	6/26/1978	1000	903	966	4	good capped	monitor	no	water level	Well Completion Report
611	Dewey TVA Pump Well	10/17/1981	815	695	800	UNK	UNK	pump test well	no	none	Well Completion Report
612	DPZ 2 LK, 6S 1E20AB	UNK	UNK	UNK	UNK	4	okay	monitor	no	none	USGS
615	DPZ 1 LK	8/13/1981	800	712	800	4	okay	monitor	no	monthly	Well Completion Report
616	DPZ 5 LK	2/9/1982	795	735	835	4	okay	monitor	no	none	Well Completion Report
617	DPZ 6 LK, 6S 1E20AC	9/15/1981	810	715	810	4	okay	monitor	no	none	Well Completion Report
619	D-4, Daniels West 1, MET	UNK	280	UNK	UNK	4	ok ltl rust	stock	no	quarterly	TVA EIS Report
620	Spencer Mine Well	UNK	UNK	UNK	UNK	UNK	good	stock	no	none	GPS
623	DPZ 4 L, 6S 1E20AA(2)	8/17/1981	765	714	780	4	okay	monitor	no	none	Well Completion Report
626	BPZ 22 LAK	UNK	640	UNK	UNK	4	UNK	UNK	no	none	TVA Data
643	BPZ 16 LAK	6/7/1978	UNK	UNK	UNK	1	okay	monitor	UNK	none	Well Completion Report
650	Daniels Bennet Canyon	UNK	UNK	UNK	UNK	4	rusty	stock	no	quarterly	GPS
680	DB07-11-11C	12/19/2007	436	426	436	6	new PVC	pump test well	no	monthly	Well Completion Report

Table F-7. Known Lakota Aquifer Wells at the Dewey-Burdock Uranium ISR Project (Page 2 of 2)

Well I.D.	Name Other	Date Drilled	Construction Information					Use Type	Flowing Artesian	Water-Quality Sampling Frequency	Data Origin
			Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)				
682	DB07-11-2	2/21/2008	460	450	460	4	new PVC	monitor	no	once	Well Completion Report
684	DB07-11-14C	2/13/2008	423	413	423	4	new pvc	monitor	no	once	Well Completion Report
686	DB07-11-15	2/24/2008	428	418	428	4	new PVC	monitor	no	once	Well Completion Report
689	DB07-32-10,	3/11/2008	730	715	730	6	UNK	monitor	yes	monthly	Well Completion Report
692	DB08-11-19	4/16/2008	327	325	335	6	new pvc	monitor	no	once	Well Completion Report
696	DB08-15-03	3/21/2008	587	572	587	6	new pvc	monitor	yes	monthly	Well Completion Report
697	DB08-32-12	3/18/2008	682	667	682	6	new pvc	monitor	yes	monthly	Well Completion Report
3026	DB08-01-06	3/26/2008	196	166	196	6	new	monitor	no	monthly	Well Completion Report
7002	D-26, 7S	UNK	500	UNK	UNK	6	poor	stock	yes	quarterly	TVA EIS Report
8002	D-28, 8S	UNK	500	UNK	UNK	6	poor	stock	yes	water level	TVA EIS Report

Figure F-8. Lakota Wells Near the Dewey-Burdock Site.

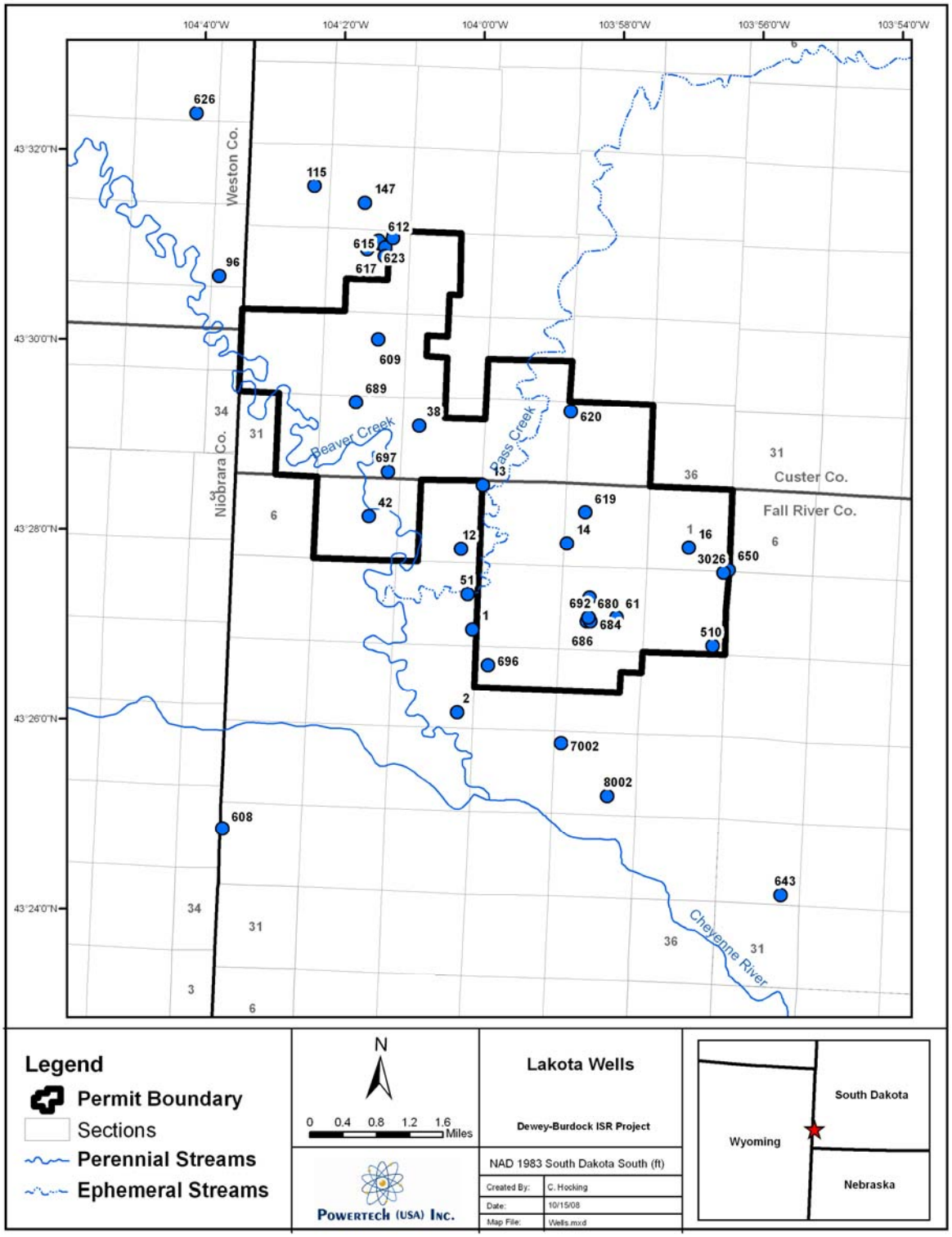


Table F-8. Known Inyan Kara Aquifer Wells at the Dewey-Burdock Uranium ISR Project

Well I.D.	Name Other	Date Drilled	Construction Information					Use Type	Flowing Artesian	Water-Quality Sampling Frequency	Data Origin
			Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)				
40	40S, 6S 1E30CBB	UNK	680	UNK	UNK	6	UNK	none	yes	none	USGS
270		UNK	UNK	UNK	UNK	0	UNK	stock	yes	none	GPS
605		UNK	UNK	UNK	UNK	1	okay	monitor	UNK	none	GPS
628		UNK	UNK	UNK	UNK	UNK	UNK	stock	no	quarterly	GPS
668	TVA Burdock Test Well	1/31/1977	574	280	555	12	UNK	pump test well	yes	water level	Well Completion Report
4002	40	UNK	UNK	UNK	UNK	6	UNK	domestic	yes	quarterly	TVA Data

Figure F-9. Wells Completed in the Inyan Kara Aquifer. These Wells Include Those Screened in Either the Fall River or Lakota Formations or Both.

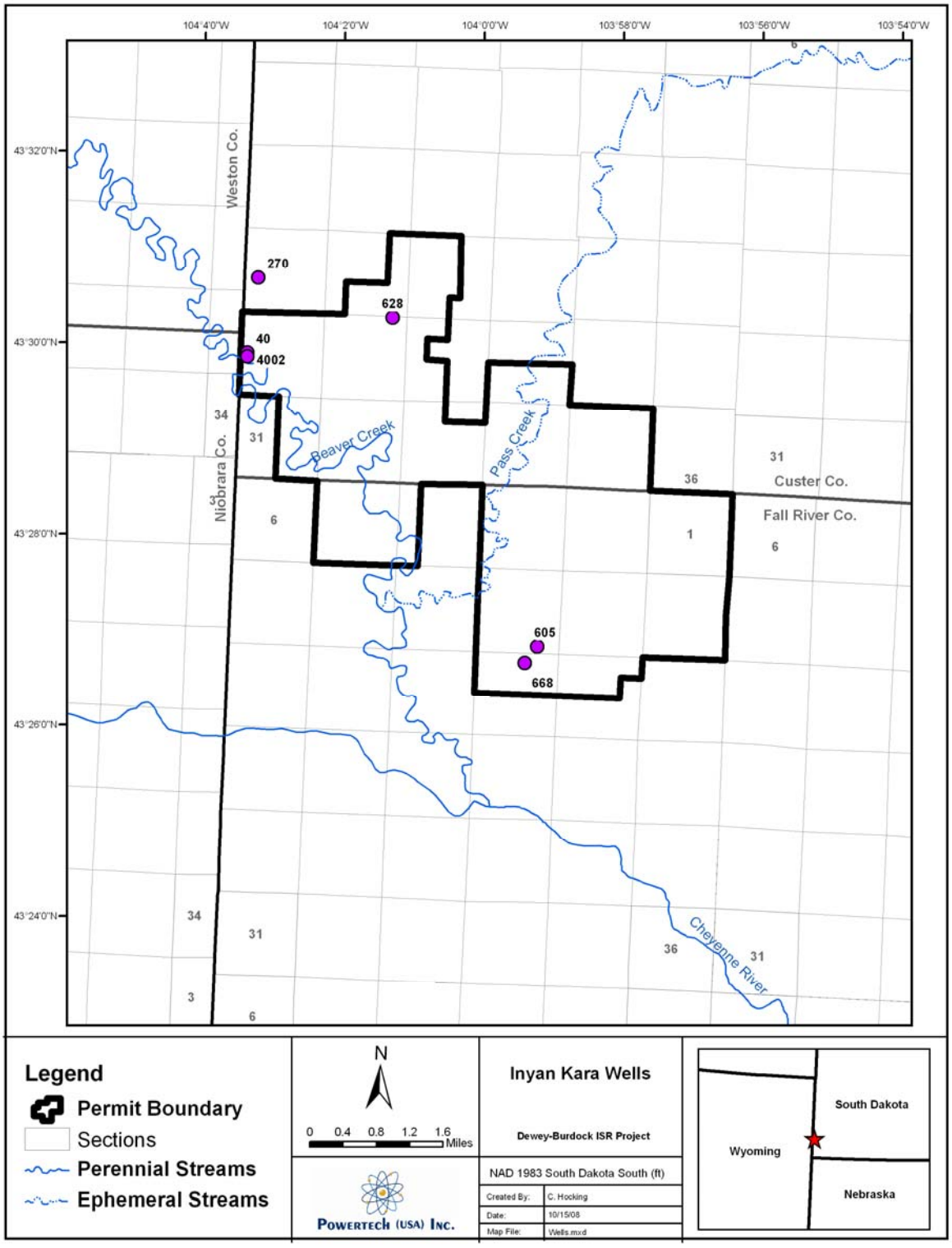


Table F-9. Known Sundance or Unkpapa Aquifer Wells at the Dewey-Burdock Uranium ISR Project

Well I.D.	Name Other	Date Drilled	Construction Information					Use Type	Flowing Artesian	Water-Quality Sampling Frequency	Data Origin
			Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)				
635	7S 1E14BAAC	UNK	880	666	780	6	leaky	stock	yes	quarterly	well completion report
114	E-2	UNK	365	UNK	UNK	UNK	UNK	stock	no	none	TVA EIS Report
690	DB08-11-18	4/15/2008	623	621	631	6	new pvc	monitor	yes	once	well completion report
704	DB08-05-01	4/29/2008	955	915	955	6	new	other	yes	none	well completion report
693	DB07-32-11	3/8/2008	910	910	930	6	new pvc	monitor	yes	once	well completion report
703	DB08-01-07	4/18/2008	525	475	525	6	new	other	no	none	well completion report

Figure F-10. Sundance and Unkpapa Aquifers Near the Dewey-Burdock Site.

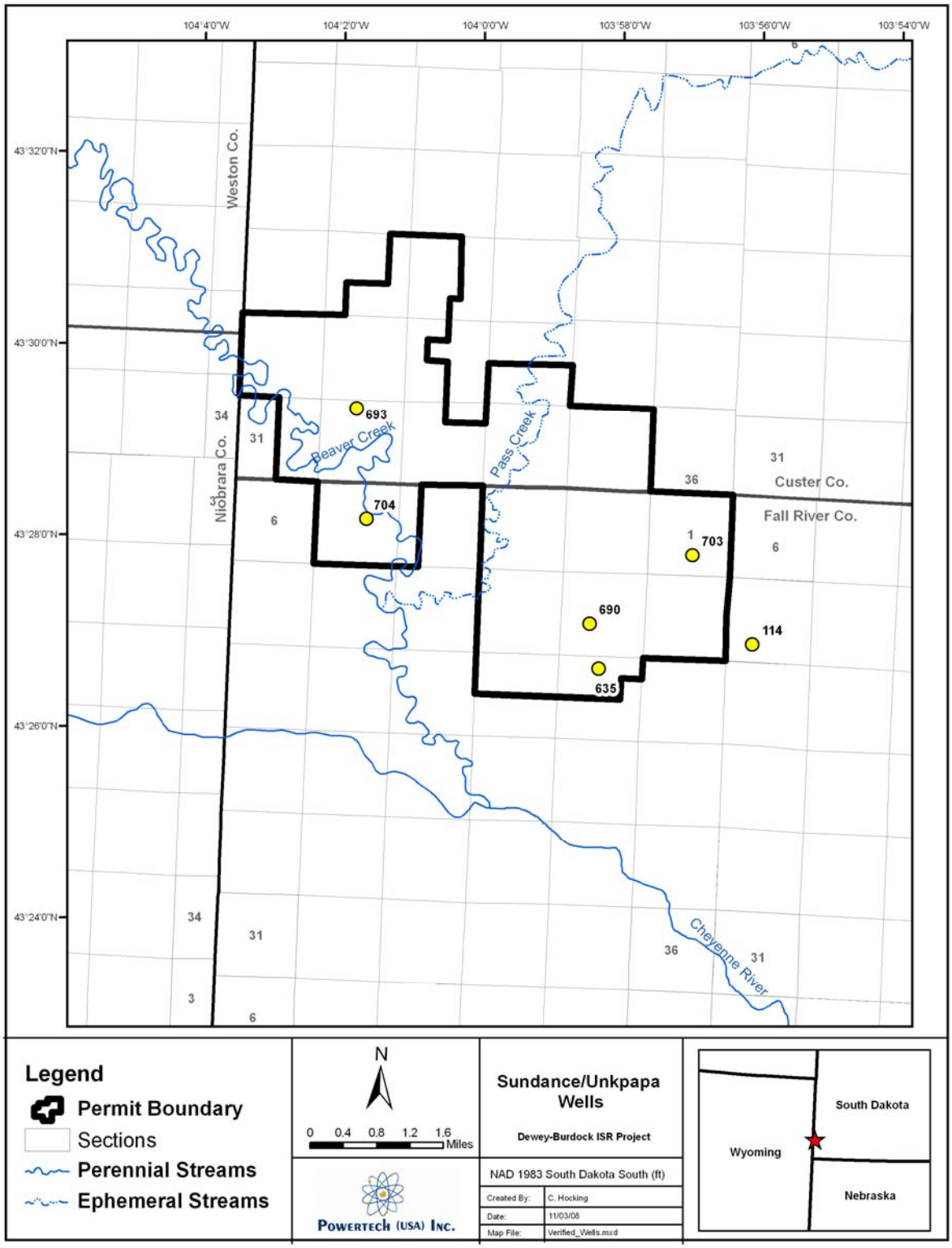
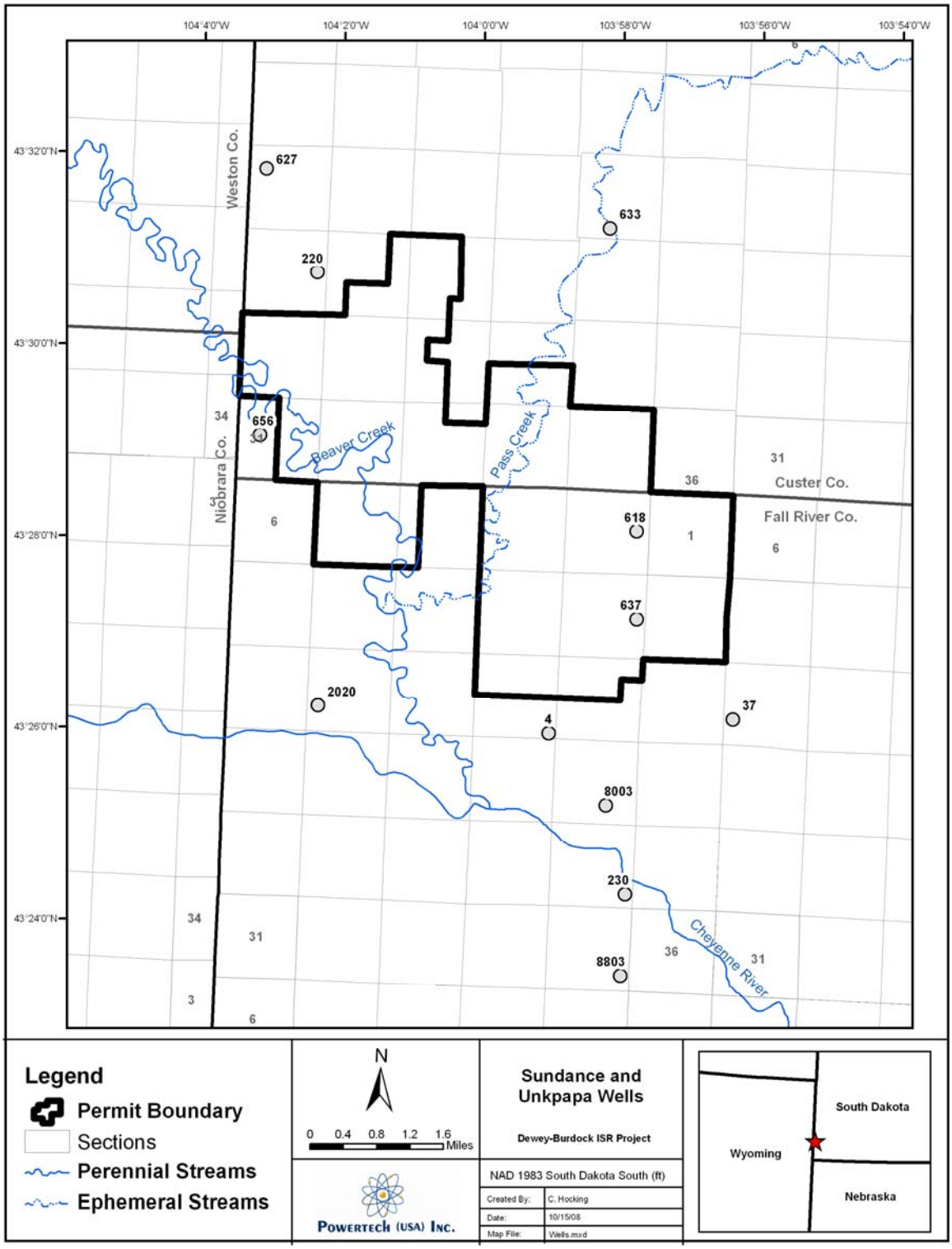


Table F-10. Wells with Unknown Aquifer of Completeness at the Dewey-Burdock Uranium ISR Project

Well I.D.	Name Other	Date Drilled	Construction Information					Use Type	Flowing Artesian	Water-Quality Sampling Frequency	Data Origin
			Depth (ft)	Depth to Top Screen (ft)	Depth to Bottom Screen (ft)	Casing Diameter (in)	Casing Condition (Surface Observation)				
4	D-19	UNK	2264	UNK	UNK	3	rusty leaky	stock	yes	once	TVA EIS Report
37		UNK	UNK	UNK	UNK	1	okay windmill	stock	no	none	TVA EIS Report
90		UNK	UNK	UNK	UNK	UNK	UNK	stock	UNK	none	GPS
220		UNK	UNK	UNK	UNK	UNK	UNK	stock	yes	none	GPS
230		UNK	UNK	UNK	UNK	UNK	UNK	stock	UNK	none	GPS
618		UNK	UNK	UNK	UNK	UNK	UNK	stock	no	none	GPS
627		UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	none	GPS
633	Pass Creek Well 2	UNK	UNK	UNK	UNK	2	okay	stock	no	none	GPS
637	BPZ-5	UNK	UNK	UNK	UNK	2	okay	monitor	no	none	TVA
656		UNK	UNK	UNK	UNK	UNK	UNK	stock	yes	none	GPS
2020	21N	UNK	UNK	UNK	UNK	UNK	UNK	stock	yes	none	GPS
8803	88C	UNK	UNK	UNK	UNK	UNK	UNK	stock	yes	none	GPS

Figure F-11. Wells Completed Within an Unknown Aquifer Near the Dewey-Burdock Site.



POWERTECH WELL COMPLETION REPORTS
(2007–2008)

DB-GW675

Location Marietta

Construction Details

Total Depth	14.4’
Screen Inverval	4.4 – 14.4’
Sand pack	3 – 14.4’
Bentonite	1 – 3’
Cement	0 – 1’

Distance from surface to top of casing 2.5’

Water Level ~9’ below surface

Lithology

0 – 4 ft	fine to med grain sand, tan color, mostly quartz and feldspar, some dark minerals (5%)
4 – 9 ft	poorly sorted, coarse sand, few small pebbles
9 – 12.5 ft	poorly sorted, coarse sand, mostly quartz and feldspar with dark minerals (10%), some pebbles, wet
12.5 -14.4 ft	dark gray, fissile shale

DB-GW677

Location south of Putnam house

Construction Details

Total Depth	14.5’
Screen Inverval	4.5 – 14.5’
Sand pack	3 – 14.5’
Bentonite	1 – 3’
Cement	0 – 1’

Water Level ~9’ below surface

Lithology

0 – 4 ft	med tan, sandy silt
4 – 6 ft	sandy silt
6 – 7.5 ft	cobbles in silty sand, poorly sorted
7.5 – 9 ft	tan, silty sand
9 – 12.5 ft	wet, tan, very fine grained sand
12.5 -14.5 ft	dark gray, fissile shale (Belle Fourche Fm)

DB-GW678

Location along Pass Creek west of Burdock

Construction Details

Total Depth	14.5’
Screen Inverval	4.5 – 14.5’
Sand pack	3 – 14.5’
Bentonite	1 – 3’
Cement	0 – 1’

Water Level ~8’ below surface

Lithology

0 – 9 ft	very fine grained, red, silty sand
9 – 14 ft	dominantly vfg silty sand with 1” beds of med to coarse sand (did not penetrate shale)

4/14-08

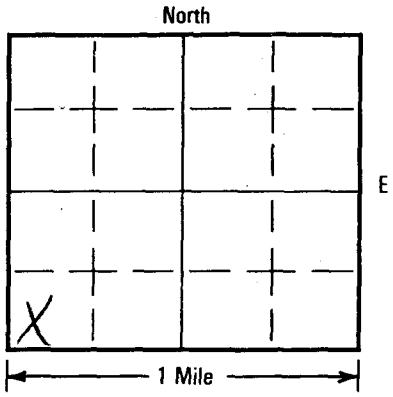
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW ¼ SW ¼ Sec 1 Twp 75 Rg 1E

County Fall River

Please mark well location with an "X"



Well Completion Date 4-18-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Fall River	0	100
Fuson	100	150
Lakota	150	305
Minnelusa	305	410
Unk Papa	410	525

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 200 ft. from Septic Tank (identify source).

PROPOSED USE:

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING: Mud & Rotary

CASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
18 LB/FT	6 IN	0 FT	475 FT	8¾ IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cmt	82	15.3 lb./gal	0 ft.	475 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 50 FEET

Material PVC

Slot Size .020 Set From 475 Feet to 525 Feet

Other information Slt K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" X 3" K Packer

Describe packer(s) and location? Packer set at 465'

DISINFECTION: Was well disinfected upon completion?

YES, How:

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 110 Feet

If flowing: closed in pressure PSI

GPM flow through inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift at 410

☐ Bailed

☐ Other

Pumping Level Below Land Surface

ft. After Hrs. pumped GPM

ft. After Hrs. pumped GPM

If pump installed, pump rate GPM

RECEIVED
MAY 20 2008
WATER RIGHTS PROGRAM

REMARKS DEWEY Burdock

8-1-7

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm David Drilling Inc

Signature of License Representative: Steve Davis

Signature of Well Owner or Equitable Property Holder:

Date: 5/5/08

5-20-08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ NW ¼ Sec 32 Twp 6S Rg 1E

County CUSTER

Please mark well location with an "X"

North

W E

1 Mile

Well Completion Date 1-27-08

Well Owner: Powertech

Business Name: Powertech USA Inc

Address: P.O Box 723

Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	470'
Fall River Sandstone	470'	585'

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING: Mud Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 21 LB/FT	6 IN	0 FT	585 FT	8¾ IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMIT	96	15.2 lb./gal	585 ft.	0 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 600 Feet to 585 Feet

Other information Set K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" K Packer

Describe packer(s) and location? Packer 575'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

✓ NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 6.1 PSI

GPM flow 10 through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? YES

WELL TEST DATA:

☐ Pumped Describe: Air lift at 575'

☐ Bailed

☒ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS Dewey Burdock 7-32-3C

RECEIVED
FEB 22 2008
WATER RIGHTS PROGRAM

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling Inc

Signature of License Representative: Steve Davis

Signature of Well Owner or Equitable Property Holder: PowerTech

Date: 2/12/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location [redacted] ¼ [redacted] ¼ Sec [redacted] Twp 6S Rg 1E
County NE SW 11
Fall River

North

Please mark well location with an "X"

W E

X

1 Mile

Well Completion Date
2-24-08

Well Owner: Power Tech.
Business Name: Power Tech USA Inc
Address: P.O. Box 723
Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Shull Creek Shale	0	120
~~Fuson~~ Fall River SS	120	255
Fuson Shale	255	315
Lakota Sand Stone	315	428

LOCATION:
Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from NONE Present (identify source).

PROPOSED USE:
☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☑ Monitoring well

METHOD OF DRILLING:
Mud Rotary

CASING DATA: ☐ Steel ☑ Plastic ☐ Other
If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SCH 17 LB/FT	4 IN	0 FT	418 FT	6¾ IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	70	15.2 lb./gal	0 ft.	418 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured
Diameter 2 IN Length 10 FEET
Material PVC
Slot Size .020 Set From 418 Feet to 428 Feet
Other information Set K Packer

WAS A PACKER OR SEAL USED? ☑ YES ☐ NO
If so, what material? 4" K Packer
Describe packer(s) and location? Packer 408'

DISINFECTION: Was well disinfected upon completion?
____ YES, How: _____
X NO, Why Not? NA

Laboratory sent to for water quality analysis
Respec

STATIC WATER LEVEL 32.6 Feet
If flowing: closed in pressure _____ PSI
GPM flow _____ through _____ inch pipe
Controlled by ☐ Valve ☐ Reducers ☐ Other _____
Reduced Flowrate _____ GPM
Can well be completely shut in? Yes

WELL TEST DATA:
☐ Pumped Describe: Hydrill at 405'
☐ Bailed
☑ Other
Pumping Level Below Land Surface
_____ ft. After _____ Hrs. pumped _____ GPM
_____ ft. After _____ Hrs. pumped _____ GPM
If pump installed, pump rate _____ GPM

REMARKS
Dewey Burdock 7-11-15

This well was drilled under license # 745
And this report is true and accurate.
Drilling firm DAVIS Drilling Inc
Signature of License Representative: Stan Davis
Signature of Well Owner or Equitable Property Holder: Power Tech
Date: 3/5/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ SW ¼ Sec 11 Twp 7S Rg 1E

County: Fall River

North

W E

X

1 Mile

Please mark well location with an "X"

Well Completion Date: 2-13-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	102'
Fall River Sandstone	102'	238'
Fuson Shale	238'	300'
Lakota Sandstone	300'	423'

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA: ☐ Steel ☑ Plastic ☐ Other

If other describe ____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
R17 LB/FT	4 IN	0 FT	413 FT	6¼ IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	66	15.2 lb./gal	0 ft.	413 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 2 IN Length 10 FEET

Material PVC

Slot Size .020 Set From 423 Feet to 413 Feet

Other information Sch 40 Packer

WAS A PACKER OR SEAL USED? ☑ YES ☐ NO

If so, what material? 4" K Packer

Describe packer(s) and location? Packer 403'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: ____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Pulse

STATIC WATER LEVEL 28.8 Feet

If flowing: closed in pressure ____ PSI

GPM flow ____ through ____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other ____

Reduced Flowrate ____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift at 400

☐ Bailed

☑ Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS Dewey Bordeck 11-14 C

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling Inc

Signature of License Representative: Steve Davis

Signature of Well Owner or Equitable Property Holder: Power Tech

Date: 2/27/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE ¼ NW ¼ Sec 11 Twp 65 Rg 1E

County: Fall River

Please mark well location with an "X"

North

W X E

1 Mile

Well Completion Date: 2-21-08

Well Owner: Power Tech

Business Name: PowerTech USA Inc

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale		

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from NONE PRESENT (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes

☐ Irrigation ☐ Industrial ☐ Institutional ☑ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA: ☐ Steel ☑ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
17 LB/FT	4 IN	0 FT	450 FT	6 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	67	15.4 lb./gal	0 ft.	450 ft.
		lb./gal	ft.	ft.

Describe grouting procedure: Pump

SCREEN: ☐ Perforated pipe ☑ Manufactured

Diameter 2 IN Length 10 FEET

Material PVC

Slot Size .020 Set From 460 Feet to 450 Feet

Other information: Set K Packer

WAS A PACKER OR SEAL USED? ☑ YES ☐ NO

If so, what material? 4" K Packer

Describe packer(s) and location? Packer 440'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

X NO, Why Not? N/A

Laboratory sent to for water quality analysis: Rispens

STATIC WATER LEVEL 54.2 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Hold at 435'

☐ Bailed

☑ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Dewey Burdock

7-11-2

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm: Davis Drilling Inc

Signature of License Representative: Stan Davis

Signature of Well Owner or Equitable Property Holder: Power Tech

Date: 3/5/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW ¼ NW ¼ Sec 5 Twp 7S Rg 1E

County Fall River

Please mark well location with an "X"

North

W E

1 Mile

Well Completion Date 4-29-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek	0	455
Fall River	455	600
Fuson	600	655
Lakota	655	735
Morrison	735	890
UNK PAPPA	890	955

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Mud & Rotary

CASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
14 LB/FT	6 IN	0 FT	915 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	205	13.3 lb./gal	0 ft.	915 ft
		lb./gal	ft.	ft

Describe grouting procedure Mtg Cementing

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3" IN Length 40 FEET

Material PVC

Slot Size .020 Set From 915 Feet to 955 Feet

Other information Set K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 3" x 6" K Packer

Describe packer(s) and location? Packer Set 905

DISINFECTION: Was well disinfected upon completion?

YES, How: _____

NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 42 PSI

GPM flow ½ through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift at 900'

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ ft. _____ hrs. pumped _____ GPM

_____ ft. _____ hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

RECEIVED MAY 20 2008 WATER RIGHTS PROGRAM

RECEIVED MAY 20 2008 WATER RIGHTS PROGRAM

REMARKS

Dewey Burdock

8-5-1

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm David Drilling Inc

Signature of License Representative: Steve Davis

Signature of Well-Owner or Equitable Property Holder:

Date: 5/5/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW ¼ SE ¼ Sec 29 Twp 65 Rg 1E

County

Please mark well location with an "X"

North

W E

X

1 Mile

Well Completion Date

3-8-08

Well Owner: Power Tech

Business Name: Power Tech USA INC

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	530
Fall River S.S	530	650

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from NONE PRESENT (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA: ☐ Steel ☑ Plastic ☐ Other

If other describe ____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	4 IN	0 FT	635 FT	6 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	77	15.2 lb./gal	0 ft.	635 ft.
		lb./gal	ft.	ft.

Describe grouting procedure PUMP

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 2 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 650 Feet to 635 Feet

Other information Set K Packer

WAS A PACKER OR SEAL USED? ☑ YES ☐ NO

If so, what material? 4" K Packer

Describe packer(s) and location? Packer 625'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: ____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 81.9 Feet

If flowing: closed in pressure ____ PSI

GPM flow ____ through ____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other ____

Reduced Flowrate ____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Airlift at 620

☐ Bailed

☑ Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS

Dewey Burdock 7-29-7

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling INC

Signature of License Representative: Stan Davis

Signature of Well Owner or Equitable Property Holder: Power Tech

Date: 3/19/07

07-11-11C

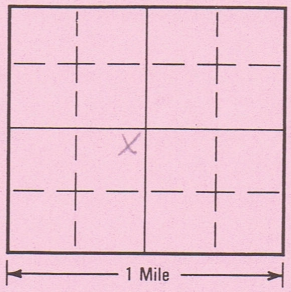
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW ¼ NW ¼ Sec 11 Twp 75 Rg 1E

County Fall River

Please mark well location with an "X"



Well Completion Date 12-19-07

Well Owner: ~~Fuller~~ ~~Robinson~~ Powertech

Business Name: Powertech USA Inc

Address: P.O. Box 723

Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Sh	0'	122'
Fall River SS	122'	250'
Fuson Sh	250'	317'
Lakota SS	317'	436'

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe ____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 21 LB/FT	6 IN	0 FT	426 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	95.5	15.1 lb./gal	426 ft.	0 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 4 1/2 IN Length 10 FEET

Material PVC

Slot Size .025 Set From 436 Feet to 426 Feet

Other information Set With K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" K Packer

Describe packer(s) and location? Packer 406'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: ____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 29 Feet

If flowing: closed in pressure NA PSI

GPM flow ____ through ____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other ____

Reduced Flowrate ____ GPM

Can well be completely shut in? YES

WELL TEST DATA:

☐ Pumped Describe: Airlift at 385

☐ Bailed

☒ Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped 240 cubic Feet GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS Well DB-07-11-11C

lithology attached.

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling Inc

Signature of License Representative: Stan Davis

Signature of Well Owner or Equitable Property Holder: Frank Luhr Powertech (USA) Inc.

Date: 12-31-07

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ NW ¼ Sec 32 Twp 6S Rg 1E

County Custer

Please mark well location with an "X"

North

W E

1 Mile

Well Completion Date 2-6-08

Well Owner: Powertech

Business Name: Powertech USA Inc

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	480'
Fall River Sandstone	480'	605'

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☑ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	4 IN	0 FT	590 FT	6 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	60	15.2 lb./gal	590 ft.	0 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☑ Manufactured

Diameter 2 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 605 Feet to 590 Feet

Other information Slick Packer

WAS A PACKER OR SEAL USED? ☑ YES ☐ NO

If so, what material? 4" Slick Packer

Describe packer(s) and location? Packer 580'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Results

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 3 PSI

GPM flow 5 through 2 inch pipe

Controlled by ☑ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Airlift at 580'

☐ Bailed

☑ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS Dewey Burdock 7-32-5

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling Inc

Signature of License Representative: [signature]

Signature of Well Owner or Equitable Property Holder: [signature] Powertech

Date: 2/27/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ NW ¼ Sec 32 Twp 6S Rg 1E

County Custer

Please mark well location with an "X"

North

W E

1 Mile

Well Completion Date 3-11-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D. 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Shell Creek Shale	0	475
Fall River S.S	475	620
Fuson Shale	620	665
Lakota C.C	665	715

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Found (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes

☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud + Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	715 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	86	15.2 lb./gal	0 ft.	715 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 730 Feet to 715 Feet

Other information Set k Packer

WAS A PACKER OR SEAL USED? ☐ YES ☐ NO

If so, what material? 6" k Packer

Describe packer(s) and location? Packer Set at 705'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

✓ NO, Why Not? NA

Laboratory sent to for water quality analysis

Pumper

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 23.5 PSI

GPM flow 45 through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift at 700

☐ Bailed

☒ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Dewey Burdick

7-32-10

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling Inc

Signature of License Representative: [signature]

Signature of Well Owner or Equitable Property Holder: Power Tech

Date: 3/18/08

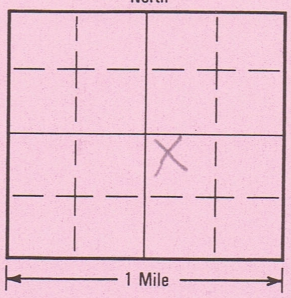
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW ¼ SE ¼ Sec 1 Twp 75 Rg 1E

County Fall River

Please mark well location with an "X"



Well Completion Date 3-26-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D. 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Fall River	0	55
Fuson	55	80
Lakota	80	166

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud + Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe ____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR21 LB/FT	6 IN	0 FT	166 FT	8¾ IN
____ LB/FT	____ IN	____ FT	____ FT	____ IN
____ LB/FT	____ IN	____ FT	____ FT	____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	34	15.2 lb./gal	0 ft.	166 ft.
____	____	____ lb./gal	____ ft.	____ ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 30 FEET

Material PVC

Slot Size .020 Set From 166 Feet to 196 Feet

Other information Set K Packer

WAS A PACKER OR SEAL USED? ☑ YES ☐ NO

If so, what material? 6 x 3" K Packer

Describe packer(s) and location? Packer set at 156

DISINFECTION: Was well disinfected upon completion?

____ YES, How: ____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Respic

STATIC WATER LEVEL 138 Feet

If flowing: closed in pressure ____ PSI

GPM flow ____ through ____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other ____

Reduced Flowrate ____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift at 150'

☐ Bailed

☐ Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS

Dewey Burdock

8-1-6

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling

Signature of License Representative: Steve Davis

Signature of Well Owner or Equitable Property Holder:

Date: 4/22/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW ¼ NE ¼ Sec 2 Twp 75 Rg 1E

County Fall River

Please mark well location with an "X"

North

W X E

1 Mile

Well Completion Date 3-25-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D. 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Shull Creek Shale	0	75
Fall River S.S	75	205

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes

☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud & Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe ____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 21 LB/FT	6 IN	0 FT	180 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cmt	35	15.6 lb./gal	0 ft.	180 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 25 FEET

Material PVC

Slot Size .020 Set From 190 Feet to 205 Feet

Other information Set K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" x 3" K Packer

Describe packer(s) and location? Packer set at 170'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: ____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 34.36 Feet

If flowing: closed in pressure ____ PSI

GPM flow ____ through ____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other ____

Reduced Flowrate ____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Milled air 165

☐ Bailed

☐ Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS Dewey Burdock

8-2-1

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling

Signature of License Representative: Steve Davis

Signature of Well Owner or Equitable Property Holder:

Date: 4/22/08

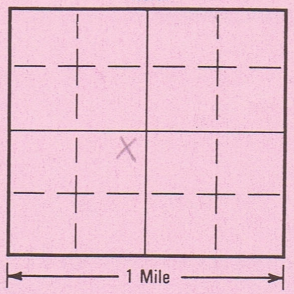
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ SW ¼ Sec 11 Twp 6S Rg 1E

County Fall River

Please mark well location with an "X"



Well Completion Date 4-1-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek	0	128
Fall River	128	255

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud & Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	245 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	45	15.2 lb./gal	0 ft.	245 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 10 FEET

Material PVC

Slot Size .020 Set From 245 Feet to 255 Feet

Other information Sil K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6 x 3" K Packer

Describe packer(s) and location? Packer set at 235

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Rispes

STATIC WATER LEVEL 39 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift at 230'

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Dewey Burdock

8-11-17

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling

Signature of License Representative: Stan Davis

Signature of Well Owner or Equitable Property Holder:

Date: 4/22/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ SW ¼ Sec 11 Twp 65 Rg 1E

County Fall River

Please mark well location with an "X"

North

W E

1 Mile

Well Completion Date

4-15-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek	0	115
Fall River	115	245
Fuson	246	310
Lakota	310	455
Morrison	455	560
UNKPAPA	560	621

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes

☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud + Rotary

CASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
18 LB/FT	6 IN	0 FT	621 FT	8¼ IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cmt	104	15.2 lb./gal	0 ft.	621 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 10 FEET

Material PVC

Slot Size .020 Set From 621 Feet to 631 Feet

Other information Slt K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" x 3" K Packer

Describe packer(s) and location? Packer set at 611

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

____ NO, Why Not? NA

Laboratory sent to for water quality analysis

Respro

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 1 PSI

GPM flow ¼ through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Airlift at 605

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS DEWEY Burdock

8-11-18

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling

Signature of License Representative: Steve Davis

Signature of Well Owner or Equitable Property Holder:

Date: 5/5/08

4-14-08

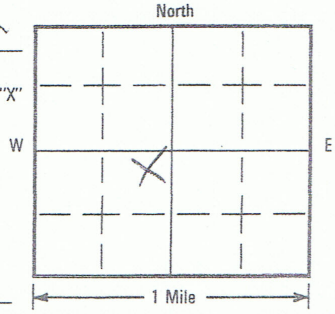
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ SW ¼ Sec 11 Twp 65 Rg 1E

County Fall River

Please mark well location with an "X"



Well Completion Date 4-16-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek	0	125
Fall River	125	250
Fuson	250	325
Lakota	325	335

LOCATION:
Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from NONE Present (identify source).

PROPOSED USE:
☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:
mud & Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other
If other describe ____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	325 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	58	15.2 lb./gal	0 ft.	325 ft
		lb./gal	ft.	ft

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured
Diameter 3 IN Length 10 FEET
Material PVC
Slot Size .020 Set From 325 Feet to 335 Feet
Other information SET K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO
If so, what material? 6" X 3" K Packer
Describe packer(s) and location? Packer Set AT 315

DISINFECTION: Was well disinfected upon completion?
____ YES, How: ____
X NO, Why Not? NA

Laboratory sent to for water quality analysis
Prospect

STATIC WATER LEVEL 39.6 Feet
If flowing: closed in pressure ____ PSI
GPM flow ____ through ____ inch pipe
Controlled by ☐ Valve ☐ Reducers ☐ Other ____
Reduced Flowrate ____ GPM
Can well be completely shut in? Yes

WELL TEST DATA:
☐ Pumped Describe: Airlift AT 310
☐ Bailed
☐ Other
Pumping Level Below Land Surface
____ ft. After ____ Hrs. pumped ____ GPM
____ ft. After ____ Hrs. pumped ____ GPM
If pump installed, pump rate ____ GPM

REMARKS
DEWEY Burdock
8-11-19

This well was drilled under license # 745
And this report is true and accurate.
Drilling firm Davis Drilling
Signature of License Representative: Stan Davis
Signature of Well Owner or Equitable Property Holder:
Date: 5/5/08

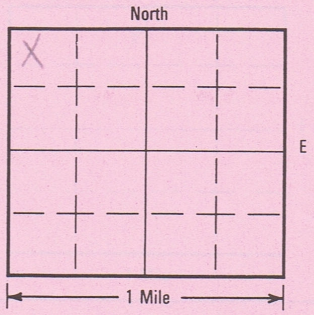
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW ¼ NW ¼ Sec 15 Twp 75 Rg 1E

County Fall River

Please mark well location with an "X"



Well Completion Date

3-21-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	295
Fall River S.S	295	425
Fuson Shale	425	475
Lakota	475	587

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud & Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	572 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cmt	86	15.1 lb./gal	0 ft.	572 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 572 Feet to 587 Feet

Other information Set W/ Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" X 4" W Packer 4" X 3" bell

Describe packer(s) and location? Packer set at 562'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 15 PSI

GPM flow 60 through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Airlift AT 560

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS Dewey Burdock

8-15-2

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling

Signature of License Representative: Sla Davis

Signature of Well Owner or Equitable Property Holder: [signature]

Date: 4-1-08

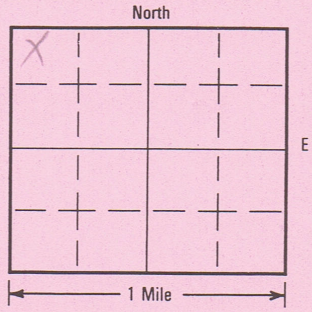
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW ¼ NW ¼ Sec 15 Twp 7S Rg 1E

County Fall River

Please mark well location with an "X"



Well Completion Date 3-22-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723
Hot Springs S.D 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	295
Fall River S.S.	295	392

LOCATION:
Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:
☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:
Mud + Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other
If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	377 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	59	15.2 lb./gal	0 ft.	377 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured
Diameter 3 IN Length 15 FEET
Material PVC
Slot Size .020 Set From 377 Feet to 392 Feet
Other information Slot K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO
If so, what material? 6" x 4" N Packer 4" x 3" Bell
Describe packer(s) and location? Packer Set at 367'

DISINFECTION: Was well disinfected upon completion?
____ YES, How: _____
X NO, Why Not? NA

Laboratory sent to for water quality analysis
Kuspa

STATIC WATER LEVEL 0 Feet
If flowing: closed in pressure 7 PSI
GPM flow 2 through 2 inch pipe
Controlled by ☒ Valve ☐ Reducers ☐ Other _____
Reduced Flowrate _____ GPM
Can well be completely shut in? Yes

WELL TEST DATA:
☐ Pumped Describe: Air lift at 360'
☐ Bailed
☐ Other
Pumping Level Below Land Surface
_____ ft. After _____ Hrs. pumped _____ GPM
_____ ft. After _____ Hrs. pumped _____ GPM
If pump installed, pump rate _____ GPM

REMARKS Dewit Burdock
8-15-3

This well was drilled under license # 745
And this report is true and accurate.
Drilling firm Davis Drilling
Signature of License Representative: Steve Davis
Signature of Well Owner or Equitable Property Holder: Dan Ishy
Date: 4-1-08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW ¼ NE ¼ Sec 32 Twp 6S Rg 1E

County Custer

Please mark well location with an "X"

North

W E

1 Mile

Well Completion Date 2-4-08

Well Owner: Powertech

Business Name: Powertech USA Inc

Address: P.O. Box 723

Hot Springs SD. 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	473'
Fall River Sandstone	473'	595'

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from NONE Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes

☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING: Mud Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe ____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	4 IN	595 FT	580 FT	6 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	77	15.2 lb./gal	0 ft.	580 ft.
		lb./gal	ft.	ft.

Describe grouting procedure pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 2 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 595 Feet to 580 Feet

Other information Set K Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 4" K Packer

Describe packer(s) and location? Packer 570'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: ____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Reliper

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 6 PSI

GPM flow 15 through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other ____

Reduced Flowrate ____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift @ 570'

☐ Bailed

☐ Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS Dewey Burdock 32-4C

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling Inc

Signature of License Representative: [signature]

Signature of Well Owner or Equitable Property Holder: [signature] PowerTech

Date: 2/27/08

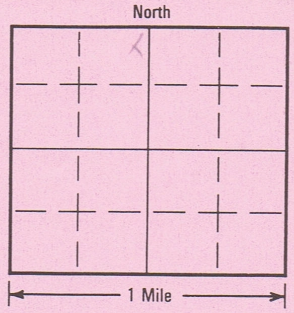
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location WL ¼ NW ¼ Sec 32 Twp 65 Rg 1[illegible]

County Custer

Please mark well location with an "X"



Well Completion Date 3-10-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	475
Fall River Sd	475	505

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	490 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cmt	107	15.7 lb./gal	0 ft.	490 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 490 Feet to 505 Feet

Other information Sit k Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" k Packer

Describe packer(s) and location? Packer set at 480'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

X NO, Why Not? N A

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 6.5 PSI

GPM flow 6 through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Bailed 10' 475'

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Dewey Burdock
8-32-9c

This well was drilled under license # 7415

And this report is true and accurate.

Drilling firm Davis Drilling Inc

Signature of License Representative: [illegible] Davis

Signature of Well Owner or Equitable Property Holder: PowerTech

Date: 3/27/08

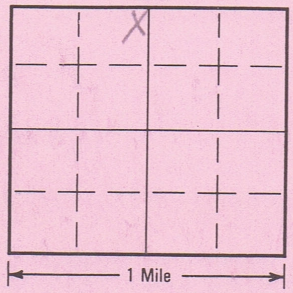
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE ¼ NW ¼ Sec 32 Twp 6S Rg 1E

County: Custer

Please mark well location with an "X"



Well Completion Date: 3-8-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs S.D. 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Shell Creek Shale	0	475
Fall River S.S	475	620
Fuson Shale	620	670
Lakota S.S	670	765
Morrison Shale	765	865
UNKPAPA S.S	865	910

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA: ☒ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
18 LB/FT	6 IN	0 FT	910 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	219	15.7 lb./gal	0 ft.	910 ft.
		lb./gal	ft.	ft.

Describe grouting procedure: Pump M&S cement

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 20' FEET

Material PVC

Slot Size .020 Set From 910 Feet to 930 Feet

Other information: Set w/ Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" w/ Packer

Describe packer(s) and location? Packer set 890'

DISINFECTION: Was well disinfected upon completion?

_____ YES, How: _____

X NO, Why Not? NA

Laboratory sent to for water quality analysis: Respec

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 55 PSI

GPM flow 2 through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Drill ST 885'

☐ Bailed

☒ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Dewey Burdock 8-32-11

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm: Davis Drilling Inc

Signature of License Representative: Sly Davis

Signature of Well Owner or Equitable Property Holder: PowerTech

Date: 3/12/08

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW ¼ SE ¼ Sec 32 Twp 6S Rg 1E

County: Custer

Please mark well location with an "X"

North / W / E / 1 Mile

Well Completion Date: 3-18-08

LOCATION:
Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:
☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:
Mud & Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other
If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	667 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cmt	112	13.6 lb./gal	0 ft.	667 ft.
		lb./gal	ft.	ft.

Describe grouting procedure: Pump, Bad Mix, Cellophane

SCREEN: ☐ Perforated pipe ☒ Manufactured
Diameter 3 IN Length 15 FEET
Material PVC
Slot Size .020 Set From 667 Feet to 682 Feet
Other information: Set w Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO
If so, what material? 6 x 4" h Packer 4 x 3" bell
Describe packer(s) and location? Packer set at 657

DISINFECTION: Was well disinfected upon completion?
____ YES, How: _____
X NO, Why Not? NA

Laboratory sent to for water quality analysis: Rapid

Well Owner: Power Tech
Business Name: Power Tech USA Inc
Address: P.O. Box 723
Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Skull Creek Shale	0	415
~~Fusen~~ Fall River	415	550
Fusen Shale	550	635
Lakota S.S.	635	682

STATIC WATER LEVEL 0 Feet
If flowing: closed in pressure 40 PSI
GPM flow 30 through 2 inch pipe
Controlled by ☒ Valve ☐ Reducers ☐ Other _____
Reduced Flowrate _____ GPM
Can well be completely shut in? Yes

WELL TEST DATA:
☐ Pumped Describe: Airlift at 650'
☐ Bailed
☐ Other

Pumping Level Below Land Surface
_____ ft. After _____ Hrs. pumped _____ GPM
_____ ft. After _____ Hrs. pumped _____ GPM
If pump installed, pump rate _____ GPM

REMARKS
Dewey Burdock
8-32-12

This well was drilled under license # 745
And this report is true and accurate.
Drilling firm: Davis Drilling Inc
Signature of License Representative: S/A Davis
Signature of Well Owner or Equitable Property Holder: [signature]
Date: 4-1-08

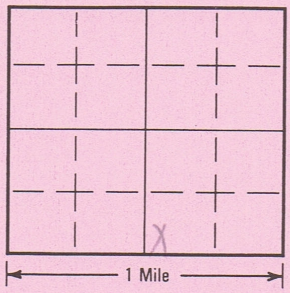
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW ¼ SE ¼ Sec 32 Twp 65 Rg 1E

County Custer

Please mark well location with an "X"



Well Completion Date 3-20-08

Well Owner: Power Tech

Business Name: Power Tech USA Inc

Address: P.O. Box 723

Hot Springs SD 57747

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Shell Creek Shale	0	415
Fall River S.S	415	508

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from None Present (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☒ Monitoring well

METHOD OF DRILLING:

Mud & Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SDR 17 LB/FT	6 IN	0 FT	493 FT	8 3/4 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CMT	106.4	15.1 lb./gal	0 ft.	493 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Pump

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 3 IN Length 15 FEET

Material PVC

Slot Size .020 Set From 493 Feet to 508 Feet

Other information Set K. Packer

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 6" x 4" K-Packer 4" x 3" bell

Describe packer(s) and location? Packer Set at 493'

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

X NO, Why Not? NA

Laboratory sent to for water quality analysis

Respec

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 13 PSI

GPM flow 3 through 2 inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate / GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe: Air lift at 480'

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Dewey Burdock

8-32-13

This well was drilled under license # 745

And this report is true and accurate.

Drilling firm Davis Drilling

Signature of License Representative: Steve Davis

Signature of Well Owner or Equitable Property Holder: [signature]

Date: 4-1-08

SOUTH DAKOTA STATE WELL LOGS
NEAR DEWEY-BURDOCK

6-1-20

NOTICE OF WELL CONSTRUCTION

Custer

) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 8-13-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-435	Blk sh
435-505	Intbd gy clst, ss
505-525	Lt tn & brn ss
525-550	IB gy clst-ss
550-590	IB rd brn & gy sltst & clst
590-600	Rd & brn ss
600-620	IB gy-gn & rd-brn sltst & clst
620-645	Gy-wht sltst
645-685	IB gy-wht sltst & pk sltst
685-695	Pk & brn ss w/gy clst
695-800	Brn, orng, tn, pk, rd & yw ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 712 ft.

Depth to static water level 39.7 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 800 ft.

Depth to bottom of casing 712 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 712-800

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

- On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46:4, MINIMUM WELL CONSTRUCTION STANDARDS.
- Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____

Name of Pump Installation Contractor

DEC 1981
DIVISION OF
WATER RIGHTS
Pierre, SD

NOTICE OF WELL CONSTRUCTION

Fall River

Custer

) WELL CONSTRUCTION

Location of well: NW 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 8-18-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-430	Blk sh
430-495	lB gy clst & ss
495-520	ln & brn ss
520-530	Gy & brn-gy clst
530-545	Rd-brn & tn ss
545-565	Rd-ppl clst
565-590	Pk, tn & brn ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 505 ft.

Depth to static water level 21.0 ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 590 ft.

Depth to bottom of casing 505 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 505-590

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.40B of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____.

_____
Name of Pump Installation Contractor

DEC 1981
DIVISION OF
WATER RIGHTS
Pierre, SD

6-1-20

NOTICE OF WELL CONSTRUCTION

~~Fall River~~ Custer

(1) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 10-17-81 Purpose of well Test
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-440	Dk brn-gy shale
440-500	Gy & brn mudstone
500-520	Lt red sandstone
520-565	Dk brn & gy-gn mdst
565-600	Red sandstone
600-625	Dk brn mdst-sltst
625-645	Dk brn mdst
645-690	Gy & brn mdst w/int'd rd sltst
690-725	Red ss w/orng cht
725-755	Red sltst
755-800	Red ss w/wht, orng & gy chert pbl cgl

Attach sheet if more space is needed

Depth to top of water producing aquifer 694 ft.

Depth to static water level 34.2 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 815 ft.

Depth to bottom of casing 694 ft.

Casing information: In the space below show kind, size, weight, length per diameter, etc., for production casing and surface casing, if used.

0-25' 20" steel
0-695 10 3/4" steel
730-755 8 5/8" steel

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

695-730 8 5/8" Johnson Well
755-800 .030 Screen slot galvanized

If a flowing well, flow of completed well NA G.P.M.

Forward Drilling Company
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump Pioneer 6" HP 50

Type of pump Submersible Capacity of installed pump 325 G.P.M.

Depth of pump placement 525 ft., Date of pump installation 12-2-81

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed 525 ft., tube diameter 3/4" tube material poly.

DEC 1981
DIVISION OF WATER RIGHTS
Pierre, SD

Great West Pump, Inc.
Name of Pump Installation Contractor

6-1-20

NOTICE OF WELL CONSTRUCTION

~~Fall River~~ Custer

(1) WELL CONSTRUCTION

Location of well: SW 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority (Name) (Address)

Date well drilling completed 9-15-81 Purpose of well Observation (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-450	Blk sh
450-520	lB gy clst & ss
520-555	Rd-brn & gy clst w/gy ss
555-570	Rd & brn ss
570-625	lB gy sltst & gy, gn & rd clst
625-655	Gy ss
655-740	lB gy slst w/gy-gn & brn clst
740-810	Tn, yw & rd-brn ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 715 ft.

Depth to static water level 21.4 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 810 ft.

Depth to bottom of casing 715 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 715-810

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.6, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____

tube material _____.

_____

Name of Pump Installation Contractor

DEC 1981
DIVISION OF WATER RIGHTS

DWM-55

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range R1

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 9-15-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-465	Blk sh
465-530	lB gy clst & ss
530-550	Rd & yw-brn ss
550-605	lB gn sltst & gn-gy clst
605-645	Gy clst w/gy-wht sltst
645-680	Gy ss
680-720	Gy w/gn clst
720-760	lB rd & yw-brn ss, gy sltst & rd-brn & brngy clst
760-835	Tn ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 735 ft.

Depth to static water level 45.8 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 835 ft.

Depth to bottom of casing 735 ft.

Casing information: in the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: in the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 735-835

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1981 OF RIGHTS

~~Fall River~~ Custer

DWM-50

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: NE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 8-17-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-420	Blk sh
420-490	lB gy clst & ss
490-585	lB gy, pk & orng sltsl & rd-brn & gn clst
585-615	Gy-gn & rd-brn clst
615-650	Gy-wht sltst
650-690	Gy & gn clst
690-735	Gy w/rd & ywbrn ss w/brn-gy clst
735-778+	Tn & yw-brn ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 714 ft.

Depth to static water level 49.7 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 780 ft.

Depth to bottom of casing 714 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 714-780

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1 '81
DIVISION OF
WATER RIGHTS
Pierre, SD

DWM-52

~~Fall River~~ Custer

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: NE 1/4 NE 1/4 Section 20 Township 6S Range R1

Well owner Tennessee Valley Authority (Name) (Address)

Date well drilling completed 8-17-81 Purpose of well Observation (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-420	Blk sh
420-500	IB gy clst & ss
500-580	Gy, rd & tn ss w/gy & brn clst

Attach sheet if more space is needed

Depth to top of water producing aquifer 503 ft.

Depth to static water level 34.2 ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 580 ft.

Depth to bottom of casing 503 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 503-580

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1981
DIVISION OF
WATER RIGHTS
Pierre, SD

6-1-21

NOTICE OF WELL CONSTRUCTION

~~Fall River~~
Custer

(1) WELL CONSTRUCTION

Location of well: NE 1/4 NE 1/4 Section 20 Township 6S Range R1

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 8-17-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-420	Blk sh
420-500	lB gy clst & ss
500-580	Gy, rd & tn ss w/gy & brn clst

Attach sheet if more space is needed

Depth to top of water producing aquifer 503 ft.

Depth to static water level 34.2 ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 580 ft.

Depth to bottom of casing 503 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 503-580

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

- On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.
- Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____.

_____
Name of Pump Installation Contractor

DEC 1 1981
DIVISION OF
WATER RIGHTS
Pierre, SD

NOTICE OF WELL CONSTRUCTION

Fall River

WELL CONSTRUCTION

Location of well: NW 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 8-18-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-430	Blk sh
430-500	lB gy clst & ss
500-550	Gy & rd-brn ss
550-580	Gy wht sltst w/gy-gn clst
580-595	Rd, orng & yw-brn & gy ss
595-605	Gy wht sltst & gy-gn clst
605-660	Gy ss w/gy sltst & gn clst
660-690	Gy wht sltst & gn clst
690-700	Gy w/orng ss
700-745	lB brn & gy, tr yw ss brn & gy clst
745-800	Brn-gy & rd ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 715 ft.

Depth to static water level 42.4 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 800 ft.

Depth to bottom of casing 715 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 715-800

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____

tube material _____

DEC 1981
DIVISION OF
WATER RIGHTS
Pierre, SD

_____
Name of Pump Installation Contractor

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Custer

Well owner Tennessee Valley Authority
(Name)

(Address)

Date well drilling completed 8-14-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-425	Blk sh
425-495	lB gy clst & ss
495-505	Rd & brn ss
505-525	Gy clst
525-530	Rd & orng -brn clst
530-545	Brn & rd-brn ss
545-555	Gy & wht sltst w/fy-gn clst
555-585	Orng, rd & brn ss
585-610	Gy-wht sltst w/gn clst
610-640	Tn-gy ss
640-650	Gy clst & gy wht sltst
650-700	Gy & gn clst
700-730	Tn, orng & rd-brn ss
730-745	lB Gy ss & sltst
745-800	Tn-brn ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 692

Depth to static water level 26.6

Name of producing aquifer (if known) Lakota

Total depth of drill hole 800

Depth to bottom of casing 692

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 692-800

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump

Type of pump HP

Depth of pump placement ft., Date of pump installation G.P.M.

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed ft., tube diameter

tube material.

Name of Pump Installation Contractor

DEC 1981
DIVISION OF
WATER RIGHTS
SALT LAKE CITY, UTAH

6-1-20

NOTICE OF WELL CONSTRUCTION

Custer

(1) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range R1

Well owner Tennessee Valley Authority (Name) (Address)

Date well drilling completed 9-14-81 Purpose of well Observation (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-440	Blk sh
440-505	IB gy clst & ss
505-565	RD & yw-brn ss w/rd-brn & gy clst
565-575	Rd-brn clst
575-600	Rd 7 rd-brn ss-siltstone
600-620	IB gy clst & ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 609 ft.

Depth to static water level 32.2 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 620 ft.

Depth to bottom of casing 609 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 609-620

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

-On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

-Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____.

_____
Name of Pump Installation Contractor

DEC 1 '81
DIVISION OF WATER RIGHTS
Pierre, SD

NOTICE OF WELL CONSTRUCTION

Custer

(1) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 8-14-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-430	Blk sh
430-510	lB gy clst & ss
510-600	Tn-gy & rd-brn ss w/ gy, gn & rd clst

Attach sheet if more space is needed

Depth to top of water producing aquifer 504 ft.

Depth to static water level 26.2 ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 580 ft.

Depth to bottom of casing 504 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

open hole 504-580

If a flowing well, flow of completed well NA G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

- On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, Minimum WELL CONSTRUCTION STANDARDS.
- Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____

_____
Name of Pump Installation Contractor

DEC 1981
DIVISION OF
WATER RIGHTS
Pierre, SD

6-1-29abc2
Custer

BP2-20

NOTICE OF WELL CONSTRUCTION

led 3705-15 Density good

(1) WELL CONSTRUCTION

Location of well: SW 1/4 NW 1/4 NE Section 29 Township 6S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-26-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

LWH 4/79

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Brown Soil
20-530	Gray Shale
530-545	Gray Sandstone
545-620	Lt. Gray & Brown Mudstone & Siltstone
620-690	Lt. Gray Sandstone
690-720	Dark Gray Shale w/Light Gray Siltstone
720-740	Gray Sandstone
740-770	IB Dark Gray Shale, Gray-Green Mudstone
770-820	Gray Sandstone
820-840	Gray Shale
840-955	IB AA & Yellow-Brown Siltstone-Sandstone
955-975	Red & Yellow Sandstone
975-1000	Green w/Variegated Mudstone

Belle Fourche
Mowry
Newcastle
Skullcreek
Inyan Kara
Morrison

Attach sheet if more space is needed

Depth to top of water producing aquifer 840 ft.

Depth to static water level _____ ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 1000 ft.

Depth to bottom of casing 966 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

1" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 903-966

If a flowing well, flow of completed well _____ G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

© 1978
STATE WATER RIGHTS COMM
Pierre, S.D

6 S - 1 - 29 a bc, Custer

NOTICE OF WELL CONSTRUCTION

lad 3705 ± 15
SCHEDULED
Dewey quad

(1) WELL CONSTRUCTION

Location of well: SW 1/4 NW 1/4 NE Section 29 Township 6S Range 1E

Well owner: Tennessee Valley Authority, P.O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 6-27-78 Purpose of well: Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Brown Sandy Soil
20-540	Gray Shale
540-605	Gray Siltstone
605-680	IB Gray Sandstone & Gray Shale

Attach sheet if more space is needed

Depth to top of water producing aquifer: 605 ft

Depth to static water level: ft

Name of producing aquifer (if known): Fall River

Total depth of drill hole: 680 ft

Depth to bottom of casing: 672 ft

Casing information: in the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

1" Schedual 40 Black Iron

Screen information: in the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 630-672

If a flowing well, flow of completed well: G.P.M

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump: HP

Type of pump: Capacity of installed pump: G.P.M

Depth of pump placement: ft., Date of pump installation:

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required. See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed: ft., tube diameter:

tube material:

Name of Pump Installation Contractor

-6 1978
STATE WATER RIGHTS COMM
Pierre, S.D

Custer

BPZ-21 FR

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SW 1/4 NW 1/4 NE Section 29 Township 6S Range 1E

Well owner Tennessee Valley Authority, P.O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-27-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Brown Sandy Soil
20-540	Gray Shale
540-605	Gray Siltstone
605-680	IB Gray Sandstone & Gray Shale

Attach sheet if more space is needed

Depth to top of water producing aquifer 605 ft.

Depth to static water level _____ ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 680 ft.

Depth to bottom of casing 672 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

1" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 630-672

If a flowing well, flow of completed well _____ G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM.
Pierre, S.D.

BIZ-17 FR

7-2-30 Fall River

Lsd 3570210

NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well: SW 1/4 SE 1/4 SE Section 30 Township 7S Range 2E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-8-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-25	Yellow-Brown Sandy Soi
25-30	Gray Mudstone
30-40	Red Shale
40-55	Gray Mudstone w/Gray Sandstone
55-80	Lt. Gray Sandstone
80-100	Dark Gray Shale & Siltstone
100-125	Gray Sandstone
125-127	Lt. Tan-Gray Claystone

Attach sheet if more space is needed

Depth to top of water producing aquifer 50 ft.

Depth to static water level 21.9' ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 127 ft.

Depth to bottom of casing 126' ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

1" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 84-126

If a flowing well, flow of completed well _____ G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

C 1978
RECEIVED
STATE WATER
RIGHTS COMM
Pierre, S.D

7-29 30 ddc (a)
Fall River

NOTICE OF WELL CONSTRUCTION

lod 3570±10 Burdock quad

(1) WELL CONSTRUCTION

Location of well: SW 1/4 SE 1/4 SE Section 30 Township 7S Range 2E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-7-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-30	Yellow & Brown Sandy ~~Mudstone~~
30-45	Red Shale
45-50	Gray Mudstone
50-90	Lt. Gray & Tan Sandstone
90-125	Dark Gray Claystone with Brown-Gray Sandstone
125-175	IB Gray & Green Claystone
175-180	Red Shale
180-185	Green Claystone
185-200	Lt. Gray Sandstone
200-215	Variegated Mudstone
215-235	Lt. Gray-White Sandstone
235-260	Gray-Green Mudstone
260-280	IB Brown Sandstone & AA
280-305	Gray-Brown Mudstone-Siltstone
305-320	Black Shale
320-325	Gray-Green Shale

Attach sheet if more space is needed

Depth to top of water producing aquifer 215 ft.

Depth to static water level +26 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 325 ft.

Depth to bottom of casing 294 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

1" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 252-294

If a flowing well, flow of completed well est. 3 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

C 1978
STATE WATER RIGHTS COMM
Pierre, S.D

Fall River

NOTICE OF WELL CONSTRUCTION

led 3625-15 Edgemont quad

SCHEDULED

(1) WELL CONSTRUCTION

Location of well: NE 1/4 NW 1/4 NW Section 23 Township 8S Range 2E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-7-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-25	Brown Sand
25-260	Gray Shale
260-280	Gray Sandstone
280-315	Gray Claystone
315-335	Gray Sandstone
335-360	IB Gray Sandstone, Gray Claystone
360-390	Gray Sandstone

Attach sheet if more space is needed

Depth to top of water producing aquifer 260 ft.

Depth to static water level 47.9 ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 390 ft.

Depth to bottom of casing 378 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

1" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

torch slotted 336-378

If a flowing well, flow of completed well _____ G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER RIGHTS COMM
Pierre, S.D.

Fall River

NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well: NE 1/4 NW 1/4 NW Section 23 Township 8S Range 2E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-29-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Brown Soil
20-340	Gray Shale
340-370	TB Brown & Gray Mudstone & Gray Sandstone
370-420	Brown Mudstone
420-440	Gray Sandstone
440-490	Gray Shale w/Gray Sandstone
490-510	Gray Sandstone
510-520	Green Mudstone & Siltstone
520-575	Gray Sandstone
575-640	Red Sandstone & Conglomerate
640-650	Red Conglomerate & Dark Gray Shale
650-660	Gray-Green Shale

Attach sheet if more space is needed

Depth to top of water producing aquifer 520 ft.

Depth to static water level 136.5 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 660 ft.

Depth to bottom of casing 630 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

1" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 588-630

If a flowing well, flow of completed well _____ G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM.
Pierre, S.D.

Fall River

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well SW 1/4 SE 1/4 Section 10 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 11-7-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Weathered Brown Clay and Silt
20-250	Dark Gray Shale
250-375	Interbedded Gray Claystone, Lt. Gray Sandstone
375-410	Dark Gray Claystone
410-505	Lt. Gray-White Siltstone and Green Claystone
505-550	Red-Brown Sandstone w/Gray Mudstone

Attach sheet if more space is needed

Depth to top of water producing aquifer 504 ft.

Depth to static water level _____ ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 550 ft.

Depth to bottom of casing 504 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

$4\frac{1}{2}$" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 504-550

If a flowing well, flow of completed well est. 40 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM.
Pierre, S.D.

need better location

Fall River

3620 ± 15
Burdock gun

NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well: SW 1/4 SE 1/4 Section 10 Township 7S Range 1E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 11-7-78 Purpose of well: Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Weathered Brown Clay and Silt
20-250	Dark Gray Shale
250-360	Gray Sandstone w/Lt. Med. Gray Claystone & Lt. Gray Siltstone

Attach sheet if more space is needed

Depth to top of water producing aquifer: 315 ft.

Depth to static water level: ft.

Name of producing aquifer (if known): Fall River

Total depth of drill hole: 360 ft.

Depth to bottom of casing: 315 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

$4\frac{1}{2}$" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 315-360

If a flowing well, flow of completed well: est. 2 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM
Pierre, S.D

RN-196 (B-10 LAK)

Fall River

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 10-25-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-25	Brown Weathered Shale
25-235	Gray Shale
235-265	AA with Lt. Gray Sandstone Siltstone
265-335	Brown Mudstone with Gray Sandstone & Gray-Green Mudstone
335-355	Gray Shale & Sandstone Siltstone
355-370	Tan-Gray Siltstone
370-390	Gray & Green Shale
390-405	Dark Brown Mudstone
405-440	Lt. Green Claystone-Siltstone
440-475	White Siltstone, Sandstone
475-485	Green Mudstone
485-495	Tan Mudstone-Siltstone
495-510	Gray Sandstone, Brown Mudstone
510-550	Red-Brown SS

Attach sheet if more space is needed

Depth to top of water producing aquifer 510 ft.

Depth to static water level _____ ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 550 ft.

Depth to bottom of casing 510 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

$4\frac{1}{2}$" Black Iron Schedual 40

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 510-550

If a flowing well, flow of completed well est. 35 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM.
Pierre, S.D.

Fall River

NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of Well NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 10-19-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Weathered Brown Clay & Silt
20-250	Dark Gray Shale
250-260	Interbedded Gray Claystone & Lt. Gray Sandstone
260-355	Gray Clay Stone
355-375	Lt. Gray-White Siltstone Gray Claystone
375-390	Gray & Green Shale
390-395	Dark Brown Mudstone

Attach sheet if more space is needed

Depth to top of water producing aquifer 377 ft.

Depth to static water level _____ ft.

Name of producing aquifer (if known) Lakota-Fuson

Total depth of drill hole 395 ft.

Depth to bottom of casing 377 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

$4\frac{1}{2}$" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 377-395

If a flowing well, flow of completed well < 1 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____

tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM
Pierre, S.D.

Fall River

NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 10-18-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-10	Weathered Brown Clay & Silt
10-250	Dark Gray Shale
250-260	Interbedded Gray Claystone & Lt. Gray Sandstone
260-295	Med. & Lt. Gray Claystone
295-300	AA w/trace green & Red-Brown Claystone
300-335	Lt. Gray Sandstone, Medium & Lt. Gray Claystone
335-350	Gray-Green Mudstone, Gray Shale & Sandstone

Attach sheet if more space is needed

Depth to top of water producing aquifer 300' ft.

Depth to static water level _____ ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 350 ft.

Depth to bottom of casing 300' ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

$4\frac{1}{2}$" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 300-350

If a flowing well, flow of completed well est. 2 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM
Pierre, S.D.

1-200 (1-2 LAK)

Fall River

NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 11-6-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-10	Orange-Brown Weathered Shale
10-270	Dark Gray-Black Shale
270-280	AA w/Lt. Gray Siltstone Sandstone
280-390	Interbedded Dark Gray Carb. mudstone, Gray & Tan Sandstone
390-430	Dark Brown Mudstone w/Green-Gray Claystone
430-455	Green w/Brown & Gray Claystone
455-470	Dark Brown-Gray Mudstone, trace Green Claystone; Tan Sandstone
470-500	Green Claystone w/White Lt. Tan Siltstone-Sandstone
500-525	Gray-Brown Mudstone w/Tan Sandstone
525-570	Gray Sandstone w/Gray-Brown Mudstone

Attach sheet if more space is needed

Depth to top of water producing aquifer 525 ft.

Depth to static water level _____ ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 570 ft.

Depth to bottom of casing 525 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

$4\frac{1}{2}$" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 525-570

If a flowing well, flow of completed well est. 35 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____.

_____
Name of Pump Installation Contractor

DEC 1978
RECEIVED
STATE WATER
RIGHTS COMM
Pierre, S.D.

Fall River

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 11-6-78 Purpose of well: Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-260	Dark Gray Shale
260-280	Gray Shale & Sandstone
280-350	Gray Sandstone-Siltstone
350-355	Dark Brown Shale
355-395	Gray Shale & Sandstone
395-420	Gray-Green Mudstone

Attach sheet if more space is needed

Depth to top of water producing aquifer: 400 ft.

Depth to static water level: ft.

Name of producing aquifer (if known): Lakota-Fuson

Total depth of drill hole: 420 ft.

Depth to bottom of casing: 400 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4½" Schedual 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 400-420

If a flowing well, flow of completed well: G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump: HP.

Type of pump: Capacity of installed pump: G.P.M.

Depth of pump placement: ft., Date of pump installation:

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed: ft., tube diameter:

tube material:

Name of Pump Installation Contractor

© 1978
RECEIVED
STATE WATER
RIGHTS COMM
Pierre, S.D.

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SE 1/4 SW 1/4 Section 11 Township 7S Range 1E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 7-26-78 Purpose of well: Test
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-30	Brown & Gray Soil
30-95	Brown-Gray Mudstone, Siltstone
95-135	IB Lt. Gray Sandstone, and Gray Mudstone
135-205	Variegated Mudstone & Siltstone
205-280	Tan & Gray Sandstone
280-305	Gray & Green Mudstone
305-335	Gray Sandstone
335-400	IB Brown-Gray Mudstone, Gray Sandstone
400-665	Gray, Brown & Green Mudstones
665-780	IB Red-Brown Sandstone and Gray & Green Claystone
780-840	Black Shale & Gray-Green Claystone
840-880	Red Siltstone-Mudstone

Attach sheet if more space is needed

Depth to top of water producing aquifer: 665 ft.

Depth to static water level: + 240 ft.

Name of producing aquifer (if known): Sundance

Total depth of drill hole: 880 ft.

Depth to bottom of casing: 780 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

5½" 14# Steel Casing

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 666-780

If a flowing well, flow of completed well: 4 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

1978
STATE WATER RIGHTS COMM
Pierre, S.D.

SCIENCE CENTER, UNIVERSITY OF SOUTH DAKOTA CAMPUS,
VERMILLION, 57069, PHONE 624-4471

WESTERN FIELD OFFICE, 507½ STATE ST., BELLE FOURCHE,
BOX 187, 57717, PHONE 892-3121

Western Field Office
August 31, 1967

RECEIVED
SEP 1 1967
STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

Mr. George L. Coates
Star Route
Edgemont, South Dakota

Re: ConRoy #1 State
NWSW-24-7S-1E
Fall River County, South Dakota
Permit No. 370

Dear Mr. Coates:

Your August 28 letter has been received in which you mention you want to convert the above oil test to a water well for agricultural use.

The oil test was plugged September 10, 1964. The bond was released January 26, 1965. The State Oil and Gas Board no longer has jurisdiction over the test hole.

Approval to complete the oil test as a water well should be obtained from the Water Resources Commission, State Office Building, Pierre, South Dakota. Their phone number is Capitol 4-5911, Extension 343. Mr. Joe Grimes is the Chief Engineer.

The test was drilled to a depth of 2,467 feet. The surface casing consisted of 487 feet of 8 5/8-inch pipe cemented with 275 sacks of cement. The formation tops as picked by the company geologist are:

Dakota	50	Minnekahta	1397
Lakota	237	Minnelusa	1470
Sundance	540	2nd Converse sand	1525
Basal Sundance sand	854	3rd Converse sand	1655
Spearfish	894	2nd Leo zone	2060

DUNCAN J. McGREGOR
DIRECTOR AND STATE GEOLOGIST
VERMILLION

MERLIN J. TIPTON
ASSISTANT STATE GEOLOGIST
VERMILLION

EARL J. COX
SENIOR GEOLOGIST
BELLE FOURCHE

Cement plugs were placed at approximately the following depths:

420-600	1640-1715
835-910	2060-2135
1460-1525	

If I can be of further help, please contact me.

Sincerely,

Earl Cox

Earl Cox
State Geologist

EC:rp

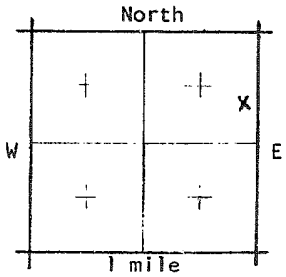
cc: State Geologist
Water Resources Commission

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location SE ¼ NE ¼ Sec 19 Twp 65 Rg 1 E

County CUSTER

Please mark well location with an "X"



Well Completion Date OCT 16 1984

PROPOSED USE:
/ / Domestic / / Municipal / / Test Holes
/ / Irrigation / / Industrial /X/ Stock

Method of Drilling:
ROTARY MUD

WELL CONSTRUCTION: To 520 4" to 900
Diameter of hole 6" inches Depth ____ feet
Casing: / / Steel /X/ Plastic / / Other
6" YELLOW MAKE
Specify 4" SCH 40 SCREEN

Pipe Weight	Diameter	From	To
____ lb/ft	6 inches	0 feet	520 feet
____ lb/ft	4 inches	500 feet	900 feet

Was a well screen used? /X/ Yes / / No
If Not Specify ____
Screen Type PVC Slot Size 1/64
Length 60' Diameter 4"
Was Casing left open end? /X/ Yes / / No
Was a Packer or seal used? /X/ Yes / / No
If so what material? RUBBER
Was well gravel packed? / / Yes /X/ No
Was well grouted? /X/ Yes / / No
Describe grouting procedure PRESSURE GROUT 6" PIPE 0 to 520
To what depth? 520 Feet
What was grouting material? TYPE II CEMENT
If cement, how many sacks? 100
Location of packer(s) and ~~screen or perforated~~ pipe PACKER 780 SCREEN 780 TO 900 + 840 - 880
WAS WELL PLUGGED OR ABANDONED / / Yes /X/ No
If so how and with what material?

WNR-836 4/82

Well Owner: MONIECE NEWLCE OPERATION
Name BERNARD & LOUHAM PARTNERS
Address BOX 567 CASPER WYO 82602

Well Log:

Formation	Depth From	Depth To
SHALE	0	480
FALL RIVER	480	600
FUSON	600	740
LAKOTA	740	885
MORRISON	885	900

STATIC WATER LEVEL 0 Feet
If flowing: closed in pressure 2 PSI
GPM flow 16 through 6" inch pipe
Controlled by /X/ Valve / / Reducers / / Other
If other; specify ____
Can well be completely shut off? YES

WELL TEST DATA:
/ / Pumped Indian Kara
/ / Bailed Describe: ____
/ / Other ____

Pumping Level Below Land Surface
____ ft. After ____ Hrs. pumped ____ GPM
____ ft. After ____ Hrs. pumped ____ GPM
____ ft. After ____ Hrs. pumped ____ GPM

NOV 1984 DIVISION OF WATER RIGHTS Pierre, SD

Remarks: NOTE THIS IS AN OFFSET TO OLD WELL, OLD WELL WAS CEMENTED & PUMPED 16 BAGS CEMENT IN 200 ft.

This well was drilled under license # 415 and this report is true and accurate.

RABY DRILLING
Drilling Firm

Signed by

Oct 18 1984
Date

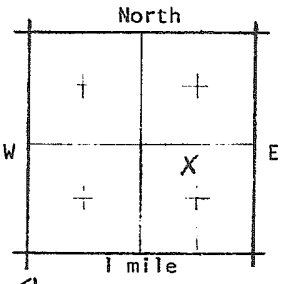
12-6-84

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location NW¼ SE¼ Sec 18 Twp 6 S Rg 1 E

County CUSTER

Please mark well location with an "X"



Well Completion Date Oct 2 1984

PROPOSED USE:
[X] Domestic [ ] Municipal [ ] Test Holes
[ ] Irrigation [ ] Industrial [X] Stock

Method of Drilling:
ROTARY MUD

WELL CONSTRUCTION: 6" TO 180'
Diameter of hole 4" inches Depth 360 feet
Casing: [ ] Steel [X] Plastic [ ] Other
Specify 6" YELLOW MINE 4" SCH 40

Pipe Weight	Diameter	From	To
SCH 200 lb/ft	6 inches	0 feet	180 feet
SCH 40 lb/ft	4 inches	160 feet	360 feet

Was a well screen used? [X] Yes [ ] No
If Not Specify
Screen Type 4" PVC Slot Size 1/64"
Length 80' Diameter 4"
Was Casing left open end? [X] Yes [ ] No
Was a Packer or seal used? [X] Yes [ ] No
If so what material? RUBBER
Was well gravel packed? [ ] Yes [X] No
Was well grouted? [X] Yes [ ] No
Describe grouting procedure PUMPED 35 BAG MIX DOWN INSIDE & UP OUTSIDE
To what depth? 180 Feet
What was grouting material? TYPE II
If cement, how many sacks? 35
Location of packer(s) and screen or perforated pipe 20 FT SCREEN 200-220 PACKER 280 SCREEN 300-360
WAS WELL PLUGGED OR ABANDONED [ ] Yes [X] No
If so how and with what material?

WNR-836 4/82

Well Owner:
Name BUD HOLIENBECK
Address DEWEY RT BOX 38 EDGEMONT S.D 57735

Well Log:

Formation	Depth From	Depth To
SHALE	0	80
FALL RIVER	80	220
FUSON	220	240
LAKOTA	240	360

STATIC WATER LEVEL 0 Feet
If flowing: closed in pressure 6 LBS PSI
GPM flow 65 through 6" inch pipe
Controlled by [X] Valve [ ] Reducers [ ] Other
If other; specify
Can well be completely shut off? YES

WELL TEST DATA:
[ ] Pumped
[ ] Bailed Describe:
[ ] Other
Bryan Kara

Pumping Level Below Land Surface
ft. After Hrs. pumped GPM
ft. After Hrs. pumped GPM
ft. After Hrs. pumped GPM

NOV 1984 DIVISION OF WATER RIGHTS Pierre, SD

Remarks: THIS IS OFFSET TO OLD WELL THAT WAS LEAKING CEMENTED WELL SHUT. PUMPED 13 BAGS IN AT 160 FT.

This well was drilled under license # 415 and this report is true and accurate.

RABY DRILLING
Drilling Firm

Russell P Raby
Signed by

Oct 18, 1984
Date

Ltr sent 12-6-84

Form 3 - 9

DRILLER'S FINAL REPORT

OFFICE OF STATE ENGINEER
Pierre, South Dakota

Well No. _____
(do not fill in)

FALL RIVER COUNTY

Location: SW NE¼ Section 3 Twp. 7S Range 2E

Owner Robert G. Robinson Address Hot Springs, S. Dak.

Depth 247 Drawdown _____ Type Rig Used cable tool

Flow (gpm) pumped Pressure _____ Date Measured _____

Grd. Elev. _____ Water Level Below Ground Surface _____

Temperature _____ Character Water (soft, medium, hard)

Date Commenced _____ Date Completed 11/14/49

Section _____

CASING DETAIL

Type	Size	Length	Depth
	6 5/8	187	187
(60' of open hole)			

PERFORATIONS

Type	Size	Length	Depth

SCREEN

Type	Size	Length	Depth

Is there a seal between different size pipes? ___ What kind? _____

WATER BEARING SANDS

From _____ To _____

SOURCE OF INFORMATION

PMA office, Fall River Co.

DRILLER'S LOG

From	To	

~~Bonded~~ Driller Richard Lawrence
(Signature)

Address Hot Springs, S. Dak.

RECEIVED
JUN 16 1951
OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

Form No. 4

ARTESIAN WELL REPAIR

OFFICE OF STATE ENGINEER
Pierre, South Dakota

Well No. 24-6R
(do not fill in)

Fall River COUNTY.

Location SE of SW ¼ Section 23 Twp. 7S Range 1E

Owner J. E. Stewart Address Dickenson, N. Dak.

Depth 240 Drawdown _____ Type Rig Used Repair

Flow (gpm) 2½ Pressure Strong Date Measured June 10, 1951

Grd. Elev. _____ Water Level Below Ground Surface _____

Temperature _____ Character Water ~~(soft,~~ medium, ~~hard)~~

Date Commenced June 6 Date Completed June 10

Bonded Driller H. P. Norbeck Address Redfield, S.D.

Section 23

CASING DETAIL (old)

Type	Size	Length	Depth
Blk Std	2"	240'	240'

PERFORATIONS

~~Type Size Length Depth~~

Perforations of WATER BEARING SANDS

From 160' To 165'

222' 227'

SOURCE OF INFORMATION

Morbeck Co. Report

Repaired by: H. P. Norbeck

Address Redfield

RECORD OF WELL AFTER REPAIR

Depth 237 Date Completed June 10, 1951

Flow (gpm) 2½ Date Measured June 10, 1951

Water Level Below Ground Surface _____

CASING DETAIL (new)

Type	Size	Length	Depth
Std Blk	3"	31'	37'
driven over old 2" with 600# hammer			
"M" Copper tube	1½"	231'	237'

PERFORATIONS

Type	Size	~~Length~~	~~Depth~~
Drilled	½"	158' to	168'
		220	230

Did you reach bottom on this well? No

If not, how far down did you get? 237'

What do you think caused this well to fail? 2" corroded out permitting water to come up outside

Do you believe the repair was successful? Very

Well flowed only 2 GPM when drilled - this is a Dakota Sandstone well about 2 mi from outc.

Form W - 3

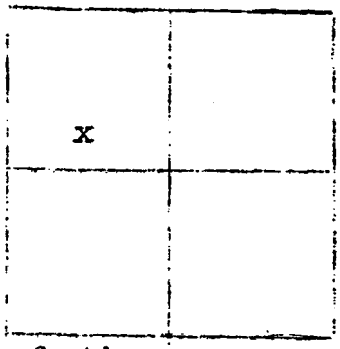
DRILLER'S FINAL REPORT

OFFICE OF STATE ENGINEER
Pierre, South Dakota

Well No. _____ (do not fill in)

CUSTER COUNTY

Location: SW NW¼ Section 33 Twp. 6S Range 1E



Section _____

Owner George Putnam Address Burdock, S. Dak.

Depth 494 Drawdown _____ Type Rig Used cable tool

Flow(gpm) _____ Pressure _____ Date Measured _____

Grd. Elev. _____ Water Level Below Ground Surface _____

Temperature _____ Character Water (soft, medium, hard)

Date Commenced _____ Date Completed 11/12/49

CASING DETAIL

Type	Size	Length	Depth
	4"	497	494

PERFORATIONS

Type	Size	Length	Depth

SCREEN

Type	Size	Length	Depth

Is there a seal between different size pipes? ___ What kind? _____

WATER BEARING SANDS

From _____ To _____

SOURCE OF INFORMATION

PMA office, Fall River Co.

DRILLER'S LOG

From	To	

~~Bonded~~ Driller Roy Boner (Signature)

Address Hot Springs, S. Dak.

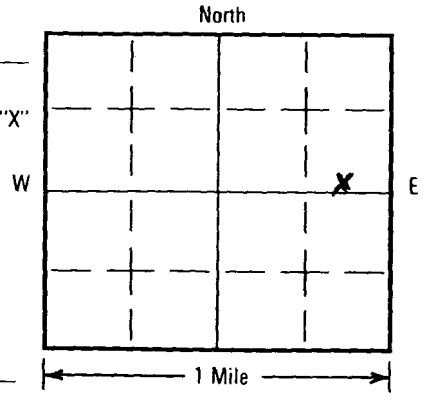
SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE ¼ NE ¼ Sec 12 Twp 75 Rg 2E

County Fall River

Please mark well location with an "X"



Well Completion Date 9/30/99

Well Owner: Ken Bronemann

Business Name:

Address: Denny Rt, Edgemont SD 57735

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
gry/grn clay	0	110
water bearing tan/buff SS	110	146
red SS	146	160 TD

LOCATION: N/A

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from _____ (identify source).

PROPOSED USE:

☑ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING: Air Rotary

CASING DATA: ☐ Steel ☑ Plastic ☐ Other

If other describe flush jt

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	4.5 IN	0 FT	160 FT	7.0 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
I/II	~~22~~ 17	lb./gal	0 ft	90 ft
		lb./gal	ft	ft

Describe grouting procedure pressure grout to 9 gravel pack returns

SCREEN: ☐ Perforated pipe ☑ Manufactured

Diameter 4.5 IN Length 60 FEET

Material plastic

Slot Size 025 Set From 90 Feet to 150 Feet

Other information 10' blk cap in bottom

WAS A PACKER OR SEAL USED? ☐ YES ☐ NO

If so, what material?

Describe packer(s) and location?

DISINFECTION: Was well disinfected upon completion?

✓ YES, How: Chlor tab

☐ NO, Why Not? KB

Laboratory sent to for water quality analysis owner will set own pump

STATIC WATER LEVEL 38 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe: air lift gal/min

☑ Bailed

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

JAN 2000 WATER RIGHTS PROGRAM Pierre, SD

This well was drilled under license # 489

And this report is true and accurate.

Drilling firm D&T Drilling

Signature of License Representative: Thomas E. Deigh

Signature of Well Owner or Equitable Property Holder: Kenneth Bronemann

Date: 1-21-00

949-78
10-31-78
S. Dak.

Smith & Assoc. Cornilus #1
(NENE (SEC 27) T5S 1 R.
0-2 surface (6S 1R)
2-76 Red silty shale streaks of Gyp.
~~72~~ surface pipe set at 72 ft. down
5 ft. cemented with 14 sack Reg. cement.
~~Put~~ from surface 9-26 15 ft. cement in
pipe
76-95 Red silty shale streaks of Gyp
95-102 White & pink Gyp.
107-151 Red silty shale
151-194 White & Gray Gyp.
194-265 Red silty shale streaks of Gyp.
265-285 hard Gray limey Gyp streaks of
~~285-386~~ Red silty shale
285-386 Red silty shale
386-422 Pink & light lavender limestone
422-429 Red & lavender limey shale
429-458 Red silty shale
458-482 White Gyp. streaks of Red silty sh.
482-505 Red silty shale
505-517 White Gyp. streaks of Pink limesto.
517-520 Red silty shale lost circ. 520
520-539 Red sandy shale
539-541 Pink limestone
541-570 White & Pink sand
570-592 Anti hydrite white
592-621 Pink & lavender limestone
621-638 Pink sandstone
638-667 Buff limestone & Pink sand
667-723 Gray limestone
723-727 Gray shale & Anti hydrite
727-747 Gray Dolomite & Black shale
747-794 Gray & Pink Dolomite
Cased with 640 ft. 4½ 10.5 Black pipe
Cemented 240 sacks cement. 5 shows

CEJA CORPORATION

JUL 1990 DIVISION OF WATER RIGHTS Pierre, SD

JUN 1990 RECEIVED WESTERN FIELD OFFICE

June 20, 1990

South Dakota Dept. of Water and
Resources
Western Field Office
36 East Chicago
Rapid City, SD 57701

Attention: Anthony K. Petres, Geologist

RE: Tubbs #1-35
SE/4 SE/4 Sec 35-7S-1E
Fall River Co., SD

Gentlemen:

Pursuant to your recent request of June 15, 1990 to Weldon Spitzer, enclosed please find a written acceptance and release from Robert D. and Virginia Tubbs to convert the captioned to a freshwater well.

If you have any questions or we can be of further assistance, please feel free to contact us.

Very truly yours,

Nevin K. Cooper /ho

Nevin K. Cooper

NKC/ho

JUL 06 1990

Jim:
This oil test was plugged back and given to the landowner for use as a water well.
If you need further info, contact

TO:
Jim Goodman

4400 One William ... Telepho...

CEJA CORPORATION

July 27, 1989

Robert D. & Virginia Tubbs
P. O. Box 563
Edgemont, SD 57735

RE: Tubbs 1-35 Well
SE/4 SE/4 Sec 35-7S-1E
Fall River Co., SD
CWO 9506

Dear Mr. & Mrs. Tubbs:

You have requested the use of the referenced abandoned well as a potential freshwater well for which an acceptance and release is required under ARSD Article 74:10:04:02:(4)(c)(i), a copy of which is attached hereto.

Ceja hereby grants and conveys the well to you in its present condition as reflected in the attached plugging report, provided you sign and return this letter releasing Ceja of any further responsibility or liability for the well prior to its conversion for actual use as a freshwater well. You further understand that you shall assume responsibility for the well and all attendant liabilities and accept the well in its present condition without any warranty or representation of its fitness for your intended use.

Thank you for your cooperation and assistance. If we may be of further assistance, please call me at 1-800-331-3359.

Yours very truly,

Paul G. Rose
Vice President

ACCEPTANCE AND RELEASE given this 3 day of August, 1989.

BY: Robert D. Tubbs
Robert D. Tubbs

BY: Virginia Tubbs
Virginia Tubbs

4400 One Williams Center ★ Tulsa, Oklahoma 74172-0144 ★ Telephone (918) 584-7266 ★ Facsimile (918) 587-4910

S. Dak. Oil & Gas Board
FORM 7

PLUGGING RECORD

Operator	Address
CEJA Corporation	4400 One Williams Ctr., Tulsa, OK., 74172

Name of Lease	Well No.	Field & Reservoir
Tubbs	1-35	Wildcat

Location of Well	Sec-Twp-Rge or Block & Survey	County
990'FSL & 595'FEL SE SE 35-7S-1E		Fall River

Application to drill this well was filed in name of	Has this well ever produced oil or gas	Character of well at completion (initial production): Oil (bbls/day)	Gas (MCF/day)	Dry?
CEJA Corporation	No			Yes

Date plugged:	Total depth	Amount well producing when plugged: Oil (bbls/day)	Gas (MCF/day)	Water (bbls./day)
July 2, 1989	2558'	0	0	0

Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.
None	Water		

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
8.625	418	None	All		

Was well filled with mud-laden fluid, according to regulations? Yes

Indicate deepest formation containing fresh water. Fall River-Lakota

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Wellbore was plugged back to 610' for use as fresh water well from the Lakota formation as follows:

100' plug	2108'-2208'	Red Shale Marker-2158'
100' plug	1662'-1762'	Minnelusa-1712'
100' plug	1050'-1150'	Canyon Springs-1100'
100' plug	610'-710'	Morrison-578'

with heavy mud in between plugs.

Surface Owner: Robert D. Tubbs, Box 563, Edgemont, S.D., 57735

USE REVERSE SIDE FOR ADDITIONAL DETAIL

Executed this the 27 day of July, 19 89

State of Oklahoma

County of Tulsa

Weldon G. Spitzer
Signature of Affiant

Before me, the undersigned authority, on this day personally appeared Weldon G. Spitzer known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this 27 day of July, 19 89

SEAL

My commission expires June 28, 1990

Mary E. Risley
Notary Public in and for Tulsa County, Oklahoma

DO NOT WRITE BELOW THIS LINE

Approved _____ Date

OIL AND GAS BOARD OF THE STATE OF SOUTH DAKOTA

_____ Secretary

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Supplemental instructions by local Federal and/or State offices will govern the use of this form.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see last blank.

If this well was directionally drilled, show both the location at the surface and at total depth from nearest lines, where possible; also show the locations at the top and at the bottom of any zone for which production data are reported in space 33, and any zone open for injection or disposal. Use this reverse side if more space is needed. (MD-Measured Depth, TVD-True Vertical Depth)

*Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

If this well is completed for separate production from more than one zone (multiple-zone completion), so state in the correct space and show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the zone reported in the blanks under PRODUCTION. Submit a separate completion report on this form for each interval (zone) to be separately produced.

"Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Canyon Springs	1100	1130	Canyon Springs-wet
Converse Sands	1715	1886	
2nd Leo	2280	2325	Converse Sands-wet
			DST #1-2nd Leo, 2287'-2307' IF: 5 min., IFP: 436-436 ISI: 30 min., ISIP: 973 FF: 60 min., FFP: 432-877 FSI: 120 min., FSIP: 973 Opened with 2" blow, died 8 min. after ISI. Second open 2" blow, continued; died 1 min. after FSI. Rec. 180' muddy wtr., 1860' water. BHT-103F: Sample R_w=1.9 @ 80F 2700 ppm chlorides.

GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Morrison	578	
Sundance	751	
Spearfish	1130	
Goose Egg	1364	
Minnekahta	1604	
Minnelusa	1712	
Red Shale Marker	2158	
Second Leo	2287	
Atoka	2524	

(iv) Cement must be circulated to fill at least a 100-foot interval, of which at least 50 feet must be above the shoe of the surface casing; and

(v) A cement plug must be set at the surface as prescribed by the secretary;

(b) Wells without production casing:

(i) All aquifers, salt zones, and fluid-bearing formations must be sealed or separated with individual cement plugs, circulated to fill at least 100 feet of hole. Each individual cement plug must be at least 50 feet above the top of the following formations, as specified by the secretary;

(A) Fort Union Group
(B) Hell Creek Formation
(C) Fox Hill Formation
(D) Niobrara Formation
(E) Greenhorn Formation
(F) Newcastle Sandstone
(G) Inyan Kara Group
(H) Sundance Formation
(I) Minnelusa Formation
(J) Madison Formation
(K) Interlake Formation
(L) Red River Formation
(M) Deadwood Formation

(ii) Cement must be circulated to fill at least a 100-foot interval, of which at least 50 feet must be above the shoe of the surface casing; and

(iii) A cement plug must be set at the surface as prescribed by the secretary;

(c) Conversion of a well to a water well:

(i) When a test hole may safely be used by the landowner as a potential freshwater well, the operator must follow the plugging procedures set forth in this section to the base of the objective freshwater strata, if applicable. The surface owner must give a signed release to the operator before the conversion is made;

(ii) The well must then be constructed to meet specifications established in article 74:02.

Source: SL 1975, ch 16, § 1; transferred from § 52:02:04:02, effective July 1, 1979; 13 SDR 129, 13 SDR 141, effective July 1, 1987; 14 SDR 50, effective October 4, 1987.
General Authority: SDCL 45-9-13.
Law Implemented: SDCL 45-9-11, 45-9-15.

74:10:04:03. Temporary abandonment of a well. Written approval must be obtained from the secretary for the temporary abandonment of a well. A well that is not completed with production casing may not be temporarily abandoned and must be plugged immediately. A well with production casing may not be temporarily abandoned for more than six months, unless the operator is granted an extension by the secretary.

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW¼ NW¼ Sec 2 Twp 7 Rg 2

County FALL RIVER

Please mark well location with an "X"

North

W E

1 mile

Well Completion Date JUNE 16, 1991

PROPOSED USE:
- [x] Domestic
- [ ] Municipal
- [ ] Test Holes
- [ ] Irrigation
- [ ] Industrial
- [x] Stock

Method of Drilling: ROTARY AIR

CASING DATA:
- [ ] Steel
- [x] Plastic
- [ ] Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SCH 200 LB/FT	5 IN	0 FT	145 FT	7 7/8 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUT:
Was the well grouted? [x] YES [ ] NO
To what depth? 28 FT FEET
What is grouting material? CEMENT
If cement, number of sacks? 4
Describe grouting procedure TREMI LINE TO TOP PACKER
What was grout weight? 9 4 7 LB/GAL

SCREEN: [ ] Perforated pipe [x] Manufactured
Diameter 5 IN Length 100 FEET
Material PVC
Slot Size .064 Set From 30 Feet To 130 Feet
Slot Size Set From Feet To Feet
Slot Size Set From Feet To Feet
Other information

Was a packer or seal used? [x] YES [ ] NO
If so, what material? NEO PRENE
Describe packer(s) and location? CEMENT PACKER AT 28 FT FORMATION PACKER AT 100 FT

Was well disinfected upon completion? [x] YES [ ] NO
Explain 1 QT CLOROX
Bacteriological analysis [x] YES [ ] NO
Laboratory sent to WILL BE SENT TO TOWN CITY LAB.

Well Owner:
Name Kenneth Brownmann
Address Edgemont S.Dak Hc 57 Box 73

Well Log:

Formation		Depth From	Depth To
SOIL FACE	LOWER	0	5
SHALE	SUNDANCE	5	20
SAND STONE		20	130
RED SHALE (SPERANFISH)		130	145

JUN 1991 DIVISION OF WATER RIGHTS Pierre, SD

STATIC WATER LEVEL 11 Feet
If flowing: closed in pressure PSI
GPM flow through inch pipe
Controlled by [ ] Valve [ ] Reducers [ ] Other
If other; specify
Can well be completely shut in?

WELL TEST DATA:
- [ ] Pumped
- [x] Bailed
- [ ] Other

Describe: AIR BAILED 13 GPM from TD.

Pumping Level Below Land Surface
ft. After Hrs. pumped GPM
ft. After Hrs. pumped GPM
ft. After Hrs. pumped GPM

REMARKS:

This well was drilled under license # 415
And this report is true and accurate.
Drilling firm RABY DRILLING
Signature of License Representative: Russell S Raby
Signature of Well Owner: Kenneth Brownmann
Date 6-19-91

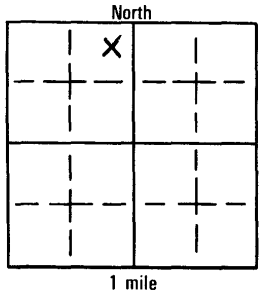
SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location ____ ¼ ____ ¼ Sec 31 Twp 7S Rg 1E

County: Fall River

Please mark well location with an "X"



Well Completion Date: April 23, 1991

PROPOSED USE:
- [ ] Domestic
- [ ] Municipal
- [ ] Test Holes
- [ ] Irrigation
- [ ] Industrial
- [x] Stock

Method of Drilling: Auger bucket drilling system

CASING DATA:
- [ ] Steel
- [x] Plastic
- [x] Other

If other describe: Concrete

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
____ LB/FT	8 IN	0 FT	12 FT	38 IN
____ LB/FT	36 IN	12 FT	52 FT	38 IN
____ LB/FT	____ IN	____ FT	____ FT	____ IN
____ LB/FT	____ IN	____ FT	____ FT	____ IN

GROUT:
Was the well grouted? [x] YES [ ] NO

To what depth? 23 FEET

What is grouting material? Granular bentonite

If cement, number of sacks? ____

Describe grouting procedure: Well was drilled, cased and gravel packed. The bentonite was placed in the annular space above gravel pack

What was grout weight? ____ LB/GAL

SCREEN: [ ] Perforated pipe [ ] Manufactured

Diameter ____ IN Length ____ FEET

Material ____

Slot Size ____ Set From ____ Feet To ____ Feet

Slot Size ____ Set From ____ Feet To ____ Feet

Slot Size ____ Set From ____ Feet To ____ Feet

Other information ____

Was a packer or seal used? [ ] YES [x] NO

If so, what material? ____

Describe packer(s) and location? ____

Was well disinfected upon completion? [x] YES [ ] NO

Explain: 2 cups chlorine added

Bacteriological analysis [x] YES [ ] NO

Laboratory sent to: South Dakota State Dept of Health – Pierre, So. Dak

Well Owner:

Name: Robert Simons

Address: 4052 S. Wabash Denver, CO 80237

Well Log:

Formation	Depth From	Depth To
Topsoil	0	1
Clay	1	6
Brown shale	6	15
Shale	15	52

MAY 1991 DIVISION WATER RIGHTS Pierre, SD

STATIC WATER LEVEL: 24 Feet

If flowing: closed in pressure ____ PSI

GPM flow ____ through ____ inch pipe

Controlled by [ ] Valve [ ] Reducers [ ] Other

If other; specify ____

Can well be completely shut in? ____

WELL TEST DATA:
- [ ] Pumped
- [ ] Bailed Describe: ____
- [ ] Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

REMARKS:

Driller: T. Schamber

This well was drilled under license # 195

And this report is true and accurate.

Drilling firm: S. Bice Drilling Co.

Signature of License Representative: Samuel J. Bice

Signature of Well Owner: Robert E. Simons

Date: May 12, 1991 6/14/91

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE ¼ SE ¼ Sec 12 Twp 7 Rg 1

County: FALL RIVER

Please mark well location with an "X"

North / W / E / 1 mile

Well Completion Date: JUNE 12 1988

PROPOSED USE:
- [ ] Domestic
- [ ] Municipal
- [ ] Test Holes
- [ ] Irrigation
- [ ] Industrial
- [x] Stock

Method of Drilling: ROTARY AIR + MUD

CASING DATA:
- [ ] Steel
- [x] Plastic
- [ ] Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
SCH 200 LB/FT	5 IN	0 FT	520 FT	7 7/8 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUT:
Was the well grouted? [x] YES [ ] NO
To what depth? 280 FT FEET
What is grouting material? CEMENT
If cement, number of sacks? 34 SACKS
Describe grouting procedure TREMI LINE

What was grout weight? 1 BAG 7 GAL LB/GAL

SCREEN: [ ] Perforated pipe [x] Manufactured
Diameter 5 IN Length 60 FEET
Material PVC
Slot Size .064 Set From 300 Feet To 340 Feet
Slot Size .064 Set From 480 Feet To 520 Feet
Slot Size ____ Set From ____ Feet To ____ Feet
Other information

Was a packer or seal used? [x] YES [ ] NO
If so, what material? NEOPRENE
Describe packer(s) and location? 5 X 8 PACKERS SET AT 280 + 300 FT TOP SCREEN 380 + 420 + 480 FT ABOVE BOTTOM SCREEN

Was well disinfected upon completion? [ ] YES [ ] NO
Explain
Bacteriological analysis [ ] YES [ ] NO
Laboratory sent to

Well Owner:
Name LESLIE COATS
Address Denver RT. Edgemont, S.D. 57735

Well Log:

Formation	Depth From	Depth To
FALL RIVER	0	180
LAKOTA	180	530
MORRISON	530	540

JUN 1988 DIVISION OF WATER RIGHTS Pierre, SD

STATIC WATER LEVEL 0 Feet
If flowing: closed in pressure 2 PSI
GPM flow SEEP through 1 GAL 10 MIN inch pipe
Controlled by [x] Valve [ ] Reducers [ ] Other
If other; specify
Can well be completely shut in? YES

WELL TEST DATA:
- [ ] Pumped
- [x] Bailed — Describe: AIR BAILED 10 GPM
- [ ] Other

Pumping Level Below Land Surface
____ ft. After ____ Hrs. pumped ____ GPM
____ ft. After ____ Hrs. pumped ____ GPM
____ ft. After ____ Hrs. pumped ____ GPM

REMARKS:
3 GPM MEASURED AT 320
10 GPM MEASURED FROM 500 FT SAND.

This well was drilled under license # 415
And this report is true and accurate.
Drilling firm RABY DRILLING + EXP
Signature of License Representative: Russell Raby
Signature of Well Owner:
Date 7-6-88

7-2-22c

SCHEDULED

RECORD OF SAMPLE DETERMINATIONS

Fall River Co

1

SW 22 7 S 2 E

R. G. Robinson 1

Fall River Co South Dakota

SAMPLES FROM 0 - 170

FROM	TO	FORMATION AND REMARKS
		Sundance formation
0	130	Clay, pale greenish gray, sandy
130	154	Sandstone, fine, rounded, white; with few large frosted quartz grains
154	170	Sandstone, fine, rounded, white to orange; few large orange and white frosted quartz grains

JWH 4/79
accdg to geol. quad map
(Edgemont NE), land surface
is Fall River Formation

So lg interp. or well loc is wrong

7-2-16 ca

need better location

SCHEDULED

U. S. Forest Service Water Well
NE¼ SW¼ sec. 16, T. 7 S., R. 2 E.
Fall River County, South Dakota
Drilled by Otto Boekar, Hot Springs, S. D.
Samples described by J. P. Iriss, 1959
State School of Mines and Technology
Sample set 118.

15 - 20	sandstone, fine to medium, colorless, subangular, some grains with secondary crystal faces
30	sandstone, same
35	sandstone, same, with few coarse frosted grains, some gray waxy shale gives sample dirty appearance
40	sandstone, fine to coarse, gray, 1/2; shale, medium to dark gray, waxy, 1/2
50	sandstone, fine to coarse, calcareous, poorly sorted, 2/3; shale, gray, sandy, 1/3
65	sandstone, fine, white, 1/2; shale, dark gray, 1/2
75	sandstone, white to gray, very calcareous, 1/3; limestone, very sandy, gray, white and light brown, 1/3; shale, dark gray, 1/3
85	sandstone, as above, 40%; limestone, as above, 20%; shale, as above, 40%
90	shale, gray, some sandy, 1/2; limestone, very finely crystalline, light gray-brown to coarsely crystalline calcite, 1/2
100	clay, gray, slightly sandy, slightly waxy
110	sandstone, very fine to medium, white, calcareous total depth

All in Inyan Kara

1-1-20

Robert Tubbs Feb. 4, 1977
Edgemont, S.D.
Fall River County Sec. 20 Twp. 7S Range 1E

Total Depth 40' Static 26'
Dia. 30"

0-3 topsoil
3-26 sand
26-28 gravel
28-40 blue shale

Bice

NOTICE OF WELL CONSTRUCTION

7-1-16

Felt River

(1) WELL CONSTRUCTION

Location of well: SE 1/4 SE 1/4 Section 16 Township 7S Range 1E

Well owner Peterson & Son, Inc. (Name) Edgemont, SD (Address)

Date well drilling completed 11-17-81 Purpose of well Domestic (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-380	Blk Sh
380-470	lB gy clst & ss
470-495	Gy ss & clst
495-565	Gy, rd-brn & gn clst
565-580	Gy ss
580-650	Gy clst

Attach sheet if more space is needed

Depth to top of water producing aquifer 555 ft.

Depth to static water level flowing ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 650 ft.

Depth to bottom of casing 650 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

slotted 566-608
629-650

If a flowing well, flow of completed well 30 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____.

_____
Name of Pump Installation Contractor

DEC 1981
DIVISION OF WATER RIGHTS

SCHEDULED

D 7-1-12 bc

State South Dakota Farm W. E. Hack Index

County Fall River Company

Sec. 12 T. 7 S R. 1 E Drilled by Richard Lawrence Date 1954

Authority driller Type of log sample

Type of drill cable tool Samples yes

Elevation method T.D. 156'

Remarks from SDGS files

Left 4/4

Skull Creek - based on Burdock quad map

1. shale, light gray, very silty 0 - 37

2. clay, light gray, bentonitic, waxy, with muscovite mica flakes; piece of sandstone, fine, tight, white 37 - 80

Fall River

3. shale, light gray, silty 80 - 100

4. sandstone, fine white, with white clay in interstices (looks like Unkpapa) 100 - 140

Inyan Kara

5. sandstone, fine to medium, incoherent, subrounded; some white clay and one siderite pellet. Water sand. 140 - 146

6. clay, gray-brown to light gray, waxy, translucent 146-147

7. sandstone, like sample 5 147 - 150

8. sand, as above, and much waxy clay 150 - 156

This is an odd set of samples. Samples 1 to 3 do not look like Skull Creek. 4 could be Muddy, but looks like much of the Unkpapa where it is white. Nos. 5 and 7 look like Dakota but not like Newcastle (Muddy). Nos. 6 and 8 look like Morrison, but could be Fuson.

I still think it is a Dakota section, but the [illegible] time I get down that way, I shall stop [illegible]or a look at the surface.

Salt River

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: NW 1/4 NW 1/4 Section 3 Township 7S Range 1E

Well owner Kathryn Spencer (Name) Dewey Route, Edgemont, SD 57735 (Address)

Date well drilling completed 10-22-80 Purpose of well Domestic (domestic, irrigation, municipal, industrial, other)

WELL LOG

(Litho Log Footages)

	Layers, top to top in feet	Description of layer
Ksc →	0-320	Dark gray shale
Kfu →	320-395	Gray mudstone with 10% gray siltstone
	395-445	Gray mudstone with 5%-20% gray vfgss
Klf →	445-490	Green mudstone
	490-520	AA w/10-30% G & GR Wt slst
	520-545	Gray fgss
	545-560	well cemented vf - fgss
	560-575	Gray mudstone with 10% dark brown mudstone
	575-590	AA with 10-20% gray vfgss
	590-615	Gray fine grain sandstone
	615-620	Green mudstone with <5% gray vfgss
	620-625	Green mudstone with 50% Brown-red mudstone

Attach sheet if more space is needed

Depth to top of water producing equifer 580 ft.

Depth to static water level flows ft.

Name of producing equifer (if known) Lakota

Total depth of drill hole 625 ft.

Depth to bottom of casing 580 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

5 1/2" 14 lbs/ft.

Random twenties

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

45 ft. open hole

If a flowing well, flow of completed well 1.00 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

TVA well pump test 76-77 2 miles
14 Days 2.00

NOTICE OF WELL CONSTRUCTION

7S 1E 3BB

Fall River

(1) WELL CONSTRUCTION

Location of well NW 1/4 NW 1/4 Section 3 Township 7S Range 1E

Well owner Kathryn Spencer (Name) Dewey Route, Edgemont, SD 57735 (Address)

Date well drilling completed 10-22-80 Purpose of well Domestic (domestic, irrigation, municipal, industrial, other)

WELL LOG

(Litho Log Footages)

	Layers, top to top in feet	Description of layer
Ksc →	0-320	Dark gray shale
Kfu →	320-395	Gray mudstone with 10% gray siltstone
	395-445	Gray mudstone with 5%-20% gray vfgss
Klf →	445-490	Green mudstone
	490-520	AA w/10-30% G & GR Wt slst
	520-545	Gray fgss
	545-560	well cemented vf - fgss
	560-575	Gray mudstone with 10% dark brown mudstone
	575-590	AA with 10-20% gray vfgss
	590-615	Gray fine grain sandstone
	615-620	Green mudstone with <5% gray vfgss
	620-625	Green mudstone with 50% Brown-red mudstone

Attach sheet if more space is needed

Depth to top of water producing aquifer 580 ft.

Depth to static water level flows ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 625 ft.

Depth to bottom of casing 580 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

5 1/2" 14 lbs/ft.

Random twenties

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

45 ft. open hole

If a flowing well, flow of completed well 1.00 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

Ed

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

S. D. Farm Linch Index 0902

scheduled

County Fall River Company

Sec. 2 T. 7S R. 1E Drilled by Date

Authority Mrs. Linch (Owner) Type of log

Type of drill Samples

Elevation by method

Remarks ~~[illegible] information obtained verbally April 1955~~

		o	

1st water — — — — — 177

Stinking water — — — — — 369

Well flows size of stemb.

Tullis drained site of well from a lake. Possibly [illegible] in Mining. In August, the [illegible] water can't be [illegible]

Just up Lodgepole is Skull Creek, mineralization over Skull Creek or is far River. So most of depth of this well is in Fall River & Lakota

NOTICE OF WELL CONSTRUCTION

6-1-18

~~Fall River~~ Custer

) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 18 Township 6S Range 1E

Well owner Earl Darrow (Name) Edgemont, SD (Address)

Date well drilling completed 7-30-81 Purpose of well Domestic (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Wth brn & gy clst and sltst
20-25	Gy clst & ywtn bent
25-35	Gy clst & ss
35-55	Gy clst
55-60	Gy ss
60-65	Brn & gy clst
65-70	Gy ss
70-95	Gy, blk, rd & orng-brn clst
95-115	Rd, orgn-brn & ppl ss
115-120	Gy clst w/ss

Attach sheet if more space is needed

Depth to top of water producing aquifer 90 ft.

Depth to static water level 0 ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 120 ft.

Depth to bottom of casing 120 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

160# 4" PVC

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

slotted casing 90-115

If a flowing well, flow of completed well 0.2 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____.

_____
Name of Pump Installation Contractor

DEC 1981 OF

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW ¼ SW ¼ Sec 23 Twp 65 Rg 1E

County: Custer

Please mark well location with an "X"

North / W / E / 1 Mile

Well Completion Date: Feb 98

Well Owner: Hoyd & John Putnam

Business Name: Putnam & Putnam

Address: RC 59 Box 22

Edgemont SD 57735

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Sand & Gravel	0	75
Shale	75	80

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ___ ft. from ~~Hom Septic~~ (identify source).

PROPOSED USE: NONE

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes

☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING: Air Rotary

CASING DATA: ☒ Steel ☒ Plastic ☐ Other

If other describe ___

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
155 LB/FT	5 IN	0 FT	70 FT	7⅞ IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cement	5	6gal lb./gal	0 ft.	30 ft.
		lb./gal	ft.	ft.

Describe grouting procedure: Pumped

SCREEN: ☒ Perforated pipe ☐ Manufactured

Diameter 5 IN Length 40 FEET

Material Steel

Slot Size ¼ x 6 Set From 30 Feet to 70 Feet

Other information ___

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? Rubber packer @ 30 ft

Describe packer(s) and location? ___

DISINFECTION: Was well disinfected upon completion? ☒ YES, How: Chlorinator

☐ NO, Why Not? ___

☐ Laboratory sent to for water quality analysis

STATIC WATER LEVEL 20 Feet

If flowing: closed in pressure ___ PSI

GPM flow ___ through ___ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other ___

Reduced Flowrate ___ GPM

Can well be completely shut in? ___

WELL TEST DATA:

☐ Pumped Describe: Air lift

☐ Bailed ~~150~~ 15-20 gpm

☒ Other

Pumping Level Below Land Surface

___ ft. After ___ Hrs. pumped ___ GPM

___ ft. After ___ Hrs. pumped ___ GPM

If pump installed, pump rate ___ GPM

REMARKS

FEB 1999 WATER RIGHTS PROGRAM Pierre, SD

This well was drilled under license # 603

And this report is true and accurate.

Drilling firm: Lightning Drilling

Signature of License Representative: Cerek Lightning

Signature of Well Owner or Equitable Property Holder: Putnam & Putnam Partnership by John A Putnam

Date: 01.22.99

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW ¼ SW ¼ Sec 15 Twp 65 Rg E

County Custer

Please mark well location with an "X"

North

W E

1 Mile

Well Completion Date

Jan 98

Well Owner: Don Spencer

Business Name:

Address: HCR 59 Box 74
Edgemont SD 57735

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
Mowry Shale	0	80
Newcastle Sand	80	140

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? ____ ft. from None (identify source).

PROPOSED USE:

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Air Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
200 LB/FT	5 IN	0 FT	140 FT	7⅞ IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Cement	11	6 gal lb./gal	0 ft.	80 ft.
		lb./gal	ft.	ft.

Describe grouting procedure Dump pal

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 5 IN Length ~~50~~ 60 FEET

Material PVC

Slot Size .025 Set From 80 Feet to 140 Feet

Other information

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? Rubber packer @ 80 ft

Describe packer(s) and location?

DISINFECTION: Was well disinfected upon completion?

X YES, How: Chlorine Tablets

NO, Why Not?

Laboratory sent to for water quality analysis

STATIC WATER LEVEL 90 Feet

If flowing: closed in pressure ____ PSI

GPM flow ____ through ____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate ____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe: Air lift 15-20 gpm

☐ Bailed

☒ Other

Pumping Level Below Land Surface

____ ft. After ____ Hrs. pumped ____ GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS

FEB 1999 WATER RIGHTS PROGRAM Pierre, SD

This well was drilled under license # 603

And this report is true and accurate.

Drilling firm Yellowstone Drilling

Signature of License Representative: Jeff Jefferson

Signature of Well Owner or Equitable Property Holder: Don Spencer

Date: January 20, 1999

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SE 1/4 SW 1/4 Section 11 Township 7S Range 1E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 7-26-78 Purpose of well: Test
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-30	Brown & Gray Soil
30-95	Brown-Gray Mudstone, Siltstone
95-135	IB Lt. Gray Sandstone, and Gray Mudstone
135-205	Variegated Mudstone & Siltstone
205-280	Tan & Gray Sandstone
280-305	Gray & Green Mudstone
305-335	Gray Sandstone
335-400	IB Brown-Gray Mudstone, Gray Sandstone
400-665	Gray, Brown & Green Mudstones
665-780	IB Red-Brown Sandstone and Gray & Green Claystone
780-840	Black Shale & Gray-Green Claystone
840-880	Red Siltstone-Mudstone

Attach sheet if more space is needed

Depth to top of water producing aquifer: 665 ft.

Depth to static water level: + 240 ft.

Name of producing aquifer (if known): Sundance

Total depth of drill hole: 880 ft.

Depth to bottom of casing: 780 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

5½" 14# Steel Casing

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 666-780

If a flowing well, flow of completed well: 4 G.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP. _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

_____
Name of Pump Installation Contractor

1978
STATE WATER RIGHTS COMM
Pierre, S.D.

WELL DATA FROM TENNESSEE VALLEY AUTHORITY

Table 2.5.2-1

Summary of Wells Within a Four-Mile (6.5 km.) Radius of the TVA Burdock, No. 1 Shaft Site

Well No.: Based on the Federal system of township and range. Each township within the project area is assigned a letter in consecutive order beginning with "A" in the northeast corner and ending with "F" in the southern part. Similarly, wells are numbered in consecutive order within a township--for example: B-1, B-2, etc. Location: Number based on township, range, section, 1/4 section, and 1/4 section. Aquifer: Qa, Quaternary alluvial deposits; Kf, Cretaceous, Fall River Formation; Kl, Cretaceous, Lakota Formation; Jm, Jurassic, Morrison Formation; Js, Jurassic, Sundance Formation; Trs, Triassic, Spearfish Formation; PmK, Permian, Minnekahta Limestone. Depth: Given in feet (ft.) and meters (m.) below land surface. Use Rate and Flow Rate: In gallons per minute (gpm) and liters per second (l/s). Elevation of Land Surface and Elevation of Water Surface: In feet (ft.) and meters (m.) above sea level. Superscript a indicates flow rate less than 1 gpm. Superscript b indicates estimated water surface elevations.

Well No.	Latitude	Longitude	Location	Aquifer	Depth (ft)	Depth (m)	Use Rate (gal/min)	Use Rate (l/s)	Flow Rate (gal/min)	Flow Rate (l/s)	Elevation: Land Surf. (ft)	Elevation: Land Surf. (m)	Elevation: Water Surf. (ft)	Elevation: Water Surf. (m)	Remarks
B-1	43°30'00"	103°58'57"	6-1-27Db	Qa	50	15	30	1.9	-	-	3715	1132	3700	1128	
B-2	43°29'59"	103°58'57"	6-1-27Db	Qa	46	14	30	1.9	-	-	3715	1132	3700	1128	
B-3	43°29'10"	104°02'43"	6-1-31Bd	-	-	-	-	-	12	.8	3605	1099	3610[b]	1100	
B-4	43°29'09"	104°00'40"	6-1-33Bc	Kl	550	168	-	-	2	.1	3630	1106	3630[b]	1106	
B-5	43°28'51"	103°59'06"	6-1-34Dc	Kl	350	107	-	-	-	-	3663	1116	-	-	Flowed until Triangle mine dewatered. 1/3 h.p. pump.
D-1	43°28'20"	103°56'47"	7-1-18d	Kl	330	101	-	-	-	-	3905	1190	3747	1146	
D-2	43°28'32"	103°57'34"	7-1-2Aa	Kf	180	55	10	.6	-	-	3749	1143	-	-	Water contains iron.
D-3	43°28'35"	103°58'15"	7-1-28b	Kl	495	151	-	-	a	-	3705	1129	3705[b]	1129	Unused.
D-4	43°28'26"	103°58'20"	7-1-28c	Kl	280	85	5	.3	-	-	3698	1127	3674	1120	Water contains iron.
D-5	43°28'01"	103°58'22"	7-1-2Cc	Kl	470	143	-	-	a	-	3679	1121	3680[b]	1122	Unused.
D-6	43°28'38"	103°59'42"	7-1-3Bb	Kl	500	152	-	-	2	.1	3660	1116	3661[b]	1116	A.E.C. water analysis.
D-7	43°28'02"	104°00'00"	7-1-4Dd	Kl	805	245	-	-	1	.06	3645	1111	3646[b]	1111	
D-8	43°28'17"	104°01'19"	7-1-5Ac	Kl	600	183	-	-	25	1.6	3600	1097	3610[b]	1100	Flow rate in 1969, 30 gpm (1.9 l/s).
D-9	43°27'30"	103°59'52"	7-1-9Ad	Kl	550	168	-	-	16	1.0	3615	1102	3620[b]	1103	Water contains iron & sulphur.
D-10	43°27'03"	104°00'54"	7-1-9Cc	Kf	527	161	-	-	8	.5	3700	1128	3701[b]	1128	

TABLE 2.5.2-1 (continued)

Well No.	Latitude	Longitude	Location	Aquifer	Depth (ft.)	Depth (m)	Use Rate (gal/min)	Use Rate (l/s)	Flow Rate (gal/min)	Flow Rate (l/s)	Elevation Land Surf. (ft)	Elevation Land Surf. (m)	Elevation Water Surf. (ft)	Elevation Water Surf. (m)	Remarks
D-11	43°27'05"	103°59'46"	7-1-9Dd	Kl	600	183	-	-	1	.06	3624	1105	3631	1107	Water contains iron.
D-12	43°27'05"	103°57'47"	7-1-11Dc	Kl	525	160	-	-	-	-	3700	1128	-	-	A.E.C. water analysis.
D-13	43°26'29"	103°56'53"	7-1-12Bd	Kf	156	48	-	-	-	-	3750	1143	-	-	
D-14	43°27'04"	103°56'21"	7-1-12Dd	-	-	-	-	-	-	-	3830	1167	-	-	
D-15	43°26'55"	103°56'12"	7-1-13Aa	Kl	200	61	-	-	-	-	3740	1140	3662	1116	
D-16	43°26'54"	103°58'24"	7-1-14Bb	-	-	-	-	-	a	-	3675	1120	3675[b]	1120	
D-17	43°44'45"	103°58'25"	7-1-14Ba	Kl	850	259	-	-	7	.4	3630	1106	3634[b]	1108	Water contains iron.
D-18	43°26'23"	103°57'48"	7-1-14Db	Kl	280	85	1	.06	-	-	3610	1100	3598	1097	
D-19	43°26'09"	103°58'43"	7-1-15Dd	-	2264	690	-	-	-	-	3576	1090	3580[b]	1091	
D-20	43°26'15"	103°59'58"	7-1-16Dd	Kl	640	195	-	-	15	.9	3555	1084	3560[b]	1085	A.E.C. water analysis.
D-21	43°26'16"	104°02'01"	7-1-17Cb	Kf	530	162	-	-	4	.3	3555	1084	3558[b]	1084	A.E.C. water analysis.
D-22	43°26'33"	104°03'06"	7-1-18Bc	Kf	740	226	-	-	-	-	3700	1128	-	-	
D-23	43°25'48"	104°03'12"	7-1-19Bc	Kf	910	277	-	-	15	.9	3580	1091	3585[b]	1093	
D-24	43°25'48"	103°59'31"	7-1-22Bc	-	2400	732	-	-	3	.2	3548	1081	3550[b]	1082	
D-25	43°25'59"	103°57'24"	7-1-23Aa	Kf	90	27	-	-	3	.2	3625	1105	3625[b]	1105	Flow rate 1969, 10 gpm (.6 l/s).
D-26	43°25'02"	103°58'26"	7-1-23Bb	Kl	500	152	-	-	5	.3	3574	1089	3574[b]	1089	
D-27	43°26'03"	103°58'29"	7-1-23Bb	Kf	200	61	3	.2	-	-	3574	1089	3561	1085	
D-28	43°25'26"	103°57'48"	7-1-23Dc	Kl	500	152	-	-	5	.3	3542	1080	3542[b]	1080	Casing perforated in 10 ft (3 m.) intervals below elevations 3222 (982 m.) and 3384 (1031 m.).
D-29	43°25'27"	103°57'44"	7-1-23Dc	Kf	240	73	-	-	1	.06	3542	1080	3542[b]	1080	
D-30	42°25'24"	103°57'30"	7-1-23Dd	Js-PmK	1470	448	-	-	5	.3	3550	1082	3550[b]	1082	
D-31	43°25'30"	103°57'07"	7-1-24Cb	Js-PmK	2480	756	-	-	6	.4	3577	1090	3578[b]	1091	
D-32	43°24'38"	103°55'58"	7-1-25Ca	Kl	375	114	-	-	2	.1	3508	1069	3508[b]	1069	
D-33	43°24'40"	103°56'37"	7-1-25Db	Kf	96	29	-	-	1	.05	3510	1070	3510[b]	1070	
D-34	43°24'45"	103°56'29"	7-1-25Db	Kf	90	28	-	-	1	.06	3528	1075	3528[b]	1075	

TABLE 2.5.2-1 (continued)

Well No.	Latitude	Longitude	Location	Aquifer	Depth (ft)	Depth (m)	Use Rate (gal/min)	Use Rate (l/s)	Flow Rate (gal/min)	Flow Rate (l/s)	Elevation: Land Surf. (ft)	Elevation: Land Surf. (m)	Elevation: Water Surf. (ft)	Elevation: Water Surf. (m)	Remarks
D-35	43°24'28"	103°55'[illegible]"	T-1-25Dc	Kf	130	40	-	-	1	.06	3510	1070	3510[b]	1070	
D-36	43°24'30"	103°56'[illegible]"	T-1-25Dd	Kf	450	137	-	-	3	.2	3508	1069	3508[b]	1069	
D-37	43°24'42"	103°57'[illegible]"	T-1-26Ca	Kl	260	79	-	-	2	.1	3530	1076	3530[b]	1076	
D-38	43°24'47"	103°59'[illegible]"	T-1-27Ac	Kf	350	107	-	-	-	-	3560	1085	3560[b]	1085	
D-39	43°25'01"	104°00'[illegible]"	T-1-28Ba	Kf	600	183	-	-	-	-	3576	1090	3553	1083	
D-40	43°25'01"	104°02'[illegible]"	T-1-29Bb	Kf	600	183	-	-	1	.06	3590	1094	3590[b]	1094	
D-41	43°23'30"	104°00'[illegible]"	T-1-33Dc	Kl	600	183	-	-	-	-	3670	1119	-	-	
D-42	43°24'05"	103°57'[illegible]"	T-1-35Ac	Kf	350	107	-	-	1	.06	3545	1081	3545[b]	1081	
D-43	43°23'44"	103°57'[illegible]"	T-1-35Da	Kf	320	98	-	-	-	-	3555	1084	3545	1081	Slight flow in 1969; no flow in 1976.
D-44	43°23'37"	103°57'[illegible]"	T-1-35Dd	Kf	320	98	-	-	-	-	3555	1084	-	-	1969 Flow, 15 gpm (.9 l/s); no flow in 1976.
D-45	43°23'10"	103°56'[illegible]	T-1-36Aa	Kf	92	28	-	-	9	.6	3500	1067	3504[b]	1068	
D-46	43°23'55"	103°56'[illegible]	T-1-36Ca	Kf	100	30	-	-	1.5	.2	3535	1077	3536[b]	1078	
E-1	43°28'08"	103°55'[illegible]	T-1-6Ca	-	40	12	-	-	-	-	3860	1177	-	-	
E-2	43°27'11"	103°55'[illegible]	T-1-7Cd	-	365	111	-	-	-	-	3755	1145	3475	1059	
E-3	43°27'32"	103°54'[illegible]	T-1-8Bc	Js	470	143	-	-	-	-	3970	1210	-	-	Unused.
E-4	43°25'57"	103°55'[illegible]	T-2-19Ba	Kl	145	44	-	-	-	-	3640	1109	-	-	
E-5	43°25'38"	103°55'[illegible]	T-2-19Ca	Kl	148	45	-	-	-	-	3620	1103	-	-	Flow rate in 1969, 2 gpm (.1 l/s); no flow in 1976;unused.
E-6	43°25'15"	103°55'[illegible]	T-2-19Dc	Kl	255	78	-	-	10	.6	3600	1097	3605[b]	1099	
E-7	43°25'11"	103°55'[illegible]	T-2-30Aa	-	-	-	-	-	-	-	3600	1097	-	-	
E-8	43°25'13"	103°56'[illegible]	T-2-30Bb	Kl	330	101	-	-	2	.1	3530	1076	3530[b]	1076	
E-9	43°24'27"	103°55'[illegible]	T-2-30Cc	Kf	90	27	-	-	a	-	3522	1074	3522[b]	1074	
E-10	43°24'07"	103°55'52"	T-2-31Bc	Kf	104	32	-	-	1.3	.08	3495	1065	3500[b]	1067	

INTEROFFICE CORRESPONDENCE

Company Silver King Mines, Inc. Date August 3, 1979

To: R. M. Caywood

From: Keith E. Andersen Subject: Quarterly Burdock Area Water Levels

Attached are quarterly measurements of Burdock Area water well flow rates and water levels. Wells numbered 135 - 143 are new wells or wells added to our monitoring program by request. Wells numbered 200 - 216 are probable Sundance wells located east of the Burdock Area.

In an effort to obtain all possible information, several measurements of questionable accuracy were made as noted below.

Well No.	Problem
2	Leaking around casing
4	Leaking around casing
7S	Measuring point changes
13	Pipeline use affects flow
33	Measuring point changes
35	Measured inside cylinder drop pipe
36	Leaking around pipeline fittings
37	Measured inside cylinder drop pipe
40	Two wells at different elevations piped together
41	Pump had been operating
42	Leaking around pipeline fittings
52	Measuring point changed
53	Measured through cylinder drop pipe
56	Casing broken out
98	Casing leaking
113	Measured inside cylinder drop pipe
114	Measured inside cylinder drop pipe

Water quality data on these wells is not yet complete.

Keith E. Andersen

Keith E. Andersen, Chief Engineer

F 300 B 4M 7-78

Additional Water Wells In Edgemont Project Area

No.	Owner	Use	Depth	Probable Aquifer	Remarks
135	Mike Ringer	D,S	360	Lakota	Drilled 1977 - Submersible Pump
136	Ed Dodson	D,S		Spring	Source Uncertain
137	USFS	S			Windmill
138	John Carlson	D	100	Fall River	Drilled 1977, flows, Jet Pump
139	Gerald Darrow	S	620	Lakota	Drilled 1978, flows 20 gpm
140	Ken Barker	D,S			
141	Howard Henderson	S		Spring	Source Uncertain
142	Jack Standen	D,S	280	Fall River	Submersible Pump
143	Jeff Schultz	D,S	1,640	Fall River	Drilled 1962, Submersible Pump @ 440
200	George Hey	D,S	108	Sundance	Water Level 52.7', Submersible Pump
201	George Hey	S	110	Sundance	Pump Jack
202	George Hey	S	200	Sundance	Water Level 16.7'
203	Donald Spencer	D,S	200	Sundance	Submersible Pump at 160
204	Donald Spencer	U	170	Sundance	
205	Mason Miller	U	108	Sundance	Water Level 24.5
206	Mason Miller	D,S	200	Sundance	Water Level 18.4, Jet Pump
207	Mason Miller	D,S			Submersible Pump, Pipeline
208	Mason Miller	S	179	Sundance	Pump Jack
209	Donald Spencer	U	247	Sundance	Water Level 145.2
210	George Hey	S	125	Sundance	Pump Jack
211	Donald Spencer	S	161	Sundance	Pump Jack - Water Level 8.14
212	Carl Reutter	S	2,204		Flows 1.5 gpm, old oil test
213	George Hey	S	100	Sundance	Submersible Pump, Water Level 34.1
214	George Hey	S	270	Sundance	Water Level 39.1
215	Claude Smith	S	900		Water Level 60.7, Submersible Pump, Pipeline
216	Claude Smith	U			Water Level 217.9
144		S.O			Water Level 368.4'

Additional Water Wells In Edgemont Project Area

Well No.	Location
135	T 8 S, R 2 E, Sec. 1 bd
136	T 8 S, R 2 E, Sec. 5 bb
137	T 7 S, R 2 E, Sec. 17 bd
138	T 6 S, R 1 E, Sec. 18 a
139	T 41 N, R 60 W, Sec. 18 dd
140	T 9 S, R 3 E, Sec. 19 bc
141	T 10 S, R 3 E, Sec. 20 aa
142	T 7 S, R 2 E, Sec. 35 bd
143	T 8 S, R 1 E, Sec. 30 dc
200	T 7 S, R 2 E, Sec. 13 ca
201	T 7 S, R 2 E, Sec. 13 ca
202	T 7 S, R 2 E, Sec. 13 ca
203	T 7 S, R 2 E, Sec. 12 cd
204	T 7 S, R 2 E, Sec. 12 cb
205	T 7 S, R 2 E, Sec. 12 ac
206	T 7 S, R 2 E, Sec. 12 ac
207	T 7 S, R 2 E, Sec. 12 aa
208	T 7 S, R 2 E, Sec. 2 bc
209	T 7 S, R 2 E, Sec. 3 da
210	T 7 S, R 2 E, Sec. 2 bd
211	T 7 S, R 2 E, Sec. 12 ba
212	T 8 S, R 3 E, Sec. 8 db
213	T 7 S, R 3 E, Sec. 20 dc
214	T 7 S, R 3 E, Sec. 18 cd
215	T 6 S, R 2 E, Sec. 27 dd
216	T 6 S, R 2 E, Sec. 22 aa
144	T9S, R3E, Sec. 21
145	T8S, R2E, Sec 3 dc
146	T9S, R2E, Sec 21 bc

Additional Water Wells In Edgemont Project Area

No.	Owner	Use	Depth	Probable Aquifer	Remarks
135	Mike Ringer	D,S	360	Lakota	Drilled 1977 - Submersible Pump
136	Ed Dodson	D,S		Spring	Source Uncertain
137	USFS	S			Windmill
138	John Carlson	D	100	Fall River	Drilled 1977, flows, Jet Pump
139	Gerald Darrow	S	620	Lakota	Drilled 1978, flows 20 gpm
140	Ken Barker	D,S			
141	Howard Henderson	S		Spring	Source Uncertain
142	Jack Standen	D,S	280	Fall River	Submersible Pump
143	Jeff Schultz	D,S	1,640	Fall River	Drilled 1962, Submersible Pump @ 440
200	George Hey	D,S	108	Sundance	Water Level 52.7', Submersible Pump
201	George Hey	S	110	Sundance	Pump Jack
202	George Hey	S	200	Sundance	Water Level 16.7'
203	Donald Spencer	D,S	200	Sundance	Submersible Pump at 160
204	Donald Spencer	U	170	Sundance	
205	Mason Miller	U	108	Sundance	Water Level 24.5
206	Mason Miller	D,S	200	Sundance	Water Level 18.4, Jet Pump
207	Mason Miller	D,S			Submersible Pump, Pipeline
208	Mason Miller	S	179	Sundance	Pump Jack
209	Donald Spencer	U	247	Sundance	Water Level 145.2
210	George Hey	S	125	Sundance	Pump Jack
211	Donald Spencer	S	161	Sundance	Pump Jack - Water Level 8.14
212	Carl Reutter	S	2,204		Flows 1.5 gpm, old oil test
213	George Hey	S	100	Sundance	Submersible Pump, Water Level 34.1
214	George Hey	S	270	Sundance	Water Level 39.1
215	Claude Smith	S	900		Water Level 60.7, Submersible Pump, Pipeline
216	Claude Smith	U			Water Level 217.9
144		S.O			Water Level 368.4'

Additional Water Wells In Edgemont Project Area

Well No.	Location
135	T 8 S, R 2 E, Sec. 1 bd
136	T 8 S, R 2 E, Sec. 5 bb
137	T 7 S, R 2 E, Sec. 17 bd
138	T 6 S, R 1 E, Sec. 18 a
139	T 41 N, R 60 W, Sec. 18 dd
140	T 9 S, R 3 E, Sec. 19 bc
141	T 10 S, R 3 E, Sec. 20 aa
142	T 7 S, R 2 E, Sec. 35 bd
143	T 8 S, R 1 E, Sec. 30 dc
200	T 7 S, R 2 E, Sec. 13 ca
201	T 7 S, R 2 E, Sec. 13 ca
202	T 7 S, R 2 E, Sec. 13 ca
203	T 7 S, R 2 E, Sec. 12 cd
204	T 7 S, R 2 E, Sec. 12 cb
205	T 7 S, R 2 E, Sec. 12 ac
206	T 7 S, R 2 E, Sec. 12 ac
207	T 7 S, R 2 E, Sec. 12 aa
208	T 7 S, R 2 E, Sec. 2 bc
209	T 7 S, R 2 E, Sec. 3 da
210	T 7 S, R 2 E, Sec. 2 bd
211	T 7 S, R 2 E, Sec. 12 ba
212	T 8 S, R 3 E, Sec. 8 db
213	T 7 S, R 3 E, Sec. 20 dc
214	T 7 S, R 3 E, Sec. 18 cd
215	T 6 S, R 2 E, Sec. 27 dd
216	T 6 S, R 2 E, Sec. 22 aa
144	T9S, R3E, Sec. 21
145	T8S, R2E, Sec 3 dc
146	T9S, R2E, Sec 21 bc

#	S.	to Electricity	Dia.	Condition	Setting, Capacity, Age, etc.	Use	Requirement	
1	S	300 ft.	4"	25 yrs. - fair	none			
2	D.S.I.	300 ft.	5"	45 yrs. - poor	none			casing rusted out - flowing around casing
3	S	1/2 mile	4"	10 yrs.	none			oil test open hole from top of F. R.
4	S.I.	700 ft.	3"	10 yrs. - poor	none			oil test flowing around casing
5	S	2 miles	5"	10 yrs. - fair	none			oil test - open hole from top of FR
6	S	1 mile	12"	20 yrs.	none			
7 FR	D	on site	6"	20 yrs.	jet pump at 25 ft.			
7 LAK	S.I.	" "	5½"	40 yrs. - poor	none			
8 FR	D.I.	on site		45 yrs. - poor	jet pump in basement			
8 LAK	S.I.	on site	6"	45 poor	none			
9	S	1 mile	6"	10 yrs.	none			
10	S	2 miles		2 yrs. - good	pump jack			
11	S	1/2 mile	8"	10 yrs.	none			oil test
12	S	2000 ft.	4½"	10 yrs. - poor	none			open hole from top FR
13	D.S.I.	on site	5"	20 yrs. - fair	none			
14	S	1/2 mile	4"	poor	none			first pump test stopped flow - well not used since flow stopped
15	S	on site	4"	fair	cylinder type			

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
16	S	on site	4½	1 yr. - good	no pump installed yet			
17	S	2 miles	UNK.		windmill			
18	D.S.I.	on site	4"	48 yrs.	pressure pump			
19	S	1 mile	6"	16 yrs. - fair	pump jack			
20	D.S.I.	on site	6"	51 yrs. - poor	shallow well jet pump			casing rusted out - was repaired
21	S	1½ mile	7"	65 yrs.	none			oil test
22	S	on site	3"	10 yrs. - good	cylinder type			
23	S	1 mile	6"		none			
24	D.S.	on site	3"		none			
25	S	2 miles	4½"		windmill			
26	S	1 mile	5"		windmill			
27	S	on site	12"		submersible pump			serues pipeline
28	S	1/2 mile	6"	poor	none			
29	S	1/2 mile	5"	poor	none			casing rusted out
30	D.I.	on site	6"	24 yrs.	deep well jet pump set @ 80 ft			

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
30	S	on site	6"	cleaned 1977 22 years	none			
31	D.S.I.	on site	$5\frac{1}{2}$"	28 yrs.	none			
32	D.S.I.	on site	6"		pump type unknown			
33	D.S.	on site	5"	32 yrs.	none			
34	S	1 mile	$2\frac{1}{2}$"		none			2 wells - one does not flow and is not used
35		2 miles	8	poor	windmill			
36	S	$1\frac{1}{2}$ mile	4"	poor	none			
37		$2\frac{1}{2}$ miles	$5\frac{1}{2}$	poor	cylinder type			
38	S	$\frac{1}{2}$ mile	4'	26 yrs.	none			
39	S	$\frac{1}{2}$ mile	5"	poor	windmill			
40	D.S.I.	on site	6"	8 yrs.	none			) piped together
40	D.S.I.	on site	6"	31 yrs. poor	none			
41	D.S.I.	on site	6"		submersible			serues pipeline
42	D.S.I.	on site	5"	33 yrs. poor	none			casing rusted out and repaired
43	D	on site	4"	poor	submersible			

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
44	S	1/2 mile	6"	20 yrs.	none			
45	S	on site	4"	8 yrs. poor	none			
46	D.S.	1/2 mile	6"	18 yrs. poor	none			oil test - leaking around casing
47	D.S.I.	on site	6"	18 yrs. fair	none			
48	S	on site	2½"	10 yr.	none			
49	S	1 mile	4"	3 yrs.	none			
50 N	S	2 miles	4"	40 yrs. poor	none			
50 S	S	2 miles	6"	5 yrs. poor	none			surface casing only ?
51	S	1 mile	10"	80 yrs. poor	none			repaired 1930's ?
52	S	1/2 mile	2½"		none			
53	S	1 mile	6"		windmill			
54	S	1500 ft.	6"		none			
55	S	2000 ft.	6"		none			
56	D.S.I.	on site	3"	10 yrs. poor	submersible			leaking around casing
57	S.I.	1/2 mile	4"		none			

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
58	S	100 ft.	6"		none			
59	S	1500 ft.	4"	poor	none			
60	S	1 mile	UNK.		windmill			
61	U	3 miles	5"		pump jack			
62	S	1½ mile	6"	1 yr. good	none			well replaced 1977
63	S	2000 ft.	5"		none			
64	S	1/2 mile	2½"	poor	none			
65	U	1/2 mile	6"	poor	none			
66	S	Approx. ½ mile	5"		none			
67	S	Approx. ½ mile	5"	poor	none			
68	D	on site	4"		none			
68	S.I.	on site	4"		none			
69	S	400 ft.	6"	18 yrs.	none			
70	S	2000 ft.	4"	7 yrs. poor	none			open hole from top Fall River
71	D	on site	5"		pump type unknown			

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
72	S.I.	on site	6"	32 yrs. poor	none			
73	D.S.I.	on site	5"	2 yrs. good	submersible			
74	S	1/2 mile	5"	30 yrs. poor	none			casing rusted out
75	S	Approx. 1 mile	5"		windmill			pumps dry
76	S	Approx. 1½ mile	7"	18 yrs. poor	none			casing rusted out
77	S	Approx. 1½ Mile	5"	poor	none			casing rusted out
78	D.S.	on site	5"		cylinder			
79	D.S.I.	on site	6"		submersible set at 250'			
80	S	Approx. 3000 ft.	6"		cylinder			
81	S	Approx. 1½ mile	4"		none			
82	S	Approx. 1½ mile	4½"		none			
83	S	Approx. 1 mile	6"		cylinder			
84	S	Approx. 1 mile	2"		none			
85	D	on site						
86	S	1/2 mile	4"	poor	cylinder			stopped flowing when well #66 flowing uncontrolled about 1970

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
87	U	3/4 mile	4"	poor	none			same as 86
88	S.U.	1500 ft.	8"	poor	none			was used with pump jack in 1977 - not used in 1978
88	S	on site	6"		pump type unknown probably submersible			serues pipeline
89	D.S.	on site	6"	good	submersible			serues pipeline
90	S.U.	on site	6"		none			oil test
91	S	1 mile	5"		windmill			
92	D.S.I.	on site	4½"		submersible			
93	D.S.I.	on site	2"		submersible			
93	S.U.	on site	6"		none			
94	S	on site	5"		none			
95	D.S.I.	on site	10"		submersible			serues pipeline
96	D.S.I.	on site	5"		none			
97	S	1 mile	4"	poor	none			cased to 200"
98	S	2 miles	10'	poor	none			oil test
99	D.S.I.	on site	4"		none			

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
100	S		8"		none			
101	D S	on site	7"		submersible			serues extensive pipeline
102	DSI	on site	5"	fair	none			
103	S	1 mile	4"		none			
104	S	1 mile	$4\frac{1}{2}$"		Jensen jack			
105	S	3 miles	4"		pump jack			
106	S	1/2 mile	4"		none			
107	DSI	on site	5"	poor	none			
108	DSI	on site	6"	poor	none			
109	DSI	on site	6"		submersible - set @ 90'			
110	SI	on site	$6\frac{1}{2}$"		submersible			
111	SU	200 ft.	4"		none			
112	S	1 mile	$4\frac{1}{2}$		windmill			
113	S	2 miles	UNK		windmill			
114	S U	3 miles	UNK		windmill			

D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
DSI	on site	3½"		jet pump			
U	on site	1"		none			
S.I.	on site	6"		submersible pump			
S	1500 ft.	9½	poor	none			oil test
S	on site	5"		submersible pump			
S	on site	2"		pump jack			
S	1½ mile	5"		none			
S	5 miles	7"		windmill			
S	4½ mile	6"		cylinder			
S	5 miles	4"		windmill			
S	1½ miles	6"	poor	none			casing rusted off
DST	on site	6½"		none			
S	2 miles	6"	poor	none			oil test - casing rusted off
S	2½ miles	2"	poor	none			oil test

Well #	D. S.	Distance to Electricity	Well Dia.	Age and Condition	Pump Information-Type Setting, Capacity, Age, etc.	Season of Use	Water Requirement	Remarks
130	U	on site	UNK		none			covered up by owner H_2S is not used
131	S	200 ft.	3"		none			
132	S.I.	on site	approx.5"		pump type unknown			
133	U	1500 ft.	6"		none			
134	S.U.	on site	1"		UNK			

WELL #	DEWEY TEST WELL	D-1 FR	D-1 Fu	D-1 LK	D-2 LK	D-3 FR	D-3 LK	D-4 FR	D-4 LK	D-5 LK	D-6 LK	D-7 FR
Hole Number	DWT-99	DWM-51	54	46	47	49	48	52	50	55	56	DXM-1
Date Drilled	10-17-81	7-21-81	9-04-81	7-07-81	7-09-81	7-16-81	7-14-81	7-23-81	7-20-81	9-09-81	9-11-81	7-30-81
Date Completed	10-17-81	8-14-81	9-14-81	8-13-81	8-14-81	8-18-81	8-18-81	8-17-81	8-17-81	9-15-81	9-15-81	7-30-81
Depth Cased	694	504	609	712	692	505	715	503	714	735	715	120
Depth Completed	801	580	620	800	800	590	800	580	780	835	810	120
X-Coord.	80798	80923	80982	80972	80710	80385	80416	81564	81618	81126	80004	76979
Y-Coord.	214898	215036	215035	214972	215068	215595	215658	215330	215281	214090	214495	219008
Collar Elev.	3736.2	3737.3	3741.1	3741.4	3728.5	3738.0	3744.3	3753.5	3751.4	3747.7	3723.3	3723.9
"r"		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SWL (12-3-81)	34.16	26.23	32.16	39.68	26.56	21.03	42.37	34.22	49.68	45.86	21.42	Surface

Coordinates (SKM Grid) and Elevations for Burdock Area Observation Wells

Well	Aquifer	Coordinates		Measuring Point Elevation	Height of Measuring Point Above Ground Level
Original Nine Wells					
B-1 FR	Kf	90,856 E	188,869 N	3622.07	- 1.0 ft.
B-2	K_l	90,808 E	188,859 N	3621.08	0
B-3 FR	K_f	93,532 E	190,992 N	3701.16	2.0 ft.
B-3	K_l	93,583 E	191.005 N	3701.63	1.6 ft.
B-4	K_l	95,531 E	190,551 N	3679.45	2.58 ft.
B-5	K_l	97,944 E	191,909 N	3731.04	1.9 ft.
B-6 FR	K_f	91,925 E	192,493 N	3642.64	0
B-6	K_l	91,874 E	192,472 N	3644.12	0
B-8	K_l	100,952 E	193,839 N	3788.58	2.0 ft.
Burdock Well	K_f,K_l	91,081 E	189,167 N	3624.16 = GL Elevation	
Four Additional Wells					
B-7 FR	K_f	93,303 E	190,402 N	3671.24	1.75 ft.
B-7	K_l	93,279 E	190,373 N	3671.1	2.08 ft.
B-9 FR	K_f	91,389 E	187,658 N	3605.42	3.0 ft.
B-9	K_l	91,389 E	187,658 N	3605.42	2.6 ft.
Seven Replacement Wells					
B-2 LAK	K_f	90,776 E	188,900 N	3621.11	1.3 ft.
B-2 FU	K_{lf}	90,767 E	188,841 N	3619.96	0
B-10 FR	K_f	91,221 E	189,275 N	3631.19	1.4 ft.
B-10 FU	K_{lf}	91,265 E	189,344 N	3630.31	1.6 ft.
B-10 LAK	K_l	91,206 E	189,317 N	3631.24	1.6 ft.
B-11 FR	K_f	90,805 E	189,721 N	3623.94	0
B-11 LAK	K_l	90,843 E	189,739 N	3624.82	1.0 ft.

Water Wells in Edgemont Project Area

Map #	Owner	Use	Depth	Probable Aquifer	Remarks
1	Peterson & Son Inc.	Stock	600	K 1	Flowing 1.1 gpm, stopped during test. Casing was cut off closer to ground & flow recovered to 1.3 gpm, 6 wks after test.
2	Peterson & Son Inc.	Domestic	640	K 1	Flowing est. 15 gpm.
3	Peterson & Son Inc.	Stock	Oil test		Flowing 3 gpm.
4.	Peterson & Son Inc.	Stock	Oil Test		Couldn't measure- broken out around casing. Also used by Glen Peterson for garden.
5.	Peterson & Son Inc.	Stock	Oil Test		Plugged at 850", possible Sundance flow. Flowing 6.6 gpm, slowed to 5 gpm during test
6.	Glen Peterson	Stock	280'	K f	SWL 11'2", Siphon Arrangement into tank.
7.	Glen Peterson " "	Domestic	500' 200"	K 1 K f	Flowing 4.25 gpm. Slowed to 3.6 during test SWL 12' 8"
8.	Leslie Coates " "	Domestic	500 240	K 1 K f	Flowing 4.2 gpm. Flow est. 1 gpm. Pumped to house.
9.	Leslie Coates	Stock	90 ?	K f	Flowing 2.5 gpm.
10	Leslie Coates	Stock	200	K 1	SWL 78' New well.
11	Leslie Coates	Stock	Oil test		Flowing 5 gpm.
12	Leslie Coates	Stock	730'	K 1	Flowing 0.6 gpm, slowed to < 0.1 gpm during test. Recovered to 0.3 gpm after 6 weeks.
13	Miles Spencer	Domestic	500	K 1	Flowing 2.5 gpm., slowed to 1.2 gpm during test, Recovered to 2.0 gpm after 6 weeks.
14.	Earl Darrow	Stock	470	K 1	Barely flowing. Stopped during test. SWL recovered to 1.0 ft.
15	Earl Darrow	Stock	280	K 1	Pump jack, couldn't measure accurately SWL approximately 24'
16	Earl Darrow	Stock	330	K 1	New well, SWL 157' 7"
17	H. P. Heck	Stock	156	K f	Windmill, couldn't measure
18	Dick Andersen	Domestic	527	K f	Flowing 7.5 gpm.

Water Wells in Edgemont Project Area

Map #	Owner	Use	Depth	Probable Aquifer	Remarks
19	Dick Andersen	Stock	740	K f	Pump jack, couldn't measure.
20	Edwin Andersen	Domestic	530	K f	Flowing 4.5 gpm.
21.	Tubbs Ranch	Stock	910	K f	Flowing 14 gpm.
22.	Coates, Andersen	Stock	800	K f	Pump jack, reported SWL 30'
23	Tubbs Ranch	Stock	600	K f	Flowing 0.8 gpm.
24	Tubbs Ranch	Domestic			Siphon arrangement, water level 23'
25	Tubbs Ranch	Stock			Windmill, couldn't measure, reported to barely flow.
26	Tubbs Ranch	Stock	350	K f	Windmill, couldn't measure, reported to barely flow.
27	Tubbs & Schultz	Stock	900	K 1	Submersible pump to pipeline. SWL 15'
28	Tubbs Ranch	Stock	300	K f	Will flow 20 gpm. H2S
29	B. Childers	Stock			Wild well, flowing est. 35 gpm. H2S around casing.
30	Harold Dodson	Domestic	120	K f	Barely flows, pumped to house.
	" "	Stock	120	K f	Flows 0.75 gpm
31	F. A. Heck	Domestic	104	K f	Flows 1.3 gpm.
32	Tony Bryan	Domestic	90	K f	Pumped to house, couldn't measure, flow est. ½ gpm.
33	H. P. Heck	Domestic	96	K f	Piped into house, flowing reported 1.25 gpm
34	Tony Bryan	Stock	330	K 1	2 wells, one no flow & not used, one flows 1.5 gpm.
35	Tony Bryan	Stock	148	K 1	Pumped well, not visited.
36	Tony Bryan	Stock	255	K 1	Flowing 10 gpm .
37	Tony Bryan	Stock	145	K 1	Pumped well, not visited
38	Lloyd Putnam	Stock	550	K 1	Flowing 1.5 gpm.
39	Norris Darrow	Stock	700	K 1	Windmill, reported SWL 15'
40	Norris Darrow	Domestic Domestic	660 700	K 1 K 1	Two wells piped together, both flow, but couldn't measure

Water Wells in Edgemont Project Area

Map #	Owner	Use	Depth	Probable Aquifer	Remarks
1	Robert Bakewell	Domestic			Flows 12 gpm.
2	Lloyd Putnam	Domestic	600	K 1	Flows est. 25 gpm.
3	Preston Richardson	Domestic	350	K 1	Submersible pump, couldn't measure, stopped flowing when old Triangle mine dewatered.
4	Harold Dodson	Stock	130	K f	Will flow est. 40 gpm.
5	Harold Dodson	Stock	190	K f	Flows 3.1 gpm. H2S
6	Harold Dodson	Stock	Oil test	K f	Plugged at 140', but couldn't measure. Flowing around casing.
7	Harold Dodson	Stock	90	K f	SWL 10'
8	Norris Darrow	Stock	725	K 1	Will flow est. 60 gpm.
9	Norris Darrow	Stock	600	K 1	Flows 5 gpm.
50	Lloyd Putnam	Stock	609	K 1	Flows 1.5 gpm., may be 2 wells piped together.
51	Burlington R.R.	Stock	550	K 1	Flows 15.5 gpm., used by Leslie Coates.
52	Tony Bryan	Stock			Flows 2.8 gpm.
53	Tony Bryan	Stock			Windmill, couldn't measure.
54	Tony Bryan	Stock	90	K f	Flows 0.5 gpm.
55	Tony Bryan	Stock	92	K f	Flows 9 gpm.
56	Effie Gow	Domestic	300	K 1	Broken out around casing, flowing
57	Effie Gow	Garden	270	K 1	Couldn't measure, reported 100+ gpm. H2S Used by Rev. Brown to irrigate garden.
58	F. A. Heck	Stock	100+	K f	Flows 4 gpm.
59	F. A. Heck	Stock	118	K f	Flows 2.8 gpm H2S
60	F. A. Heck	Stock			Windmill, couldn't measure.
61	Earl Darrow	Stock	525	K 1	Pumpjack, couldn't measure.
62	F. A. Heck	Stock			Couldn't measure, flowing est. 2 gpm into covered tank.

Water Wells in Edgemont Project Area

Map #	Owner	Use	Depth	Probable Aquifer	Remarks
63	Tony Bryan	Stock	100+	K f	Flows 1.5 gpm.
64	Leonard McElhaney	Stock			Flows 5 gpm H2S, may flow more through big valve.
65	" "	?			2 wells, one windmill, SWL 15', neither apparently used.
66	" "	Stock			Valve at well head shut off except for small line to H. Dodson's stock tank. Reported by Keene as flowing 270 gpm. in 1970
67	Leonard McElhaney	Stock			Flows 25 gpm. H2S.
68	" "	Domestic	230	K l	Piped to house, couldn't measure.
		Stock	230	K l	Flows 6 gpm.
69	H. P. Heck	Stock	130	K f	Flows 1.2 gpm.
70	H. P. Heck	Stock	375	K f, K l	Flows 1.0 gpm.
71	Ed Benton	Domestic		K f	Pumped to house, reported to barely flow
72	Ed Benton	Stock	212	K f	Yard water, Flows 13 gpm H2S
73	Ed Benton	Stock	560	K l	Flows 1.6 gpm.
74	Ed Benton	Stock	305	K f	Casing rusted out, flows, couldn't measure
75	Ed Benton	Stock	430	K f	Windmill, reported to pump dry
76	Ed Benton	Stock	420	K f	Broken out around casing, est. 7 or 8 gpm.
77	Darrell Heldman	Stock	400	K f	Broken out around casing, est. 5 gpm.
78	" "	"	410	K f	Pump jack, Keene reports SWL 30'
79	B. Childers	Domestic	337	K f	Couldn't measure, pump set at 250'
80	" "	Stock	650	K l	Pump jack, Keene reports SWL 100'
81	" "	"	440	Kl	Flows 4 gpm, sl. H2S
82	" "	"	200	K f	Flows 9 gpm., H2S
83	" "	"	270	K f	Pump jack, couldn't measure.

Water Wells in Edgemont Project Area

Map #	Owner	Use	Depth	Probable Aquifer	Remarks
84	Dick Miller	Stock	155	K f	Flows 0.25 gpm.
85	Tubbs Ranch	Domestic	415	K f	Pumped to house, Reported SWL 30'
86	Tubbs Ranch	Stock	360	K f	Pump jack, SWL reported 20'
87	Tubbs Ranch	Appears abandoned	380	K f	Plugged with wooden plug. Reported SWL 20'
88	Tubbs Ranch	Appears abandoned	320	K f	Two wells, one may be caved in, one SWL 10'
89	Porter & Benton	Pipeline	860	K l	Submersible pump, runs extensive pipeline. SWL reported 5'
90	B. Childers	Stock	Oil test		SWL 1.0 '
91	Carl Reutter	Stock	150	K f	Windmill SWL 34'
92	Carl Reutter	Domestic	298	K f	Pumped to house, Keene reports SWL 132'
93	Bob Runge	Domestic	200	K l	Two wells, couldn't measure, Keene reports SWL 80'
94	Bob Runge	Stock	200+	K l	Flows 0.75 gpm.
95	Wayne Jackson	Pipeline	~~800~~ 860	K f	Barely flows, submersible pump to pipeline.
96	Billy Stearns	Domestic	560	K l	Flows 4.8 gpm.
97	Billy Stearns	Stock		K l	Uranium test cased to 200', hole reported to be caving below that & sealing off flow. Flows.
98	Billy Stearns	Stock	Oil test		Leaking around top of casing, flows est 2 g
99	Gerald Darrow	Domestic	420	K l	Flows 2.2 gpm.
100	" "	Stock	530	K l	Flows 150 gpm (by Hodson) apparently used to fill water trucks.
101	" "	Morresy Pipeline	665	K l	Pipeline serves ranches west, submersible pump. Hodson reports flow 3 gpm.
102	Lloyd Darrow	Domestic	267	K l	Will flow est. 100 gpm. Sells water
103	Lloyd Darrow	Stock	350	K l	Flows 1.3 gpm.

Water Wells in Edgemont Project Area

Map #	Owner	Use	Depth	Probable Aquifer	Remarks
104	Lloyd Darrow	Stock		K 1	Jensen jack, reported SWL 6'
105	Lloyd Darrow	Stock		K 1	Not visited, reported SWL 8 to 10'
106	Lloyd Darrow	Stock			Flows 3.5 gpm.
107	Earl Darrow	Domestic	90	K f	Pumped into house, flow est. 1 gpm.
108	Chet Taylor	Domestic	90	K f	Taylor lives here part of time. Info reported by Earl Darrow. Flow rep. 1 gpm
109	Vivian Cook	Domestic	220	K1	Reported SWL 22'
110	Vivian Cook	Stock	240	K 1	Reported SWL 30'
111	Vivian Cook	Not used	100	K f	Owner plans to develop, reported SWL 5'
112	Miles Spencer	Stock	120	K f	Windmill, couldn't measure.
113	Miles Spencer	Stock			Back up well for Spencer pipeline.
114	No info				Forest Service.
115	Bud Hollenbeck	Domestic		K f	Flows 3 gpm.
116	Bud Hollenbeck			K f	Flows 2.75 gpm. At Dewey Post Office.
117	Bud Hollenbeck	Stock Garden			Submersible Pump. SWL 27'
118	Bud Hollenbeck	Stock	Oil test		Flowing out of casing at ground level
119	Bud Hollenbeck	Stock			Submersible pump, reported SWL 6'
120	Forest Service	Stock			Pumpjack, couldn't measure.
121	Bud Hollenbeck	Stock	430	K 1	Will flow?? est. 100 gpm.
122	Bud Hollenbeck	Stock			Windmill, couldn't measure.
123	Bud Hollenbeck	Stock			Pump jack, couldn't measure.
124	Bud Hollenbeck	Stock			Not visited, reported windmill.
125	Bud Hollenbeck	Stock			Casing rusted off. Flows at ground level.
126	Francis Carr	Domestic		K 1	Flows, couldn't measure.
127	Francis Carr	Stock	Oil test	K 1	Casing rusted off, flows at ground level.

Water Wells in Edgemont Project Area

Map #	Owner	Use	Depth	Probable Aquifer	Remarks
128	Francis Carr	Stock	Oil test	K 1	Couldn't measure, est. 5 gpm.
129	There are several old oil tests in this area. The ones reported as being used are reported above. There appears to be some flow from some of these but the casings seem to be bad and all there is now are some marshy areas. Some use of water for stock from these is possible.				
130	Dick Miller	Domestic	155	K f	?
131	Dick Miller	Stock	110	K f	Flows 0.8 gpm
132	Dick Miller	Stock	300	K 1	Flows est. 2 gpm
133	Dick Miller	Stock	300	K 1	Not contacted. Information from Keene
134	Roberts & Daniels	Stock	860		

WATER WELLS IN EDGEMONT PROJECT AREA

Well No.	Location			
1	SE/4 SE/4	Sec. 9	T7S,R1E
2	SE/4 SE/4	Sec. 16	T7S,R1E
3	SW/4 NW/4	Sec. 22	T7S,R1E
4	SE/4 SE/4	Sec. 15	T7S,R1E
5	NE/4 NW/4	Sec. 14	T7S,R1E
6	NE/4 SE/4	Sec. 14	T7S,R1E
7	NW/4 NW/4	Sec. 23	T7S,R1E
8	NW/4 SE/4	Sec. 23	T7S,R1E
9	NE/4 NE/4	Sec. 23	T7S,R1E
10	NE/4 NE/4	Sec. 13	T7S,R1E
11	NW/4 SW/4	Sec. 24	T7S,R1E
12	SE/4 SE/4	Sec. 4	T7S,R1E
13	NW/4 NW/4	Sec. 3	T7S,R1E
14	NW/4 SW/4	Sec. 2	T7S,R1E
15	NW/4 NW/4	Sec. 2	T7S,R1E
16	NW/4 SE/4	Sec. 1	T7S,R1E
17	SE/4 NW/4	Sec. 12	T7S,R1E
18	NW/4 SW/4	Sec. 9	T7S,R1E
19	NW/4 NW/4	Sec. 18	T7S,R1E
20	NW/4 SW/4	Sec. 17	T7S,R1E
21	SW/4 NW/4	Sec. 19	T7S,R1E
22	NE/4 SW/4	Sec. 27	T40N, R60W
23	NW/4 NW/4	Sec. 29	T7S, R1E
24	NE/4 NW/4	Sec. 28	T7S,R1E
25	SE/4 NW/4	Sec. 27	T7S,R1E
26	SW/4 NE/4	Sec. 35	T7S,R1E
27	SE/4 SE/4	Sec. 33	T7S,R1E
28	NE/4 SW/4	Sec. 22	T8S,R2E
29	NE/4 NW/4	Sec. 16	T8S,R2E
30	SE/4 SE/4	Sec. 31	T7S,R2E
31	SW/4 NW/4	Sec. 31	T7S,R2E

Well No.	Location			
32	SW/4 SW/4	Sec. 30	T7S,R2E
33	NW/4 SE/4	Sec. 25	T7S,R1E
34	NW/4 NW/4	Sec. 30	T7S,R2E
35	SW/4 NE/4	Sec. 19	T7S,R2E
36	NW/4 NE/4	Sec. 30	T7S,R2E
37	NW/4 SW/4	Sec. 18	T7S,R2E
38	SW/4 NW/4	Sec. 33	T6S,R1E
39	NE/4 NE/4	Sec. 29	T6S,R1E
40	NW/4 SW/4	Sec. 30	T6S,R1E
41	SW/4 NW/4	Sec. 31	T6S,R1E
42	SW/4 NE/4	Sec. 5	T7S,R1E
43	SE/4 SW/4	Sec. 34	T6S,R1E
44	NW/4 SE/4	Sec. 31	T7S,R2E
45	NW/4 NW/4	Sec. 5	T8S,R2E
46	SW/4 NE/4	Sec. 31	T7S,R2E
47	SW/4 SW/4	Sec. 32	T7S,R2E
48	SE/4 NW/4	Sec. 19	T6S,R1E
49	SW/4 SW/4	Sec. 29	T6S,R1E
50	SW/4 SW/4	Sec. 28	T41N,R60W
51	SW/4 NE/4	Sec. 9	T7S,R1E
52	NE/ SE/4	Sec. 30	T7S,R2E
53	SW/4 NE/4	Sec. 30	T7S,R2E
54	NE/4 SE/4	Sec. 25	T7S,R1E
55	NW/4 NE/4	Sec. 36	T7S,R1E
56	SE/4 SE/4	Sec. 32	T7S,R2E
57	NE/4 SE/4	Sec. 5	T8S,R2E
58	NW/4 NE/4	Sec. 31	T7S,R1E
59	NE/4 NW/4	Sec. 5	T8S,R2E
60	NE/4 SW/4	Sec. 33	T7S,R2E
61	NW/4 SE/4	Sec. 11	T7S,R1E
62	SW/4 SW/4	Sec. 25	T7S,R1E
63	SW/4 NW/4	Sec. 36	T7S,R1E

Well No.	Location			
64	SW/4 NE/4	Sec.	9	T8S,R2E
65	NW/4 NE/4	Sec.	9	T8S,R2E
66	NE/4 NW/4	Sec.	8	T8S,R2E
67	SE/4 NW/4	Sec.	8	T8S,R2E
68	NE/4 NE/4	Sec.	8	T8S,R2E
69	SW/4 SE/4	Sec.	25	T7S,R1E
70	SE/4 SW/4	Sec.	25	T7S,R1E
71	NW/4 SE/4	Sec.	6	T8S,R2E
72	NW/4 SE/4	Sec.	6	T8S,R2E
73	NE/4 SW/4	Sec.	6	T8S,R2E
74	NE/4 SW/4	Sec.	6	T8S,R2E
75	SW/4 SW/4	Sec.	17	T8S,R2E
76	SE/4 NW/4	Sec.	17	T8S,R2E
77	NW/4 NE/4	Sec.	17	T8S,R2E
78	NE/4 SE/4	Sec.	20	T8S,R2E
79	NE/4 SE/4	Sec.	27	T8S,R2E
80	SW/4 NW/4	Sec.	35	T8S,R2E
81	SW/4 NW/4	Sec.	14	T8S,R2E
82	SW/4 SW/4	Sec.	10	T8S,R2E
83	NE/4 SW/4	Sec.	14	T8S,R2E
84	SW/4 NW/4	Sec.	10	T8S,R2E
85	NE/4 SE/4	Sec.	28	T8S,R2E
86	NW/4 SW/4	Sec.	6	T8S,R2E
87	NW/4 NE/4	Sec.	1	T8S,R1E
88	NE/4 SE/4	Sec.	35	T7S,R1E
88	SE/4 SE/4	Sec.	35	T7S,R1E
89	NW/4 NE/4	Sec.	11	T8S,R1E
90	SE/4 NW/4	Sec.	23	T8S,R2E
91	SE/4 NW/4	Sec.	12	T8S,R2E
92	SE/4 SW/4	Sec.	23	T8S,R2E
93	SE/4 NE/4	Sec.	2	T8S,R2E
94	SW/4 SW/4	Sec.	34	T7S,R2E

Well No.	Location		
95	SE/4	Sec. 25	T40N,R61W
96	SW/4 SW/4	Sec. 22	T41N,R60W
97	Not Located		
98	SW/4 NW/4	Sec. 17	T41N,R60W
99	NE/4 NE/4	Sec. 17	T41N,R60W
100	NW/4 SE/4	Sec. 7	T41N,R60W
101	SW/4 NE/4	Sec. 1	T41N,R61W
102	SW/4 NE/4	Sec. 18	T6S,R1E
103	NW/4 NW/4	Sec. 10	T41N,R60W
104	NW/4 SW/4	Sec. 10	T41N,R60W
105	SE/4 NW/4	Sec. 9	T41N,R60W
106	NE/4 NE/4	Sec. 18	T6S,R1E
107	SE/4 NE/4	Sec. 18	T6S,R1E
108	SE/4 NE/4	Sec. 18	T6S,R1E
109	NE/4 NW/4	Sec. 17	T6S,R1E
110	NE/4 NE/4	Sec. 17	T6S,R1E
111	NW/4 NE/4	Sec. 17	T6S,R1E
112	SE/4	Sec. 16	T6S,R1E
113	NE/4 SW/4	Sec. 6	T7S,R2E
114	NE/4 SW/4	Sec. 7	T7S,R2E
115	SE/4 NE/4	Sec. 18	T6S,R1E
116	SE/4 NE/4	Sec. 18	T6S,R1E
117	SW/4 SE/4	Sec. 8	T6S,R1E
118	NE/4 SE/4	Sec. 7	T6S,R1E
119	NW/4 NW/4	Sec. 8	T6S,R1E
120	NW/4 SW/4	Sec. 5	T6S,R1E
121	SW/4 SW/4	Sec. 31	T5S,R1E
122	NE/4 NW/4	Sec. 30	T5S,R1E
123	NE/4 NW/4	Sec. 21	T42N,R60W
124	NW/4 SW/4	Sec. 18	T5S,R1E
125	SW/4 SW/4	Sec. 6	T6S,R1E

Well No.	Location		
126	SE/4 SW/4	Sec. 16	T41N,R60W
127	SW/4 NE/4	Sec. 7	T41N,R60W
128	NW/4 SE/4	Sec. 1	T41N,R61W
129	Sec. 7	Sec. 5	T41N,R60W
130			
131	NW/4 SE/4	Sec. 4	T8S,R2E
132	NW/4 SE/4	Sec. 4	T8S,R2E
133			
134	SE/4 NW/4	Sec. 29	T40N,R60W

GROUND WATER RESOURCES IN FALL RIVER COUNTY

These wells, located in Fall River County, S. D., were not visited. Information is from "Ground Water Resources of the western half of Fall River County, S.D." by Keene, and from Silver King Mines, Inc. files.

LOCATION	OWNER	DEPTH	REMARKS
T7S, R2E, 35dd	Jack Standen	300 KL	SWL 200
T8S, R1E, 30dc	Schultz & Manke	1640 K L	SWL 240
T8S, R2E, 24ca	M. F. Childers	300 K f	
24cb	M. F. Childers		
36ad	V. Childers	320 K L	SWL 60
36ad	Brian Childers	172 K f	SWL 10
36cc	M. Fritz	138 K f	
36da	P. Koller	263 K f	SWL 15
36da	E. Chord	270 K f	
T8S, R3E, 4cb	Ed Stevens	175 K f	SWL 60
6db	Bob Runge	200 K f	
11bd	J. McKnight	150 K L	SWL 140
14ac	J. McKnight	140 K f	SWL 130
14bb	J. McKnight	K f Spring	
21dd	C. V. Gull	550 K L	
24ba	B. Miller	85 K L	SWL 30
25bd	C. V. Gull	50 K L	SWL 21
25cd	C. V. Gull	200 K L	SWL 50

GROUND WATER RESOURCES IN FALL RIVER COUNTY

Location	OWNER	DEPTH	REMARKS
T8S, R3E, scc29bb	John Curl	85 K f	SWL 30'
34cc	J. Koller	350 K L	SWL 45'
35bb	C. V. Gull	118 K f	SWL 91'
T8S, R4E, 6ac	J. Murdock	60 K f	Flows 1 gpm.
24ab	Ball Bros.	K f spring	
35ba	C. McClure	K f spring	
35bd	C. McClure	56 K L	SWL 54'
35bd	C. McClure	87 K L	SWL 80'
35cd	C. McClure	120 K L	SWL115'
T9S, R1E, 20dd	Pfister & Danks	2010 Kf, K L	
T9S, R2E, 1bc	D. DuToit	550 K L	SWL 25'
4cd	O. Eberle	860 K f	SWL 360'
21bb	R. Porter	1228 K L	SWL 250'
T9S, R3E, 3bd	J. Koller	250 K L	SWL 40'
9ac	P. Erschen	400 K f	
15ac	M. Helsel	180 K f	SWL 130' ??
24bb	M. Helsel	130 K L	SWL 110'
25dc	M. Helsel	220 K f, K L	SWL 165' ?
26	M. Helsel	840 K f	
33dd	R. Heppner	1020 K f	

GROUND WATER RESOURCES IN FALL RIVER COUNTY

LOCATION	OWNER	DEPTH	REMARKS
T9S, R4E, 9cd	B. Cox	161 K L	SWL 20'
16cd	Gene Miller	150 K f	SWL 20'
13db	A. Landers	85 K f	SWL 40'
13db	A. Landers	400 K L	SWL 55'
13da	A. Landers	60 K f	
14bc	Ball Bros.	120 K f	SWL 35'
15ac	Ball Bros.	120 K f	SWL 40'
17da	Ball Bros.	160 K L	SWL 60'
19cc	A. Landers	255 K L	
19cd	J. Manke	320 K L	SWL 250'
20ca	J. Manke	216 K L	SWL 176'
21cd	J. Manke	90 K f	SWL 67'
28bc	J. Manke	105 K f	Flows
30db	J. Manke	233 K L	SWL 75'
T10S, R3E,15ba	H. Henderson	1250 K f	SWL 300'

Additional Water Wells In Edgemont Project Area

No.	Owner	Use	Depth	Probable Aquifer	Remarks
135	Mike Ringer	D,S	360	Lakota	Drilled 1977 - Submersible Pump
136	Ed Dodson	D,S		Spring	Source Uncertain
137	USFS	S			Windmill
138	John Carlson	D	100	Fall River	Drilled 1977, flows, Jet Pump
139	Gerald Darrow	S	620	Lakota	Drilled 1978, flows 20 gpm
140	Ken Barker	D,S			
141	Howard Henderson	S		Spring	Source Uncertain
142	Jack Standen	D,S	280	Fall River	Submersible Pump
143	Jeff Schultz	D,S	1,640	Fall River	Drilled 1962, Submersible Pump @ 440
200	George Hey	D,S	108	Sundance	Water Level 52.7', Submersible Pump
201	George Hey	S	110	Sundance	Pump Jack
202	George Hey	S	200	Sundance	Water Level 16.7'
203	Donald Spencer	D,S	200	Sundance	Submersible Pump at 160
204	Donald Spencer	U	170	Sundance	
205	Mason Miller	U	108	Sundance	Water Level 24.5
206	Mason Miller	D,S	200	Sundance	Water Level 18.4, Jet Pump
207	Mason Miller	D,S			Submersible Pump, Pipeline
208	Mason Miller	S	179	Sundance	Pump Jack
209	Donald Spencer	U	247	Sundance	Water Level 145.2
210	George Hey	S	125	Sundance	Pump Jack
211	Donald Spencer	S	161	Sundance	Pump Jack - Water Level 8.14
212	Carl Reutter	S	2,204		Flows 1.5 gpm, old oil test
213	George Hey	S	100	Sundance	Submersible Pump, Water Level 34.1
214	George Hey	S	270	Sundance	Water Level 39.1
215	Claude Smith	S	900		Water Level 60.7, Submersible Pump, Pipeline
216	Claude Smith	U			Water Level 217.9
144		S,O			Water Level 368.4'

Additional Water Wells In Edgemont Project Area

Well No.	Location
135	T 8 S, R 2 E, Sec. 1 bd
136	T 8 S, R 2 E, Sec. 5 bb
137	T 7 S, R 2 E, Sec. 17 bd
138	T 6 S, R 1 E, Sec. 18 a
139	T 41 N, R 60 W, Sec. 18 dd
140	T 9 S, R 3 E, Sec. 19 bc
141	T 10 S, R 3 E, Sec. 20 aa
142	T 7 S, R 2 E, Sec. 35 bd
143	T 8 S, R 1 E, Sec. 30 dc
200	T 7 S, R 2 E, Sec. 13 ca
201	T 7 S, R 2 E, Sec. 13 ca
202	T 7 S, R 2 E, Sec. 13 ca
203	T 7 S, R 2 E, Sec. 12 cd
204	T 7 S, R 2 E, Sec. 12 cb
205	T 7 S, R 2 E, Sec. 12 ac
206	T 7 S, R 2 E, Sec. 12 ac
207	T 7 S, R 2 E, Sec. 12 aa
208	T 7 S, R 2 E, Sec. 2 bc
209	T 7 S, R 2 E, Sec. 3 da
210	T 7 S, R 2 E, Sec. 2 bd
211	T 7 S, R 2 E, Sec. 12 ba
212	T 8 S, R 3 E, Sec. 8 db
213	T 7 S, R 3 E, Sec. 20 dc
214	T 7 S, R 3 E, Sec. 18 cd
215	T 6 S, R 2 E, Sec. 27 dd
216	T 6 S, R 2 E, Sec. 22 aa
144	T9S, R3E, Sec. 21
145	T8S, R2E, Sec 3 dc
146	T9S, R2E, Sec 21 bc