

**Table 1.**

Buffalo Planning Area conventional oil and gas productive zones; cumulative oil, gas, and water production; production ranking; and percent of production (through December, 2008). Data modified from IHS Energy Group (2009).

	<b>PRODUCTION ZONE</b>	<b>CUMULATIVE OIL (barrels)</b>	<b>OIL RANK/PERCENT</b>	<b>CUMULATIVE GAS (thousand cubic feet)</b>	<b>GAS RANK/PERCENT</b>	<b>CUMULATIVE WATER (barrels)</b>
1	CROW MOUNTAIN	5,102,479	11/0.4159	94,620	21/0.0068	39,435,041
2	DAKOTA	28,326,493	8/2.3091	108,655,984	3/7.8632	10,905,958
3	DAKOTA/TURNER	18,713	25/0.0015	130,415	19/0.0094	11,198
4	FOX HILLS	68,508	22/0.0056	170,194	17/0.0123	3,280,971
5	FRONTIER	11,897,108	9/0.9698	59,183,407	4/4.2830	5,661,066
6	FRONTIER-DAKOTA	18,348	26/0.0015	669,666	15/0.0485	918
7	LAKOTA	9,002,916	10/0.7339	22,149,270	7/1.6029	5,492,102
8	MINNEKAHTA	5,431	29/0.0004	0	29/0.0000	31,737
9	MINNELUSA	496,943,586	1/40.5098	13,356,894	8/0.9666	1,878,859,217
10	MORRISON	2,078	30/0.0002	0	30/0.0000	42,900
11	MOWRY	297,692	18/0.0243	425,082	16/0.0308	22,885
12	MUDDY	256,572,898	2/20.9152	914,153,664	1/66.1554	742,183,003
13	MUDDY/DAKOTA	26,999	23/0.0022	165,674	18/0.0120	547
14	MUDDY-MOWRY	1,745,901	14/0.1423	2,737,138	10/0.1981	722,144
15	MUDDY/TURNER	438,142	17/0.0357	2,241,433	11/0.1622	14,119
16	NEWCASTLE	215,270	19/0.0175	86,256	22/0.0062	62,331
17	NIOBRARA	631,629	15/0.0515	1,282,030	13/0.0928	30,106
18	NIOBRARA/TURNER	20,198	24/0.0016	9,417	28/0.0007	469
19	PARKMAN	33,626,732	7/2.7412	7,720,005	9/0.5587	40,356,023
20	PARKMAN/NIOBRARA/TURNER	82,116	20/0.0067	54,501	24/0.0039	36,431
21	PARKMAN-SUSSEX-TURNER	7,814	28/0.0006	11,255	27/0.0008	9,399
22	SHANNON	204,666,527	3/16.6840	135,546,369	2/9.8092	140,402,912
23	SUNDANCE	2,000,164	13/0.1630	96,371	20/0.0070	1,113,878
24	SUSSEX	63,873,911	4/5.2069	53,422,890	6/3.8661	46,922,966
25	SUSSEX-PARKMAN	71,441	21/0.0058	53,393	25/0.0039	39,623
26	TEAPOT	498,530	16/0.0406	84,979	23/0.0061	11,061
27	TECKLA	1,249	31/0.0001	0	31/0.0000	444
28	TENSLEEP	58,715,756	5/4.7864	2,076,529	12/0.1503	426,949,776
29	TENSLEEP-AMSDEN	49,394,882	6/4.0266	1,197,726	14/0.0867	162,306,351
30	TURNER	2,434,188	12/0.1984	56,018,714	5/4.0540	239,620
31	UNKNOWN	16,353	27/0.0013	0	32/0.0000	0
32	WASATCH	0	32/0.0000	33,071	26/0.0024	0
	<b>TOTALS</b>	<b>1,226,724,052</b>		<b>1,381,826,947</b>		<b>3,505,145,196</b>

Table 2.

Buffalo Planning Area conventional oil and gas productive fields and well status. Data modified from HIS Energy Group (2009).

FIELD	OIL (barrels)	GAS (thousand cubic feet)	WATER (barrels)	ACTIVE WELLS	INACTIVE WELLS	TOTAL WELLS
1 ADON	29,813	0	0	0	1	1
2 ADON NORTH	288,982	2,943	2,864,378	2	1	3
3 ADON ROAD	2,760,904	12,369	4,631,730	3	5	8
4 ADON ROAD NORTH	1,757,595	34,352	2,876,660	6	1	7
5 ADON SOUTH	104,038	1,812	1,206,390	0	1	1
6 AG FARM	1,425,927	0	4,533,736	3	1	4
7 ALICIA	205,180	6,014,727	33,464	5	0	5
8 ALLISON	95,448	0	1,738	1	0	1
9 ALLISON SOUTH	18,542	0	0	0	1	1
10 ALPHA	5,701,596	24,843	12,610,557	8	4	12
11 AM-KIRK	2,292,151	781,026	2,806,034	6	6	12
12 AMOS DRAW	2,714,235	68,578,876	377,954	41	5	46
13 AMP	2,733	10,220	5,665	0	1	1
14 ANDY	1,098,991	25,384,173	126,510	13	7	20
15 APOSTOLOS	11,028	38,968	0	0	1	1
16 ARCHIBALD	615,594	1,703,092	1,276	2	6	8
17 ARROW	20,502	0	0	0	1	1
18 ARVADA	5,614	0	158,242	0	1	1
19 ASH	910,095	0	2,525,048	2	1	3
20 ASH CREEK	6,277,886	33,486	12,566,739	2	28	30
21 ASH CREEK SOUTH	7,516,173	153,291	31,835,278	9	10	19
22 ASH DRAW	1,013,072	15,376	10,773,062	3	4	7
23 BAR CREEK	1,290	7,153	3,670	0	1	1
24 BAR U DRAW	91,472	0	158,968	0	2	2
25 BARBER CREEK	5,641,236	689,552	8,926,762	14	18	32
26 BARBER CREEK EAST	6,922	10,528	90	0	1	1
27 BARBER CREEK WEST	735,290	60,990	225,450	2	5	7
28 BASIN	814,204	37,102	312,421	0	7	7
29 BASIN NORTHWEST	1,831,899	216,510	911,972	5	6	11
30 BAUMFALK	26,477	2,620	4,148	0	1	1
31 BEAVER DRAW	1,623	0	2,726	0	1	1
32 BERTHA	295,525	17,527	106,456	2	5	7
33 BETHLEHEM	288,882	514,980	57,866	4	3	7
34 BIG CAT	60,759	27,270	572	4	0	4
35 BIG HAND	7,783,285	2,974,002	3,757,378	12	46	58
36 BIG MAC	1,026,415	2	2,178,266	3	3	6
37 BIGFOOT	983,274	0	1,186,037	2	3	5
38 BISHOP RANCH	612,232	9,006	1,893,986	0	3	3
39 BISHOP RANCH EAST	28,296	0	57,716	0	1	1
40 BISHOP RANCH SOUTH	4,443,093	126,659	3,442,984	2	13	15
41 BLACK BILL	4,446	408,753	1,743	1	0	1
42 BLACK ROCK DRAW	133,560	150,427	152,463	1	1	2
43 BLUEBIRD	4,393	18,563	58,599	0	2	2
44 BOGIE DRAW	69,954	12,508	192,543	0	4	4
45 BONE PILE	8,819,287	795,994	10,540,942	19	5	24
46 BOOTON	485,267	86,236	652,744	1	1	2
47 BOWMAN HILL	12,967	0	6,026	0	2	2
48 BOZEMAN TRAIL	484,919	1,836,191	8,806	2	3	5
49 BRACKEN	1,931,354	28,270	15,442,365	8	0	8
50 BREAKS	3,579,684	1	21,155,483	6	0	6
51 BREEN	3,078,644	270,360	2,218,052	9	8	17
52 BRENNAN	3,623,945	206,460	2,551,889	3	5	8
53 BRIDGE DRAW	2,737,858	256,393	2,848,995	13	26	39
54 BRONCO	194,885	93	127,057	1	2	3
55 BUCK DRAW	616,916	3,838,534	104,367	2	5	7
56 BUCK DRAW NORTH	24,435,791	90,175,136	1,269,471	25	3	28
57 BUFF	802,522	5,574,498	51,364	11	4	15
58 BUGHER DRAW	58,433	41,501	172,836	0	4	4
59 BULL CREEK	3,127,307	0	13,106,008	3	2	5
60 BULL CREEK NORTH	634,022	103	8,918,698	0	3	3
61 BULLMARCH	216,126	92	33,986	0	3	3
62 BUTTE	48,987	24,594	69,349	1	3	4
63 BUTTE CREEK	354,442	0	1,419,359	0	3	3
64 C-H	5,421,150	23,146	23,229,381	0	15	15
65 CABIN CREEK	2,316	180	9,875	0	1	1

Table 2.

Buffalo Planning Area conventional oil and gas productive fields and well status. Data modified from HIS Energy Group (2009).

FIELD	OIL (barrels)	GAS (thousand cubic feet)	WATER (barrels)	ACTIVE WELLS	INACTIVE WELLS	TOTAL WELLS	
66	CAMP CREEK	6,246,304	496	4,633,610	7	7	14
67	CAMP CREEK NORTHWEST	60,528	0	37,413	1	0	1
68	CANCUN	162,196	25,665	66,112	2	0	2
69	CANDY DRAW	3,989,193	0	5,500,093	12	2	14
70	CARDINAL	276,495	3,731	3,034,625	2	2	4
71	CARSON	2,003,440	3,937,801	880,069	7	21	28
72	CARSON WEST	28,566	1,383	12,667	0	1	1
73	CEDAR DRAW	30,081	1,300,278	13,330	3	0	3
74	CELLARS RANCH	6,140,409	2,978	33,043,043	9	8	17
75	CHALK HILLS	12,777	4,008	5,941	0	1	1
76	CHAN	4,655,797	4,893,013	3,484,268	16	27	43
77	CLABAUGH	704,113	46,860	211,407	5	3	8
78	CLEARWATER	78,223	0	20	1	0	1
79	CLUBHOUSE	25,188	67,796	0	0	1	1
80	COAL CREEK	361,487	0	2,688,852	2	0	2
81	COLLINS	1,197,321	775,320	4,751	7	0	7
82	COLLUMS	8,359,408	9,409,343	32,054,899	2	48	50
83	CORONA	96,756	22,421	146,570	1	2	3
84	CRAWFORD DRAW	2,045,890	11,191,214	13,798	8	2	10
85	CULP DRAW	6,416,163	3,095,252	2,368,190	55	7	62
86	DEAD HORSE CREEK	11,596,720	2,997,427	5,407,542	18	49	67
87	DEAD HORSE CREEK SOUTH	1,912,106	229,867	6,684,364	12	8	20
88	DEEP DRAW	471,335	0	1,716	2	1	3
89	DEER FLY	1,222,249	7,625	2,093,321	4	5	9
90	DEER FLY SOUTH	379,592	0	786,885	2	1	3
91	DEMOTT DRAW	53,440	0	29,215	1	1	2
92	DEMOTT DRAW WEST	243,801	4,631	16,401	0	2	2
93	DENNELL DRAW	9,730	63,871	537	0	1	1
94	DILLINGER RANCH	16,354,110	1,576,313	65,174,305	12	32	44
95	DILLINGER RANCH EAST	187,625	198,877	25,623	3	2	5
96	DITTO LAKE	125,072	0	9,367	0	2	2
97	DOE	206,631	8,323	146,048	0	3	3
98	DONKEY CREEK	140,409	0	36,810	1	1	2
99	DOUBLE SHIELD	888,022	1,707	3,303,408	3	3	6
100	DOUD SOUTHEAST	94,858	0	6,990	1	0	1
101	DRY CREEK	1,346	808	14	0	1	1
102	DRY GULCH	5,197,058	140,738	17,030,030	11	7	18
103	DUCK CREEK	310,460	1,065	8,615	1	3	4
104	DUCK NEST CREEK	15,404	0	6,087	0	2	2
105	DUNLAP	206,532	0	134,353	0	1	1
106	DUTCH	4,021,823	66,826	8,106,346	6	5	11
107	DUTCH RESERVOIR	999	0	25,028	0	2	2
108	DUVALL RANCH	14,567,599	46,550	24,249,908	20	21	41
109	EAGLE ROCK	138,891	4,710	82,131	0	2	2
110	EAST DRAW	33,098	9,570	27,312	0	1	1
111	EAST FORK	71,464	0	0	1	0	1
112	ECHETA	14,932	511,831	5,656	2	0	2
113	EIGHTY-FIVE CREEK	48,787	0	2,637,420	0	1	1
114	EINAR	270,296	0	62,553	0	4	4
115	ELK CREEK	50,021	2,742	2,166	0	2	2
116	ELK DRAW	397,055	9,505,454	69,484	17	5	22
117	EMPIRE	1,688,783	874,571	3,444,533	6	14	20
118	ENYARD DRAW	1,154	515	33,417	0	2	2
119	FALCON RIDGE	2,056,296	65,838	5,258,697	6	2	8
120	FD	3,218,129	84,474	7,213,760	7	4	11
121	FELIX	836,217	18,381,203	52,327	11	3	14
122	FENCE CREEK	3,188,202	898,967	3,075,716	9	21	30
123	FENTON	457,488	4,932,733	2,606	2	2	4
124	FISH	721,722	0	262,021	2	3	5
125	FISHING LAKE	28,809	0	772	1	0	1
126	FLAT CREEK	146,426	0	6,316	3	0	3
127	FLAT DRAW	0	0	0	0	1	1
128	FLORIDA	215,519	30,540	69,251	2	1	3
129	FLYING E	115,248	107,587	3,904	0	3	3

Table 2.

Buffalo Planning Area conventional oil and gas productive fields and well status. Data modified from HIS Energy Group (2009).

	FIELD	OIL (barrels)	GAS (thousand cubic feet)	WATER (barrels)	ACTIVE WELLS	INACTIVE WELLS	TOTAL WELLS
130	FOURCHE	112,768	29,534	273,009	0	4	4
131	FOURMILE	2,323,898	170,445	7,294,669	4	2	6
132	GAITHER DRAW	275,138	38,979	39,553	6	1	7
133	GAP	1,318,028	0	874,495	1	3	4
134	GARNER LAKE	682,193	18	328,090	2	2	4
135	GARNER LAKE NORTH	475,000	0	345,373	2	1	3
136	GAS DRAW	27,382,584	12,802,935	135,218,545	17	75	92
137	GAS DRAW EAST	934,591	204,821	3,310,743	1	3	4
138	GIBBS	3,784,783	103,502	3,161,102	9	2	11
139	GIBBS NORTH	7,707	0	0	0	1	1
140	GIBBS SOUTH	600,916	196,634	1,389,695	1	0	1
141	GLASSER DRAW	57,122	29,111	2,046	1	2	3
142	GLO	899,210	0	206,814	4	1	5
143	GLO NORTH	2,484,112	310	4,419,598	5	1	6
144	GOER DRAW	7,432	145	0	1	0	1
145	GOLD MINE DRAW	349,985	0	318,163	1	4	5
146	GRASSLAND	71,321	0	0	0	1	1
147	GRASSLAND WEST	528,050	22,410	1,251,703	1	2	3
148	GRAY	0	0	0	0	1	1
149	GRAY SOUTH	723,586	0	557,276	1	1	2
150	HA CREEK	894,138	24,956,513	141,966	30	9	39
151	HAIGHT	2,067,365	320,266	3,154,736	9	2	11
152	HAL	64,902	0	58,586	2	0	2
153	HALVERSON	15,500,840	353,811	42,386,096	18	27	45
154	HALVERSON NORTH	536,906	0	29,740	2	0	2
155	HAMM	8,046,042	81,130	32,882,394	4	5	9
156	HARPER DRAW	53,586	23,784	4,240	2	0	2
157	HARTZOG DRAW	114,278,627	40,554,056	27,035,019	361	35	396
158	HARTZOG DRAW EAST	13,497	31,209	290	0	1	1
159	HATCH	45,146	72,711	491	1	0	1
160	HAWK POINT	4,798,145	1,229,660	12,218,216	0	10	10
161	HAWKEYE	69,029	0	0	1	0	1
162	HAY	4,682	0	81	0	1	1
163	HELDT DRAW	7,317,091	4,413,661	2,425,704	39	5	44
164	HELLS DRAW	76,106	31,954	1,347	0	1	1
165	HIGH ROAD	1,343,122	189,785	2,422,635	2	2	4
166	HILDA	597,631	14,413	2,137,977	2	0	2
167	HILIGHT	76,516,631	279,422,048	404,558,501	190	213	403
168	HINES	120,524	891,737	5,352	3	5	8
169	HIRSCH	84,744	103,957	313	1	0	1
170	HOE CREEK	98,757	2,507	43,247	0	2	2
171	HOLLER DRAW	3,100,273	1,784,647	402,662	16	16	32
172	HOME	396,089	64,867	170,643	0	1	1
173	HOOVER GULCH	727,270	2,861	1,260,566	3	0	3
174	HOUSE CREEK	39,700,894	23,024,734	41,878,069	317	65	382
175	HOUSE CREEK NORTH	174,102	99,433	17,712	3	1	4
176	HOUSE CREEK WEST	902,315	724,142	380,399	13	5	18
177	HUGHIE DRAW	105,742	0	766,502	1	1	2
178	HUNTER RANCH	1,048,140	603,256	3,522,731	9	6	15
179	IBERLIN	1,394,079	439,946	794,362	5	27	32
180	INDIAN CREEK	3,248,294	4,053,323	1,396,164	9	17	26
181	INDIAN TREE	2,038,958	0	4,200,038	5	3	8
182	INFINITY	4,645	0	4,331	0	1	1
183	INTERSTATE	448,937	1,035,960	26,083	1	3	4
184	IRVINE	1,797	405	4	0	1	1
185	JACKELOPE	129,745	0	36,772	0	2	2
186	JAY DRAW	40,097	0	18,486	1	0	1
187	JAZBO	1,483,251	0	11,472,373	4	2	6
188	JEFFERS DRAW	7,825	75,357	323	1	0	1
189	JEPSON DRAW	2,863,650	413,365	41,983	16	25	41
190	JOE CREEK	2,222,839	2,999,462	1,734,820	7	9	16
191	JOHNSON DRAW	9,528	46,316	7,766	0	1	1
192	JOY DRAW	3,369	780	2,520	0	1	1
193	JOYCES	122,928	13,738	165,461	0	1	1
194	JUNCTION	31,319	24,363	187	0	1	1

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FIELD	OIL (barrels)	GAS (thousand cubic feet)	WATER (barrels)	ACTIVE WELLS	INACTIVE WELLS	TOTAL WELLS
195 JUNIPER DRAW	61,904	34,625	2,135	1	2	3
196 K BAR	1,062,552	704,086	1,644,745	20	10	30
197 KAMON	8,062	424	9,599	0	1	1
198 KANE	1,270,481	32,097	4,721,584	1	3	4
199 KICKEN DRAW	866,857	0	441,840	4	0	4
200 KINGSBURY CREEK	637,391	11,353,274	50,129	5	5	10
201 KINGSBURY ROAD	4,984	17,692	23,173	0	2	2
202 KITTY	21,718,099	124,455,344	580,511	150	139	289
203 KUEHNE RANCH	4,647,134	29,511	6,579,817	14	3	17
204 KUEHNE RANCH EAST	810,406	16,276	1,643,959	6	4	10
205 KUEHNE RANCH NORTHEAST	167,308	0	143,726	0	3	3
206 KUEHNE RANCH SOUTHEAST	3,464,552	103,772	9,857,489	4	8	12
207 L-X BAR	923,107	4,609,564	176,983	0	14	14
208 LANE	107,011	0	1,049,391	0	3	3
209 LANEY	4,195	0	31,771	0	1	1
210 LAZY B	3,067,694	7,220,071	2,777,481	8	14	22
211 LEE DRAW	9,059	0	0	0	1	1
212 LEWIS	110,569	30,350	90,312	0	2	2
213 LITTLE	28,915	0	265,071	0	2	2
214 LITTLE BUGHER DRAW	3,133	40,614	13,168	0	2	2
215 LITTLE MITCHELL CREEK	11,110,356	59,061	9,797,956	11	4	15
216 LITTLE PINE	96,264	0	623,302	2	0	2
217 LITTLE POWDER	72,143	57,325	69,029	0	4	4
218 LITTLE THUNDER	5,691	481,596	77	1	1	2
219 LOBLOLLY	14,617	71,379	581	0	2	2
220 LOGAN DRAW	87,229	71,124	2,842,099	0	2	2
221 LONE CEDAR	3,431,922	43,411	12,962,391	6	7	13
222 LONG TREE	1,069,729	20	867,777	4	6	10
223 LONG TREE NORTH	79,606	3,085	715,415	0	1	1
224 M-D	2,370,712	444	30,540,969	1	3	4
225 M-D NORTH	212,067	2	114,132	0	2	2
226 MAC	607,336	16,541	2,704,933	1	2	3
227 MADER DRAW	258,869	0	91,493	2	1	3
228 MALLARD	1,362,078	972	1,128,462	1	5	6
229 MALMQUIST	741,781	120,001	102,942	3	1	4
230 MAPES	658,465	0	3,241,081	2	1	3
231 MARNIE	785,525	12,174	5,784,065	1	4	5
232 MARNIE SOUTH	493,461	98	275,872	3	1	4
233 MARY DRAW	1,003	197,785	1,673	0	1	1
234 MARYS RESERVOIR	19,688	0	332	0	1	1
235 MAY	37,533	48	35,593	0	2	2
236 MAYSDORF	5,536,213	405,241	18,447,883	28	16	44
237 MAYSDORF SOUTH	444,436	56,400	83,190	2	0	2
238 MCCREERY	457,094	20,454	25,941	0	5	5
239 MEADOW CREEK	38,591,986	82,146,567	95,042,180	22	202	224
240 MEADOW CREEK EAST	167,429	129,408	31,074	0	12	12
241 MEADOW CREEK NORTH	9,864,668	30,829,453	1,888,534	1	101	102
242 MEADOW CREEK WEST	28,495	3,027	2,004	0	2	2
243 MEXICAN DRAW	18,961	933	73,098	0	1	1
244 MEXICAN DRAW WEST	17,796	0	22,598	0	1	1
245 MIDDLE PRONG	3,711	1,272	5,875	0	2	2
246 MILL	59,964	62,732	186	0	1	1
247 MILL-GILLETTE	3,637,262	8,788,301	2,954,149	10	34	44
248 MILLER CREEK ROAD	100,676	0	1,251,882	1	0	1
249 MILLION CREEK	235	24,139	0	1	0	1
250 MINTURN	13,802	335	8,830	0	1	1
251 MITCHELL BREAKS	116,038	0	179,167	1	0	1
252 MONGOOSE	28,230	359,917	3,258	0	1	1
253 MOOSE DRAW	0	33,071	0	0	1	1
254 MORAN	4,181,910	83,250	3,860,898	11	8	19
255 MORSE	646,252	1,179,456	1,324,034	0	6	6
256 MOSEBAR	6,912	9,574	3,307	0	2	2
257 MOSEBAR DRAW	87,473	0	719,485	1	0	1
258 NAPIER ROAD	57,895	58,588	231,233	1	0	1

Table 2.

Buffalo Planning Area conventional oil and gas productive fields and well status. Data modified from HIS Energy Group (2009).

	FIELD	OIL (barrels)	GAS (thousand cubic feet)	WATER (barrels)	ACTIVE WELLS	INACTIVE WELLS	TOTAL WELLS
259	NETA	537,723	0	317,013	1	1	2
260	NICK RAY	3,889	24,502	1,765	0	1	1
261	NIGHT CREEK	73,803	0	1,841	1	1	2
262	NINEMILE	61,903	218,828	164	1	0	1
263	NIPPLE	1,021,054	949,510	5,882	3	4	7
264	NORTH FORK	23,893,484	485,377	242,684,678	14	15	29
265	NORTH STAR	559,489	167,245	372	2	0	2
266	OCONNOR	753,739	635,086	77,634	3	5	8
267	OEDEKOVEN	2,997,379	6,558,432	11,070,183	4	17	21
268	OK	3,247,387	96,233	14,138,381	5	5	10
269	OLMSTEAD	65,982	21,600	1,525	1	0	1
270	OLSEN	841,057	1,620	1,617,832	2	4	6
271	OTTIE DRAW	1,212,995	0	1,071,373	3	3	6
272	OXBOW	326,483	7,091	219,658	2	1	3
273	PALM	870	1,482	1,509	0	1	1
274	PARNELL DRAW	86,508	22,294	9,732	1	2	3
275	PAUL	257,979	556,909	18,555	3	0	3
276	PAUL DRAW	800,391	0	11,006,080	5	0	5
277	PAYNE	3,215,289	7,252,678	36,730	17	27	44
278	PHEASANT	880,604	0	931,693	1	3	4
279	PHOENIX	199,617	566,315	4,560	2	1	3
280	PICKREL RANCH	1,416,777	25,076	2,152,478	0	7	7
281	PIERCE	1,147,234	196,675	1,897,208	3	1	4
282	PINE TREE	9,204,207	14,276,581	125,162	47	3	50
283	PINEY	265,230	70,239	474,217	2	4	6
284	PINNACLE	507,365	125,537	665,946	0	3	3
285	PINNACLE DIVIDE	354,142	0	50,117	1	2	3
286	PLEASANT VALLEY	1,341,371	35,399	4,612,364	2	2	4
287	PLEASANTDALE	623,523	7,524	260,230	6	4	10
288	PORCUPINE	4,511,347	78,964,467	367,156	74	44	118
289	POST DRAW	18,565	3,775	89	0	1	1
290	POWELL	1,524,612	12,584,836	91,851	5	8	13
291	POWNALL RANCH	2,865,523	10,388	2,074,362	15	8	23
292	PRAIRIE CREEK	988	0	296	0	1	1
293	PREP	984,146	212,305	196,711	1	4	5
294	PUMPKIN BUTTES	1,484,564	649,752	10,545	19	3	22
295	PUMPKIN CREEK	71,859	24,827	58	1	2	3
296	QUINN	433,987	184,174	329,069	0	5	5
297	R W CREEK	303,390	3,354,312	7,712	6	1	7
298	RABBIT EARS	196,049	0	164,339	0	4	4
299	RAILROAD BEND	216,260	662	1,219	0	1	1
300	RAINBOW RANCH	1,469,409	124,211	4,674,464	5	4	9
301	RAINBOW RANCH NORTH	3,648,834	49,564	32,989,617	6	8	14
302	RAVEN CREEK	44,724,224	49,606	175,149,792	26	34	60
303	RECLUSE	24,722,791	104,503,879	9,315,850	24	87	111
304	RECLUSE SOUTHEAST	537,005	587,799	0	3	1	4
305	REEL	10,353,871	15,203	31,698,756	7	9	16
306	REMINGTON CREEK	118,250	49,869	113,852	0	3	3
307	RENO	12,756,745	225,598	6,672,578	9	8	17
308	RENO EAST	1,910,572	1,517	19,200,911	0	6	6
309	RESERVOIR CREEK	19,698	164,580	520	2	0	2
310	RIDGEVIEW	732,919	47,032	246,019	3	0	3
311	RIGHT A WAY	1,215,637	560	811,286	4	2	6
312	ROCK CREEK	841,969	60,459	533,393	2	2	4
313	ROCKHOPPER	127,665	0	950,074	2	0	2
314	ROCKY BUTTE	108,068	7,293	0	0	1	1
315	ROCKY HILL	84,199	910,875	735	1	1	2
316	ROCKY POINT	14,542,467	14,572,879	564,901,332	30	30	60
317	ROEHRS	571,287	13,154	1,078,061	2	1	3
318	ROEHRS SOUTH	271,344	0	398,694	1	0	1
319	ROURKE GAP	4,325,321	6,413	3,521,892	3	5	8
320	ROYAL DRAW	949,613	0	739,497	0	5	5
321	ROZET	27,630,015	8,961,519	103,225,166	59	70	129
322	ROZET EAST	4,608,689	26,393	7,606,966	8	5	13
323	ROZET SOUTH	5,141,397	77,701	28,142,642	7	9	16

Table 2.

Buffalo Planning Area conventional oil and gas productive fields and well status. Data modified from HIS Energy Group (2009).

FIELD	OIL (barrels)	GAS (thousand cubic feet)	WATER (barrels)	ACTIVE WELLS	INACTIVE WELLS	TOTAL WELLS
324 ROZET WEST	9,810,295	3,846	38,561,283	8	9	17
325 RULE	1,316,231	82,477	2,090,118	2	0	2
326 RUMPH	438,773	55	10,110,918	4	0	4
327 S A CREEK	1,001,065	0	1,407,932	3	0	3
328 S-BAR	511,220	1,919,081	43,585	1	10	11
329 SAND ROCK	458,276	916	83,331	0	3	3
330 SANDBAR	16,863	66,424	0	0	4	4
331 SANDBAR EAST	11,059,282	3,603,950	26,545,111	11	23	34
332 SANDBAR WEST	4,278,121	9,021,538	732,764	3	27	30
333 SAPPHIRE	3,363	106,350	228	0	1	1
334 SAWGRASS	298,819	0	10,991,510	1	1	2
335 SAWMILL DRAW	60,932	15,999	75,121	1	0	1
336 SCHOOL CREEK	1,579,304	19,148,643	131,548	30	14	44
337 SCHOONER CANYON	1,249	0	0	0	1	1
338 SCHOONOVER	6,927	0	0	0	1	1
339 SCHOONOVER ROAD	9,370	90,319	550	1	0	1
340 SCRIBNER	109,816	21,990	499	1	1	2
341 SHARP	1,281,110	66,891	4,439,995	3	6	9
342 SHEARING PEN DRAW	5,283	3,693	2,662	0	1	1
343 SHELL DRAW	215,797	5,321,506	30,129	4	1	5
344 SHIPPY	2,552,623	17,688	3,281,902	4	5	9
345 SIEVERS	101,015	16,068	75	1	0	1
346 SIMPSON NORTH	487,352	0	2,334,792	1	0	1
347 SIMPSON RANCH	1,245,333	78,157	5,229,233	4	1	5
348 SLATTERY	9,376,387	609,242	8,592,543	17	12	29
349 SMELTENN	137,199	2,336,004	3,775	5	1	6
350 SMITH	77,502	70,526	1,162	1	1	2
351 SODA WELL	1,410,725	0	20,130,732	3	3	6
352 SODA WELL EAST	914,631	3,878	410,375	4	8	12
353 SPOTTED HORSE	528,183	9,076,261	349,307	3	17	20
354 SPRING HOLE	1,430,824	0	309,299	6	0	6
355 SPRINGEN NORTH	128,829	23,011	22,417	3	0	3
356 SPRINGEN RANCH	8,926,779	8,656,877	24,051,046	1	55	56
357 SQUAW CREEK	61,566	203,432	16,757	0	3	3
358 STEWART	16,027,027	73,350	32,583,134	22	20	42
359 STORE	893,463	4,939,795	3,357,492	4	2	6
360 STRAAG DRAW	161,461	0	79,426	0	2	2
361 SUMMERFIELD	328,735	118	25,079	4	2	6
362 SUPERHORNET	1,261,818	1	3,395,165	3	3	6
363 SURPRISE	3,216	0	31,737	0	1	1
364 SUSSEX	76,536,069	16,353,329	184,991,121	46	205	251
365 SUSSEX WEST	18,737,213	8,942,693	47,808,123	53	92	145
366 SWARTZ DRAW	1,895,427	205	1,562,634	10	6	16
367 T A BUTTES	1,048,454	0	771,341	2	3	5
368 T-T ROAD	35,668	0	9,451	0	1	1
369 TABLE MOUNTAIN	5,454,986	3,472,118	4,291,504	34	13	47
370 TANNER	1,105,222	0	1,987,331	3	0	3
371 TAYLOR	943,958	4,944,207	24,564	4	3	7
372 TERRACE	6,407,402	1,193	15,194,588	5	2	7
373 THOLSON	4,543,850	19,532	18,456,331	7	7	14
374 THREE MILE	7,619	19,036	23	0	1	1
375 THRONE	67,466	853,077	9,088	1	3	4
376 THUNDER CREEK	807,644	20,943,659	81,833	20	1	21
377 TIMBER CREEK	19,852,575	1,359,010	10,672,752	14	25	39
378 TIMBER CREEK NORTH	2,343,057	151,444	3,432,440	6	2	8
379 TIMBER CREEK NORTH SHALLOW	73,476	147,156	187,775	1	0	1
380 TIMBER CREEK NORTHWEST	1,820,727	751	1,578,175	7	5	12
381 TIMBER CREEK SOUTH	82,149	2,910	21,888	1	1	2
382 TISDALE EAST	3,007,929	75,896	45,987,961	2	20	22
383 TISDALE NORTH	6,418,503	94,620	60,405,907	50	36	86
384 TODD	45,280	59,865	33	0	1	1
385 TRABING	876,170	1,138,135	57,105	0	4	4
386 TRIANGLE U	4,462,072	1,187,085	615,423	10	33	43
387 TRIANGLE U EAST	341,744	62,361	170,965	4	1	5

**Table 2.**

Buffalo Planning Area conventional oil and gas productive fields and well status. Data modified from HIS Energy Group (2009).

FIELD	OIL (barrels)	GAS (thousand cubic feet)	WATER (barrels)	ACTIVE WELLS	INACTIVE WELLS	TOTAL WELLS
388 TROUT POND	1,240,962	0	825,814	5	0	5
389 TUIT DRAW	713,906	4,621,156	71,736	13	8	21
390 TURNERCREST	203,219	3,240,415	10,210	3	1	4
391 TWENTY-ONE MILE BUTTE	346,753	109,247	93,580	9	0	9
392 TWIN CREEK	192,880	304	290,369	0	4	4
393 TWO V CREEK	2,813	0	0	0	1	1
394 UNKNOWN	49,851	50,716	105,622	1	5	6
395 UNNAMED	2,105,629	217,969	2,593,782	36	9	45
396 UPPER DUCK CREEK	242,814	0	226,683	2	0	2
397 UTE	11,194,032	22,965,759	21,756,767	15	71	86
398 VICTOR	2,006,990	0	3,259,513	5	4	9
399 WAGENSEN	318,189	1,138,471	326,495	3	4	7
400 WAGON SPOKE	3,144,432	40,767	16,752,170	0	7	7
401 WALLACE	7,920,648	21,119	14,989,237	12	9	21
402 WALLACE NORTH	504,784	0	30,798	3	0	3
403 WALLACE SOUTH	1,893,058	147,215	2,148,588	5	2	7
404 WARD CREEK	6,297	0	35,015	0	3	3
405 WARD CREEK SOUTHEAST	122,694	83,272	3,677	0	1	1
406 WARDEN	271,715	9,381	80,466	4	2	6
407 WD	1,039,945	0	5,196,449	2	3	5
408 WELL CREEK	166,560	588	1,437,327	0	1	1
409 WEST FORK	526,175	5,398	108,997	2	0	2
410 WHEAT DRAW	2,194,283	0	9,108,526	3	0	3
411 WHISLER	841,516	6,175	2,005,591	3	5	8
412 WHITE	47,773	871	0	0	2	2
413 WHITETAIL	6,011,868	1,888,149	31,518,229	0	25	25
414 WIDGE	1,139,261	263,385	164,121	4	1	5
415 WIDGE NORTH	186,705	0	94,119	1	2	3
416 WILDHORSE CREEK	334,155	1,062,542	1,373	3	1	4
417 WILLIAMS DRAW	2,773	0	7,870	0	1	1
418 WINDMILL	6,424,218	118,872	25,897,511	11	5	16
419 WINTER DRAW	6,481,523	8,332	14,944,626	7	5	12
420 WOLF DRAW	275	0	0	1	0	1
421 WORTH	8,617	0	33,703	0	1	1
422 YELLOW HAMMER	196,843	38,453	2,043	0	2	2
423 YELLOW HAMMER NORTHWEST	41,648	381	17,616	0	2	2
424 YORK	1,422,449	0	1,644,379	5	3	8
425 YORK NORTH	239,812	0	298,969	2	1	3
426 ZOE DRAW	95,132	1,080	428,718	1	0	1
<b>TOTALS</b>	<b>1,222,757,562</b>	<b>1,382,632,515</b>	<b>3,489,209,732</b>	<b>3,090</b>	<b>3,331</b>	<b>6,421</b>

*Wyoming State Office*

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**Table 4.** Estimated conventional oil and gas development potential classification acres, number of townships, projected average drilling densities, and percentage of the Buffalo Planning Area within each development potential classification type for the period 2009 through 2028.

<b>Development Potential</b>	<b>Acres</b>	<b>Area (townships)</b>	<b>Average new wells per township</b>	<b>% of Planning Area</b>
Very High	69,466	3.02	43	0.94
High	252,657	10.97	25	3.43
Moderate	585,313	25.40	15	7.96
Low	700,980	30.42	7.5	9.53
Very Low	2,530,382	109.83	0.20	34.40
Negligible	1,911,298	82.96	0	25.98
None	1,167,067	50.65	0	15.86
Not Assessed	139,426	6.05	0	1.895
<b>Totals</b>	<b>7,356,589</b>	<b>319.30</b>		<b>100</b>

**Table 5.**

Forecast of Buffalo Planning Area annual and cumulative conventional oil and gas production for 2009 through 2028.

Year	Gas Production (thousand cubic feet)	Oil Production (Barrels)
2009	11,882,987	8,225,744
2010	11,549,771	7,712,919
2011	11,225,899	7,232,065
2012	10,911,108	6,781,190
2013	10,605,145	6,358,424
2014	10,307,762	5,962,016
2015	10,018,717	5,590,320
2016	9,737,778	5,241,798
2017	9,464,717	4,915,004
2018	9,199,313	4,608,584
2019	8,941,351	4,321,267
2020	8,690,623	4,051,862
2021	8,446,925	3,799,253
2022	8,210,061	3,562,393
2023	7,979,840	3,340,299
2024	7,756,074	3,132,052
2025	7,538,582	2,936,788
2026	7,327,189	2,753,697
2027	7,121,725	2,582,021
2028	6,922,021	2,421,048
<b>Cumulative Production</b>	<b>183,837,588</b>	<b>95,528,744</b>

**Table 6.**

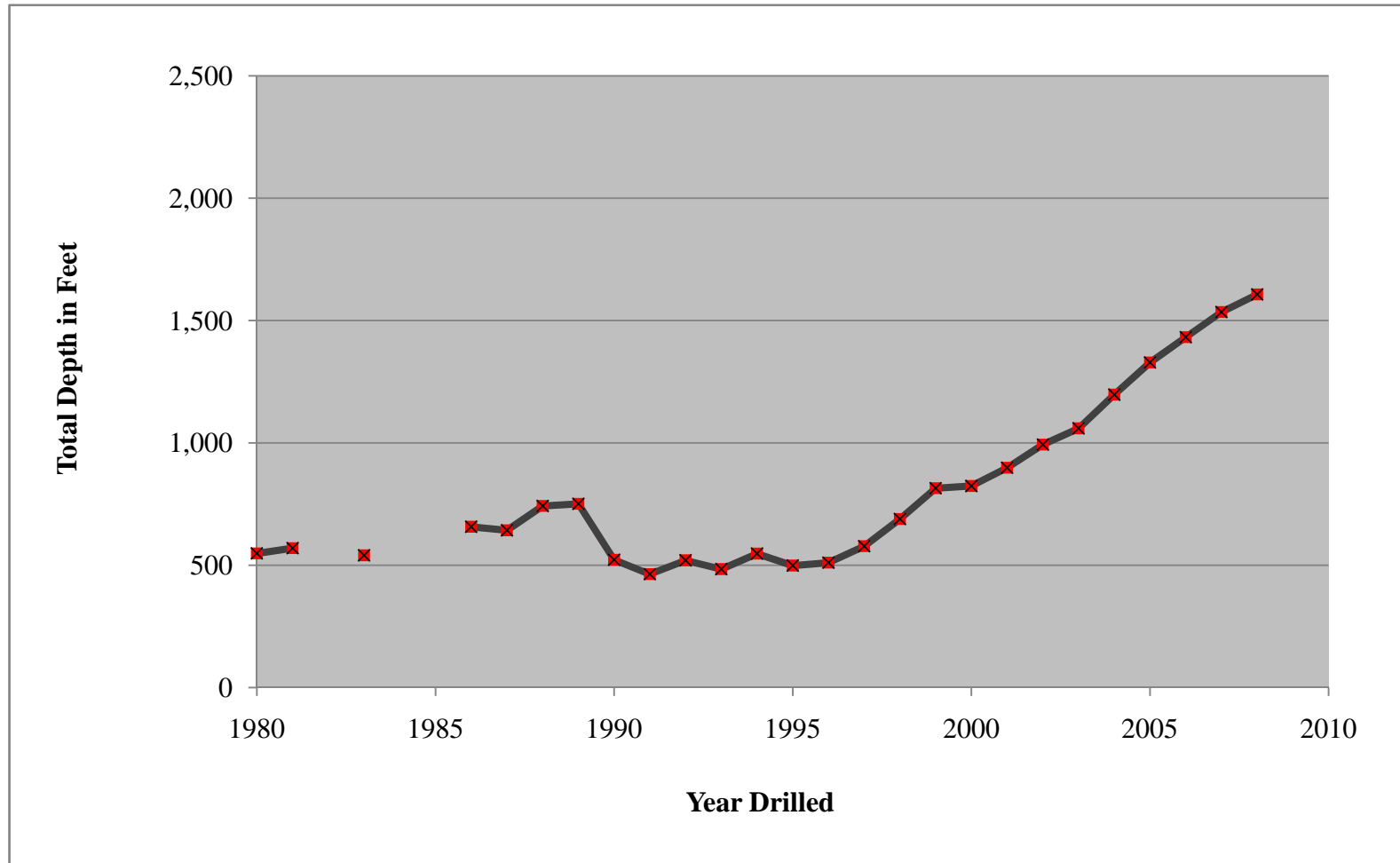
Existing and projected surface disturbance associated with conventional wells in the Buffalo Field Office Planning Area .

<b>Disturbance Associated With All New Drilled Wells and Existing Active Wells (Short-Term Disturbance)</b>					
<b>Wells</b>			<b>Acres of Surface Disturbance</b>		
<b>Type</b>	<b>All Lands</b>	<b>BLM Managed</b>	<b>Well Pad + Access Roads</b>	<b>All Lands</b>	<b>BLM Managed</b>
New Wells	1,359	629	New Disturbance (2.75 acres per location)	3,737	1,730
Existing Wells	4,133	2,189	Existing Disturbance (2.00 acres per location)	8,266	4,378
<b>Total Wells</b>	<b>5,492</b>	<b>2,818</b>	<b>Total Disturbance</b>	<b>12,003</b>	<b>6,108</b>

<b>Disturbance Associated With All New Producing Wells and Existing Active Wells Less Abandonments (Long-Term Disturbance)</b>					
<b>Wells</b>			<b>Acres of Surface Disturbance</b>		
<b>Type</b>	<b>All Lands</b>	<b>BLM Managed</b>	<b>Well Pad + Access Roads</b>	<b>All Lands</b>	<b>BLM Managed</b>
New Wells	1,019	472	New Disturbance (2.00 acres per location)	2,039	944
Existing Wells	2,524	1,307	Existing Disturbance (2.00 acres per location)	5,048	2,614
<b>Total Wells</b>	<b>3,543</b>	<b>1,779</b>	<b>Total Disturbance</b>	<b>7,087</b>	<b>3,558</b>

*Wyoming State Office*  
*Reservoir Management Group*

**Figure A1-1.** Average depth of coalbed natural gas wells drilled in the Buffalo Planning Area by year. Preliminary data for 2009 indicates the average depth will continue to increase. Data are from the IHS Energy Group (2009).

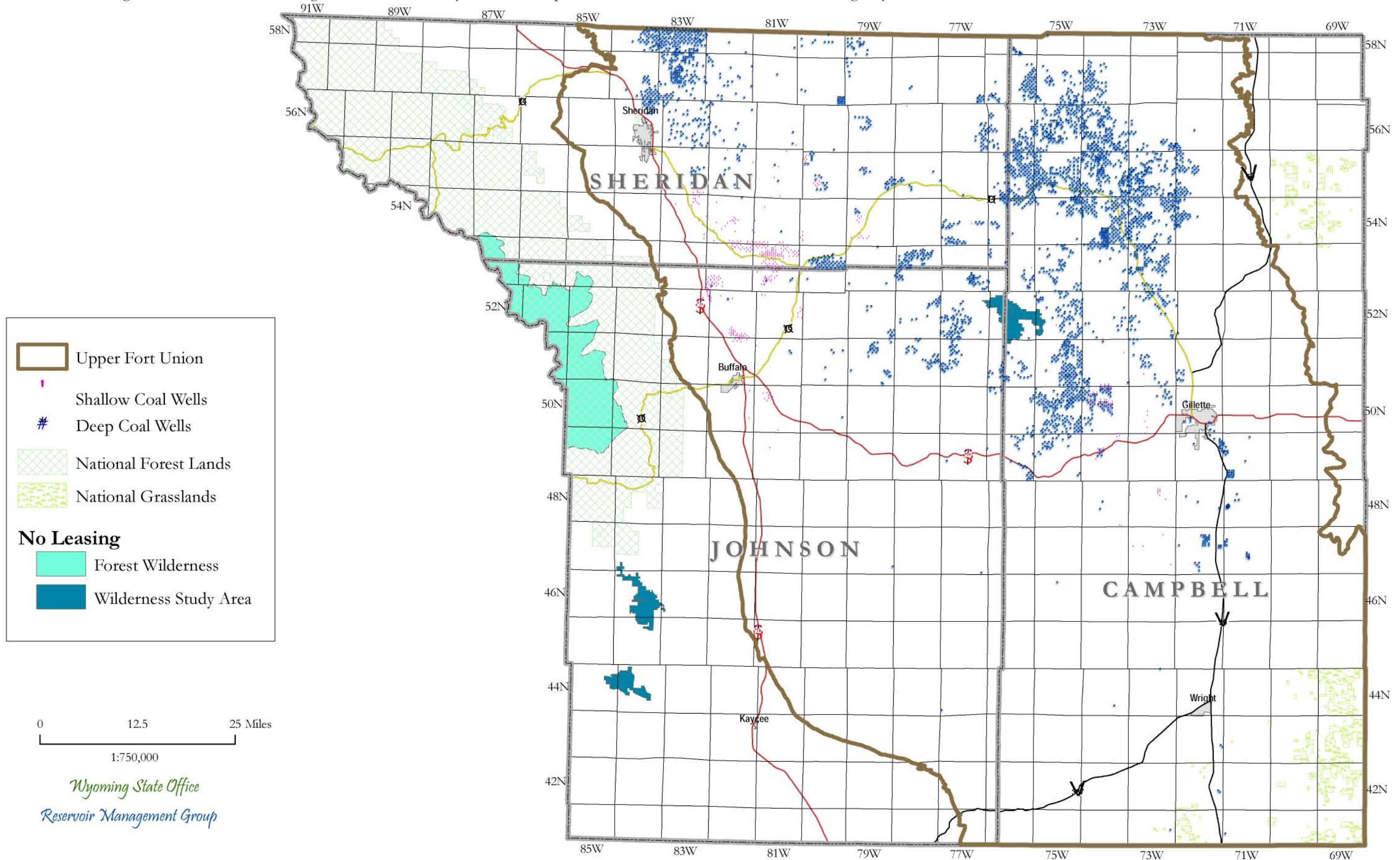


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**Figure A1-2.**

Deep and shallow coalbed natural gas wells in the Buffalo Planning Area. Note the scarcity of wells to deep coals south of Interstate 90 and west of U.S. Highway 59.

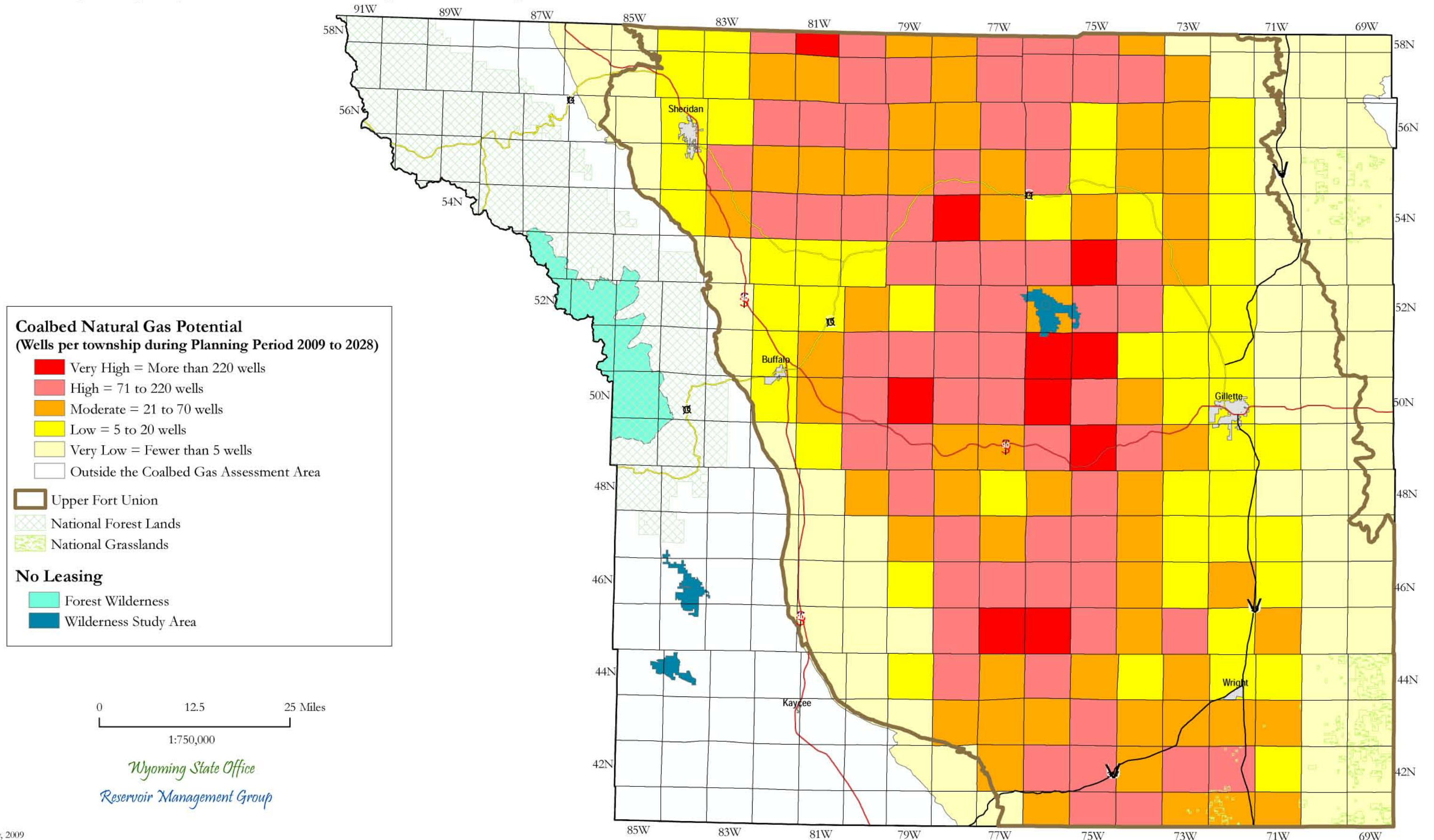


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data was compiled from various sources. This information was developed through digital means and may be updated without notification.



**Figure A1-9.**

Coalbed natural gas development potential within the Buffalo Planning Area for 2009 through 2028.



May, 2009

Dean Stilwell, Geologist  
 Al Elser, Geologist  
 Stan Lawrence, Petroleum Engineer

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**Table A1-1.** Coalbed natural gas wells within Buffalo Planning Area. Data are from the IHS Energy Group (2009).

Time Interval	years	Number of Wells Drilled	Number of operators	Average Well Depth	Average Recovery per Well in BCF
before 1987	8	12	6	578	0.20
1987-1998	11	1642	65	605	0.22
1999-2008	10	27,122	91	1,109	0.21
2009-forward	20	13,800			~0.27

**Table A1-2.** Development potentials and average drilling densities for the coalbed natural gas play area in the Buffalo Planning Area for wells drilled during 2009 through 2028.

<u>Development Potential Rating</u>	<u>Average Number of Wells Drilled/Township</u>
None	0
very low	fewer than 5
low	5 to 20
moderate	21 to 70
high	71 to 220
very high	over 220

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**Table A1-3.** Estimates of surface disturbance existing at the beginning of 2009, total acreage disturbed during 2009-2028, and remaining surface disturbance at the end of 2028.

<b>Estimated Surface Disturbance Caused by Existing Wells and Wells Drilled during 2009-2028 (short term)</b>				
Wells			Acres of Disturbance Caused by Well Pads and Access Roads	
Type	All Lands	BLM Managed	All Lands	BLM Managed
Existing on Jan. 1, 2009	26,064	9,211	30,182	10,666
New Wells	13,803	8,219	33,962	20,224
<b>Totals</b>	<b>39,867</b>	<b>17,431</b>	<b>64,144</b>	<b>30,891</b>
<b>Estimated Surface Disturbance Existing on December 31, 2028 (long term)</b>				
Wells			Acres of Unreclaimed Surface Disturbance at the end of 2028	
Type	All Lands	BLM Managed	All Lands	BLM Managed
Existing on Jan. 1, 2009	0	0	0	0
New Wells	10,088	6,007	13,639	8,122
<b>Totals</b>	<b>10,088</b>	<b>6,007</b>	<b>13,639</b>	<b>8,122</b>