

**March 2019 Oil and Gas Lease Sale
Sale Specific Reasonable Foreseeable Development Scenario**

HiLine District, Miles City Field Office, and South Dakota Field Office

HiLine Reasonable Foreseeable Development Scenario

The Reasonably Foreseeable Development (RFD) for this EA is based on information contained in the RFD developed for the HiLine FEIS (Volume II, pages 450-453) and Appendix E.1 (Volume III, pages 1265 - 1283), and is incorporated by reference into this EA. The RFD contains the number of potential oil and gas wells that could be drilled and produced in the HiLine area, and was used to analyze the potential number of wells drilled for the nominated lease parcels. These well numbers are only an estimate based on historical drilling, geologic data, resource expertise, and current development in the area. For the HiLine planning area, the selected alternative was Alternative E.

The HiLine planning area contains about 15,873,473 surface acres of all mineral ownership types. Total federal oil and gas mineral ownership, in the HiLine planning area, amounts to about 4,307,538 acres, or about 27 percent of total acres. Bureau-managed oil and gas mineral lands are lowest in Glacier County (about 6,165 acres), Liberty County (about 53,964 acres), Hill County (about 72,419 acres), Chouteau County (about 112,272 acres) and Toole County (about 113,879 acres). The remaining three counties (Blaine, Phillips, and Valley) contain the remaining 3,121,468 acres of Bureau-managed oil and gas mineral lands. Together this amounts to 3,480,167 acres of Bureau-managed oil and gas mineral lands.

Production from all mineral ownership types in the HiLine planning area totaled 950 thousand barrels of oil and 20 billion standard cubic feet of natural gas in 2017. Seven new well completions occurred in 2017: three dry holes, one injection/disposal well, and three oil wells. This data was compiled using the Montana Board of Oil and Gas interactive website. See table 1 for breakdown by county.

Table 1: Oil & Gas production and new well completions by county. Montana Board of Oil and Gas.

County	2017 Annual Oil Production (in bbls)	2017 Annual Gas Production (in Mcf)	2017 New Well Completions
Blaine	247,902	3,494,973	3 (Dry)
Chouteau	0	667,855	0
Glacier	303,450	855,120	1 (Disposal)
Hill	939	3,059,898	0
Liberty	78,983	740,747	0
Phillips	0	8,315,144	0

Appendix D.1

Toole	251,859	2,122,468	3 (Oil)
Valley	66,753	762,667	0
County	2017 Annual Oil Production (in bbls)	2017 Annual Gas Production (in Mcf)	2017 New Well Completions
Total:	949,886	20,018,872	7

8,749 producing, shut-in, temporarily abandoned, and active injection wells reside in the HiLine planning area. This data was compiled using the Montana Board of Oil and Gas interactive website. See table 2 for breakdown by county and well status.

Table 2: Well count by county and status. Montana Board of Oil and Gas.

County	Producing Oil Wells	Producing Gas Wells	Shut-In Wells	Temporarily Abandoned	Active Injection	Total
Blaine	48	605	447	4	18	1,122
Chouteau	0	101	44	0	0	145
Glacier	465	204	665	99	103	1,536
Hill	1	525	213	1	4	744
Liberty	82	151	183	4	31	451
Phillips	0	1,378	338	2	0	1,718
Toole	872	696	1,196	9	52	2,825
Valley	21	17	161	0	9	208
Total:	1,489	3,677	3,247	119	217	8,749

For a selected alternative (Alternative E), unconstrained reasonable foreseeable development projection we estimated that during the 20-year planning cycle of 2011 to 2030, as many as 5,908 wells would be drilled in the HiLine planning area. Up to 144 of these wells could be coalbed gas wells. Of the 5,764 remaining wells, 1,024 wells are projected to lie within the Bowdoin Dome Natural Gas Project Area (BNGPA).

Table 3: Total wells projected to be drilled within the HiLine Planning Area for the selected alternative (Alternative E) for the period 2011-2030. The projections of the percent of total future Federal wells drilled for this period is also presented in parentheses. (October 29, 2012)

	CBNG Wells (% Federal Wells)	Non-CBNG Wells Excluding BNGPA (% Federal Wells)	Non-CBNG Well BNGPA (% Federal Wells)	Total Wells
<i>Alternative E</i>	144 (12.50%)	4,740 (25.11%)	1,024 (54.69%)	5,908

Development potential is defined as high, moderate, low, and very low and it is related to the relative hydrocarbon prospectivity (occurrence potential) of the area. Areas of high prospectivity (high potential for the occurrence of hydrocarbons) will tend to be areas of high development potential. The converse is also true, in the areas of low prospectivity (low potential for the occurrence of hydrocarbons) will also tend to be areas of low development potential. High development potential indicates areas where we estimate average drilling density would be 110 well locations per township (one township is about 36 square miles) during 2011-2030. Moderate development potential indicates 60 wells per township; low development potential indicates 10 well locations per township; and very low development potential is defined as 0.5 wells per township.

Of the seven parcels being offered, three have very low development potential, and four have low development potential (see Table 4 and Figure 1). Table 4 provides an approximation of the amount of wells to be drilled on the offered parcels during 2011-2030. **We estimated that a total of 1-2 (one to two) oil wells will be drilled on the seven parcels that are being offered.**

Figure 1: Development Potential by Parcel

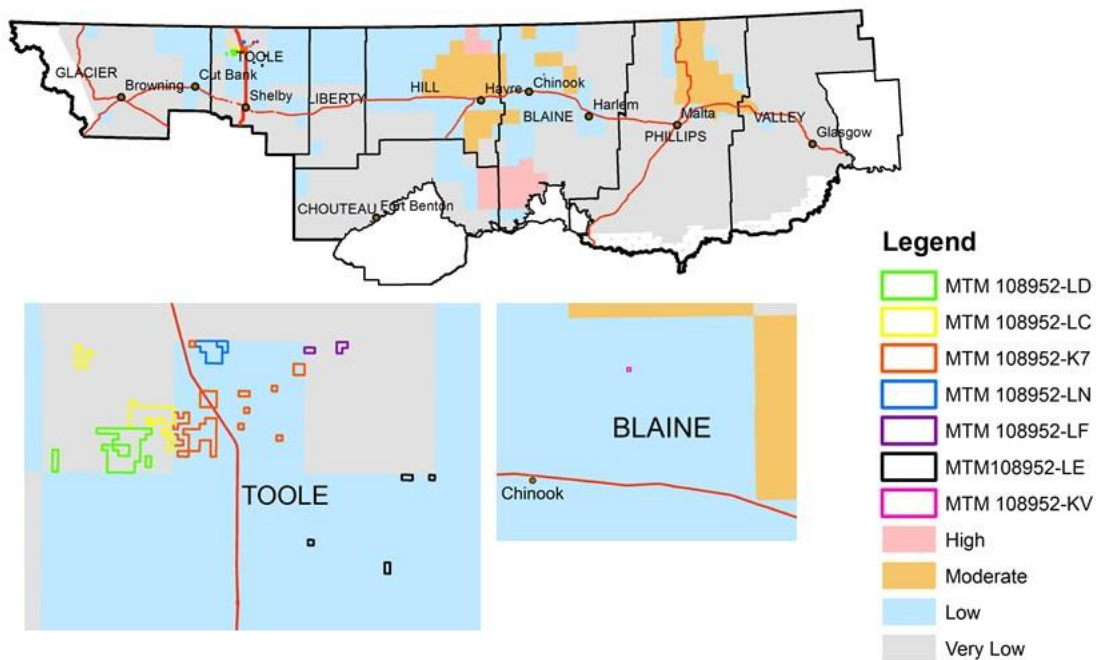


Table 4: Development potential by parcel.

Parcel	County	Total Acres	Potential	Wells/Acre	Resource Type	Wells
MTM 108952-KV	Blaine	40.00	Low	0.000434	Oil/Gas	0.02
MTM 108952-LE	Toole	240.92	Low	0.000434	Oil	0.10
MTM 108952-LF	Toole	197.53	Very Low	0.000022	Oil	0.004

Appendix D.1

MTM 108952-LN	Toole	692.63	Low	0.000434	Oil	0.30
MTM 108952-K7	Toole	2,103.74	Low	0.000434	Oil	0.91
MTM 108952-LC	Toole	1,480.00	Very Low	0.000022	Oil	0.03
MTM 108952-LD	Toole	2,000.00	Very Low	0.000022	Oil	0.04
Total		6,754.82				1.42

Surface disturbance estimates use Alternative E Development Scenario from the HiLine FEIS (Appendix E.1 table E.1.17 page 1281). For oil & gas wells other than coalbed gas and Bowdoin Dome area, each well could result in approximately 5.2 acres of short-term surface disturbance and approximately 0.92 acres of long-term surface disturbance. **For 1-2 wells, that equates to a range of 5.2 to 10.4 acres of short-term disturbance and 0.92 to 1.84 acres of long-term disturbance.**

South Dakota Reasonably Foreseeable Development Scenario

The Reasonably Foreseeable Development (RFD) for this EA is based on information contained in Chapter 3, Affected Environment, of the Resource Management Plan (RMP) developed for the South Dakota Field Office, and is incorporated by reference into this EA. The RMP contains the number of potential oil and gas wells that could be drilled and produced in the South Dakota Field Office Area, and was used to analyze the potential number of wells drilled for the nominated lease parcels. These well numbers are only an estimate based on historical drilling, geologic data, resource expertise, and current development in the area.

The South Dakota RFD “Study Area” contains approximately 25,838,000 surface acres of all oil and gas mineral ownerships. Total federal oil and gas mineral ownership, in the South Dakota Field Office planning area, amounts to about 3,374,000 acres, or about 13 percent of total acres.

Table 1: Oil & gas production and new well completions for counties with proposed parcels. Source: South Dakota Department of Environment & Natural Resources 2017 South Dakota Oil and Gas Statistics.

County	2017 Annual Oil Production (bbls)	2017 Annual Gas Production (Mcf)	2017 New Well Completions
Fall River	15,233	-	1
Harding	1,288,975	260,110	7
Total:	1,304,208	260,110	8

Appendix D.1

Table 2: Well count by county and status for counties with proposed parcels. Source: South Dakota Department of Environment & Natural Resources 2017 South Dakota Oil and Gas Statistics.

County	Producing Wells	Shut-In Wells	TA	Active Injection	Total
Fall River	9	7	2	7	25
Harding	265	131	21	47	464
Total:	274	138	23	54	489

The RMP estimates that during the 20-year planning cycle of 2010-2029, approximately 524 wells will be drilled. The distribution of well density is broken down by development potential. Development potential is defined as high, moderate, low, very low, and none which is related to the relative hydrocarbon prospect potential of the area.

Of the 6 parcels being offered 2 have, “low,” development potential, 1 has, “moderate,” development potential, and 3 have, “high,” development potential (Table 4). Table 4 provides an approximation of the amount of wells to be drilled on the offered parcels during 2010-2029. From this table it is estimated that a total of 1-2 wells will be drilled on the 6 parcels. Surface disturbance is estimated from the RMP, based on historical data for oil and gas wells in the area. Short term disturbance is estimated to be 5.3-10.6 acres and long term surface disturbance is estimated to be 3.2-6.4 acres.

Table 4: Development potential of all offered and deferred parcels.

Parcel	County	Total Acres	Potential	Acres/Well	Wells
SDM79010CY	Harding	799.51	High	1178	0.6787
SDM97300TJ	Harding	199.83	High	1178	0.1696
SDM97300TK	Harding	321.26	High	1178	0.2727
SDM97300TN	Fall River	79.69	Low	11780	0.0068
SDM97300TP	Fall River	119.70	Low	11780	0.0102
SDM97300TT	Fall River	238.72	Moderate	2356	0.1013
Total					1.24

Miles City Reasonably Foreseeable Development Scenario

Appendix D.1

The Reasonably Foreseeable Development (RFD) for this EA is based on information contained in Minerals Appendix of the Resource Management Plan (RMP) developed for the Miles City Field Office in the minerals Appendix (Min-90 – 92), and is incorporated by reference into this EA. The RMP contains the number of potential oil and gas wells that could be drilled and produced in the Miles City Field Office Area, and was used to analyze the potential number of wells drilled for the nominated lease parcels. These well numbers are only an estimate based on historical drilling, geologic data, resource expertise, and current development in the area.

The Miles City Field Office planning area contains approximately 12.5 million surface acres of all mineral ownership types. Total federal oil and gas mineral ownership, in the Miles City Field Office planning area, amounts to about 5.7 million acres, or about 45.6 percent of total acres.

Table 1: Oil & gas production (including associated gas) and new well completions for counties with proposed parcels. Source: Montana Board of Oil and Gas Online Data 7/18/2018.

County	2017 Annual Oil Production (in bbls)	2017 Annual Gas Production (in Mcf)	2017 New Well Completions
Bighorn	50,501	345,400	3
Custer	0	38,701	0
Rosebud	172,097	8,333	0
Carter	13,137	0	0
Fallon	3,343,474	6,927,046	1
Dawson	616,519	340,167	0
Roosevelt	2,539,799	2,972,636	4
Richland	9,741,524	15,495,779	0
Powder River	1,430,834	3,493	1
Wibaux	474,279	290,810	0
Total:	18,382,164	26,422,365	9

Table 2: Well count by county and status for counties with proposed parcels. Source: Montana Board of Oil and Gas Online Data 7/18/2018.

County	Producing Oil Wells	Producing Gas Wells	ShutIn Wells	TA	Active Injection	Total
Bighorn	40	88	176	3	7	314

Appendix D.1

Custer	0	4	2	0	0	6
Rosebud	52	0	110	3	50	215
Carter	1	0	25	8	1	35
Fallon	421	593	491	92	300	1,897
Dawson	55	0	22	6	20	103
Roosevelt	240	0	118	25	33	416
Richland	1114	0	174	6	30	1,324
Powder River	65	0	64	146	143	418
Wibaux	77	27	21	13	44	182
Total:	2,065	712	1,203	302	628	4,910

The RMP estimates that during the 20-year planning cycle of 2011-2030, approximately 7,524 wells will be drilled. The distribution of well density is broken down by development potential. Development potential is defined as high, medium, and low and is related to the relative hydrocarbon prospect potential of the area.

Of the 271 parcels being offered 191 have, “low,” development potential, 70 have, “medium,” development potential, and 10 have, “high,” development potential (Table 4). Table 4 provides an approximation of the amount of wells to be drilled on the offered parcels during 2011-2030. From this table it is estimated that a total of 28-29 wells will be drilled on the 271 parcels. The RMP projects 46% of new wells to be oil wells and the remaining to be gas wells. Therefore, the Reasonably Foreseeable Development for the Miles City Field Office Lease Parcels is 13-14 oil wells and 15-16 gas wells. Surface disturbance is estimated from the baseline scenario of the Miles City Field Office RMP, based on historical data for oil and gas wells in the area. Short term disturbance is estimated to be 70.35-75.60 acres and long term surface disturbance is estimated to be 26.29-28.24 acres.

Table 4: Development potential of all offered and deferred parcels.

Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM108952D3	Powder River	320	High	0.0006156	0.1973
MTM108952D4	Powder River	200	High	0.0006156	0.1232
MTM105431JK	Powder River	360	High	0.0006156	0.2216
MTM105431JL	Powder River	535	High	0.0006156	0.3292
MTM97300D2	Powder River	80	High	0.0006156	0.0492
MTM108952E3	Powder River	1320	High	0.0006156	0.8125
MTM108952E4	Powder River	545	High	0.0006156	0.3358
MTM108952EX	Richland	446	High	0.0006156	0.2743

Appendix D.1

MTM108952EY	Richland	43	High	0.0006156	0.0265
MTM108952EW	Roosevelt	80	High	0.0006156	0.0489
MTM1054319B	Carter	200	Low	0.0001078	0.0215
MTM1054319C	Carter	347	Low	0.0001078	0.0374
MTM1054319D	Carter	640	Low	0.0001078	0.0689
MTM1054319F	Carter	280	Low	0.0001078	0.0301
MTM1054319G	Carter	600	Low	0.0001078	0.0647
MTM1054319H	Carter	321	Low	0.0001078	0.0345
MTM10543196	Carter	325	Low	0.0001078	0.0350
MTM10543197	Carter	360	Low	0.0001078	0.0388
MTM10543198	Carter	80	Low	0.0001078	0.0086
MTM108952AH	Carter	321	Low	0.0001078	0.0346
MTM108952AJ	Carter	320	Low	0.0001078	0.0345
MTM108952AK	Carter	625	Low	0.0001078	0.0674
MTM108952AL	Carter	280	Low	0.0001078	0.0301
MTM108952BA	Carter	218	Low	0.0001078	0.0235
MTM108952BR	Carter	80	Low	0.0001078	0.0086
MTM108952BU	Carter	160	Low	0.0001078	0.0172
MTM108952BW	Carter	240	Low	0.0001078	0.0258

Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM108952BX	Carter	320	Low	0.0001078	0.0345
MTM108952BY	Carter	321	Low	0.0001078	0.0346
MTM105431Q9	Custer	647	Low	0.0001078	0.0698
MTM105431RE	Custer	320	Low	0.0001078	0.0345
MTM105431RD	Custer	644	Low	0.0001078	0.0694
MTM105431RG	Custer	633	Low	0.0001078	0.0682
MTM105431RH	Custer	641	Low	0.0001078	0.0691
MTM105431RM	Custer	120	Low	0.0001078	0.0129
MTM105431RV	Custer	782	Low	0.0001078	0.0843
MTM105431RW	Custer	454	Low	0.0001078	0.0490
MTM105431RX	Custer	320	Low	0.0001078	0.0345
MTM105431RY	Custer	639	Low	0.0001078	0.0688
MTM105431R3	Custer	320	Low	0.0001078	0.0345
MTM105431R6	Custer	320	Low	0.0001078	0.0345
MTM105431R7	Custer	639	Low	0.0001078	0.0689

Appendix D.1

MTM105431R8	Custer	320	Low	0.0001078	0.0345
MTM105431R9	Custer	640	Low	0.0001078	0.0690
MTM105431TA	Custer	40	Low	0.0001078	0.0043
MTM105431TB	Custer	641	Low	0.0001078	0.0691
MTM105431TC	Custer	641	Low	0.0001078	0.0690
MTM105431TE	Custer	339	Low	0.0001078	0.0366
MTM105431TF	Custer	622	Low	0.0001078	0.0670
MTM105431TG	Custer	630	Low	0.0001078	0.0679
MTM105431TK	Custer	303	Low	0.0001078	0.0327
MTM105431TL	Custer	629	Low	0.0001078	0.0678
MTM105431TM	Custer	604	Low	0.0001078	0.0651
MTM105431TN	Custer	308	Low	0.0001078	0.0332
MTM105431TQ	Custer	304	Low	0.0001078	0.0328
MTM105431TR	Custer	314	Low	0.0001078	0.0339
MTM105431TT	Custer	315	Low	0.0001078	0.0340
MTM105431TU	Custer	323	Low	0.0001078	0.0348
MTM105431TV	Custer	623	Low	0.0001078	0.0672
MTM105431T8	Custer	660	Low	0.0001078	0.0711
MTM105431T9	Custer	339	Low	0.0001078	0.0366
MTM105431UN	Custer	609	Low	0.0001078	0.0657
MTM105431UP	Custer	425	Low	0.0001078	0.0459
MTM105431UU	Custer	316	Low	0.0001078	0.0340
MTM105431U3	Custer	322	Low	0.0001078	0.0347
MTM105431U4	Custer	642	Low	0.0001078	0.0692

Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM105431U6	Custer	635	Low	0.0001078	0.0684
MTM105431U8	Custer	627	Low	0.0001078	0.0676
MTM105431U9	Custer	645	Low	0.0001078	0.0695
MTM105431VB	Custer	646	Low	0.0001078	0.0696
MTM105431VE	Custer	589	Low	0.0001078	0.0635
MTM105431VF	Custer	691	Low	0.0001078	0.0745
MTM105431VG	Custer	695	Low	0.0001078	0.0749
MTM105431VH	Custer	465	Low	0.0001078	0.0501
MTM105431VJ	Custer	643	Low	0.0001078	0.0693

Appendix D.1

MTM105431VK	Custer	639	Low	0.0001078	0.0688
MTM105431VM	Custer	320	Low	0.0001078	0.0345
MTM105431VN	Custer	467	Low	0.0001078	0.0503
MTM105431VP	Custer	160	Low	0.0001078	0.0173
MTM105431VQ	Custer	641	Low	0.0001078	0.0691
MTM105431W3	Custer	633	Low	0.0001078	0.0682
MTM105431W4	Custer	622	Low	0.0001078	0.0670
MTM105431V4	Custer	320	Low	0.0001078	0.0345
MTM105431V6	Custer	198	Low	0.0001078	0.0213
MTM105431V8	Custer	643	Low	0.0001078	0.0693
MTM105431WR	Custer	89	Low	0.0001078	0.0096
MTM105431WU	Custer	332	Low	0.0001078	0.0357
MTM105431WV	Custer	325	Low	0.0001078	0.0350
MTM105431XM	Custer	641	Low	0.0001078	0.0690
MTM105431XN	Custer	320	Low	0.0001078	0.0345
MTM105431XP	Custer	739	Low	0.0001078	0.0796
MTM105431XQ	Custer	321	Low	0.0001078	0.0346
MTM105431XR	Custer	641	Low	0.0001078	0.0690
MTM105431XT	Custer	641	Low	0.0001078	0.0691
MTM105431XU	Custer	640	Low	0.0001078	0.0690
MTM105431X6	Custer	638	Low	0.0001078	0.0688
MTM105431X7	Custer	641	Low	0.0001078	0.0691
MTM105431X9	Custer	642	Low	0.0001078	0.0692
MTM105431YA	Custer	320	Low	0.0001078	0.0345
MTM105431YB	Custer	762	Low	0.0001078	0.0821
MTM105431YC	Custer	523	Low	0.0001078	0.0564
MTM10543136	Custer	800	Low	0.0001078	0.0862
MTM10543137	Custer	800	Low	0.0001078	0.0862
MTM10543138	Custer	443	Low	0.0001078	0.0477

Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM10543139	Custer	321	Low	0.0001078	0.0346
MTM1054314A	Custer	640	Low	0.0001078	0.0690
MTM1054314B	Custer	640	Low	0.0001078	0.0689
MTM1054314C	Custer	642	Low	0.0001078	0.0692

Appendix D.1

MTM1054314D	Custer	440	Low	0.0001078	0.0475
MTM1054314E	Custer	105	Low	0.0001078	0.0113
MTM1054314T	Custer	966	Low	0.0001078	0.1041
MTM1054314U	Custer	75	Low	0.0001078	0.0081
MTM1054314V	Custer	462	Low	0.0001078	0.0498
MTM1054314W	Custer	635	Low	0.0001078	0.0684
MTM1054314X	Custer	318	Low	0.0001078	0.0343
MTM1054314Y	Custer	80	Low	0.0001078	0.0087
MTM10543143	Custer	649	Low	0.0001078	0.0700
MTM10543144	Custer	317	Low	0.0001078	0.0342
MTM10543146	Custer	323	Low	0.0001078	0.0348
MTM10543147	Custer	646	Low	0.0001078	0.0696
MTM10543148	Custer	749	Low	0.0001078	0.0807
MTM10543149	Custer	744	Low	0.0001078	0.0802
MTM1054316V	Custer	315	Low	0.0001078	0.0339
MTM1054316W	Custer	313	Low	0.0001078	0.0338
MTM10543163	Custer	643	Low	0.0001078	0.0693
MTM10543164	Custer	119	Low	0.0001078	0.0128
MTM1054317A	Custer	157	Low	0.0001078	0.0169
MTM1054317B	Custer	326	Low	0.0001078	0.0351
MTM1054317C	Custer	631	Low	0.0001078	0.0680
MTM1054317D	Custer	628	Low	0.0001078	0.0677
MTM1054317E	Custer	222	Low	0.0001078	0.0239
MTM1054317F	Custer	313	Low	0.0001078	0.0337
MTM105431YG	Custer	959	Low	0.0001078	0.1033
MTM105431YJ	Custer	322	Low	0.0001078	0.0347
MTM105431YK	Custer	315	Low	0.0001078	0.0339
MTM105431YN	Custer	632	Low	0.0001078	0.0681
MTM105431YP	Custer	476	Low	0.0001078	0.0513
MTM105431YR	Custer	634	Low	0.0001078	0.0683
MTM1054313D	Custer	721	Low	0.0001078	0.0777
MTM1054313E	Custer	1209	Low	0.0001078	0.1303
MTM1054313F	Custer	1283	Low	0.0001078	0.1383
MTM1054313G	Custer	1535	Low	0.0001078	0.1654

Appendix D.1

Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM1054313H	Custer	769	Low	0.0001078	0.0828
MTM1054313K	Custer	643	Low	0.0001078	0.0693
MTM1054313L	Custer	627	Low	0.0001078	0.0675
MTM1054313M	Custer	309	Low	0.0001078	0.0333
MTM1054313N	Custer	650	Low	0.0001078	0.0700
MTM1054313P	Custer	472	Low	0.0001078	0.0509
MTM10543133	Custer	642	Low	0.0001078	0.0692
MTM1054317G	Custer	1285	Low	0.0001078	0.1385
MTM1054317H	Custer	1278	Low	0.0001078	0.1377
MTM1054317J	Custer	40	Low	0.0001078	0.0043
MTM1054317L	Custer	804	Low	0.0001078	0.0866
MTM1054317M	Custer	232	Low	0.0001078	0.0250
MTM1054317P	Custer	698	Low	0.0001078	0.0752
MTM1054317Q	Custer	362	Low	0.0001078	0.0390
MTM1054317T	Custer	542	Low	0.0001078	0.0585
MTM1054317U	Custer	1177	Low	0.0001078	0.1268
MTM1054317V	Custer	1286	Low	0.0001078	0.1386
MTM1054317W	Custer	1284	Low	0.0001078	0.1384
MTM1054317X	Custer	644	Low	0.0001078	0.0694
MTM10543178	Custer	321	Low	0.0001078	0.0346
MTM10543179	Custer	641	Low	0.0001078	0.0691
MTM1054318A	Custer	120	Low	0.0001078	0.0130
MTM1054318D	Custer	642	Low	0.0001078	0.0691
MTM1054319K	Fallon	320	Low	0.0001078	0.0345
MTM1054319L	Fallon	320	Low	0.0001078	0.0345
MTM1054319M	Fallon	321	Low	0.0001078	0.0346
MTM1054319N	Fallon	320	Low	0.0001078	0.0345
MTM1054319P	Fallon	319	Low	0.0001078	0.0344
MTM1054319Q	Fallon	120	Low	0.0001078	0.0129
MTM1054319R	Fallon	320	Low	0.0001078	0.0345
MTM1054319T	Fallon	320	Low	0.0001078	0.0345
MTM1054319U	Fallon	224	Low	0.0001078	0.0241
MTM1054319W	Fallon	639	Low	0.0001078	0.0689
MTM1054319Y	Fallon	80	Low	0.0001078	0.0086

Appendix D.1

MTM10543193	Fallon	319	Low	0.0001078	0.0344
MTM10543194	Fallon	40	Low	0.0001078	0.0043
MTM108952AF	Fallon	280	Low	0.0001078	0.0302
MTM108952AX	Fallon	642	Low	0.0001078	0.0692

Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM108952AY	Fallon	200	Low	0.0001078	0.0216
MTM108952A4	Fallon	40	Low	0.0001078	0.0043
MTM108952A6	Fallon	161	Low	0.0001078	0.0173
MTM108952A7	Fallon	161	Low	0.0001078	0.0173
MTM108952BK	Fallon	160	Low	0.0001078	0.0172
MTM108952BM	Fallon	795	Low	0.0001078	0.0857
MTM108952BN	Fallon	642	Low	0.0001078	0.0692
MTM108952BP	Fallon	321	Low	0.0001078	0.0346
MTM108952B9	Fallon	277	Low	0.0001078	0.0299
MTM108952CB	Fallon	401	Low	0.0001078	0.0432
MTM108952CG	Fallon	400	Low	0.0001078	0.0431
MTM108952CH	Fallon	641	Low	0.0001078	0.0690
MTM108952CJ	Fallon	479	Low	0.0001078	0.0517
MTM108952CM	Fallon	321	Low	0.0001078	0.0345
MTM108952JC	Rosebud	120	Low	0.0001078	0.0129
MTM108952JD	Rosebud	321	Low	0.0001078	0.0346
MTM108952JG	Rosebud	399	Low	0.0001078	0.0430
MTM108952JM	Rosebud	1986	Low	0.0001078	0.2140
MTM108952JV	Rosebud	641	Low	0.0001078	0.0690
MTM108952KN	Rosebud	1571	Low	0.0001078	0.1693
MTM108952KQ	Rosebud	2	Low	0.0001078	0.0002
MTM105431NJ	Big Horn	345	Medium	0.0003591	0.1239
MTM105431NK	Big Horn	629	Medium	0.0003591	0.2258
MTM105431MX	Big Horn	274	Medium	0.0003591	0.0983
MTM105431NN	Big Horn	119	Medium	0.0003591	0.0427
MTM105431MY	Big Horn	40	Medium	0.0003591	0.0143
MTM105431PA	Big Horn	320	Medium	0.0003591	0.1150
MTM105431PK	Big Horn	40	Medium	0.0003591	0.0143
MTM105431ME	Big Horn	332	Medium	0.0003591	0.1192

Appendix D.1

MTM105431MG	Big Horn	615	Medium	0.0003591	0.2209
MTM105431MH	Big Horn	618	Medium	0.0003591	0.2220
MTM105431N4	Big Horn	640	Medium	0.0003591	0.2297
MTM105431N6	Big Horn	480	Medium	0.0003591	0.1724
MTM105431PL	Big Horn	640	Medium	0.0003591	0.2299
MTM105431PM	Big Horn	641	Medium	0.0003591	0.2301
MTM105431PQ	Big Horn	640	Medium	0.0003591	0.2298
MTM105431PU	Big Horn	40	Medium	0.0003591	0.0143
MTM105431PV	Big Horn	40	Medium	0.0003591	0.0144

Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM105431PW	Big Horn	640	Medium	0.0003591	0.2298
MTM105431PR	Big Horn	640	Medium	0.0003591	0.2297
MTM105431PN	Big Horn	480	Medium	0.0003591	0.1725
MTM105431PP	Big Horn	640	Medium	0.0003591	0.2299
MTM105431PT	Big Horn	160	Medium	0.0003591	0.0574
MTM105431PX	Big Horn	640	Medium	0.0003591	0.2300
MTM105431PY	Big Horn	481	Medium	0.0003591	0.1726
MTM105431P3	Big Horn	320	Medium	0.0003591	0.1151
MTM105431P4	Big Horn	382	Medium	0.0003591	0.1373
MTM105431P6	Big Horn	215	Medium	0.0003591	0.0773
MTM105431P7	Big Horn	377	Medium	0.0003591	0.1354
MTM105431P8	Big Horn	187	Medium	0.0003591	0.0670
MTM105431P9	Big Horn	332	Medium	0.0003591	0.1192
MTM105431QA	Big Horn	255	Medium	0.0003591	0.0916
MTM105431M7	Big Horn	317	Medium	0.0003591	0.1137
MTM105431M8	Big Horn	167	Medium	0.0003591	0.0599
MTM108952HF	Rosebud	1121	Medium	0.0003591	0.4027
MTM108952HJ	Big Horn	41	Medium	0.0003591	0.0146
MTM108952HK	Big Horn	1205	Medium	0.0003591	0.4327
MTM108952HL	Big Horn	40	Medium	0.0003591	0.0145
MTM108952HM	Big Horn	161	Medium	0.0003591	0.0577
MTM108952HP	Big Horn	781	Medium	0.0003591	0.2806
MTM108952HR	Big Horn	1283	Medium	0.0003591	0.4606
MTM108952HT	Big Horn	80	Medium	0.0003591	0.0287

Appendix D.1

MTM108952HU	Big Horn	392	Medium	0.0003591	0.1407
MTM108952JA	Big Horn	80	Medium	0.0003591	0.0288
MTM108952HN	Big Horn	480	Medium	0.0003591	0.1724
MTM108952JL	Dawson	162	Medium	0.0003591	0.0582
MTM108952K6	Dawson	1199	Medium	0.0003591	0.4307
MTM108952K9	Dawson	1920	Medium	0.0003591	0.6894
MTM108952KX	Dawson	1394	Medium	0.0003591	0.5006
MTM108952KY	Dawson	1963	Medium	0.0003591	0.7050
MTM108952LA	Dawson	1720	Medium	0.0003591	0.6177
MTM108952LB	Dawson	2080	Medium	0.0003591	0.7471
MTM108952LK	Dawson	485	Medium	0.0003591	0.1742
MTM108952KW	Dawson	1064	Medium	0.0003591	0.3822
MTM108952K8	Dawson	1488	Medium	0.0003591	0.5345
MTM108952JW	Dawson	122	Medium	0.0003591	0.0440
Parcel	County	Total Acres	Potential	Wells/Acre	Wells
MTM105431KM	Fallon	320	Medium	0.0003591	0.1149
MTM97300FH	Fallon	924	Medium	0.0003591	0.3317
MTM108952JB	Rosebud	320	Medium	0.0003591	0.1148
MTM108952JE	Rosebud	320	Medium	0.0003591	0.1150
MTM108952JF	Rosebud	561	Medium	0.0003591	0.2014
MTM108952JH	Rosebud	675	Medium	0.0003591	0.2423
MTM108952JJ	Rosebud	681	Medium	0.0003591	0.2445
MTM108952JK	Rosebud	80	Medium	0.0003591	0.0287
MTM108952JN	Rosebud	2087	Medium	0.0003591	0.7494
MTM108952JP	Rosebud	1121	Medium	0.0003591	0.4024
MTM108952JQ	Rosebud	348	Medium	0.0003591	0.1251
MTM108952JR	Rosebud	740	Medium	0.0003591	0.2657
MTM108952JT	Rosebud	1922	Medium	0.0003591	0.6902
MTM108952JU	Rosebud	1940	Medium	0.0003591	0.6967
MTM105431KN	Wibaux	320	Medium	0.0003591	0.1150
Total					29