## DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION OF THE STATE OF MONTANA

## Oil and Gas Conservation Division

Steve Bullock, Governor



## ANNUAL REVIEW 2016 Volume 60

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2535 ST. JOHNS AVENUE BILLINGS, MONTANA 59102

#### **OFFICES LOCATED AT:**

2535 St. Johns Avenue, Billings, Montana 59102 165 Main Street, Shelby, Montana 59474 1625 Eleventh Avenue, Helena, Montana 59620

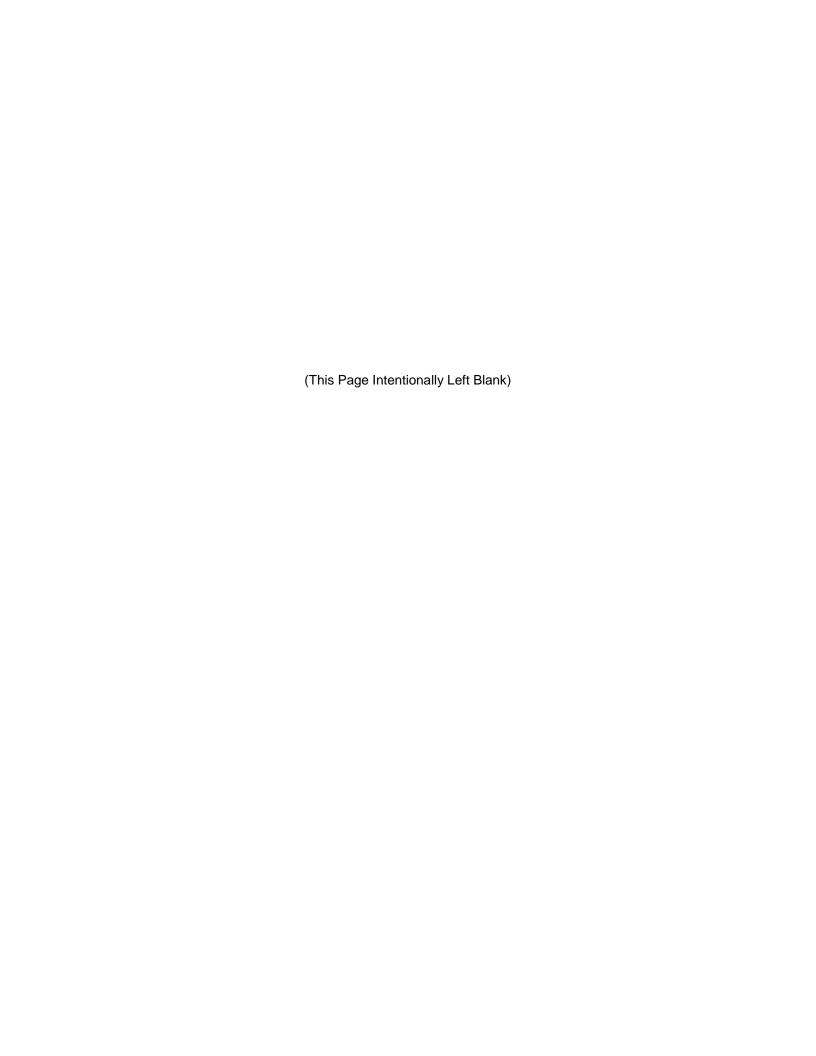
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Additional statistical information is available on the Board's website

http://www.bogc.dnrc.mt.gov

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## 2016 Summary

#### **Production**

	Reported Volume		Change From Previous Year
Total Liquids Production	23,187,078	Barrels	-18.80%
Oil	23,182,600	Barrels	-18.81%
Condensate	4,478	Barrels	-6.71%
Total Gas Production	52,306,362		-11.93%
Associated Gas	22,916,645	MCF	-13.34%
Natural Gas	29,389,717	MCF	-10.81%
Oil And Condensate Production	23,187,078 Barrels		
Gas Production Allocated To F	52,306,362 MCF		

#### **Permits**

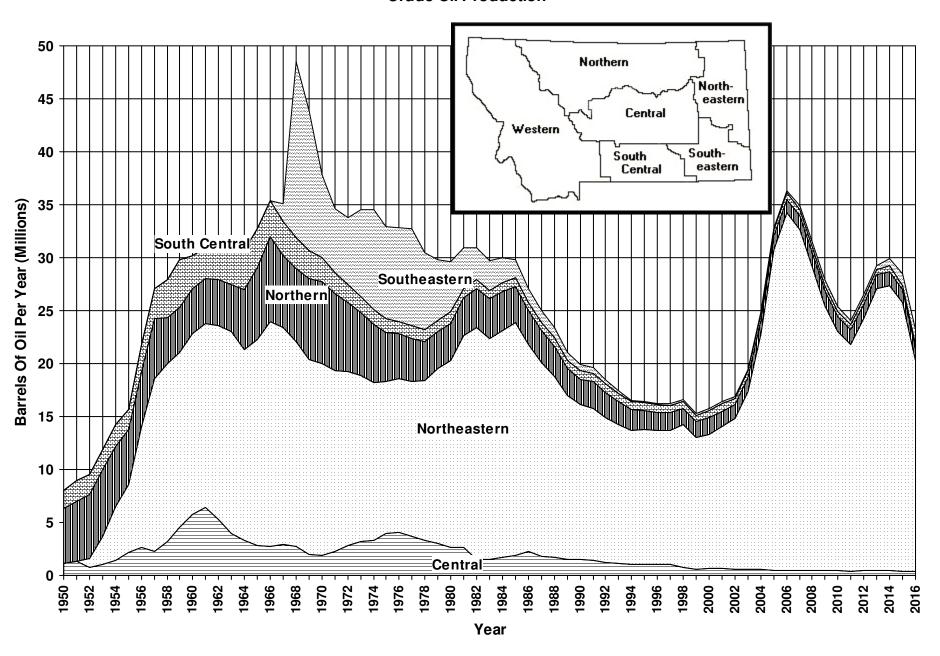
Wells Permitted	24	Re-issued Permits	87
New Vertical Wells	15		
New Horizontal Wells	6		
Re-entry of Abandoned Wells	3		
Permits for Horizontal Re-entry Of Ex	isting Vertica	al Wells 1	

#### **Board Orders**

Total Number Of Orders Issued 58

Orders Included The Following Actions:	Number Of Actions
Units Or Enhanced Recovery Projects	0
Exception To Spacing Or Field Rules	9
Field Delineation, Enlargement, Or Reduction	1
Certification For Tax Incentive	0
Temporary Or Permanent Spacing Unit Designation	5
Class II Injection Permits	7
Other	40

#### **Crude Oil Production**



## **Five-Year Production Summary**

	2012	2013	2014	2015	2016
OIL PRODUCTION IN BARRELS					
Northern Montana	1,421,394	1,324,960	1,268,752	1,239,271	1,131,064
Central	534,986	493,087	489,284	419,679	357,125
South Central	467,833	502,293	474,108	447,842	390,147
Northeastern	23,681,294	26,636,857	26,923,656	25,351,564	19,929,298
Southeastern	379,977	326,476	735,895	1,093,684	1,374,966
Total	26,485,484	29,283,673	29,891,695	28,552,040	23,182,600
NUMBER OF PRODUCING OIL WELLS					
Northern Montana	2,055	2,064	2,066	2,116	2,068
Central	238	229	217	205	182
South Central	133	133	134	131	104
Northeastern	2,285	2,404	2,464	2,409	2,266
Southeastern	40	56	71	86	95
Total	4,751	4,886	4,952	4,947	4,715
AVERAGE DAILY OIL PRODUCTION PER WELL					
Northern Montana	2.2	2.1	2.0	1.9	1.8
Central	8.7	8.1	8.1	7.6	7.6
South Central	10.6	11.5	10.6	10.2	11.3
Northeastern	32.6	35.3	34.5	33.1	27.7
Southeastern	32.9	25.5	39.0	43.8	46.9
State Average	17.9	19.4	19.4	18.5	15.8
NON-ASSOCIATED GAS PRODUCTION IN MCF					
Northern Montana	30,390,475	27,264,617	25,265,472	23,813,294	21,296,985
Central	171,624	156,993	136,493	122,063	118,444
South Central	4,490,095	2,346,938	1,330,700	1,145,498	993,190
Northeastern	10,208,495	9,115,026	8,530,464	7,813,685	6,937,715
Southeastern	109,389	94,222	73,334	56,205	43,383
Total	45,370,078	38,977,796	35,336,463	32,950,745	29,389,717
NUMBER OF PRODUCING GAS WELLS					
Northern Montana	4,563	4,412	4,427	4,436	4,231
Central	12	12	11	11	11
South Central	669	489	232	236	210
Northeastern	1,009	879	923	928	990
Southeastern	21	6	6	4	5
Total	6,274	5,798	5,599	5,615	5,447
AVERAGE DAILY GAS PRODUCTION PER WELL	·				
Northern Montana	20.2	18.3	17.4	16.6	15.6
Central	40.3	37.9	39.1	41.7	44.0
South Central	26.1	21.1	17.8	16.1	14.5
Northeastern	34.9	32.6	28.0	23.5	20.5
Southeastern	25.6	43.2	39.9	38.7	29.6
State Average	22.9	20.7	19.2	17.9	16.6

## 2016 Refiners' Annual Report

#### Summary

Company	Beginning Storage	Montana Oil	Wyoming Oil	Canada Oil	Refined	Ending Storage
CHS	233,429	2,384,867	1,350,875	38,499,926	42,260,237	208,860
Phillips 66	302,092	169,564	180,133	20,550,320	20,983,442	218,667
Exxon Corp.	246,567	0	3,859,301	14,203,248	17,977,494	331,622
Calumet	38,757	0	0	7,723,720	7,657,441	105,036
Total·	820 845	2 554 431	5 390 309	80 977 214	88 878 614	864 185

#### **Percentage Of Crude Oil Received**

Year	Montana	Wyoming	Canada
0040	0.74	40.00	05.00
2012	2.71	12.09	85.20
2013	2.25	11.19	86.55
2014	2.34	9.66	88.00
2015	2.17	9.64	88.22
2016	2.87	6.06	91.10

### **Average Barrels Per Day**

Year	Montana	Wyoming	Canada	Total
				-
2012	4,547	20,291	142,989	167,827
2013	3,929	19,525	150,964	174,418
2014	4,055	16,757	152,609	173,421
2015	4,064	18,012	164,721	186,797
2016	6,998	14,768	221,855	243,622

## **Refining Five Year Comparison (Barrels)**

2012	2013	2014	2015	2016
61.020.881	63.659.928	63.359.580	68.148.875	88.878.614

## **Five-Year Permit Summary**

2012	Oil	Gas	CBM	Gas Storage	Injection	Disposal	Other	Total
Quarter 1	125	0	0	0	0	0	2	127
Quarter 2	103	1	0	0	0	0	1	105
Quarter 3	77	1	0	0	0	3	0	81
Quarter 4	87	11	0	0	0	0	0	98
Total 2012	392	13	0	0	0	3	3	411
2013	Oil	Gas	CBM	Gas Storage	Injection	Disposal	Other	Total
Quarter 1	64	2	0	0	2	1	1	70
Quarter 2	71	12	0	0	0	0	0	83
Quarter 3	71	1	0	0	9	0	0	81
Quarter 4	59	0	0	0	4	0	0	63
Total 2013	265	15	0	0	15	1	1	297
2014	Oil	Gas	CBM	Gas Storage	Injection	Disposal	Other	Total
Quarter 1	39	0	0	0	0	0	0	39
Quarter 2	60	2	0	0	0	1	0	63
Quarter 3	85	8	0	0	0	0	1	94
Quarter 4	56	17	0	0	0	1	0	74
Total 2014	240	27	0	0	0	2	1	270
2015	Oil	Gas	CBM	Gas Storage	Injection	Disposal	Other	Total
Quarter 1	16	0	0	0	0	0	1	17
Quarter 2	12	2	0	0	3	0	0	17
Quarter 3	14	5	0	0	1	0	0	20
Quarter 4	3	1	0	0	0	0	0	4
Total 2015	45	8	0	0	4	0	1	58
2016	Oil	Gas	СВМ	Gas Storage	Injection	Disposal	Other	Total
Quarter 1	3	0	0	0	0	0	0	3
Quarter 2	5	0	0	0	0	0	0	5
Quarter 3	5	2	0	0	0	0	0	7
Quarter 4	7	1	0	0	0	1	0	9
Total 2016	20	3	0	0	0	1	0	24

## **Five-Year Completion Summary**

2012	Oil	Gas	CBM	Gas Storage	Dry	Injection	Disposal	Other	Total
Quarter 1	39	1	0	0	7	1	2	1	51
Quarter 2	59	1	0	0	9	0	2	0	71
Quarter 3	71	2	0	0	8	5	2	0	88
Quarter 4	70	14	0	0	5	0	2	0	91
Total 2012	239	18	0	0	29	6	8	1	301
2013	Oil	Gas	CBM	Gas Storage	Dry	Injection	Disposal	Other	Total
Quarter 1	55	0	0	0	4	0	0	0	59
Quarter 2	50	0	0	0	3	2	0	1	56
Quarter 3	39	0	0	0	7	1	1	1	49
Quarter 4	41	9	1	0	6	0	0	0	57
Total 2013	185	9	1	0	20	3	1	2	221
2014	Oil	Gas	СВМ	Gas Storage	Dry	Injection	Disposal	Other	Total
Quarter 1	32	0	0	0	3	1	0	0	36
Quarter 2	45	1	0	0	9	10	0	0	65
Quarter 3	50	2	0	0	4	1	1	2	60
Quarter 4	45	18	0	0	2	0	0	0	65
Total 2014	172	21	0	0	18	12	1	2	226
2015	Oil	Gas	СВМ	Gas Storage	Dry	Injection	Disposal	Other	Total
Quarter 1	29	2	0	0	4	1	1	2	39
Quarter 2	10	0	0	0	0	2	1	0	13
Quarter 3	6	1	0	0	5	0	0	0	12
Quarter 4	7	0	0	0	3	1	0	0	11
Total 2015	52	3	0	0	12	4	2	2	75
2016	Oil	Gas	СВМ	Gas Storage	Dry	Injection	Disposal	Other	Total
Quarter 1	0	1	0	0	0	1	0	0	2
Quarter 2	0	0	0	0	1	0	0	0	1
Quarter 3	1	0	0	0	1	0	0	0	2
Quarter 4	2	1	0	0	0	0	1	0	4
Total 2016	3	2	0	0	2	1	1	0	9

## 2016 Top 100 Oil Producers

	Company	Barrels of Oil		Company	Barrels of Oil
1	Denbury Onshore, LLC	5,313,448	51	Vess Oil Corporation	21,889
2	Continental Resources Inc	4,414,750	52	SDOCO, LLC	19,582
3	XTO Energy Inc.	1,959,358	53	Seymour, James G.	19,095
4	Oasis Petroleum North America LLC	1,709,857	54	Provident Energy Of Montana, LLC	18,328
5	Whiting Oil and Gas Corporation	1,634,385	55	Interstate Explorations, LLC	17,089
6	Enerplus Resources USA Corporation	1,264,607	56	Earthstone Energy, Inc.	16,739
7	SM Energy Company	608,954	57	Hawley & Desimon	16,720
8	Petro-Hunt, LLC	573,134	58	Cowry Enterprises, Ltd.	16,222
9	Vanguard Operating, LLC	437,650	59	D & M Welding LLC	15,965
10	Statoil Oil & Gas LP	428,801	60	Keesun Corporation	14,026
11	EOG Resources, Inc.	400,792	61	Bensun Energy, LLC	13,508
12	Burlington Resources Oil & Gas Company LP	396,488	62	Sannes, Ronald M. Or Margaret Ann	13,386
13	Slawson Exploration Company Inc	357,584	63	Sands Oil Company	13,135
14	Legacy Reserves Operating LP	280,970	64	Carrell Oil Company Dba Coco	13,127
15	Citation Oil & Gas Corp.	256,907	65	Beren Corporation	11,956
16	White Rock Oil & Gas, LLC	253,368	66	Chelin LLC	10,639
17	Newfield Production Company	185,950	67	Morken Production LLC	9,996
18	MCR, LLC	150,791	68	Woods, Pete Or Maxine	9,885
19	TAQA USA, Inc.	149,844	69	R & A Oil, Inc.	9,136
20	Synergy Offshore LLC	142,032	70	Manuel Corporation	8,210
21	Wesco Operating, Inc.	136,427	71	T.W.O. (Taylor Well Operating)	8,163
22	Kraken Operating, LLC	132,018	72	Montalban Oil & Gas Operations, Inc.	8,111
23	Somont Oil Company, Inc.	118,094	73	Darrah Oil Company, LLC	7,902
24	True Oil LLC	111,977	74	Tyler Oil Company	7,886
25	Rim Operating, Inc.	97,818	75	King-Sherwood Oil	7,849
26	Omimex Canada, Ltd.	89,793	76	Drawings, LLC	7,587
27	Samson Oil and Gas USA, Inc.	73,977	77	Chaco Energy Company	7,572
28	Anadarko Minerals, Inc.	73,785	78	Macum Energy Inc.	7,448
29	Northern Oil Production, Inc.	63,883	79	Unit Petroleum Company	7,014
30	Nautilus Poplar LLC	59,200	80	Comanche Drilling Company	6,824
31	Cardinal Oil, LLC	54,836	81	Coolidge, G. B., Inc.	6,785
32	Cline Production Company	52,903	82	Hawley Oil Company	6,758
33	Tomahawk Oil Company, Inc.	47,898	83	Vecta Oil & Gas, Ltd.	6,615
34	FX Drilling Company, Inc.	47,707	84	MBI Oil and Gas, LLC	6,582
35	Foundation Energy Management, LLC	47,499	85	Ritchie Exploration, Inc.	6,346
36	Abraxas Petroleum Corporation	45,596	86	McRae & Henry Ltd	6,295
37	Bayswater Exploration & Production, LLC	44,371	87	Hawley Hydrocarbons, Merrill&Carol Hawley D	5,917
38	EnergyQuest II, LLC	44,299	88	Missouri River Royalty Corporation	5,916
39	Balko, Inc.	41,198	89	Sonkar, Inc.	5,913
40	Soap Creek Associates, Inc.	34,098	90	Wyoming Resources Corporation	5,901
41	Armstrong Operating, Inc.	31,438	91	NorthWestern Corporation	5,690
42	Nine Point Energy, LLC	31,076	92	Grand Resources, Ltd.	5,457
43	Behm Energy, Inc.	25,361	93	Big Gully Oil, LLC	5,037
44	Shakespeare Oil Co Inc	24,678	94	XOIL Inc.	4,909
45	Croft Petroleum Co.	24,441	95	Presco, Inc.	4,892
46	Mountain View Energy, Inc.	23,758	96	Montana Heartland LLC	4,614
47	H&R Energy, LLC	23,545		Pamect Oil, Keith E. Tyner Dba	4,582
48	Three Forks Resources, LLC	23,409	98	Blackjack Oil, Inc.	4,557
49	Sinclair Oil & Gas Company	22,079		BTA Oil Producers, LLC	4,526
50	Beartooth Oil & Gas Company	22,030	100	Campanella, George L	4,252

## **2016 Top Gas Producers**

(Includes operators with over 10,000 MCF of gas produced during the calendar year.)

	Company	MCF	Company	MCF
1	Scout Energy Management LLC	14,323,751		
2	NorthWestern Corporation	7,302,796		
3	Omimex Canada, Ltd.	1,472,112		
4	Noble Energy, Inc.	1,398,450		
5	MCR, LLC	536,422		
6	Saga Petroleum, LLC	470,791		
7	Croft Petroleum Co.	368,278		
8	Somont Oil Company, Inc.	361,906		
9	Ranck Oil Company, Inc.	287,597		
10	Summit Gas Resources, Inc.	252,814		
11	Western Natural Gas Company	236,989		
12	Jurassic Resources Development NA LLC	186,618		
13	Keesun Corporation	183,907		
14	LaMarsa Corp.	181,522		
15	Brown, J. Burns Operating Company	179,160		
16	T.W.O. (Taylor Well Operating)	142,064		
17	Chippewa Cree Tribe	129,732		
18	Highline Exploration, Inc.	114,204		
19	Montana Land & Exploration, Inc.	90,897		
20	A. B. Energy LLC	84,504		
21	Balko, Inc.	65,108		
22	Macum Energy Inc.	60,531		
23	Sands Oil Company	60,444		
24	Mountain View Energy, Inc.	60,001		
25	Saco, Town Of	58,915		
26	Artex Oil Company	57,401		
27	Bayswater Exploration & Production, LLC	50,320		
28	White Rock Oil & Gas, LLC	49,339		
29	Ursa Major (Crow OG), LLC	46,937		
30	Decker Operating Company, L.L.C.	38,140		
31	Montana Heartland LLC	36,609		
32	Alme, Henry A.	35,228		
33	Rimrock Colony	33,177		
34	Topaz Oil & Gas Inc	31,816		
35	Sector Resources (II) Ltd.	29,264		
36	DL Energy, LLC	27,994		
37	Parsell, R. W.	23,603		
38	Coolidge, G. B., Inc.	20,599		
39	American Midwest Oil & Gas Corp.	17,400		
40	Ballantyne Ventures LLC	17,265		
41	Mountain Pacific General Inc.	16,090		
42	Petroleum Engineering & Management Corp.	14,974		
43	Three Forks Resources, LLC	13,415		
44	Glacier Minerals, LLC	13,344		
45	Slow Poke Production-George L. Dobson Dba	11,601		
46	Northland Holdings, Inc.	10,344		
47	D & H Energy, LLC	10,178		
48	Montana Land & Mineral Co.	10,035		

## 2016 Top Oil And Gas Producing Fields

	Oil Fields			Gas Fields				
	Field	Barrels		Field	MCF			
1	Elm Coulee	8,429,742	1	Cedar Creek	6,682,289			
2	Elm Coulee, Northeast	4,472,148	2	Bowdoin	6,408,260			
3	Bell Creek	1,357,553	3	Tiger Ridge	3,605,907			
4	Pennel	819,094	4	Whitewater	1,043,157			
5	Lookout Butte, East, Unit	705,331	5	Cut Bank	997,586			
6	Cabin Creek	676,071	6	Battle Creek	765,302			
7	Pine	633,729	7	Ashfield	752,530			
8	Lookout Butte	532,982	8	Loring	712,591			
9	Elk Basin	319,839	9	Sawtooth Mountain	707,768			
10	Windy Ridge	250,468	10	Bullwacker	661,095			
11	Cut Bank	242,665	11	Sherard, Area	461,875			
12	Kevin-Sunburst	231,743	12	Red Rock	392,594			
13	Little Beaver	186,013	13	Whitlash	364,139			
14	Bloomfield, South	183,648	14	St. Joe Road	348,570			
15	Bloomfield	179,042	15	Loring, East	327,242			
16	Bowes	157,639	16	Kevin-Sunburst	313,715			
17	Bainville, North	149,923	17	Prairie Dell	308,797			
18	Pondera	134,878	18	Dry Creek	249,716			
19	Flat Lake	123,734	19	Old Shelby	236,751			
20	Bainville II	114,958	20	Pine Gas	223,227			
21	Monarch	109,665	21	Amanda	196,333			
22	Gas City	101,014	22	Big Coulee	182,758			
23	Little Beaver, East	88,679	23	Rocky Boy Area	177,826			
24	Mon Dak, West	81,545	24	Dietz	169,457			
25	Glendive	74,354	25	Bowes	148,631			
26	Sioux Pass	73,696	26	Whitewater, East	126,797			
27	Deer Creek	66,933	27	Swanson Creek	126,195			
28	Brush Lake	65,536	28	Kevin Southwest	124,384			
29	Divide	64,848	29	Toluca	114,204			
30	Sumatra	60,340	30	Big Rock	112,892			
31	Rabbit Hills	59,685	31	Badlands	107,784			
32	Whitlash	55,125	32	Fresno	104,379			
33	Nohly	53,963	33	Coal Creek	83,357			
	Lustre	53,781	34	Willow Ridge, South	68,993			
35	Bainville	53,279		Arch Apex	67,295			
36	Waterhole Creek	48,008		Ledger	65,108			
37	Reagan	47,510		Keith, East	64,826			
	Poplar, Northwest	45,711		Dry Creek, West	60,562			
39	Ridgelawn	45,218	39	Black Coulee	59,851			
40	Anvil, North	42,283	40	Miners Coulee	54,900			
41	Palomino	41,594	41	Kicking Horse	52,135			
42	High Five	40,379		Golden Dome	47,443			
	Poplar, East	40,334	43	Dunmore	46,937			
	Lane	39,978		Loring, West	46,339			
	Fairview	39,861		Dry Creek (Shallow Gas)	43,427			
46	Sioux Pass, North	39,599		Liscom Creek	42,962			
47	Lonetree Creek	36,501		Cherry Patch, Southeast	42,693			
48	Red Bank	35,671		Sherard	42,290			
49	Cupton	34,905		Little Rock	40,285			
	Fred & George Creek	33,267		Leroy	40,089			
		25,257		- <del>-</del> j	10,000			

## 2016 Field Summary, Reported Oil Fields

Field	Annual Oil Barrels	Cumulative Barrels	Field	Annual Oil Barrels	Cumulative Barrels
Ace High		3,686	Burget	3,707	149,868
Agawam		79	Burget, East	46	711,477
Alkali Coulee		53,229	Burns Creek		269,005
Andes		21,175	Burns Creek, South	1,297	86,740
Antelope	5,974	222,096	Butcher Creek		579
Antelope, North		2,484	Bynum		5,971
Anvil	14,633	5,725,735	Bynum, North		216
Anvil, North	42,283	634,353	Cabaret Coulee		462,275
Ash Creek		868,169	Cabin Creek	676,071	119,895,090
Ator Creek	879	51,587	Cadmus		1,173
Autumn		35,546	Canadian Coulee	500	13,471
Bainville	53,279	2,259,153	Canal	7,228	1,693,635
Bainville (Ratcliffe/Mission Canyon)	3,330	123,083	Cannon Ball		74,779
Bainville II	114,958	1,910,204	Carlyle		330,289
Bainville, North	149,923	9,953,352	Carlyle, West	6,009	39,664
Bainville, West	21,845	714,020	Cat Creek	30,766	24,459,667
Bannatyne	5,835	537,094	Cattails	17,705	1,521,751
Bascom		27,830	Cattails, South	3,543	414,971
Battle Creek, South, Oil	8,288	187,658	Charlie Creek	8,584	1,209,659
Beanblossom	3,820	748,587	Charlie Creek, East	16,229	1,358,770
Bear's Den	2,119	817,096	Charlie Creek, North		43,894
Belfry		101,245	Chelsea Creek		154,396
Bell Creek	1,357,553	139,529,458	Clark's Fork	488	104,429
Benrud		289,695	Clark's Fork, North		1,024,608
Benrud, East	3,827	3,051,083	Clark's Fork, South	595	100,805
Benrud, Northeast		1,019,598	Clear Lake	30,696	5,036,010
Berthelote	267	78,960	Clear Lake, South	11,314	520,765
Big Gully	2,573	186,702	Coalridge	2,373	54,385
Big Gully, North		32,155	Colored Canyon	4,248	1,326,422
Big Muddy Creek		1,488,089	Comertown	28,711	3,497,408
Big Rock		10,764	Comertown, South	3,861	610,789
Big Wall	21,787	8,807,774	Conrad, South	453	167,739
Big Wall, North		7,218	Corner Pocket		14,483
Black Diamond	2,522	715,757	Cottonwood	19,354	912,582
Blackfoot	3,641	1,862,767	Cottonwood, East		190,848
Blackfoot, East	170.010	810	Cow Creek	0.500	127,813
Bloomfield	179,042	2,014,316	Cow Creek, East	2,529	2,845,386
Bloomfield, South	183,648	1,460,887	Crane	29,613	4,137,948
Blue Hill	0.110	162,251	Crocker Springs, East		3,476
Blue Mountain	2,119	222,601	Crooked Creek		28,999
Border	2,225	1,523,446	Culbertson	24.005	175,652
Boulder	157.000	156,754	Cupton	34,905	3,307,316
Bowes	157,639	12,983,264	Curlew	040.040	5,468
Box Canyon	299	245,847	Cut Bank	242,818 4,607	173,740,474
Brady		280,486	Dagmar North	4,007	850,029
Brady Bredette	3,335	300,719	Dagmar, North		55,342
		232,121 488,554	Deadman's Coulee Dean Dome		264,528
Bredette, North	22 567	•	Deer Creek	66 022	92,597
Breed Creek	23,567 24,912	3,570,457 5,834,841		66,933 1,839	3,438,018
Brorson Brorson, South	10,046	5,834,841 2,651,283	Delphia Den	1,039	378,494 176,125
Brush Lake	65,536	2,001,203 5,740,851	Devil's Basin	180	176,125
Buffalo Flat	00,000	5,740,851	Devil's Basin  Devil's Pocket	100	53,796
Buffalo Lake		936	Diamond Point	2,409	1,330,668
Danialo Laite		900	Diamond Folia	2,409	1,000,000

Field	Annual Oil Barrels	Cumulative Barrels			Cumulative Barrels
Divide	64,848	4,706,805	Grandview	8,163	126,565
Dooley	4,892	458,086	Grandview, East	732	75,545
Dry Creek	22	4,173,027	Gray Blanket	7,448	552,432
Dry Creek, Middle	359	29,213	Grebe	2,585	96,070
Dry Creek, West		16,444	Green Coulee		128,759
Dugout Creek	21,276	873,880	Green Coulee, East	2,424	220,945
Dugout Creek, South		57,400	Gumbo Ridge		649,222
Dunkirk, North		19	Gunsight	7,491	1,094,022
Dutch Henry		104,164	Gypsy Basin	422	525,107
Dutch John Coulee	6,641	379,631	Hardscrabble Creek		170,566
Dwyer	28,340	10,927,610	Hawk Creek		13,277
Eagle	7,652	2,516,549	Hawk Haven		55,550
East Glacier	1,761	53,682	Hay Creek	1,594	1,837,062
Elk Basin	319,839	94,615,947	Hell Coulee		67,203
Elk Basin, Northwest	23,386	3,036,711	Hiawatha	5,615	1,816,402
Elm Coulee	8,429,742	167,759,371	Hibbard		226,494
Elm Coulee, Northeast	4,472,148	29,686,370	High Five	40,379	3,625,645
Enid, North	31,856	1,308,782	Highview	948	145,231
Epworth	1,359	130,486	Highview, East	513	5,728
Fairview	39,861	10,693,541	Hodges Creek	40	19,093
Fairview, East		532,463	Homestead		303
Fairview, West	3,825	629,792	Honker		117,078
Fertile Prairie		807,540	Horse Creek	328	13,987
Fiddler Creek		4,009	Howard Coulee	7,856	324,232
Fishhook	13,496	1,563,968	Injun Creek	5	144,966
Flat Coulee	13,308	5,954,808	Intake II	4,454	1,086,476
Flat Lake	123,734	23,460,740	Ivanhoe	26,838	5,131,579
Flat Lake, East	7,665	332,358	Jack Creek		1,310
Flat Lake, South		1,292,128	Jim Coulee	1,251	4,547,257
Flaxville		56,283	Johnson Lake		574
Fort Gilbert	11,496	2,790,307	Katy Lake	30,273	438,151
Four Buttes		42,391	Katy Lake, North	29,909	7,344,286
Four Mile Creek	1,326	544,890	Keg Coulee	6,526	5,893,083
Four Mile Creek, West	10,557	695,626	Keg Coulee, North	10	451,912
Fox Creek	3,461	318,254	Kelley	1,984	1,076,584
Fox Creek, North		75,398	Kevin, East Nisku Oil	9,420	1,023,986
Fox Lake	1,543	53,192	Kevin-Sunburst	231,743	85,401,310
Frannie		773,613	Kicking Horse		1,526
Fred & George Creek	33,267	14,067,204	Kincheloe Ranch	398	939,123
Frog Coulee		378,196	Kippen Area, East		150
Froid, South		459,379	Kippen, East		150
Gage	1,927	692,002	Krug Creek		15,288
Gage, Southwest		16,289	Laird Creek	1,572	646,647
Gas City	101,014	13,555,518	Lake Basin		473,639
Gettysburg		304	Lakeside		487
Girard	1,774	750,380	Lambert	22,317	1,004,397
Glendive	74,354	15,604,575	Lambert, North		36,552
Glendive, South		68,936	Lambert, South	18,387	916,143
Golden Dome	110	125,430	Lamesteer Creek		31,845
Goose Lake	30,051	10,905,619	Landslide Butte	8,264	959,999
Goose Lake Red River	1,405	91,165	Lane	39,978	2,038,887
Goose Lake, East		4,522	Lariat		3,599
Goose Lake, Southeast		45,527	Laurel		1,017
Goose Lake, West	4,875	790,258	Leary		705,809
Gossett	100	428,490	Line Coulee		57,789
Graben Coulee	14,276	2,754,218	Lisk Creek		1,963

Field	Annual Oil Barrels	Cumulative Barrels	Field	Annual Oil Barrels	Cumulative Barrels
Lisk Creek, South	4,029	60,421	Olje		163,500
Little Beaver	186,013	18,927,653	Ollie		279,880
Little Beaver, East	88,679	8,760,846	Otis Creek	2,045	970,757
Little Phantom		58,500	Otis Creek, South	5,697	441,762
Little Wall Creek	9,703	4,026,347	Otter Creek		28,492
Little Wall Creek, South	6,194	1,613,196	Outlet		6,384
Lobo		260,135	Outlook	24,890	9,728,967
Lodge Grass		399,934	Outlook, South		693,151
Lone Butte	6,714	1,030,003	Outlook, Southwest	4,938	168,099
Lone Rider		5,903	Outlook, West	20,446	1,363,354
Lone Tree	7,767	31,588	Oxbow	16,372	972,575
Loneman Coulee	157	3,417	Oxbow II	2,894	813,778
Lonetree Creek	36,501	6,051,225	Palomino	41,594	3,970,044
Lonetree Creek, West		33,029	Pasture		2,869
Long Creek	508	111,927	Pasture Creek		4,783
Long Creek, West	4,554	1,062,059	Pelican		191,494
Lookout Butte	532,982	39,586,349	Pennel	819,094	126,442,721
Lookout Butte, East	13,484	57,935	Pete Creek		23,343
Lookout Butte, East, Unit	705,331	31,316,420	Phantom		43,585
Lost Creek		1,534	Pine	633,729	132,260,678
Lowell	16,602	988,271	Pine, East		19,349
Lowell, South	3,738	297,691	Pipeline		16,424
Lustre	53,781	7,487,635	Plentywood		22,830
Lustre, North		190,767	Pole Creek		169,726
Mackay Dome	2,587	399,331	Police Coulee		14
Malcolm Creek	,	11,450	Pondera	134,878	30,304,145
Mason Lake		1,028,239	Pondera Coulee	3,890	179,981
Mason Lake North		17,923	Poplar, East	40,334	47,907,855
McCabe	3,528	347,858	Poplar, Northwest	45,711	5,394,045
McCabe, East	7,553	251,137	Poplar, Southeast	,	162,546
McCabe, South	,	6,599	Prairie Dell		1,767
McCabe, West		69,988	Prairie Elk		105,036
McCoy Creek	4,202	149,850	Prichard Creek	278	169,039
McDonald Creek	-,	3,102	Pronghorn		490,237
Meander	37	9,168	Putnam	28,077	6,770,873
Medicine Lake	10,609	4,426,136	Rabbit Hills	59,685	3,789,942
Medicine Lake, South	10,000	247,298	Rabbit Hills, East	812	1,902
Melstone	7,790	3,421,367	Rabbit Hills, SE	497	4,984
Melstone, North	8,745	889,652	Rabbit Hills, South	9,044	362,337
Midby	0,7 40	70,172	Ragged Point	678	3,816,180
Midfork	20,004	1,202,600	Ragged Point, Southwest	3,368	725,004
Mineral Bench	20,004	186,656	Rainbow	0,000	167,273
Miners Coulee	8,953	559,726	Rattler Butte	13,233	2,041,536
Missouri Breaks	0,955			10,200	
	01 545	437,188	Rattler Butte, South	2 100	15,403
Mon Dak, West	81,545	14,256,142	Rattlesnake Butte	3,188	776,700
Mona	100 665	169,804	Rattlesnake Coulee	4,280	115,354
Monarch Manager Dama	109,665	10,586,707	Raymond North	2,611	5,797,425
Mosser Dome		547,857	Raymond, North		150,342
Musselshell	40.400	45,054	Raymond, Northeast	47.007	120,687
Mustang	12,486	1,445,903	Reagan	47,697	10,996,262
Neiser Creek	247	750,760	Red Bank	35,671	3,311,305
Nielsen Coulee		274,761	Red Bank, South		387,759
Ninemile	_	80,513	Red Creek	24,221	7,440,784
Nohly	53,963	9,103,387	Red Fox		380,137
Nohly, South		145,933	Red Water		144,137
North Fork	2,657	698,332	Red Water, East	576	419,750

Field	Annual Oil Barrels	Cumulative Barrels	Field	Annual Oil Barrels	Cumulative Barrels
Redstone	2,663	512,047	Stampede, North		4,566
Refuge		312,284	Stensvad	12,219	10,600,045
Repeat	15,184	852,062	Studhorse	1,845	233,581
Reserve	6,739	2,323,168	Sumatra	60,340	47,478,594
Reserve II	625	231,644	Sumatra, East	2,970	40,897
Reserve, South		107,929	Sundown		40,626
Richey		2,030,660	Sunny Hill		273,589
Richey, East		10,386	Sunny Hill, West		194,871
Richey, Southwest	2,338	1,919,407	Target	2,883	1,911,894
Richey, West		11,062	Thirty Mile	87	17,968
Ridgelawn	45,218	9,451,386	Three Buttes	7,588	813,998
Ridgelawn, North	2,957	512,482	Tinder Box	3,727	160,651
Ringling		787	Tippy Buttes		126,246
Rip Rap Coulee	14,825	1,304,340	Tule Creek	3,567	8,567,479
River Bend		275,733	Tule Creek, East		2,056,293
Rocky Point	2,785	719,027	Tule Creek, South	2,895	1,106,209
Roscoe Dome		18,615	Two Medicine Creek		10,249
Rosebud	1,755	620,740	Two Waters	4,614	464,390
Rough Creek		3,599	Utopia	12,298	1,101,484
Royals	496	411,287	Vaux	23,186	6,325,586
Royals, South		3,082	Vida		264,988
Rudyard	595	37,429	Viking		160
Runaway	47	4,579	Volt	31,098	4,949,829
Rush Mountain	15,445	1,182,835	Wagon Box		32,412
Salt Lake	6,142	1,337,101	Wagon Trail		43,321
Salt Lake, West	8,615	413,010	Wakea	12,470	3,362,630
Sand Creek		2,413,819	Waterhole Creek	48,008	2,519,051
Saturn		42,805	Weed Creek	1,259	672,518
Scobey		3,916	Weldon		7,050,531
Second Creek		1,466,168	West Butte	345	346,451
Second Guess	798	42,369	West Fork		6,671
Sheepherder		76,942	Weygand	6,450	310,807
Short Creek		8,950	Whitlash	56,319	6,531,279
Shotgun Creek	25,610	1,386,223	Whitlash, West	1,373	164,097
Shotgun Creek, North		100,054	Wibaux		23,580
Sidney	7,245	3,776,908	Willow Creek, North	3,122	476,614
Sidney, East		650,201	Willow Ridge	631	79,058
Singletree		373,992	Willow Ridge, South	14	3,686
Sioux Pass	73,696	6,405,816	Wills Creek, South	32,113	2,370,268
Sioux Pass, East		89,267	Windmill		31,943
Sioux Pass, Middle	7,087	1,968,376	Windy Ridge	250,468	3,002,028
Sioux Pass, North	39,599	6,677,788	Winnett Junction	3,578	1,206,972
Sioux Pass, South	3,757	386,383	Wolf Creek		1,979
Sioux Pass, West	6,472	592,721	Wolf Springs	9,245	4,991,040
Smoke Creek		100,305	Wolf Springs, South	21	930,653
Snake Creek		146,846	Womans Pocket		3,526
Snoose Coulee	367	8,208	Woodrow	11,608	1,587,604
Snowden		1,938	Wrangler	2,997	911,202
Snyder		477,620	Wrangler, North	•	225,104
Soap Creek	30,961	3,563,481	Wright Creek	2,229	428,197
Soap Creek, East	5,331	300,894	Yates	13,415	105,485
South Fork	2,637	1,308,398	Yellowstone	, -	39,405
Spring Lake	4,757	1,978,450			,
Spring Lake, South	-,,	114,064			
Spring Lake, West	614	106,735			
Stampede	J. 1	435,035			
<b>p</b>		22,200			

## 2016 Field Summary, Reported Gas Fields

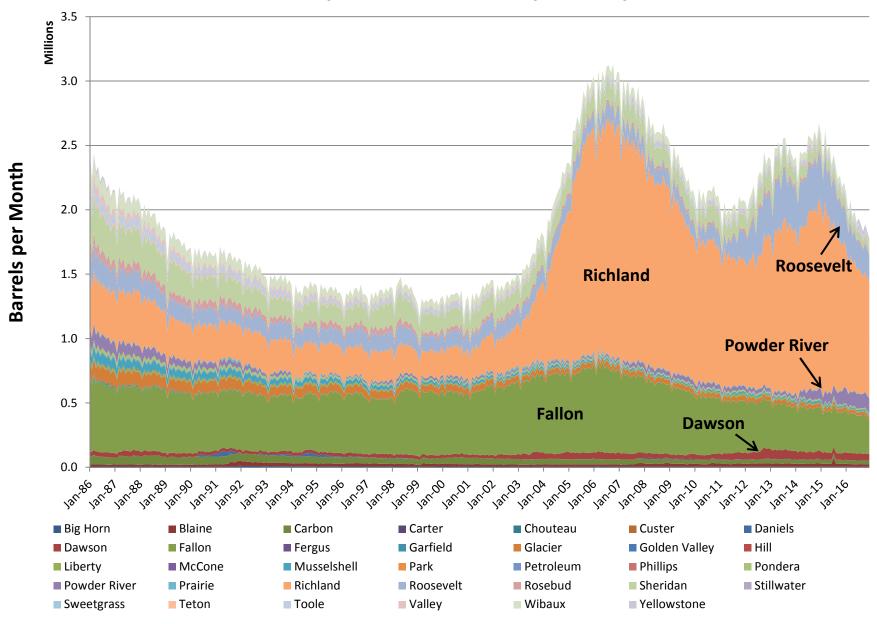
Field	Annual Gas MCF	Field	Annual Gas MCF	Field	Annual Gas MCF
Alma	1,823	Fred & George Creek	15,675	Sawtooth Mountain	707,768
Amanda	196,333	Fresno	104,379	Sears Coulee	9,658
Antelope Coulee	10	Galata	2,151	Shelby, East	11,938
Arch Apex	67,295	Gas Light	9,777	Sherard	42,290
Ashfield	752,530	Golden Dome	47,443	Sherard, Area	461,875
Badlands	107,784	Grandview	18,485	Sixshooter Dome	11,908
Battle Creek	765,302	Haystack Butte	18,542	Snoose Coulee	23,437
Battle Creek, South	2,455	Haystack Butte, West	23,383	Snow Coulee	406
Battle Creek, Southeast	346	Keith Area	4,544	Spring Coulee	322
Bear's Den	1,490	Keith, East	64,826	St. Joe Road	348,570
Big Coulee	182,758	Kevin Southwest	124,384	Strawberry Creek Area	22
Big Rock	112,892	Kevin Sunburst (Dakota)	1,513	Swanson Creek	126,195
Bills Coulee	380	Kevin Sunburst-Bow Island	19,108	Three Mile	5,665
Black Butte	13,587	Kevin, East Bow Island Gas	13,414	Tiber	640
Black Coulee	59,851	Kevin, East Gas	26,890	Tiber, East	7,189
Black Jack	25,909	Kevin, East Nisku Oil	30,238	Tiger Ridge	3,605,907
Blackfoot	19,693	Kevin-Sunburst	333,615	Timber Creek, West	28
Bowdoin	6,408,260	Kevin-Sunburst Nisku Gas	21,475	Toluca	114,204
Bowes	148,631	Kicking Horse	52,135	Trail Creek	32,552
Bradley	1,407	Laird Creek	7,471	Utopia	44,504
Brown's Coulee	10,792	Lake Basin	38,412	Vandalia	50
Brown's Coulee, East	38,374	Lake Francis	29,155	West Butte	12,847
Bullwacker	661,095	Ledger	65,108	West Butte Shallow Gas	3,074
Camp Creek	138	Leroy	40,089	West Butte Shallow das Whitewater	1,043,157
Canadian Coulee, North	4,699	Liscom Creek	42,962	Whitewater, East	126,797
Cedar Creek	6,682,289	Little Creek	19,591	Whitlash	397,421
Cherry Patch, Southeast	42,693	Little Rock	40,285	Whitlash, West	12,813
Cherry Patch, Southwest	32,123	Lohman	3,634	Williams	30,846
•	•	Lohman Area	797	Willow Ridge	
Chinook, East Chip Creek	17,929			ŭ	1,782
Clark's Fork	5,347	Loring	712,591 327,242	Willow Ridge, South	68,993 8,768
Coal Creek	22,570	Loring, East		Willow Ridge, West Winifred	309
Coal Mine Coulee	83,357	Loring, West	46,339	winiirea	309
	6,877	Marias River	13,442		
Cut Bank	1,011,018	Martin Lake	15,199		
Devon	24,046	Middle Butte	24,692		
Devon, East	21,574	Milk River	22,941		
Devon, South Unit	1,643	Miners Coulee	55,220		
Dry Creek	249,716	Mt. Lilly	17,308		
Dry Creek (Shallow Gas)	43,427	O'Briens Coulee	11,792		
Dry Creek, Middle	31,948	Old Shelby	236,751		
Dry Creek, West	60,562	Phantom	1,188		
Dry Fork	4,580	Phantom, West	10,011		
Dunkirk	27,617	Pine Gas	223,227		
Dunkirk, North	34,762	Plevna	14,007		
Dunmore	46,937	Plevna, South	8,415		
Dutch John Coulee	41,150	Police Coulee	27,224		
Eagle Spring	2,402	Potter	242		
Ethridge	36,340	Prairie Dell	308,797		
Ethridge, North	2,597	Prairie Dell, West	7,211		
Ethridge, West	1,787	Red Rock	392,594		
Fitzpatrick Lake	27,360	Rocky Boy Area	177,826		
Flat Coulee	4,254	Rudyard	1,483		
Four Mile Creek	281	Sage Creek	22,489		

### **2016 County Drilling And Production Statistics**

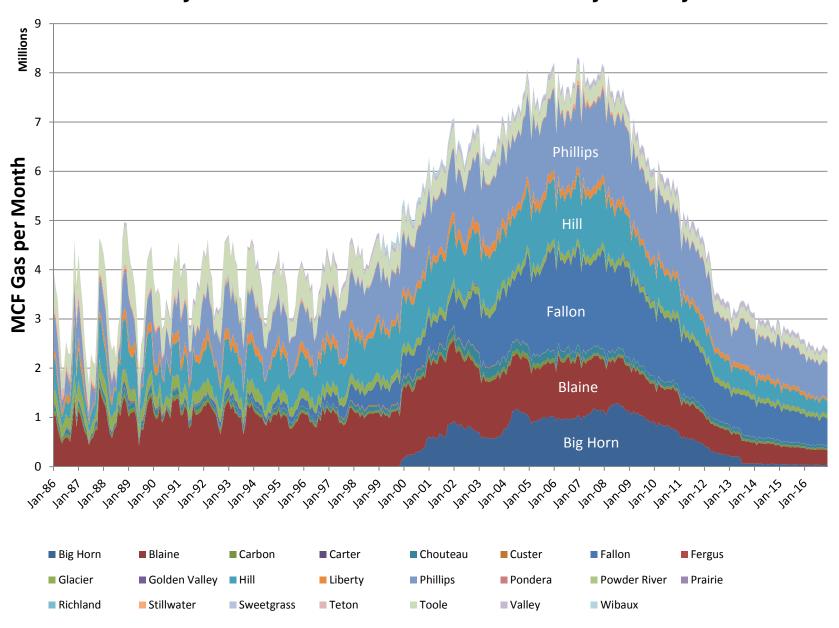
		Production		Well Completions						
County	Oil Barrels	Assoc. Gas MCF	Gas MCF	Oil	Gas	СВМ	Dry	Service		
Big Horn	43,740	0	413,955	0	0	0	0	0		
Blaine	242,595	0	3,792,753	2	0	0	0	0		
Carbon	344,799	549,715	457,445	0	0	0	0	0		
Carter	15,184	0	0	0	0	0	0	0		
Chouteau	0	0	694,851	0	0	0	0	0		
Custer	0	0	43,383	0	1	0	0	0		
Dawson	654,115	331,789	0	0	0	0	0	1		
Fallon	3,573,892	1,402,154	6,765,524	0	0	0	0	0		
Fergus	0	0	7,156	0	0	0	0	0		
Garfield	22,180	1,805	0	0	0	0	0	0		
Glacier	315,425	74,534	951,996	0	0	0	0	1		
Golden Valley	0	0	111,288	0	0	0	0	0		
Hill	1,095	0	3,363,009	0	0	0	0	0		
Liberty	87,613	48,916	680,200	0	0	0	1	0		
McCone	4,867	455	0	0	0	0	0	0		
Musselshell	125,291	4,631	0	0	0	0	0	0		
Petroleum	17,439	1,867	0	0	0	0	0	0		
Phillips	0	0	8,634,689	0	0	0	0	0		
Pondera	110,525	0	128,368	0	0	0	0	0		
Powder River	1,359,782	4,042	0	0	0	0	0	0		
Prairie	50,957	0	0	0	0	0	0	0		
Richland	11,674,830	16,988,667	0	0	0	0	0	0		
Roosevelt	2,667,909	2,857,142	0	0	0	0	0	0		
Rosebud	181,690	13,804	0	0	0	0	0	0		
Sheridan	734,868	381,483	0	0	0	0	0	0		
Stillwater	2,587	0	109,882	0	0	0	0	0		
Sweetgrass	0	0	11,908	0	0	0	0	0		
Teton	53,205	0	380	0	0	0	1	0		
Toole	324,105	82,215	2,104,127	1	1	0	0	0		
Valley	73,785	8,945	946,612	0	0	0	0	0		
Wibaux	494,075	163,961	172,191	0	0	0	0	0		
Yellowstone	10,525	520	0	0	0	0	0	0		
Total:	23,187,078	22,916,645	29,389,717	3	2	0	2	2		

The volume of oil shown in this report includes condensate or reported natural gas liquids. Associated gas is gas from a well that produces less than 10,000 standard cubic feet of gas for each barrel of oil.

## **Monthly Oil Production by County**



## **Monthly Non-Associated Gas Production by County**



### 2016 Well Completion Summary By County

										IALIOIL	
							COMPLI	ETION	OIL	GAS	WATER
OPERATOR *	LOCATION	WELL NAME	API	TYPE **	FIELD	INTERVAL	DATE	DEPTH	B/D	MCF/D	B/D
005 Blaine  Montana Land & Exploration, Inc.	NESE 30-32N-20E	ML&E Bowes Dome 9-30-32N-	2 23822	OIL	Bowes	Bowes Member	12/22/16	3522	50	0	0
Montana Land & Exploration, Inc.	NWNE 5-34N-21E	ML&E Cherry Patch 2-5-34N-2	1 23824	OIL	Wildcat Blaine	Bowes Member	12/31/16	4450	70	0	0
017 Custer Highlands Montana Corporation	SENW 16-5N-52E	Helios 5-52 16-22	21177	GAS	Wildcat Custer	Muddy	10/20/16	5 5300	0	0	2448
021 Dawson Interstate Explorations, LLC	NWSW 11-18N-56E	MBA 2	21202	SWD	Wildcat Dawson		11/16/16	6 11840	0	0	0
035 Glacier Synergy Offshore LLC	SE 3-34N-6W	NECBSU X703B	22243	EOR	Cut Bank	Cut Bank	02/17/16	3025	0	0	0
051 Liberty Phoenix Exploration Group, Inc.	NESW 30-35N-5E	Wickum 23-30	21840	DH	Wildcat Liberty		08/19/16	3 2317	0	0	0
099 Teton Thomasson Petroleum E&P LLC	SWNE 11-26N-5W	Rice Ridge 25-11-26-5	21327	DH	Wildcat Teton		06/20/16	3 2207	0	0	0
101 Toole Somont Oil Company, Inc. Synergy Offshore LLC	NWNW 28-35N-1W NWSE 7-35N-4W	Helgerson 3 Koepke Farms 1	5910 24271	OIL GAS	Kevin-Sunburst Wildcat Toole	Swift Duperow	07/21/16 02/21/16		8	0	0 25

<sup>\* &</sup>quot;Operator" is the well operator at the time the well was completed and not necessarily the current operator or operator that permitted the well.

Data Current Through: 8/24/2017

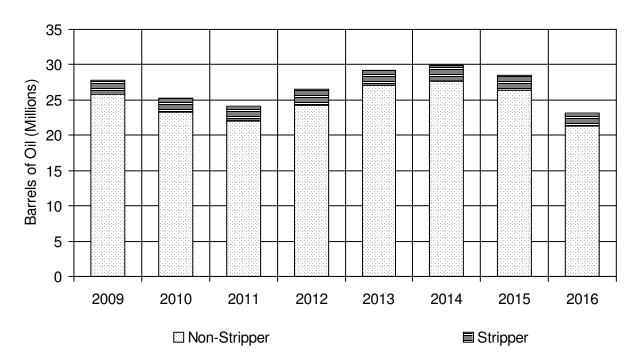
INITIAL POTENTIAL

<sup>\*\*\*</sup> OIL - Oil Well; GAS - Gas Well; DH - Dry Hole; GST - Gas Storage; CBM - Coalbed Methane; EOR - Injection, Enhanced Recovery; SWD - Salt Water Disposal

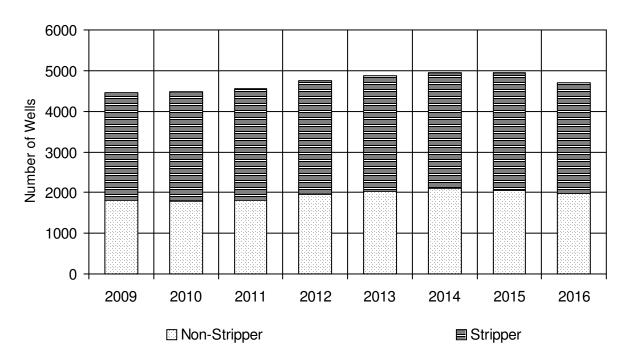
#### 2016 Stripper Oil Well Statistics

A Stripper Oil Well Produces Less Than 10 Barrels Of Oil Per Day

#### **Oil Production**

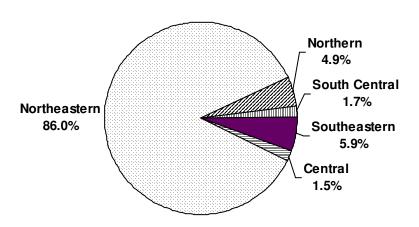


#### **Number Of Producing Wells**

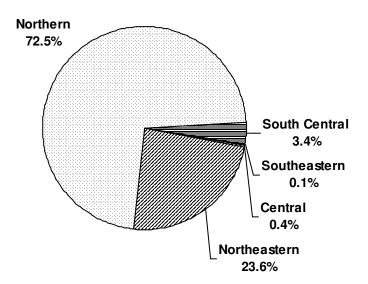


#### 2016 Production By Area

#### **Oil Production**



#### **Gas Production**



## 2016 Field Rules and Production Summary By Formation

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Ace High					Cumulative Oil Production (Bbls): 3,686 Statewide.
Agawam					Cumulative Oil Production (Bbls): 79 Statewide.
Alkali Coulee					Cumulative Oil Production (Bbls): 53,229 Post-1986 Gas Production (MCF): 31,682 320-acre Red River Fm. spacing units with 660' setback from spacing unit boundaries and 1650' between wells (Order 77-81).
Alma					Post-1986 Gas Production (MCF): 189,703
Spike Zone, Blackleaf Fm.		1	0	1,823	640-acre spacing units for gas production from the Sawtooth, Bow Island, and shallower formations; location to be
•	2016	Production:	0	1,823	no closer than 990' to spacing unit boundary (Order 19-77).
Alma, North					Post-1986 Gas Production (MCF): 29,077 Single 640-acre spacing unit for Blackleaf gas production (Order 95-82).
Amanda					Post-1986 Gas Production (MCF): 7,120,362
Bow Island		10	0	12,566	320-acre spacing units for gas with one well per horizon, base of the Swift to the surface; wells to be no closer that
Sunburst		4	0	32,811	660' to spacing unit boundary; spacing units to consist of two contiguous quarter sections lying within one or two
Swift		6	0	53,364	sections (Order 76-79). Field enlargement (Orders 25-83, 1-85, 25-88, 42-88, 2-89 and 29-91). Add Sec. 23-36N-4W for gas production below Bow Island and through the Swift (Order 63-91). Enlarged to include 36N-4W-22 for
Bow Island, Dakota		1	0	3,578	all formations below Bow Island including Swift (Order 123-01). Well Density and spacing amendments (Orders 88
Dakota, Burwash, Swift		1	0	24,130	03, 175-04, 136-09, 84-10).
Swift, Sunburst		8	0	68,560	
Burwash, Swift		1	0	1,324	
	2016	Production:	0	196,333	
Andes					Cumulative Oil Production (Bbls): 21,175 Statewide.
Antelope					Cumulative Oil Production (Bbls): 222,096 Post-1986 Gas Production (MCF): 85,253
Red River		2	5,974	0	Statewide.
	2016	Production:	5,974	0	
Antelope Coulee					Post-1986 Gas Production (MCF): 44,949
Bow Island		1	0	10	Statewide.
	2016	Production:	0	10	
Antelope, North					Cumulative Oil Production (Bbls): 2,484 Statewide.
Anvil					Cumulative Oil Production (Bbls): 5,725,735 Post-1986 Gas Production (MCF): 2,812,956
Ratcliffe		1	1,625	468	320-acre spacing units for Red River B and C with one well per zone located no closer than 660' to spacing unit
Nisku		1	13,008	5,709	boundary; commingling approved (Order 75-85).
	2016	Production:	14,633	6,177	
Anvil, North					Cumulative Oil Production (Bbls): 634,353 Post-1986 Gas Production (MCF): 371,774
Mission Canyon		5	42,283	27,055	160-acre spacing units for production of oil from the Madison Group (Order 147-06). Exception location (Order 445
-	2016	Production:	42,283	27,055	06). Additional wells (Orders 208 & 209-10).

Post-1986 Case Production (MCF): \$726,889	Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Sunburse	Arch Apex					Post-1986 Gas Production (MCF): 5,726,689
Post	Bow Island		30	0	63,452	
Post-light Contents	Sunburst		1	0	365	
Ash Creek	Bow Island, Kootenai, Swift		1	0	3,478	unit (Order 3-78).
Spacing walved (Sharmon Formation) within unititized portion of field with wells to be no closer than 660° to unit boundary (Order 4-65). Waterflood initiated October 1984 (Orders 2-2-61, 15-68).    Ashfeld		2016	Production:	0	67,295	
Sample   S	Ash Creek					Cumulative Oil Production (Bbls): 868,169
Bowdoin   13						
Niborara   15,00	Ashfield					Post-1986 Gas Production (MCF): 35,034,847
Name	Bowdoin		13	0	57,419	
Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic following. Allow 990' with 150' topographic following. Page 100' with 1	Niobrara		2	0	15,064	
December   Phillips   Niobrara   1	Phillips		122	0	437,729	
Niobrara, Greenhorn, Phillips   1 0 2,127   2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Bowdoin, Greenhorn, Phillips, N	Niobrara	1	0	8,636	
Single spacing unit comprised of Wile Norman   Statewide   State	Niobrara, Greenhorn, Phillips		1	0	2,127	
Bowdoin, Phillips, Niobrara   11   0   25,367	Bowdoin, Greenhorn, Phillips		1	0	100	
Phillips, Niobrara   11   0   25,367   80wdoin, Phillips, Niobrara   2016   Production:   3   752,530   752,530   80wdoin, Phillips, Niobrara   2016   Production:   3   752,530   80wdoin, Phillips, Niobrara   2016   Production:   879   484   80wdoin, Production (Buls):   1   879   484   80wdoin, Production (Order 73-96).   879   484   80wdoin   879   80wdoin   879   80wdoin   879   80wdoin   879   80wdoin   879   80wdoin	Greenhorn-Phillips		5	0	5,159	
Bowdoin, Phillips, Niobrara   4 0 14,181   2016   Production: 0 752,530   Cumulative Oil Production (Bbls): 51,587   Post-1986 Gas Production (MCF): 12,261   Production: 879 484   Production: 879 485   Production: 879	Bowdoin, Phillips		40	0	186,748	
Ator Creek	Phillips, Niobrara		11	0	25,367	
Ator Creek         Red River         1         879         484 Single spacing unit comprised of W/2 NE/4 and E/2 NW/4 35N-55E-36 for production of oil from Red River Formation (Order 73-96).           Autumn         Cumulative Oil Production (Bbls): Statewide.         35,546 Statewide.           Badlands         Cumulative Oil Production (Bbls): Statewide.         Post-1986 Gas Production (MCF): 6,925,058 Statewide.           Eagle         13         0         97,930 P,930 One Eagle Formation well per governmental section spacing unit located no closer than 990' to a section line (Order 22-78).           Virgelle Sandstone         1         0         9,854 Order 22-78).           Bainville         Cumulative Oil Production (Bbls): 2,259,153 Post-1986 Gas Production (MCF): 1,067,365         1,067,365 Order 22-78).           Mission Canyon         1         5,916 One Specing unit for Winnipegosis Promation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Promation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis SeE-28: W2 (Order 53-98). 320-acre spacing unit for Winnipegosis Promation, 28N-58E-28: E/2 (Order 117-84). Spacing unit for Winnipegosis SeE-28: W2 (Order 53-98). 320-acre Madison spacing unit, 28N-58E-28: E/2 (Order 89-00).           Bainville (Ratcliffe/Mission Caryor)         1         3,330         5,681         Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production form the Mission	Bowdoin, Phillips, Niobrara		4	0	14,181	
Red River         1         879         484 bitwer         Single spacing unit comprised of W/2 NE/4 and E/2 NW/4 35N-55E-36 for production of oil from Red River Formation (Order 73-96).           Autumn         Cumulative Oil Production (Bbls): Statewide.         35,546 Statewide.           Badlands         Fost-1986 Gas Production (MCF): 6,925,058 Statewide.           Eagle         13         0         97,930 One Eagle Formation well per governmental section spacing unit located no closer than 990' to a section line (Order 22-78).           Virgelle Sandstone         1         0         9,854 Order 22-78).         Cumulative Oil Production (Bbls): 2,259,153 Post-1986 Gas Production (MCF): 1,067,365         1,067,365           Bainville         Cumulative Oil Production (Bbls): 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Promation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Promation (Bbls): 28N-58E-28: E/2 (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-20: E/2SE, 21: W/2SW, 28: W/2WW, 29: E/2NE (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-28: E/2 (Order 89-00).           Bainville (Ratcliffe/Mission Carryor)         Production: 53,279         22,213         Cumulative Oil Production (Bbls): 123,083         Post-1986 Gas Production (MCF): 1,067,365         65,328           Bainville (Ratcliffe/Mission Carryor)         1         3,330         5,681         Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from th		2016	Production:	0	752,530	
Ratcliffe   Production   Ratcliffe   Mission Canyon Ratcliffe   Production   Ratcliffe   Production   Ratcliffe   Production   Ratcliffe   Production   Ratcliffe   Ratcliff	Ator Creek					Cumulative Oil Production (Bbls): 51,587 Post-1986 Gas Production (MCF): 12,261
Autumn         Cumulative Oil Production (Bbls): 35,546           Badlands         Post-1986 Gas Production (MCF): 6,925,058           Eagle         13         0         97,930         One Eagle Formation well per governmental section spacing unit located no closer than 990' to a section line (Order 22-78).           Virgelle Sandstone         1         0         9,854         (Order 22-78).           Bainville         Cumulative Oil Production (Bbls): 2,259,153         Post-1986 Gas Production (MCF): 1,067,365           Mission Canyon         1         5,916         0         320-acre spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Red River spacing unit, 28N-58E-20: E/2SE, 21: W/2SW, 28: W/2NW, 29: E/2NE (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-28: E2 (Order 89-00).           Ratcliffe         6         37,056         14,343         58E-28: W2 (Order 53-98). 320-acre Walson spacing unit, 28N-58E-28: E2 (Order 89-00).           Bainville (Ratcliffe/Mission Caryon)         2         10,307         7,870         Cumulative Oil Production (Bbls): 123,083         Post-1986 Gas Production (MCF): 65,328           Bainville (Ratcliffe/Mission Caryon)         1         3,330         5,681         Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from the Mission	Red River		1	879	484	Single spacing unit comprised of W/2 NE/4 and E/2 NW/4 35N-55E-36 for production of oil from Red River
Statewide   Stat		2016	Production:	879	484	Formation (Order 73-96).
Eagle Virgelle Sandstone         13         0         97,930 9,854         One Eagle Formation well per governmental section spacing unit located no closer than 990' to a section line (Order 22-78).           Bainville         Cumulative Oil Production (Bbls): 2,259,153 Post-1986 Gas Production (MCF): 1,067,365           Mission Canyon Ratcliffe         1         5,916 0 320-acre spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Post-1986 Gas Production (MCF): 1,067,365           Ratcliffe River         2         10,307 7,870         7,870         228N-58E-20: E/2SE, 21: W/2SW, 28: W/2NW, 29: E/2NE (Order 189-00).         28N-58E-28: W2 (Order 53-98). 320-acre Madison spacing unit, 28N-58E-28: E2 (Order 89-00).           Bainville (Ratcliffe/Mission Canyon)         Cumulative Oil Production (Bbls): 123,083 Post-1986 Gas Production (MCF): 65,328           Ratcliffe         1         3,330         5,681         Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from the Mission	Autumn					
Virgelle Sandstone         1         0         9,854         (Order 22-78).           Bainville         Cumulative Oil Production (Bbls): 2,259,153 Post-1986 Gas Production (MCF): 1,067,365           Mission Canyon Ratcliffe         1         5,916         0         320-acre spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Post-1986 Gas Production (MCF): 1,067,365           Red River         2         10,307         7,870         28N-58E-20: E/2SE, 21: W/2SW, 28: W/2NW, 29: E/2NE (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-28: E2 (Order 89-00).           Bainville (Ratcliffe/Mission Canyon)         Cumulative Oil Production (Bbls): 123,083 Post-1986 Gas Production (MCF): 65,328           Ratcliffe         1         3,330         5,681         Single space place (World S102)         123,083 Post-1986 Gas Production (MCF): 65,328         65,328	Badlands					Post-1986 Gas Production (MCF): 6.925,058
Virgelle Sandstone         1         0         9,854         (Order 22-78).           Bainville         Cumulative Oil Production (Bbls): 2,259,153 Post-1986 Gas Production (MCF): 1,067,365           Mission Canyon Ratcliffe         1         5,916         0         320-acre spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Post-1986 Gas Production (MCF): 1,067,365           Red River         2         10,307         7,870         28N-58E-20: E/2SE, 21: W/2SW, 28: W/2NW, 29: E/2NE (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-28: E2 (Order 89-00).           Bainville (Ratcliffe/Mission Canyon)         Cumulative Oil Production (Bbls): 123,083 Post-1986 Gas Production (MCF): 65,328           Ratcliffe         1         3,330         5,681         Single space place (World S102)         123,083 Post-1986 Gas Production (MCF): 65,328         65,328	Eagle		13	0	97,930	One Eagle Formation well per governmental section spacing unit located no closer than 990' to a section line
Bainville         Cumulative Oil Production (Bbls):         2,259,153         Post-1986 Gas Production (MCF):         1,067,365           Mission Canyon Ratcliffe Ratcliffe River         6         37,056         14,343         320-acre spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-20: E/2SE, 21: W/2SW, 28: W/2NW, 29: E/2NE (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-28: W2 (Order 53-98). 320-acre Madison spacing unit, 28N-58E-28: E2 (Order 89-00).           Bainville (Ratcliffe/Mission Canyon)         Cumulative Oil Production (Bbls):         123,083         Post-1986 Gas Production (MCF):         65,328           Ratcliffe         1         3,330         5,681         Single spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 18-84). Spacing unit for Win	Virgelle Sandstone		1	0	9,854	(Order 22-78).
Mission Canyon         1         5,916         0         320-acre spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Power States of Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Power States of Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Power States of Winnipegosis Power States of Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Power States of Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipegosis Formation, 28N-58E-26: E/2 (Order 117-84). Spacing unit for Winnipe	•	2016	Production:	0	107,784	
Ratcliffe Red River         6         37,056         14,343         28N-58E-20:E/2SE, 21: W/2SW, 28: W/2NW, 29: E/2NE (Order 18-88, Order 53-98). Red River spacing unit, 28N-58E-28: W2 (Order 53-98). 320-acre Madison spacing unit, 28N-58E-28: E2 (Order 89-00).           Bainville (Ratcliffe/Mission Canyon)         Cumulative Oil Production (Bbls): 123,083 Post-1986 Gas Production (MCF): 65,328           Ratcliffe         1         3,330         5,681         Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from the Mission	Bainville					Cumulative Oil Production (Bbls): 2,259,153 Post-1986 Gas Production (MCF): 1,067,365
Red River         2         10,307         7,870         58E-28: W2 (Order 53-98).         320-acre Madison spacing unit, 28N-58E-28: E2 (Order 89-00).           Bainville (Ratcliffe/Mission Canyon)         Cumulative Oil Production (Bbls): 123,083 Post-1986 Gas Production (MCF): 65,328           Ratcliffe         1         3,330         5,681         Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from the Mission	Mission Canyon		1	5,916	0	
Red River   2   10,307   7,870	Ratcliffe		6	37,056	14,343	
Bainville (Ratcliffe/Mission Canyon)  Ratcliffe  1 3,330 5,681 Cumulative Oil Production (Bbls): 123,083 Post-1986 Gas Production (MCF): 65,328  Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from the Mission	Red River		2	10,307	7,870	วช⊑-2ช: w∠ (Order 53-98). 320-acre Madison spacing unit, 28N-58E-28: E2 (Order 89-00).
Ratcliffe 1 3,330 5,681 Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from the Mission		2016	Production:	53,279	22,213	
——————————————————————————————————————	Bainville (Ratcliffe/Mission Can	nyon)				Cumulative Oil Production (Bbls): 123,083 Post-1986 Gas Production (MCF): 65,328
2016 Production: 3,330 5,681 Canyon/Ratcliffe (Order 5-94).	Ratcliffe		1	3,330	5,681	
		2016	Production:	3,330	5,681	Canyon/Ratcliffe (Order 5-94).

Sample	Field, Reported Formation	# of Wells Oil, Bbls Gas, MCF Cumulative Production And Regulation Summary	
Bakker	Bainville II	Cumulative Oil Production (Bbls): 1,910,204 Post-1986 Gas Production (MCF):	1,184,458
Nisku	Ratcliffe	1 1,229 1,108 320-acre Red River spacing units; no well closer than 660' to the unit boundaries (Order 36-82).	Field reduction
Medical Production   1	Bakken		
Pack	Nisku		/N-58E-1 (Order
Mission Carryon   1   3.559   5.126   32.526	Red River		
Mission Canyon   1		2016 Production: 114,958 112,771	
Rabilifie	Bainville, North	Cumulative Oil Production (Bbls): 9,953,352 Post-1986 Gas Production (MCF):	7,662,938
Nisku	Mission Canyon		
Nisking   1,199	Ratcliffe		
Manipagesis   3   31,722   17,896   Near Near Near Near Near Near Near Near	Nisku	the Same formation (Order 84-79). Topographic tolerance of 150° (Order 39-80). Spacing units 9,729 11,919 the Nisku Formation (Order 81-92, 57-96). Spacing unit for production from the Madison (Order 81-92, 57-96).	tor production from
Ratcliffe, Mission Caryon   1   2,687   0   149,023   132,347   132,047   134,048   135,048   136,048	Winnipegosis		
Sample   Production   Product	Red River	7 72,739 74,230	,
Seminable   Semi	Ratcliffe, Mission Canyon	1 2,687 0	
Miscion Canyon   Ratciffe		2016 Production: 149,923 132,347	
Ratcliffe	Bainville, West	Cumulative Oil Production (Bbls): 714,020 Post-1986 Gas Production (MCF):	357,278
Nisku   1	Mission Canyon		
Nisku   Pack	Ratcliffe		
Pack   Production   Producti	Nisku		
Samostyne   16	Red River		2014-37 L-34 (Oldel
Swift Madison  Formations; wells to be located at center of 10-acre tracts, 50' topographic tolerance; commingling permitted (Order 20-58). Pilot waterflood of Swift Formation suspended in 1963.   Cumulative Oil Production (Bbls): 27,830  Field rules vacated.   Cumulative Oil Production (Bbls): 110 Post-1986 Gas Production (MCF): 63,782,093  Madison  Madison  Madison  Madison  Madison  Formations; wells to be located at center of 10-acre tracts, 50' topographic tolerance; commingling permitted (Order 20-58). Pilot waterflood of Swift Formation suspended in 1963.  Cumulative Oil Production (Bbls): 27,830  Field rules vacated.  Cumulative Oil Production (Bbls): 110 Post-1986 Gas Production (MCF): 63,782,093  Madison  Madison		2016 Production: 21,845 19,851	
Madison    Total   Tot	Bannatyne	Cumulative Oil Production (Bbls): 537,094	
Bascom  Bascom  Battle Creek  Eagle 131 0 699,681 Originally delineated for production of gas from all formations from surface to top of Virgelle with one well per producing horizon per section located no closer than 990' to section line but allowing additional wells in each producing horizon per section located no closer than 990' to section line but allowing additional wells in each producing horizon per section located no closer than 990' to section line but allowing additional wells in each producing horizon per section located no closer than 990' to section line but allowing additional wells in each colorado intervals in a portion of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders). Field enlargement (Order 103-02).  Battle Creek, South Eagle 1 0 2,455 2016 Production: 0 765,302  Battle Creek, South, Oil Sawtooth 2 8,288 0 0 Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).	Swift	16 4,316 0 Delineated for production from the Swift and Madison Formations; wells to be located at center of	of 10-acre tracts,
Battle Creek  Eagle 131 0 699,681 Originally delineated for production (Bbls): 27,830  Field rules vacated.  Cumulative Oil Production (Bbls): 27,830  Field rules vacated.  Cumulative Oil Production (Bbls): 110 Post-1986 Gas Production (MCF): 63,782,093  Eagle 131 0 699,681 Originally delineated for production of gas from all formations from surface to top of Virgelle with one well per producing horizon per section located no closer than 990' to section line but allowing additional wells in each section no closer than 1,320' to wells producing from same horizon (Order 40-86). Include Lower Eagle and Upper Colorado intervals in a portion of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders). Field enlargement (Order 103-02).  Battle Creek, South Eagle 1 0 2,455 Eagle 7 1 0 2,455 Eagle 7 2 7 830  Cumulative Oil Production (Bbls): 110 Post-1986 Gas Production (MCF): 63,782,093  For producing horizon per section located no closer than 990' to section line but allowing additional wells in each section no closer than 1,320' to wells producing from same horizon (Order 40-86). Include Lower Eagle and Upper Colorado intervals in a portion of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders). Field enlargement (Order 103-02).  Battle Creek, South, Oil  Sawtooth 2 8,288 0 0 Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).	Madison		ation suspended in
Field rules vacated.   Field specified values of the real rules vacated.   Field entargorous from surface to top of Virgelle with one well per producting horizon per section located no closer than 990' to section line but allowing additional wells in each section no closer than 1,320' to wells producing from same horizon (Order 40-86). Include Lower Eagle and Upper Colorado intervals in a portion of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).   Field enlargement (Order 103-02).   Field enlargement (Order 103-02).   Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).   Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).   Field enlargement (Order 103-02).   Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).   Field enlargement (Order 103-02).   Field enlargement (Order 103		2016 Production: 5,835 0 1963.	
Eagle 131 0 699,681 Originally delineated for production (Bbls): 110 Post-1986 Gas Production (MCF): 63,782,093  Eagle 131 0 699,681 Originally delineated for production of gas from all formations from surface to top of Virgelle with one well per producing horizon per section located no closer than 990' to section line but allowing additional wells in each section no closer than 1,320' to wells producing from same horizon (Order 40-86). Include Lower Eagle and Upper Colorado intervals in a portion of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders). Field enlargement (Order 103-02).  Battle Creek, South  Eagle 1 0 2,455 Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Cumulative Oil Production (Bbls): 187,658  Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).	Bascom	, ,	
Eagle 131 0 699,681 Originally delineated for production of gas from all formations from surface to top of Virgelle with one well per producing horizon per section located no closer than 990' to section line but allowing additional wells in each section no closer than 1,320' to wells producing from same horizon (Order 40-86). Include Lower Eagle and Upper Colorado intervals in a portion of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders). Field enlargement (Order 103-02).  Battle Creek, South  Eagle 1 0 2,455 Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Cumulative Oil Production (Bbls): 187,658  Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).			
Judith River Niobrara Niobrara Sagle, Claggett Eagle, Niobrara  Battle Creek, South Eagle Sawtooth Sawtooth Sawtooth Sawtooth Sawtooth Sagle Sawtooth Signature Sagle Sag		( ) ,	, - ,
Niobrara 4 0 20,373 section no closer than 1,320' to wells producing from same horizon (Order 40-86). Include Lower Eagle and Upper Colorado intervals in a portion of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders). Field enlargement (Order 103-02).  Battle Creek, South  Eagle  1 0 2,455 2016 Production: 0 2,455 2016 Production: 0 2,455 2016 Production: 0 2,455 2016 Production: 0 5,455 2016 Production: 0 5,4	· ·	much wise having a seation leasted as also when 0000 to a setion line but allowing additional	
Niobrara Eagle, Claggett Eagle, Niobrara  Battle Creek, South Eagle  Description of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders). Field enlargement (Order 103-02).  Post-1986 Gas Production (MCF): 81,532  Battle Creek, South Eagle  Description of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Post-1986 Gas Production (MCF): 81,532  Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Cumulative Oil Production (Bbls): 187,658  Sawtooth  Description of the field (Order 76-92). Battle Creek, South: Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Cumulative Oil Production (Bbls): 187,658  Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).		section no closer than 1 320' to wells producing from same horizon (Order 40-86). Include Low	
Eagle, Niobrara         3         0         31,086           2016         Production:         0         765,302    Battle Creek, South  Eagle  1 0 2,455 2016 Production: 0 2,455 0 2,455 Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Cumulative Oil Production (Bbls): 187,658 Sawtooth Sawtooth Sawtooth Order 136-2004).		Colorado intervais in a portion of the field (Order 76-92). Battle Greek, South, Four gas wells pe	r horizon, 990'
Battle Creek, South Eagle  2016 Production: 0 765,302  Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Cumulative Oil Production (Bbls): 187,658  Sawtooth  2016 Production: 0 2,455  Sattle Creek, South, Oil Sawtooth  2016 Production: 0 2,455  Sattle Creek, South, Oil Sawtooth  2016 Production: 0 2,455  Sattle Creek, South, Oil		ottoder nom opasing and observations (various orders). Their order goment (order 100 oz.).	
Battle Creek, South Eagle  1 0 2,455 Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Battle Creek, South, Oil Sawtooth  2 8,288  O Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).	Eagle, Niobrara		
Eagle 1 0 2,455 Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).  Battle Creek, South, Oil Sawtooth 2 8,288 0 Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).		2016 Production: 0 765,302	
2016 Production: 0 2,455  Battle Creek, South, Oil Sawtooth 2 8,288 0 Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).	Battle Creek, South	Post-1986 Gas Production (MCF):	81,532
Battle Creek, South, Oil Sawtooth Sawtooth Cumulative Oil Production (Bbls): 187,658  Cumulative Oil Production (Bbls): 187,658  Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).	Eagle	1 0 2,455 Four gas wells per horizon, 990' setback from spacing unit boundaries (various orders).	
Sawtooth 2 8,288 0 Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (Order 136-2004).		2016 Production: 0 2,455	
	Battle Creek, South, Oil	Cumulative Oil Production (Bbls): 187,658	
2016 Production: 8,288 0	Sawtooth	2 8,288 0 Statewide plus one designated spacing unit for production of oil from the Sawtooth Formation (C	Order 136-2004).
		2016 Production: 8,288 0	

Salawide   Salawide	Field, Reported Formation	# of Well	s Oil, Bbls	Gas, MCF	<b>Cumulative Production And Regulation Summary</b>
Beanblosom   Production   Production   Sas   S	Battle Creek, Southeast				Post-1986 Gas Production (MCF): 1,904
Path	Eagle		0	346	
The separing principle		2016 Production	on: 0	346	
Bear's Den	Beanblossom				Cumulative Oil Production (Bbls): 748,587 Post-1986 Gas Production (MCF): 65,459
Sear Space   1	Lower Tyler		3,820	1,805	Three spacing units consisting of individual lots with one well per lot (Order 23-86).
Switter   1		2016 Production	n: 3,820	1,805	
Switter   1	Bear's Den				Cumulative Oil Production (Bbls): 817.096 Post-1986 Gas Production (MCF): 258.079
Swift   Belf   Production   P			0	414	
Relfry   R					
Salawide   Salawide		2016 Production	-	1,490	
Muddy	Belfry				
Muddy	Bell Creek				Cumulative Oil Production (Bbls): 139.529.458 Post-1986 Gas Production (MCF): 70.240
Bell Creek, Southeast	Muddy	9	1,357,553	0	
Creek (Muddy) Unit approved 6-28-90 (Order 24-90).   Post-1986 Gas Production (MCF):   3,262,948   160-acre spacing units for Muddy gas production, wells 660° from spacing unit boundary (Order 31-72).	•	2016 Production	n: 1,357,553	0	
160-acre spacing units for Muddy gas production, wells 660' from spacing unit boundary (Order 31-72).   160-acre spacing for Devonian with wells no closer than 990' from spacing unit boundaries (Order 1-62) and 44-62. Field rules amended to allow drilling not closer than 990' from spacing unit boundaries (Order 1-62 and 44-62). Field rules amended to allow drilling not closer than 990' from spacing unit boundaries (Order 1-65). Field rules amended to allow drilling not closer than 990' from spacing unit boundaries (Order 1-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules than 660' to the spacing unit boundaries (Order 6-65). Field rules than 660' to the spacing unit boundaries (Order 6-65). Field rules than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 26-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 26-65). Field rules amended to allow drilling not closer than 660' to the spacing unit for production (MCF):    17,551					
160-acre spacing units for Muddy gas production, wells 660' from spacing unit boundary (Order 31-72).   160-acre spacing for Devorian with wells no closer than 990' from spacing unit boundaries (Order 1-62 and 44-62). Field rules amended to allow drilling not closer than 990' from spacing unit boundaries (Order 1-62 and 44-62). Field rules amended to allow drilling not closer than 990' from spacing unit boundaries (Order 1-65). Field rules amended to allow drilling not closer than 990' from spacing unit boundaries (Order 1-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field rules are the spacing unit for Poduction (Bibs):    160-acre spacing unit for Nisku with p	Bell Creek, Southeast				Post-1986 Gas Production (MCF): 3.262.948
160-acre spacing for Devonian with wells no closer than 990' from spacing unit boundaries (Orders 1-62 and 44-62). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field reduction (Order 66-84). Field reduction (Order 66-85). Single Nisku Formation spacing unit consisting of Lots 3 and 4, Sec. 6, T30N, R48E (Orders 108-84 and 7-85). Single Nisku Formation spacing unit consisting of Lots 3 and 4, Sec. 6, T30N, R48E (Orders 108-84 and 7-85). Same as East Benrud Field (Order 6-65). Field enlargement (Order 26-66).    Berthelote					
Separation   Sep	Benrud				Cumulative Oil Production (Bbls): 289,695 Post-1986 Gas Production (MCF): 14,992
Nisku   1   3,827   0   160-acre spacing units for Nisku with permitted location within a 1,320' square in center of quarter section (Order 6-65). Single Nisku Formation spacing unit consisting of Lots 3 and 4, Sec. 6, T30N, R48E (Orders 108-84 and 7-85).					62). Field rules amended to allow drilling not closer than 660' to the spacing unit boundaries (Order 6-65). Field
Nisku   1   3,827   0   160-acre spacing units for Nisku with permitted location within a 1,320' square in center of quarter section (Order 6-65). Single Nisku Formation spacing unit consisting of Lots 3 and 4, Sec. 6, T30N, R48E (Orders 108-84 and 7-85).	Benrud, East				Cumulative Oil Production (Bbls): 3,051,083 Post-1986 Gas Production (MCF): 123,714
Cumulative Oil Production (Bbls): 1,019,598   Post-1986 Gas Production (MCF): 17,551	•		3,827	0	
Same as East Benrud Field (Order 6-65). Field enlargement (Order 26-66).           Berthelote         Cumulative Oil Production (Bbls): 78,960           Sunburst         3         267         0         Sunburst wells to be located 330' from lease lines; 660' between wells with no more than one well per governmental quarter-quarter section (Order 18-66).           Big Coulee         Post-1986 Gas Production (MCF): 6,953,394           Lakota         1         0         5,557         Statewide except for single spacing unit for production of gas from the Morrison Formation consisting of Sec. 29, T4N R20E (Order 25-86). Big Coulee Gas Unit (Order 209-07).           Morrison         1         0         5,935           Lakota, Morrison         6         0         154,550           2016 Production:         0         182,750           Big Gully         Cumulative Oil Production (Bbls): 186,702           Tyler         1         2,573         0           Statewide.         Cumulative Oil Production (Bbls): 186,702		2016 Production	on: 3,827	0	65). Single Nisku Formation spacing unit consisting of Lots 3 and 4, Sec. 6, T30N, R48E (Orders 108-84 and 7-85)
Sunburst 3 267 0 Sunburst wells to be located 330' from lease lines; 660' between wells with no more than one well per governmental quarter-quarter section (Order 18-66).    Big Coulee	Benrud, Northeast				
Sunburst 3 267 0 Sunburst wells to be located 330' from lease lines; 660' between wells with no more than one well per governmental quarter-quarter section (Order 18-66).    Big Coulee	Rerthelote				Cumulative Oil Production (Rbls): 78 960
Second			3 267	0	
Big Coulee         Post-1986 Gas Production (MCF): 6,953,394           Lakota         1         0         5,557         Statewide except for single spacing unit for production of gas from the Morrison Formation consisting of Sec. 29, T4N R20E (Order 25-86). Big Coulee Gas Unit (Order 209-07).           Morrison         1         0         5,935           Lakota, Morrison         6         0         154,550           2016 Production:         0         182,758    **Cumulative Oil Production (Bbls): 186,702  Tyler  **Tyler**  **Tyler*	34.134.31				·
Lakota         1         0         5,557         Statewide except for single spacing unit for production of gas from the Morrison Formation consisting of Sec. 29, T4N R20E (Order 25-86). Big Coulee Gas Unit (Order 209-07).           Morrison         1         0         5,935           Lakota, Morrison         6         0         154,550           2016         Production:         0         182,758           Cumulative Oil Production (Bbls): 186,702           Tyler         1         2,573         0         Statewide.	Rig Coulee				Poet-1986 Gas Production (MCF): 6 953 304
Cat Creek, Third         3         0         16,716         T4N R20E (Order 25-86). Big Coulee Gas Unit (Order 209-07).           Morrison         1         0         5,935           Lakota, Morrison         6         0         154,550           2016         Production:         0         182,758              Cumulative Oil Production (Bbls): 186,702           Tyler         1         2,573         0         Statewide.				5.557	
Morrison         1         0         5,935           Lakota, Morrison         6         0         154,550           2016         Production:         0         182,758              Big Gully         Cumulative Oil Production (Bbls): 186,702           Tyler         1         2,573         0         Statewide.					
Lakota, Morrison       6       0       154,550         2016 Production:       0       182,758              Big Gully       Cumulative Oil Production (Bbls):       186,702         Tyler       1       2,573       0       Statewide.					
2016 Production:         0         182,758           Big Gully         Cumulative Oil Production (Bbls):         186,702           Tyler         1         2,573         0         Statewide.					
Big Gully         Cumulative Oil Production (Bbls):         186,702           Tyler         1         2,573         0         Statewide.	,				
Tyler 1 2,573 0 Statewide.	Big Gully				Cumulative Oil Production (Bbls): 186.702
			2.573	0	
	<b>,</b> -				

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Big Gully, North					Cumulative Oil Production (Bbls): 32,155 Statewide.
Big Muddy Creek					Cumulative Oil Production (Bbls): 1,488,089 Post-1986 Gas Production (MCF): 241,838  One well per 320-acre spacing unit for Interlake and Red River with wells no closer than 660' to boundary of the four N/2-S/2 spacing units (Order 4-75).
Big Rock					Cumulative Oil Production (Bbls): 10,764 Post-1986 Gas Production (MCF): 8,484,915
Colorado Shale		5	0	21,815	640-acre spacing units for gas production from Blackleaf "A" Formation; location to be no closer than 990' to any
Blackleaf		22	0	65,077	governmental section line (Order 31-78). Amended to allow 2 wells per section in 5 sections (Order 64-85).
Bow Island		6	0	26,000	
	2016	Production:	0	112,892	
Big Wall					Cumulative Oil Production (Bbls): 8,807,774
Amsden		1	5,553	0	Basal Amsden Sand and Amsden Dolomite spaced by old statewide spacing; 330' from lease or property line, 990'
Tyler		6	16,234	0	between wells in same reservoir (Order 12-54). Waterflood of Tyler "B" sand started August 1966 (Order 22-66). A
	2016	Production:	21,787	0	second Tyler "B" waterflood authorized by Order 96-83.
Big Wall, North					Cumulative Oil Production (Bbls): 7,218 Statewide.
Bills Coulee					Cumulative Oil Production (Bbls): 1,158 Post-1986 Gas Production (MCF): 571,960
Moulton		1	0	4	Field without restrictions except that no well may be drilled closer than 330' to the exterior field boundary (Order 22-
Sunburst		1	0	376	80).
	2016	Production:	0	380	
Black Butte					Post-1986 Gas Production (MCF): 1,915,187
Eagle		1	0	13,587	320-acre spacing units for gas production from the Eagle Sandstone consisting of either the N/2 and S/2 or E/2 and
	2016	Production:	0	13,587	W/2 of the section with wells to be no closer than 990' to exterior field boundaries nor closer than 660' to the interior spacing unit boundaries (Order 134-80).
Black Coulee					Post-1986 Gas Production (MCF): 6,832,374
Eagle		14	0	59,851	320-acre Eagle spacing units; well to be located no closer than 990' to unit boundary (Order 6-73). Well location to
	2016	Production:	0	59,851	be no closer than 660' to eastern boundary of Black Coulee Field (Order 37-79). Field enlargement (Order 71-79). Numerous exception locations.
Black Diamond					Cumulative Oil Production (Bbls): 715,757 Post-1986 Gas Production (MCF): 271,483
Red River		1	2,522	620	320-acre spacing units for Duperow, Red River and Nisku Formations; well no closer than 660' to unit boundary
	2016	Production:	2,522	620	(Orders 147-81 and 51-86). Field enlarged (Order 15-87). Portion of existing field delineated for production from Ratcliffe and Mission Canyon (Orders 32-89, 154-00).
Black Jack					Post-1986 Gas Production (MCF): 1,899,386
Blackleaf		1	0	1,065	Delineated for Sunburst and Swift with one gas well per 160 acre spacing unit, with well no closer than 660' to
Sunburst		8	0	23,479	spacing unit boundaries (Order 3-69). Order 3-69 amended to include Blackleaf Formation (Order 4-74).
Swift, Sunburst		1	0	1,365	
	2016	Production:	0	25,909	

Field, Reported Formation	# of W	ells Oil, Bb	ls Gas, MCF	<b>Cumulative Production And Regulation Summary</b>
Blackfoot				Cumulative Oil Production (Bbls): 1,862,767 Post-1986 Gas Production (MCF): 1,518,171
Dakota		6	0 17,489	Delineated for Cut Bank, Madison with one well per 40-acre spacing unit; 300' tolerance from center of spacing
Bow Island, Dakota		2	0 1,912	unit; dual completion in Cut Bank and Madison with administrative approval (Order 3-57). Waterflood started
Cut Bank, Madison		5 3,64	11 0	November 1976 (Order 34-76). Blackfoot Shallow Gas: 640-acre spacing units; one well per section per producing horizon above the Kootenai located no closer than 990' to section boundaries (Order 121-80). Sunburst Sandstone
Sunburst, Dakota		1	0 292	spacing unit, 37N-6W-11:W2 SE (Order 1-00).
	2016 Produ	ction: 3,64	11 19,693	
Blackfoot, East				Cumulative Oil Production (Bbls): 810
				Field rules vacated.
Blackleaf Canyon				Cumulative Oil Production (Bbls): 32,922 Post-1986 Gas Production (MCF): 1,054,082
				Single 160-acre Madison spacing unit (Order 84-81). Knowlton Unit: Well spacing requirements suspended provided no well drilled to be closer than 990' to unit boundary (Order 47-81). Two 280-acre spacing units for Sun River (Order 25-85).
Bloomfield				Cumulative Oil Production (Bbls): 2,014,316 Post-1986 Gas Production (MCF): 1,045,219
Dawson Bay		1 3,68	30 0	320-acre spacing units for Interlake and Red River Formations consisting of two contiguous governmental quarter
Red River		4 170,1	10 142,658	sections which need not be in the same section; wells located no closer than 660' to spacing unit boundaries (Order
Dawson Bay, Interlake		1 5,25	52 0	38-83). Dawson Bay Formation added and commingling of Dawson Bay, Interlake, and Red River formations
•	2016 Produ	ction: 179,04	142,658	authorized (Order 16-84). Enlarged (Orders 32-84 and 26-89).
Bloomfield, South				Cumulative Oil Production (Bbls): 1,460,887 Post-1986 Gas Production (MCF): 615,168
Red River		6 183,64	18 133,995	Statewide for production from the Red River Formation plus individual designated spacing units for horizontal wells.
	2016 Produ	ction: 183,64	133,995	
Blue Hill				Cumulative Oil Production (Bbls): 162,251 Statewide.
Blue Mountain				Cumulative Oil Production (Bbls): 222,601 Post-1986 Gas Production (MCF): 13,484
Red River		1 2,1	19 0	Statewide.
	2016 Produ	ction: 2,1	19 0	
Border				Cumulative Oil Production (Bbls): 1,523,446 Post-1986 Gas Production (MCF): 129,519
Cut Bank		7 2,22	25 24	Oil: Unitized into New and Old Border fields, 6-1-73 (Orders 8-73, 9-73). Gas: Location no closer than 330
Sunburst		1	0 2,983	boundary of legal subdivision; 2,400' between wells in same formation on same lease; 75' topographic tolerance
	2016 Produ	ction: 2,22	25 3,007	(Order 7-54). Waterflood approved (Orders 8-73, 9-73, 28-73).
Boulder				Cumulative Oil Production (Bbls): 156,754 Statewide.

Post-1986 Gas Production (MCF): 211,342,489  One well per quarter section not less than 1,000' from lease boundary or less than 2,000' from any gas well in same horizon (Order 29-55). Unitized 1958. Delineated (Order 3-72). Spacing waived within lands participating in Bowdoin and Hinsdale Units, 660' setback from unit boundaries (Order 135-97, 166-01). Spacing waiver expanded to include the Colorado Group and specifically the Niobrara and Belle Fourche (Order 194-02). Clarification that orders applicable to non-unit tracts include the Niobrara and Belle Fourche Fms. (Order 266-03). Numerous spacing orders for non-unit tracts.
horizon (Order 29-55). Unitized 1958. Delineated (Order 3-72). Spacing waived within lands participating in Bowdoin and Hinsdale Units, 660' setback from unit boundaries (Order 135-97, 166-01). Spacing waiver expanded to include the Colorado Group and specifically the Niobrara and Belle Fourche (Order 194-02). Clarification that orders applicable to non-unit tracts include the Niobrara and Belle Fourche Fms. (Order 266-03). Numerous
Bowdoin and Hinsdale Units, 660' setback from unit boundaries (Order 135-97, 166-01). Spacing waiver expanded to include the Colorado Group and specifically the Niobrara and Belle Fourche (Order 194-02). Clarification that orders applicable to non-unit tracts include the Niobrara and Belle Fourche Fms. (Order 266-03). Numerous
to include the Colorado Group and specifically the Niobrara and Belle Fourche (Order 194-02). Člarification that orders applicable to non-unit tracts include the Niobrara and Belle Fourche Fms. (Order 266-03). Numerous
orders applicable to non-unit tracts include the Niobrara and Belle Fourche Fms. (Order 266-03). Numerous
Cumulative Oil Production (Bbls): 12,983,264 Post-1986 Gas Production (MCF): 10,547,178
Eagle Sandstone gas wells to be located 660' from boundary of legal subdivision and 1,320' from other wells in
same formation with 75' topographic tolerance (Order 23-54). 160-acre Eagle spacing units in Sec. 5, 6, 7, 8, 17,
and 18, T31N, R19E (Order 44-75). Sawtooth (Piper) oil wells 330' from lease or property line, 990' between wells
in the same formation (Order 13-54). Pilot waterflood initiated in 1961 and expanded to fieldwide waterflood in 1965 utilizing water from Madison (Order 6-61). Vacuum pumps authorized (Order 74-83). Location and spacing
requirements waived for lands committed to unit (Order 61-97). Expanded enhanced recovery unit designation
(Order 85-97).
Cumulative Oil Production (Bbls): 245,847 Post-1986 Gas Production (MCF): 55,900
Statewide.
Cumulative Oil Production (Bbls): 280,486 Post-1986 Gas Production (MCF): 112,524
One well per formation per section for production of gas from all horizons above the top of the Kootenai Formation
(Order 91-84). Amended to allow two wells per spacing unit (Order 47-95).
Spacing waived within Bradshaw Federal Unit; 200' setback from exterior boundaries.
Cumulative Oil Production (Bbls): 300,719
Originally delineated for Sunburst Sandstone; wells to be located at center of 10-acre spacing units with 75'
topographic tolerance (Orders 34-62, 55-62). Field enlargement; commingle production from Burwash and Sunburst formations in Section 16 (Order 86-81).
Sumburst formations in Section to (Order 60-61).
Cumulative Oil Production (Bbls): 232,121
Field rules vacated.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Bredette, North					Cumulative Oil Production (Bbls): 488,554 Field rules vacated.
Breed Creek					Cumulative Oil Production (Bbls): 3,570,457 Post-1986 Gas Production (MCF): 166,890
Tyler		10	23,567	2,633	Breed Creek Waterflood Unit approved; spacing waived within unitized area; wells to be located no closer that
	2016	Production:	23,567	2,633	330' to unit boundaries (Order 12-92). Certified as expanded enhanced recovery unit effective 9/1/94 (Order 9
Broadview					Post-1986 Gas Production (MCF): 337,212 Single 640-acre Frontier spacing unit comprised of Sec. 35, T5N, R22E (Order 8-86).
Brorson					Cumulative Oil Production (Bbls): 5,834,841 Post-1986 Gas Production (MCF): 2,117,30
Madison		2	7,866	13,273	One well per 160-acre spacing unit, wells no closer than 660' to spacing unit boundaries for Mission Canyon a
Mission Canyon		3	4,116	515	Red River Formations (Order 5-69). Field enlargement (Order 25-82). Spacing units for Stonewall, 23N-58E-5
Ratcliffe		1	21	11	NW, SW (Order 26-01). Stonewall spacing unit, SW/4 24N-58E-33 (Order 14-02).
Red River		2	7,853	6,897	
Stonewall		1	3,175	3,290	
Mission Canyon, Bakken		1	1,881	2,436	
•	2016	Production:	24,912	26,422	
Brorson, South					Cumulative Oil Production (Bbls): 2,651,283 Post-1986 Gas Production (MCF): 817,84
Mission Canyon		2	4,419	3,206	Delineated for Red River production with one well per 160-acre spacing unit, no closer than 660' to spacing un
Mission Canyon, Bakken		2	2,569	1,773	boundary (Order 26-68). Reduced Field Area (Order 26-77).
Ratcliffe, Mission Canyon		1	3,058	0	
,	2016	Production:	10,046	4,979	
Brown's Coulee					Post-1986 Gas Production (MCF): 2,176,194
Eagle		4	0	10,792	Delineated for Judith River and Eagle gas production; one well per 160-acre spacing unit located no closer that
	2016	Production:	0	10,792	660' to spacing unit boundary; commingling upon administrative approval (Order 7-74). Eagle spacing units, \$ SW 23-34N-13E and N/2 NW 26-34N-14E (Order 4-99); SW/4 34N-14E-23 (Order 215-03). Numerous locatio exceptions.
Brown's Coulee, East					Post-1986 Gas Production (MCF): 3,291,893
Eagle		9	0	38,374	Statewide.
	2016	Production:	0	38,374	
Brush Lake					Cumulative Oil Production (Bbls): 5,740,851 Post-1986 Gas Production (MCF): 2,140,789
Nisku		1	2,188	2,294	320-acre Red River spacing units with initially nine designated spacing units (Order 15-71). Permanent spacing
Gunton		6	34,353	26,921	unit, Gunton and Stonewall, S2 33N-58E-11 (Order 13-02). Permanent spacing, Gunton 33N-58E-13, W2, and
Red River		5	28,995	24,804	E2 (Order 40-04).
	2016	Production:	65,536	54,019	
Buffalo Flat					Cumulative Oil Production (Bbls): 603 Post-1986 Gas Production (MCF): 53,954 Statewide.
Buffalo Lake					Cumulative Oil Production (Bbls): 936
					Statewide.

	Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Maria Nove   5	Bullwacker					Post-1986 Gas Production (MCF): 33,417,920
Segion, Virginio   10	Eagle		72	0	546,322	Delineated for Judith River and Virgelle/Eagle gas production with one well per 320-acre spacing unit no closer than
Page	Judith River		5	0	4,346	
Page   Telegraph Creek   1	Eagle, Virgelle		1	0	10,399	85). Numerous exception locations/increased density orders.
Burget   1	Judith River, Eagle		6	0	42,329	
Purpose   Purp	Eagle, Telegraph Creek		1	0	57,699	
Name		2016	Production:	0	661,095	
Burget, East   Sister   Sist	Burget					Cumulative Oil Production (Bbls): 149,868 Post-1986 Gas Production (MCF): 73,704
Surget, East   1	Nisku		1	3,707	1,555	Delineated for production of oil from Red River; 320-acre spacing units comprised of contiguous quarter sections,
Name		2016	Production:	3,707	1,555	660' setback, 1650' between wells, 150' topographic tolerance (Order 25-81).
Name	Burget, East					Cumulative Oil Production (Bbls): 711,477 Post-1986 Gas Production (MCF): 131,652
			1	46	23	Statewide.
Statewide.   Sta		2016	Production:	46	23	
	Burns Creek					Cumulative Oil Production (Bbls): 269,005
Red River         2         1,297         836 bit devide.         Statewide.           Butcher Creek         Cumulative Oil Production (Bbls): 579 also be underes; all wells may be utilized for steam stimulation (Order 100-81).         579 also between producing wells with "heater" wells to be located no closer than 160' to other wells or 320' to exterior field boundaries; all wells may be utilized for steam stimulation (Order 100-81).           Bynum         Cumulative Oil Production (Bbls): 5,971 statewide.         5,971 statewide.           Cabin Creek         Cumulative Oil Production (Bbls): 8 tatewide.         462,275 Post-1986 Gas Production (MCF): 2,069 statewide.           Madison Madison Mission Canyon Siluro-Ordovician Red River Red Rive						Statewide.
Butcher Creek   Substitution   1,297   836	Burns Creek, South					Cumulative Oil Production (Bbls): 86,740 Post-1986 Gas Production (MCF): 836
Cumulative Oil Production (Bbls): 579   320' between producing wells with "heater" wells to be located no closer than 160' to producing wells (Order 17-60). Amended to authorize Greybull Formation wells no closer than 160' to other wells or 320' to exterior field boundaries will wells and between the utilized for steam stimulation (Order 100-81).    Bynum	Red River		2	1,297	836	Statewide.
Summa		2016	Production:	1,297	836	
Bynum  Cumulative Oil Production (Bbls): 5,971 Statewide.  Cabin Creek  Madison Siluro-Ordovician Siluro-Ordovician Reliver Mediver Medivary Mediver Mediver Mediver Mediver Mediver Mediver Mediver Mediver Mediver M	Butcher Creek					Cumulative Oil Production (Bbls): 579
Cabaret Coulee         Cumulative Oil Production (Bbls): Statewide.         462,275         Post-1986 Gas Production (MCF): Post-1986 Gas Pr						60). Amended to authorize Greybull Formation wells no closer than 160' to other wells or 320' to exterior field
Statewide.           Cabin Creek         Cumulative Oil Production (Bbls): 119,895,090 Post-1986 Gas Production (MCF): 11,462,103           Madison Mission Canyon Siluro-Ordovician Siluro-Ordovician Stony Mountain         87         577,570 185,421         577,570 185,421         Field boundaries amended and some spacing units designated (Order 118-84). Waterflood of Siluro-Ordovician (Order 3-6-62). Field boundaries amended and some spacing units designated (Order 118-84). Waterflood of Siluro-Ordovician (Order 12-01).           Stony Mountain         1         9,031         0	Bynum					, ,
Madison 5 26,745 11,587 Spacing waived and general rules suspended until present unit agreement becomes inoperative (Order 36-62).  Mission Canyon 3 18,752 449 Siluro-Ordovician Siluro-Ordovician Siluro-Ordovician Siluro-Ordovician Red River 8 43,973 0 Stony Mountain 1 9,031 0 0 2016 Production: 676,071 197,457  Cadmus  Camp Creek Eagle 1 0 1 30 138 Statewide.	Cabaret Coulee					
Madison 5 26,745 11,587 Spacing waived and general rules suspended until present unit agreement becomes inoperative (Order 36-62).  Mission Canyon 3 18,752 449 Siluro-Ordovician Siluro-Ordovician Siluro-Ordovician Siluro-Ordovician Red River 8 43,973 0 Stony Mountain 1 9,031 0 0 2016 Production: 676,071 197,457  Cadmus  Camp Creek Eagle 1 0 1 30 138 Statewide.	Cabin Creek					Cumulative Oil Production (Bbls): 119,895,090 Post-1986 Gas Production (MCF): 11,462,103
Siluro-Ordovician   87   577,570   185,421   (Orders 5-59, 15-60, and 30-63). Expanded enhanced recovery unit (Order 12-01).	Madison		5	26,745	11,587	
Red River   8   43,973   0     Stony Mountain   1   9,031   0     2016   Production:   676,071   197,457     Cadmus   2	Mission Canyon		3	18,752	449	
Red River Stony Mountain         8   43,973   9,031   0   197,457         Cumulative Oil Production (Bbls): Statewide.         1,173	•		87	•	185,421	(Orders 5-59, 15-60, and 30-63). Expanded enhanced recovery unit (Order 12-01).
Cadmus         Cumulative Oil Production (Bbls): Statewide.         1,173 Statewide.           Camp Creek         Eagle         1         0         138 Statewide.	Red River		8	43,973	0	
Cadmus         Cumulative Oil Production (Bbls): Statewide.         1,173           Camp Creek         Post-1986 Gas Production (MCF): 338,385           Eagle         1         0         138         Statewide.	Stony Mountain		1	9,031	0	
Statewide.           Camp Creek         Post-1986 Gas Production (MCF): 338,385           Eagle         1         0         1         38         Statewide.	•	2016	Production:	676,071	197,457	
Eagle 1 0 138 Statewide.	Cadmus					
Eagle 1 0 138 Statewide.	Camp Creek					Post-1986 Gas Production (MCF): 338 385
	•		1	0	138	· , , , , , , , , , , , , , , , , , , ,
		2016	Production:	0	138	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Canadian Coulee					Cumulative Oil Production (Bbls): 13,471 Post-1986 Gas Production (MCF): 3,524
Sawtooth		1	500	0	320-acre spacing units for Jurassic Sawtooth/Piper with well no closer than 660' to interior spacing unit boundary
	2016	Production:	500	0	and 990' to field boundaries (Order 18-76).
Canadian Coulee, North					Post-1986 Gas Production (MCF): 84,056
Claggett Shale		1	0	4,699	640-acre spacing units for Jurassic Sawtooth. Wells to be no closer than 1,650' to section line (Order 15-74).
	2016	Production:	0	4,699	
Canal					Cumulative Oil Production (Bbls): 1,693,635 Post-1986 Gas Production (MCF): 920,564
Mission Canyon		1	4,896	2,771	320-acre Red River spacing units consisting of E 1/2 and W 1/2 of governmental section (Order 34-70). 160-acre
Ratcliffe		1	120	0	Madison spacing units; wells no closer than 660' to unit boundary with 150' topographic tolerance (Order 58-85).
Red River		2	2,212	5,866	Permanent spacing unit, E/2, 23N-59E-7, for horizontal Ratcliffe well (Order 95-97).
	2016	Production:	7,228	8,637	
Cannon Ball			,	,	Cumulative Oil Production (Bbls): 74,779 Post-1986 Gas Production (MCF): 23,686 Statewide.
Carlyle					Cumulative Oil Production (Bbls): 330,289  320-acre Red River spacing units, either the N/2 and S/2 or E/2 and W/2 of section or lots corresponding thereto; wells no closer than 660' to unit boundary or 1,650' to any well drilling to or producing from the same pool (Order 39-79). E 1/2 of 18-11N-61E designated as a spacing unit for Nisku Formation with permission to commingle production (Order 29-87).
Cat Creek					Cumulative Oil Production (Bbls): 24,459,667
Cat Creek, Second		2	9,774	0	220' from lease or property line, 440' from every other well in same formation (Order 17-55). Three separate
Ellis		5	2,982	0	producing areas, East, Mosby, and West Domes. Field enlargement; upper and lower Brindley wells in Sec. 1,
Morrison		2	2,259	0	T15N, R28E are to be no closer than 350' from other Morrison wells in said section (Order 101-82). Three Kootenai, two Ellis, and one Amsden waterflood approved (Orders 17-56, 18-59, 13-62, 8-68, 38-70, 11-7).
Amsden		1	5,044	0	Waterflood modified (Order 29-74).
Cat Creek 1 & 2		18	10,145	0	
Morrison, Second Cat Creek		1	562	0	
	2016	Production:	30,766	0	
Cattails					Cumulative Oil Production (Bbls): 1,521,751 Post-1986 Gas Production (MCF): 978,497
Ratcliffe		6	17,705	12,846	160-acre spacing units for Ratcliffe zone; wells no closer than 660' to unit boundaries (Order 31-88).
	2016	Production:	17,705	12,846	3 · · · · · · · · · · · · · · · · · · ·
Cattails, South			<u> </u>		Cumulative Oil Production (Bbls): 414,971 Post-1986 Gas Production (MCF): 267,149
Madison		2	2,923	0	160-acre spacing units for Ratcliffe zone; wells no closer than 660' to spacing unit boundaries. Horizontal wells
Ratcliffe		1	620	998	may cross spacing unit boundaries (Order 70-91).
	2016	Production:	3,543	998	
Cedar Creek			-		Post-1986 Gas Production (MCF): 249,563,465
Eagle		929	0	6,592,296	320-acre Eagle Formation spacing units for a portion of the area, with wells in center of NW 1/4 and SE 1/4 of each
Judith River, Eagle		8	0	89,993	section with 200' topographic tolerance (Order 1-61). Delineation amendments (Order 23-76 and 32-86). Order 33-
casiii riivoi, Lagio	2016	Production:	0	6,682,289	54 (original delineation) vacated, and a portion of the lands included in Order 1-61 removed (Order 32-86). Spacing in Baker North Eagle Unit waived; 660' setback from unit boundaries (Order 93-94). Two Eagle Fm. wells per spacing unit for a portion of field (Order 4-97). 160-acre spacing for Fed. Units 8A & 8B, 660' setback, 460' topographic tolerance (Order 61-98). Spacing waived, Unit 8A (Order 139-01). Field enlargement (Order 134-03). Increased density (Order 267-03). Topographic tolerance (Order 268-03). Waive spacing in Unit 8B (Order 95-04). Numerous spacing/location exceptions.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Chain Lakes					Post-1986 Gas Production (MCF): 170,579
					Statewide.
Charlie Creek					Cumulative Oil Production (Bbls): 1,209,659 Post-1986 Gas Production (MCF): 421,394
Bakken		1	1,381	0	Delineated for Red River, Duperow, and Nisku with 320-acre spacing units, east-west or north-south at option of
Dawson Bay		1	7,203	6,336	operator; well no closer than 660' to spacing unit boundary and no closer than 1,650' to another producing well; spacing units may not cross section lines; commingling upon administrative approval (Order 66-76). Single 320
	2016	Production:	8,584	6,336	acre spacing unit for Dawson Bay oil production (Order 3-95).
Charlie Creek, East					Cumulative Oil Production (Bbls): 1,358,770 Post-1986 Gas Production (MCF): 728,754
Red River		1	11,917	6,204	Two 160-acre spacing units for Duperow Formation (Order 47-87). Two 320-acre spacing units for Red River
Red River, Nisku		1	4,312	5,268	Formation (Order 38-88). Nisku spacing unit, 25N-55E-9: NE, 10:NW (Order 38-00).
	2016	Production:	16,229	11,472	
Charlie Creek, North					Cumulative Oil Production (Bbls): 43,894 Post-1986 Gas Production (MCF): 77,794
					Single Red River spacing unit (Order 37-82).
Chelsea Creek					Cumulative Oil Production (Bbls): 154,396 Post-1986 Gas Production (MCF): 19,585
					Statewide.
Cherry Patch					Post-1986 Gas Production (MCF): 57,604
Eagle		1	0	2,085	Statewide plus designated spacing units for production from Eagle Fm.
	2016	Production:	0	2,085	
Cherry Patch, Southeast					Post-1986 Gas Production (MCF): 2,083,142
Eagle		14	0	42,693	
	2016	Production:	0	42,693	
Cherry Patch, Southwest					Post-1986 Gas Production (MCF): 2,154,603
Eagle		11	0	32,123	
	2016	Production:	0	32,123	
Chinook, East					Post-1986 Gas Production (MCF): 774,275
Eagle		6	0	17,929	Statewide.
	2016	Production:	0	17,929	
Chip Creek		-			Post-1986 Gas Production (MCF): 72,798
Eagle		3	0	5,347	160-acre spacing units for Virgelle/Eagle and shallower formations; location no closer than 660' to spacing unit
	2016	Production:	0	5,347	boundary (Order 89-76).
Clark's Fork					Cumulative Oil Production (Bbls): 104,429 Post-1986 Gas Production (MCF): 674,718
Greybull		1	488	22,570	330' from quarter-quarter section line; 1,320' between wells with 75' topographic tolerance (Order 17-54).
	2016	Production:	488	22,570	
Clark's Fork, North					Cumulative Oil Production (Bbls): 1,024,608
					Delineated for production of gas condensate from Lakota Fm.; 160-acre spacing units, 660' setback from spacing unit boundaries.
Clark's Fork, South					Cumulative Oil Production (Bbls): 100,805 Post-1986 Gas Production (MCF): 39,822
Lakota		1	595	0	160-acre spacing for Frontier and deeper horizons; location no closer than 330' to quarter section line or 1,320' to
	2016	Production:	595	0	any other well (Order 21-69).

Field, Reported Formation	# of Wells Oil, Bbls Gas, MCF	Cumulative Production And Regulation Summary
Clear Lake		Cumulative Oil Production (Bbls): 5,036,010 Post-1986 Gas Production (MCF): 1,822,659
Mission Canyon	2 5,146 3,305	Statewide, plus single spacing unit for Madison and Nisku consisting of E/2 NW/4 and W/2 NE/4 Sec. 8, T33N,
Nisku	2 2,785 1,139	R58E (Order 21-94).
Red River	2 21,913 13,693	
Red River, Nisku	1 852 0	
	2016 Production: 30,696 18,137	
Clear Lake, South		Cumulative Oil Production (Bbls): 520,765 Post-1986 Gas Production (MCF): 226,563
Red River	1 11,314 6,767	Statewide, plus permanent Red River/Nisku spacing unit, S2 33N-58E-33 (Order 133-03).
	2016 Production: 11,314 6,767	
Coal Coulee		Post-1986 Gas Production (MCF): 696,934
		One Eagle well per governmental section, to be located no closer than 990' to section line and only one well
		permitted per formation (Order 25-78). Amendment provides 320-acre spacing units to be designated by the
		operator within certain sections; well to be located no closer than 990' to spacing unit boundary (Order 36-79).
Coal Creek		Post-1986 Gas Production (MCF): 1,733,110
Wall	9 0 71,267	Delineation for production of gas from coals within the Fort Union Fm. With 80-acre spacing units, 220' setback
Canyon, Cook	3 0 9,561	from boundaries (Orders 278-03, 152-05). Enlargement (Orders 174-08, 322-08, 133-10).
Cook, Wall, Canyon	2 0 2,529	
	2016 Production: 0 83,357	
Coal Mine Coulee		Post-1986 Gas Production (MCF): 576,111
Eagle	2 0 6,877	Delineated for Judith River and Eagle Formations with 4 wells per 640-acre spacing unit per formation, wells no
-	2016 Production: 0 6,877	closer than 990' to the exterior boundaries of the field and no closer than 660' to spacing unit boundaries with 150'
		topographic tolerance (Order 1-90).
Coalridge		Cumulative Oil Production (Bbls): 54,385 Post-1986 Gas Production (MCF): 87
Red River	1 2,373 0	Statewide.
	2016 Production: 2,373 0	
Colored Canyon		Cumulative Oil Production (Bbls): 1,326,422 Post-1986 Gas Production (MCF): 452,669
Red River	1 4,248 2,215	Two designated Red River spacing units (Orders 28-84,115-97). Single 160-acre Nisku spacing unit (Order 86-85).
	2016 Production: 4,248 2,215	
Comertown		Cumulative Oil Production (Bbls): 3,497,408 Post-1986 Gas Production (MCF): 788,786
Ratcliffe	2 6,304 1,580	320-acre Red River spacing units; wells no closer than 660' to spacing unit boundary (Order 35-80). Field
Nisku	1 966 727	enlargement (Orders 9-81 and 150-81).
Red River	3 21,441 8,980	
	2016 Production: 28,711 11,287	
Comertown, South		Cumulative Oil Production (Bbls): 610,789 Post-1986 Gas Production (MCF): 186,561
Red River	1 3,861 2,275	320-acre designated spacing units, wells no closer than 660' to spacing unit boundaries (Order 96-84). Enlarged
	2016 Production: 3,861 2,275	(Order 20-85).
Conrad, South		Cumulative Oil Production (Bbls): 167,739 Post-1986 Gas Production (MCF): 109,966
Sunburst	2 453 0	Delineated for Dakota production with 10-acre spacing units. Wells in center of each unit with 75' topographic
	2016 Production: 453 0	tolerance (Orders 34-62, 31-63).
Corner Pocket		Cumulative Oil Production (Bbls): 14,483 Statewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Cottonwood					Cumulative Oil Production (Bbls): 912,582 Post-1986 Gas Production (MCF): 287,543
Mission Canyon		1	297	266	Single 320-acre Red River spacing unit (Order 85-84). Amended to include Ratcliffe (Order 54-92).
Ratcliffe		4	19,057	3,545	
	2016	Production:	19,354	3,811	
Cottonwood, East					Cumulative Oil Production (Bbls): 190,848 Post-1986 Gas Production (MCF): 59,934 Statewide.
Cow Creek					Cumulative Oil Production (Bbls): 127,813
					80-acre Charles spacing units, direction at option of operator but wells to be in SW 1/4 and NE 1/4 of each quarter section (Order 11-69).
Cow Creek, East					Cumulative Oil Production (Bbls): 2,845,386
Kibbey		5	2,529	0	40-acre spacing units for Charles and Kibbey Formations consisting of quarter-quarter section with permitted well to
	2016	Production:	2,529	be at center with 150' topographic tolerance (Order 35-74). Amendment of Order 35- acre Charles Fm. spacing units (Order 73-97).	be at center with 150' topographic tolerance (Order 35-74). Amendment of Order 35-74 and designation of ten 80-acre Charles Fm. spacing units (Order 73-97).
Crane					Cumulative Oil Production (Bbls): 4,137,948 Post-1986 Gas Production (MCF): 2,466,594
Ratcliffe		1	5,988	3,486	320-acre spacing units for Red River and Duperow Formations consisting of one half of a section; wells to be no
Duperow		1	20,031	11,466	closer than 660' to spacing unit boundary and 1,650' to any well drilling to or producing from the same pool (Order
Red River		1	29	17	40-79). Madison/Duperow 320-acre spacing unit, 22N-58E-35:SE, 36:SW (Order 84-00). Drilling/production exceptions (Orders 27-01, 165-01).
Duperow, Mission Canyon		1	3,565	1,965	
	2016	Production:	29,613	16,934	
Crocker Springs, East					Cumulative Oil Production (Bbls): 3,476 Statewide (Order 68-82 which established 80-acre spacing units was vacated by Order 37-87).
Crooked Creek					Cumulative Oil Production (Bbls): 28,999 Statewide.
Culbertson					Cumulative Oil Production (Bbls): 175,652 Statewide.
Cupton					Cumulative Oil Production (Bbls): 3,307,316 Post-1986 Gas Production (MCF): 464,274
Lodgepole		1	7,775	2,070	160-acre quarter section spacing units for Red River Formation. Location no closer than 660' to spacing unit
Red River		4	27,130	2,941	boundary (Order 4-72).
	2016	Production:	34,905	5,011	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Cut Bank					Cumulative Oil Production (Bbls): 173,740,474 Post-1986 Gas Production (MCF): 65,132,265
Blackleaf		4	0	5,771	Oil: 330' from legal subdivision line, 650' between wells in same formation 5-spot on 40-acre tract permitted;
Bow Island		21	0	70,981	topographic tolerance (Order 10-54). Gas: 330' from legal subdivision, 2,400' between wells in same formation; 75
Cut Bank		553	174,586	669,744	topographic tolerance except for setback from legal subdivision boundary (Order 10-54). Sec. 20, 29, and 32 of T36N, R4W spaced 320-acres (N 1/2 and S 1/2) (Order 26-70). Cut Bank Special Spacing area: E 1/2 and W 1/2
Dakota		1	0	3,913	spacing units with wells to be located no closer than 330' to legal subdivision line nor less than 2,400' from any well
Kootenai		3	0	8,739	in the same reservoir (Orders 82-76, 6-77). Field extension (Order 3-79). Delineation to include all formations from
Lander		4	174	6,190	surface to base of Madison Formation (Order 45-80). Field enlarged (Orders 68-83, 13-85). Additional wells in selected spacing units in Special Spacing area (Orders 14-93, 51-93, 2-94). SCCBSU approved (Order 88-85).
Moulton		17	7,315	130,404	Cut Bank-Airport Unit approved (Order 26-92). Airport Unit vacated, Westbank Unit approved (Order 32-97).
Sunburst		12	728	8,596	Enlargement (Order 48-04).
Ellis		2	15	189	
Madison		41	55,398	243	
Cut Bank, Moulton		1	1,930	0	
Bow Island, Dakota		4	0	20,074	
Bow Island, Blackleaf		1	0	4,891	
Cut Bank, Bow Island		7	0	20,453	
Cut Bank, Madison		1	2,335	0	
Bow Island, Sunburst, Cut Ban	k	11	0	39,916	
Bow Island, Moulton, Sunburst		1	0	6,263	
Cut Bank, Sunburst		6	337	14,651	
	2016	Production:	242,818	1,011,018	
					Temporary designation, 160-acre spacing units, surface to base Fort Union; four wells per spacing unit, 220' setback from spacing unit boundaries (Order 108-97). Publication of intent to drill waived (Order 35-98). Permanent spacing (Order 174-00). Field enlargement (Order 100-03, 6-04).
Dagmar					Cumulative Oil Production (Bbls): 850,029 Post-1986 Gas Production (MCF): 334,519
Red River		1	4,607	4,772	Statewide.
	2016	Production:	4.607	4.772	
Dagmar, North			,		Cumulative Oil Production (Bbls): 55,342 Post-1986 Gas Production (MCF): 3,808
Dagmar, North					Delineated for production from the Red River Formation with 320-acre, E/2 and W/2 spacing units, 660' setback from spacing unit boundaries.
Deadman's Coulee					Cumulative Oil Production (Bbls): 264,528 Statewide.
Dean Dome					Cumulative Oil Production (Bbls): 92,597 Post-1986 Gas Production (MCF): 704,623 Statewide.
Deer Creek					Cumulative Oil Production (Bbls): 3,438,018 Post-1986 Gas Production (MCF): 1,247,649
Charles		2	11,824	1,709	80-acre spacing units for Interlake and Red River consisting of any two adjacent quarter-quarter sections. Well
Charles C		2	8,284	4,440	location in NE 1/4 and SW 1/4 of each quarter section with 75' topographic tolerance (Orders 23-55 and 14-59).
Red River		1	43,165	4,782	Well location amendment. (Order 10-86) Commingling of production from the Interlake, Stony Mountain, Red River, and Charles with administrative approval (Order 18-63). 80-acre Charles Fm spacing unit, E/2 NE/4, 17N-
			•	-	Triver, and origines with administrative approval (Order 10-00). Obtained that estim spacing unit, E/2 NE/4, 1/N-
Charles, Interlake		1	3,660	0	53E-22 (Order 75-97). Regular section spacing units for Charles Fm horizontal wells (Orders 20-97, 90-97, 91-97,

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Delphia					Cumulative Oil Production (Bbls): 378,494
Amsden		1	1,839	0	Statewide.
	2016	Production:	1,839	0	
Den					Cumulative Oil Production (Bbls): 176,125
					Single spacing unit for production of oil from Charles and Mission Canyon Formations (Order 34-95).
Devil's Basin					Cumulative Oil Production (Bbls): 143,276
Tyler		1	180	0	10-acre spacing units for Heath Formation; well location to be in the center of each spacing unit with a 75' tolerance
	2016	Production:	180	0	for topographic or geologic reasons (Order 114-80). Certain lands removed from field (Orders 103-94, 64-97).
Devil's Pocket					Cumulative Oil Production (Bbls): 53,796
					40-acre spacing units for Heath Formation; wells no closer than 165' to spacing unit boundary (Order 34-85).
Devon					Post-1986 Gas Production (MCF): 2,672,854
Bow Island		21	0	24,046	160-acre spacing units for production of gas, all formations from surface to top of Kootenai Formation; wells located
	2016	Production:	0	24,046	no closer than 330' to quarter section lines and 660' to exterior boundaries of field, existing wells excluded (Order 32-83). Field enlarged, amended to provide 320-acre spacing units for Bow Island Formation; wells located no
					closer than 660' to interior spacing unit line and 990' to section lines (Order 50-86). Field enlargement (Order 5-
					88). Permanent spacing unit, Bow Island, S2 32N-2E-23 (Order 186-02).
Devon, East					Post-1986 Gas Production (MCF): 1,362,969
Bow Island		9	0	20,532	320-acre spacing units for Bow Island gas production consisting of any two contiguous quarter sections; wells
Spike Zone, Blackleaf Fm.		1	0	1,042	located no closer than 660' to spacing unit boundaries (Order 42-86). Field enlarged (Order 26-87, 149-00).
•	2016	Production:	0	21,574	
Devon, South					Post-1986 Gas Production (MCF): 9,249
					Delineated for gas production from all horizons above the top of the Kootenai with 320-acre spacing units; wells
					located no closer than 660' to unit boundaries (Order 24-84). Field enlarged (Order 11-87).
Devon, South Unit					Post-1986 Gas Production (MCF): 588,103
Bow Island		7	0	1,643	South Devon Unit (Bow Island) drilled on statewide spacing and unitized for primary production (Order 28-71).
	2016	Production:	0	1,643	
Diamond Point					Cumulative Oil Production (Bbls): 1,330,668 Post-1986 Gas Production (MCF): 679,720
Interlake		1	2,409	2,868	320-acre spacing unit with two wells to produce from the Red River or from commercial production at any depth
	2016	Production:	2,409	2,868	shallower (Order 20-80).
Dietz					Post-1986 Gas Production (MCF): 4,481,672
Canyon		4	0	61,551	80-acre spacing units aligned at operator's discretion with one well per coal seam within the Fort Union Formation,
Cook Coal		12	0	12,265	220' setback from spacing unit boundaries, commingling authorized (Order 277-05).
Monarch		1	0	3,091	
Wall		8	0	12,664	
Canyon, Wall		1	0	237	
Dietz 2, Dietz 3		2	0	4,313	
Cook, Wall		2	0	1,151	
Canyon, Cook		8	0	66,800	
Cook, Wall, Canyon		5	0	7,385	
	2016	Production:	0	169,457	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	<b>Cumulative Production And Regulation Summary</b>
Dietz, South					
					80-acre spacing units for the production of gas from coals within the Fort Union Fm.; 220' setback (Order 385-2006)
Divide					Cumulative Oil Production (Bbls): 4,706,805 Post-1986 Gas Production (MCF): 1,553,795
Mission Canyon		1	3,711	1,705	Ratcliffe and Mission Canyon 160-acre spacing units, no closer than 660' to spacing unit boundaries and 1600'
Ratcliffe		4	13,077	3,360	between wells; 150' topographic tolerance excluding boundary setback (Order 7-81).
Red River		7	43,363	14,285	
Ratcliffe, Mission Canyon		3	4,697	3,297	
	2016	Production:	64,848	22,647	
Dooley					Cumulative Oil Production (Bbls): 458,086 Post-1986 Gas Production (MCF): 164,735
Ratcliffe		2	4,892	1,528	Statewide.
	2016	Production:	4,892	1,528	
Dry Creek					Cumulative Oil Production (Bbls): 4,173,027 Post-1986 Gas Production (MCF): 15,822,312
Eagle		1	0	11,439	Field delineated for Frontier gas production with E 1/2 or W 1/2 of sections as spacing units (Order 8-70). West
Frontier		12	0	134,980	Dome gas storage project approved (Order 31-66). Enlarged (Order 69-92). Order 8-70 modified to allow N 1/2 or
Judith River		2	0	19,182	S 1/2 of section as spacing units (Order 31-76).
Virgelle Sandstone		1	0	19,015	
Greybull		1	22	42,758	
Judith River, Eagle		2	0	22,342	
	2016	Production:	22	249,716	
Dry Creek (Shallow Gas)					Cumulative Oil Production (Bbls): 1,180 Post-1986 Gas Production (MCF): 2,543,847
Judith River, Claggett, Eagle, \	Virgelle	1	0	43,427	160-acre spacing units with 1 well per productive horizon above Cody Shale per spacing unit; location no closer
	2016	Production:	0	43,427	than 660' to spacing unit boundaries (Order 54-76). Additional wells (Order 13-90).
Dry Creek, Middle					Cumulative Oil Production (Bbls): 29,213 Post-1986 Gas Production (MCF): 917,023
Frontier		2	0	19,606	320-acre spacing units for Frontier gas production consisting of two adjacent governmental quarter sections lying
Virgelle Sandstone		1	359	12,342	north-south or east-west at operator's option; permitted well no closer than 660' to spacing boundary (Order 25-75).
•	2016	Production:	359	31,948	
Dry Creek, West					Cumulative Oil Production (Bbls): 16,444 Post-1986 Gas Production (MCF): 1,559,316
Frontier		1	0	60,531	Originally 160-acre spacing units for Greybull Sandstone; well location anywhere in spacing unit but no closer than
Greybull		1	0	31	660' to unit boundary (Order 43-78); amended to include Frontier Formation (Order 65-82). Field enlargement
	2016	Production:	0	60,562	(Orders 86-82, 154-04).
Dry Fork					Post-1986 Gas Production (MCF): 525,067
Bow Island		6	0	4,580	One well per section per horizon above top of Kootenai; wells no closer than 990' to spacing unit boundaries (Order
	2016	Production:	0	4,580	32-82). Additional well in Sections 20, 21 (Order 291-04).
Dugout Creek					Cumulative Oil Production (Bbls): 873,880 Post-1986 Gas Production (MCF): 998,278
Red River		1	21,276	29,341	Delineated for production from Red River with 320-acre spacing units, 660' setback from boundaries (Order 22-
	2016	Production:	21,276	29,341	82). Field enlargement, S/2 26N-55E-15 (Order 98-98).
Dugout Creek, South					Cumulative Oil Production (Bbls): 57,400 Post-1986 Gas Production (MCF): 131,419 Statewide.
Dunkirk					Post-1986 Gas Production (MCF): 2,126,542
Dakota		9	0	27,617	One well per section for each producing zone, formation, or horizon above Kootenai Formation, no closer than 990'
	2016	Production:	0	27,617	to section lines (Order 58-81). Field enlargements (Orders 104-81 and 66-82).
	_0.0		<u> </u>	27,017	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	<b>Cumulative Production And Regulation Summary</b>
Dunkirk, North					Cumulative Oil Production (Bbls): 19 Post-1986 Gas Production (MCF): 4,756,038
Bow Island		26	0	30,753	One well per governmental section per Bow Island zone or horizon, 990' setback (Order 25-77). Amended to allow
Sunburst		1	0	1,000	4 wells per section located no closer than 1,320' to another well producing from the same horizon (Order 7-89).
Swift		2	0	3,009	Field enlargements (Orders 64-78, 157-81 and 6-89). Field reductions (Order 61-91, 6-95). Include Sunburst and Swift formations in 3 sections, 4 wells per formation per section with 660' setbacks, 1320' from any other well
	2016	Production:	0	34,762	producing from same formation, 75' topographic or geologic tolerance (Order 72-91).
Dunmore					Post-1986 Gas Production (MCF): 554,759
Belle Fourche		13	0	46,937	
	2016	Production:	0	46,937	
<b>Dutch Henry</b>					Cumulative Oil Production (Bbls): 104,164
					Statewide plus two designated 160-acre spacing units (Orders 95-94 and 96-94).
<b>Dutch John Coulee</b>					Cumulative Oil Production (Bbls): 379,631 Post-1986 Gas Production (MCF): 2,080,444
Sunburst		4	6,641	41,150	Sunburst sand unitization and gas repressuring project approved; operator may drill additional wells anywhere in
	2016	Production:	6,641	41,150	unit but no closer than 330' to unit boundaries (Order 27-88).
Dwyer					Cumulative Oil Production (Bbls): 10,927,610 Post-1986 Gas Production (MCF): 1,296,892
Ratcliffe		4	18,632	3,379	160-acre Madison spacing units; well location in center of SE 1/4 of spacing units with 175' topographic tolerance
Nisku		1	3,264	1,429	(Orders 25-60, 29-61). Field reduction (Order 30-85). Single 320-acre Nisku spacing unit (Order 30-87). Waterflood (Order 20-68). Single Red River spacing unit with 2 wells (Order 97-83). Single 320-acre Winnipegosis spacing
Red River		1	6,444	0	unit (Order 10-91). Exception to produce Ratcliffe (Order 60-96). Duperow spacing unit, NE Sec. 11, NW Sec. 12,
	2016	Production:	28,340	4,808	32N-58E (Order 28-98). Expanded enhanced recovery project certification (Order 60-03). Remove 32N-59E-17 from field delineation (Order 45-09).
Eagle					Cumulative Oil Production (Bbls): 2,516,549 Post-1986 Gas Production (MCF): 960,887
Madison		3	3,713	4,474	Statewide.
Mission Canyon		1	2,209	0	
Ratcliffe		1	0	0	
Ratcliffe, Mission Canyon		1	1,730	11	
	2016	Production:	7,652	4,485	
Eagle Spring					Cumulative Oil Production (Bbls): 39 Post-1986 Gas Production (MCF): 321,818
Bow Island		4	0	1,931	One well per governmental section per zone, located no closer than 990' to section line for all gas zones above the
Bow Island, Sunburst		1	0	471	top of the Rierdon Formation; commingling of Swift and Sunburst permissible (Orders 4-78, 19-79). Enlargement
	2016	Production:	0	2,402	(Order 20-93).
East Glacier					Cumulative Oil Production (Bbls): 53,682 Post-1986 Gas Production (MCF): 10,016
Cone Calcareous Member		1	1,761	928	160-acre spacing units for Greenhorn (Order 41-81). Enlarge field and designation of 80-acre spacing units;
	2016	Production:	1,761	928	permitted well to be located no closer than 330' to the exterior boundaries (Order 112-81).
Elk Basin					Cumulative Oil Production (Bbls): 94,615,947 Post-1986 Gas Production (MCF): 16,230,334
Frontier		13	4,019	5,880	Spacing waived within unit areas (Order 10-61). Frontier: Water injection (Order 1-72). Embar-Tensleep pressure
Madison		18	119,692	49,456	maintenance by crestal gas injection. Waterflood approved in 1966 (Order 5-66). Madison: Water injection (Order 17 61). Frontier exception locations (Order 35, 36, 37 01). Frontier exception (Order 1 03)
Embar, Tensleep		24	196,128	478,915	17-61). Frontier exception locations (Orders 35-, 36-, 37-01). Frontier spacing unit (Order 1-02).
	2016	Production:	319,839	534,251	

	unit boundary and erance (Orders 43-63): 163,491,972 D-acre or 1280-acre
Cloverly   Addison	erance (Orders 43-63 7): 163,491,972 0)-acre or 1280-acre
Madison   2016   Production   23,386   17,243   28-64).   Embar-Tensleep waterflood (Order 3-67, 6-74).	T): 163,491,972 D-acre or 1280-acre
Madison   2016   Production   23,386   17,243	)-acre or 1280-acre
Cumulative Oil Production (Bbls): 167,759,371   Post-1986 Gas Production (MCF Statewide)   Post-1986 Gas Prod	)-acre or 1280-acre
Lodgepole	)-acre or 1280-acre
Bakken         876         8,426,668         13,746,156         spacing units and includes lands with existing field names applicable to other formations.           Red River         1         1,334         1,061           2016         Production         8,429,742         13,753,382           Cumulative Oil Production (Bbls): 29,686,370 Post-1986 Gas Production (MCF Bakken Production (MCF Production Production (Bbls): 29,686,370 Post-1986 Gas Production (MCF Production Production Production (Bbls): 29,686,370 Post-1986 Gas Production (MCF Production Production Production (Bbls): 29,686,370 Post-1986 Gas Production (MCF Production Production Production (Bbls): 29,686,370 Post-1986 Gas Production (MCF Production Production Production (Bbls): 29,686,370 Post-1986 Gas Production (MCF Production Production Production Production (Bbls): 29,686,370 Post-1986 Gas Production Product	
Red River	
Production   R429,742   13,753,382	): 25,256,336
Cumulative Oil Production (Bbls): 29,686,370   Post-1986 Gas Production (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation (MCF Non-delineated area with individual spacing orders for production from the Bakken Formation in the Bakke	): 25,256,336
Bakken         252         4,282,459         4,845,196         Non-delineated area with individual spacing orders for production from the Bakken Formation           Three Forks         18         189,689         184,650           2016         Production:         4,472,148         5,029,846           Enid, North         4         31,856         51,196         Cumulative Oil Production (Bbls):         1,308,782         Post-1986 Gas Production (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather for the section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather for the section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feather field, NE 1/4 of Section 10	): 25,256,336
Three Forks         18         189,689         184,650         Cumulative Oil Production (Bbls):         1,308,782         Post-1986 Gas Production (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Ference Formation (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feren	
Production   4,472,148   5,029,846	
Enid, North         Cumulative Oil Production (Bbls): 1,308,782         Post-1986 Gas Production (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Fermion (MCF Spaced for one-well Red River field, NE 1/4 of Se	
Red River         4         31,856         51,196         Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 11, T23N, Feed for one-well Red River field, NE 1/4 of Section 11, T23N, T23N, T24N, T24N, T24N, T24N	
Epworth   Statewide   Fost-1986 Gas Production (MCF Statewide   Fost-1	i): 1,359,723
Epworth Bakken  1 1,359 0 2016 Production: 1,359 0  Ethridge Bow Island Swift 9 0 33,041 2016 Production: 0 36,340  Ethridge, North  Cumulative Oil Production (Bbls): 130,486 Post-1986 Gas Production (MCF Statewide.  Post-1986 Gas Production (MCF enlarged (Order 4-92).  Post-1986 Gas Production (MCF enlarged (Order 4-92).  Post-1986 Gas Production (MCF enlarged (Order 4-92).	•
Bakken         1         1,359         0         Statewide.           Ethridge         Post-1986 Gas Production (MCF Bow Island Swift           5 Swift         9         0         33,299 and 33,041         320-acre spacing units for Swift Formation; well locations no closer than 660' to unit boundarie enlarged (Order 4-92).           Ethridge, North         2016 Production:         0         36,340         96,340         96,363	
Bakken 1 1,359 0 Statewide.  Ethridge Bow Island Swift 9 0 33,041 enlarged (Order 4-92).  Ethridge, North  Statewide.  Statewide.  Statewide.  Post-1986 Gas Production (MCF enlarged (Order 4-92).  Post-1986 Gas Production (MCF enlarged (Order 4-92).	i): 44,318
Ethridge  Bow Island Swift  2016 Production: 0 36,340  Ethridge, North  Post-1986 Gas Production (MCF of Swift Formation; well locations no closer than 660' to unit boundarie enlarged (Order 4-92).  Post-1986 Gas Production (MCF of Swift Formation)	, ,
Bow Island Swift 9 0 33,041 enlarged (Order 4-92).  Ethridge, North  1 0 3,299 9 0 33,041 enlarged (Order 4-92).  Post-1986 Gas Production (MCF)	
Bow Island Swift 9 0 33,041 enlarged (Order 4-92).  Ethridge, North  1 0 3,299 9 0 33,041 enlarged (Order 4-92).  Post-1986 Gas Production (MCF)	i): 2,397,458
Swift         9         0         33,041         enlarged (Order 4-92).           Ethridge, North         9         0         36,340    Post-1986 Gas Production (MCF)	, , ,
2016 Production: 0 36,340  Ethridge, North Post-1986 Gas Production (MCF	(0.00. 1.00).
	i): 463,708
Bow Island 4 0 2,597 320-acre spacing units for horizons above Rierdon; well location to be no closer than 660' to u	•
2016 Production: 0 2.597 Section 2, T33N, R4W to remain a 640-acre spacing unit (Order 98-81). Designation of a 640	
Third Bow Island Sand gas production (Order 66-93).	
Fairview Cumulative Oil Production (Bbls): 10,693,541 Post-1986 Gas Production (MCF	(i): 4,242,309
Mission Canyon 2 2,581 209 160-acre spacing units; wells located no closer than 660' to unit boundary (Orders 48-65, 1-6'	
Ratcliffe 3 3,411 1,560 84). Field reduction (Order 119-84). Enlargement (Order 16-87). Northwest part of field uniting (Order 14-70). Specime expectation (Order 14-70). Specime expectation (Order 14-70).	zed for gas injection
Duperow 1 5,740 2,233 (Order 11-70). Spacing exception, 25N-58E-14:SE (Order 143-00).	
Red River 2 24,046 4,222	
Ratcliffe, Mission Canyon 1 4,083 2,254	
2016 Production: 39,861 10,478	
Fairview, East  Cumulative Oil Production (Bbls): 532,463 Post-1986 Gas Production (MCF 320-acre designated Red River spacing units (Order 76-81).	7): 186,283
Fairview, West Cumulative Oil Production (Bbls): 629,792 Post-1986 Gas Production (MCF	i): 244,135
Madison 1 80 0 Statewide.	, ,
Ratcliffe 2 3,745 1,969	
2016 Production: 3,825 1,969	

Field, Reported Formation	i	# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Fertile Prairie					Cumulative Oil Production (Bbls): 807,540 Post-1986 Gas Production (MCF): 75,495 80-acre north-south Red River spacing units; location in NW 1/4 and SE 1/4 of quarter section with 75' topographic tolerance (Orders 3-56, 7-62). Amended to provide well locations for each 80-acre spacing unit to be the center of the SW or NE quarter quarter section of each quarter section with 75' tolerance for surface obstructions (Order 65-80). Field enlargement (Order 70-94). Field rules vacated for Red River Formation (East Lookout Butte (Red River) unit, Order 70-95).
Fiddler Creek					Cumulative Oil Production (Bbls): 4,009 Post-1986 Gas Production (MCF): 2,764 Statewide.
Fishhook					Cumulative Oil Production (Bbls): 1,563,968 Post-1986 Gas Production (MCF): 383,227
Nisku		1	3,087	2,375	Statewide.
Red River		2	8,141	6,494	
Ratcliffe, Mission Canyon		1	2,268	0	
•	2016	Production:	13,496	8,869	
Fitzpatrick Lake			·		Cumulative Oil Production (Bbls): 257 Post-1986 Gas Production (MCF): 2,191,072
Bow Island		9	0	25,010	One well per governmental section located no closer than 990' to section line for all gas zones above the top of the
Sunburst		1	0	2,350	Kootenai (Order 31-79). Field enlarged (Orders 113-84 and 2-92). Authorization to complete two Swift Formation
	2016	Production:	0	27,360	gas wells in Sec. 10, T36N, R4W (Order 50-93). Sec. 14 & 15, T36N, R4W delineated for formations about
Flat Coulee					Cumulative Oil Production (Bbls): 5,954,808 Post-1986 Gas Production (MCF): 1,243,252
Bow Island		2	0	985	Bow Island Gas: wells to be 330' from boundary of legal subdivision and 1,320' from other wells in same reservoir
Dakota		1	0	1,822	(Orders 36-54, 16-55). Sawtooth/Swift oil: 40-acre spacing units; well in center of spacing unit with 150'
Swift		10	13,308	1,113	topographic tolerance (Orders 16-62, 19-63). Waterflood unit and redelineation approved for Swift sandstone (Orders 13-71, 17-A-71, 22-71).
Bow Island, Dakota		1	0	334	(Olders 13-71, 17-74-71, 22-71).
	2016	Production:	13,308	4,254	
Flat Coulee, East					Post-1986 Gas Production (MCF): 41,628
Spike Zone, Blackleaf Fm.		1	0	2,808	Single160-acre spacing unit, 37N-6E-19: NW/4, for gas production from the McQuigg 1-19 well (Order 351-2004).
•	2016	Production:	0	2,808	
Flat Lake					Cumulative Oil Production (Bbls): 23,460,740 Post-1986 Gas Production (MCF): 3,959,780
Ratcliffe		7	32,353	515	160-acre Madison spacing units; well location in center of NE 1/4 of quarter section with 200' topographic tolerance
Bakken		13	69,403	39,955	wells no closer than 961' to North Dakota state line and no closer than 1,600' to Canadian line (Orders 10-65,
Nisku		4	21,978	3,453	amended; 43-65, 23-66, 33-66). Unit operation for eastern part of field (Order 7-71). Unit operation for western
Nisku	2016	Production:	123,734	43,923	part of field (Order 32-74). Lower Ratcliffe pemanent spacing unit NE/4 Sec. 13 and NW/4 Sec. 18, 37N-57E (Order 22-97). Nisku unit approved (Orders 112-00, 118-00, 62-03). E. Flat Lake Unit, expanded unit certified (Order 61-03).
Flat Lake, East					Cumulative Oil Production (Bbls): 332,358 Post-1986 Gas Production (MCF): 52,362
Madison		1	7,665	2,294	Single 160-acre Madison spacing unit (Order 103-84).
	2016	Production:	7,665	2,294	
Flat Lake, South					Cumulative Oil Production (Bbls): 1,292,128 Post-1986 Gas Production (MCF): 22,374 160-acre spacing units for Ratcliffe (Order 2-67); Wells may be located anywhere within the spacing unit but no closer than 660' to any unit boundary (Order 49-80).

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Flaxville					Cumulative Oil Production (Bbls): 56,283 Post-1986 Gas Production (MCF): 1,414  160-acre Madison spacing units; permitted wells to be no closer than 660' to the exterior boundaries of the unit (Order 105-82). 150' tolerance for topographic reasons (Order 124-82).
Forks Ranch					
					80-acre spacing units for the production of gas from coals within the Fort Union Fm.; 220' setback (Order 383-2006)
Fort Conrad					Post-1986 Gas Production (MCF): 767,041
					640-acre spacing units for Bow Island gas production; wells no closer than 990' to the section line (Order 19-81). Field enlargement (Order 118-82).
Fort Gilbert					Cumulative Oil Production (Bbls): 2,790,307 Post-1986 Gas Production (MCF): 684,758
Madison		2	4,035	2,513	160-acre Ratcliffe/Mission Canyon spacing units; wells no closer than 660' to unit boundary with 150' topographic
Mission Canyon		1	154	140	tolerance (Order 94-81). Excess produced associated gas reinjected into Duperow Formation (Order 78-81).
Red River		1	5,572	0	
Ratcliffe, Mission Canyon		1	1,735	2,527	
	2016	Production:	11,496	5,180	
Four Buttes					Cumulative Oil Production (Bbls): 42,391 Single spacing unit for production from McGowan (Order 15-98).
Four Mile Creek					Cumulative Oil Production (Bbls): 544,890 Post-1986 Gas Production (MCF): 90,401
Ratcliffe		1	1,326	281	320-acre spacing units for Red River (Order 43-75). Field reduction (Order 10-83).
	2016	Production:	1,326	281	
Four Mile Creek, West					Cumulative Oil Production (Bbls): 695,626 Post-1986 Gas Production (MCF): 328,458
Red River		1	10,557	4,129	Statewide.
	2016	Production:	10,557	4,129	
Fourmile East					
					80-acre spacing units for production of gas from coals within the Fort Union Fm.; 220' setback (Order 398-2006).
Fox Creek					Cumulative Oil Production (Bbls): 318,254 Post-1986 Gas Production (MCF): 147,003
Red River		1	3,461	0	Statewide.
	2016	Production:	3,461	0	
Fox Creek, North					Cumulative Oil Production (Bbls): 75,398 Post-1986 Gas Production (MCF): 5,813
					160-acre spacing units for Madison Formation; wells no closer than 660' to the unit boundary with 150' topographic tolerance (Order 13-84).
Fox Lake					Cumulative Oil Production (Bbls): 53,192 Post-1986 Gas Production (MCF): 110,816
Red River		1	1,543	8,082	Single spacing unit, Red River Formation, 22N-55E-28: W/2 and 29: E/2 (Order 38-2005).
	2016	Production:	1,543	8,082	
Frannie					Cumulative Oil Production (Bbls): 773,613 Post-1986 Gas Production (MCF): 107
					10-acre spacing units; well location in center of each unit with 100' topographic tolerance (Order 35-63). Unitized for waterflood of Phosphoria-Tensleep formations using produced fluids (Order 21-70). EOR approved (Order 62-85).

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Fred & George Creek					Cumulative Oil Production (Bbls): 14,067,204 Post-1986 Gas Production (MCF): 822,544
Bow Island		3	0	15,174	Sunburst Oil: 40-acre spacing units; well location in center of unit with 250' topographic tolerance (Orders 29-63,
Sunburst		34	33,166	501	65, amended by Order 27-65). Sunburst Gas: same as Arch Apex (Order 4-60). Several Sunburst A and B San
Swift, Sunburst		1	101	0	waterflood units in field and area (Orders 13-70, 27-71, 40-80, 43-93, 44-93, 60-93, 64-93).
	2016	Production:	33,267	15,675	
Fresno					Post-1986 Gas Production (MCF): 5,218,854
Eagle		6	0	29,408	640-acre spacing units for Eagle (Virgelle) and shallower horizons; wells located no closer than 990' to unit
Niobrara		17	0	74,971	boundary; one well per spacing unit per horizon (Order 14-76). Field enlargement and modification of field rules
	2016	Production:	0	104,379	within certain areas (Order 52-80).
Frog Coulee					Cumulative Oil Production (Bbls): 378,196 Post-1986 Gas Production (MCF): 509,446
					320-acre Red River spacing units; wells no closer than 660' to the unit boundary (Order 55-79).
Froid, South					Cumulative Oil Production (Bbls): 459,379 Post-1986 Gas Production (MCF): 144,549 Statewide.
Gage					Cumulative Oil Production (Bbls): 692,002
Amsden		2	1,927	0	40-acre Amsden spacing units; well to be in center of each unit with a tolerance of 150' for topographical or
	2016	Production:	1,927	0	geological reasons (Order 120-80). Field enlargement (Order 44-81).
Galata					Post-1986 Gas Production (MCF): 1,660,337
Bow Island		3	0	2,151	Two wells from same Bow Island horizon per section no closer than 1,320' to each other and 990' to section lines
	2016	Production:	0	2,151	(Order 28-85). Field enlarged (Orders 21-84, 41-85 and 76-85). Four wells per section authorized (Order 18-01).
Gas City					Cumulative Oil Production (Bbls): 13,555,518 Post-1986 Gas Production (MCF): 1,097,096
Siluro-Ordovician		18	89,183	32,580	80-acre spacing units consisting of E 1/2 and W 1/2 of quarter sections; well location in NW 1/4 and SE 1/4 of
Red River		1	11,831	2,322	quarter section; 150' topographic tolerance; spacing waived in unitized portion of field (Order 29-62). Waterflood
	2016	Production:	101,014	34,902	(Order 16-69). Field reduction (127-03, 150-03).
Gas Light					Post-1986 Gas Production (MCF): 1,531,771
Eagle		13	0	9,777	Delineated, Eagle Formation, 640-acre spacing units with up to 4 wells per section; 660' setback from spacing ur
	2016	Production:	0	9,777	boundaries (Order 149-01).
Gettysburg					Cumulative Oil Production (Bbls): 304 Statewide.
Gildford, North					Post-1986 Gas Production (MCF): 32,253
					320-acre spacing units for Sawtooth production with no well closer than 660' to spacing unit boundary (Orders 9-38-76, 9-79). Eagle Spacing unit S2 33N-11E-6, N2 33N-11E-7 (Order 220-02). Sawtooth spacing unit S2 S2 33 11E-6, N2 N2 33N-11E-7 (Order 33-03).
Girard					Cumulative Oil Production (Bbls): 750,380 Post-1986 Gas Production (MCF): 295,812
Bakken		2	1,774	0	Statewide, plus Bakken spacing unit comprised of 24N-55E-11: All, 2 horizontal wells authorized (Order 146-01).
	2016	Production:	1,774	0	· · · · · · · · · · · · · · · · · · ·
Glendive					Cumulative Oil Production (Bbls): 15,604,575 Post-1986 Gas Production (MCF): 649,089
Ottoma Onderdelen		5	47,446	6,531	80-acre spacing units consisting of any two adjacent quarter-quarter sections; wells located in center of NE 1/4 a
Siluro-Ordovician					
Red River		6	26,908	89	SW 1/4 of each quarter section with 75' topographic tolerance (Orders 27-55, 19-62, 58-62, 20-66). Additional 80 acre spacing units; commingling of Red River and Madison formations (Order 95-84). Additional Red River

Subburist, Dakota   1   748   0   640-acre spacing for Plow Island and Swift, well location in any quarter-quarter section cornering on center of Subburist, Dakota   772	Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Dakota   1   46   0   640-acre spacing for Bow Island and Swift, well location in any quarter-quarter section comering on center of substruction, but in the production of the production of the production of Brown Island and Swift, well location in any quarter-quarter section comering on center of substruction, but in the production of Brown Island and Swift, well location in any quarter-quarter section comering on center of substruction, but in the production of Brown Island and Swift, well location in any quarter-quarter section comering on center of substruction of Production (Bbr): 125,430   Post-1986 Gas Production (MCF): 2,682, 150   Post-1986 Gas Production (MCF): 2,682, 150   Post-1986 Gas Production (MCF): 10,000	Glendive, South					,
Sumburst, Dakota   1	Gold Butte					Cumulative Oil Production (Bbls): 5,892 Post-1986 Gas Production (MCF): 18,459
Company   Comp	Dakota		1	46	0	640-acre spacing for Bow Island and Swift, well location in any quarter-quarter section cornering on center of
Communication   Communicatio	Sunburst, Dakota		1	726	0	section (Order 26-59). Amended field boundary (Order 43-77).
Page		2016	Production:	772	0	
Pronuter Greyhull   Production   Productio	Golden Dome					Cumulative Oil Production (Bbls): 125,430 Post-1986 Gas Production (MCF): 2,669,596
Groybull	Eagle		1	0	1,407	Originally 160-acre spacing for Judith River, Claggett, and Eagle (Virgelle); wells to be 660' from spacing unit
Computative Oil Production (Bbis):   1,905,619   Post-1986 Gas Production (MCF):   520,136   520   5	Frontier		4	110	17,886	
Compact   Comp	Greybull		2	0	28,150	inclusion of Frontier and Greybull formations (Order 135-82).
Rateliffe	•	2016	Production:	110	47,443	
Seal River	Goose Lake					Cumulative Oil Production (Bbls): 10,905,619 Post-1986 Gas Production (MCF): 520,309
Corder 1-82). North Goose Lake Unit waterflood (Order 17-72).	Ratcliffe		7	17,371	4,943	160-acre spacing units for Ratcliffe Formation (Order 42-63). Field enlarged (Orders 40-66, 47-67, 16-68). Refer to
Commission   Com	Red River		1	12,680	18,904	said orders for authorized well locations. Field size reduced (Order 29-77). Single spacing unit for Red River
Red River   1,405   632   Two 320-acre spacing units for Red River Formation (Orders 1-82, 56-96). Red River D' zone excluded from 56-96 (Order 41-97).		2016	Production:	30,051	23,847	(Order 1-82). North Goose Lake Unit waterflood (Order 17-72).
Red River         1         1,405         632         Two 320- acre spacing units for Red River Formation (Orders 1-82, 56-96). Red River 'D' zone excluded from 56-96 (Order 41-97).           Goose Lake, East         Cumulative Oil Production (Bbls): 4,52           Goose Lake, West         Cumulative Oil Production (Bbls): 790,258         Post-1986 Gas Production (MCF): 156,66         156,86           Red River         1         4,875         1,971         Statewide, plus single Red River spacing unit (Order 100-98).         Post-1986 Gas Production (MCF): 186,87         156,87           Red River         1         1         100         0         0         0         0         0         0         156,98         Post-1986 Gas Production (MCF): 186,98         186,9	Goose Lake Red River					Cumulative Oil Production (Bbls): 91,165 Post-1986 Gas Production (MCF): 15,424
Consect   Computative   Comp	Red River		1	1,405	632	
Substitute   Sub		2016	Production:	1,405	632	
Substrict   Subs	Goose Lake, East					Cumulative Oil Production (Bbls): 4.522
Red River   1						320-acre N/2 and S/2 spacing units for production from Red River Fm. 660' setback from spacing unit boundaries
Consect   Froduction   4,875   1,971	Goose Lake, West					Cumulative Oil Production (Bbls): 790,258 Post-1986 Gas Production (MCF): 156,980
Cumulative Oil Production (Bbls):	Red River		1	4,875	1,971	Statewide, plus single Red River spacing unit (Order 100-98).
Ratcliffe 1 100 0 0 Statewide.  Graben Coulee		2016	Production:	4,875	1,971	
Graben Coulee  Cut Bank Sunburst Cut Bank, Madison Cut Bank, Sunburst Cut Bank, Sunburst Cut Bank, Sunburst Cut Bank Sunburst Cut Bank Sunburst Cut Bank Sunburst Cut Bank, Madison Cut Bank, Madison Cut Bank, Sunburst Cut Bank Sunburst Cut Bank Sunburst Cut Bank, Sunburst Cut Bank Sunburst Sunburst Bow Island Sunburst	Gossett					Cumulative Oil Production (Bbls): 428,490 Post-1986 Gas Production (MCF): 86,948
Graben Coulee  Cut Bank Sunburst Sunbur	Ratcliffe		1	100	0	Statewide.
Cut Bank Sunburst 5 1,815 0 Madison - Oil: 330' from boundary of legal subdivision boundary. Cut Bank Sunburst 5 1,815 0 Madison - Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same of Cut Bank, Sunburst 1 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2016	Production:	100	0	
Sunburst 5 1,815 0 Madison - Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62).	Graben Coulee					Cumulative Oil Production (Bbls): 2,754,218 Post-1986 Gas Production (MCF): 37,891
Sunburst 5 1,815 0 Madison - Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62). Waterflood of Cut Bank same reservoir and of lease; 75' topographic tolerance; 5-spot location on 40-acre tract (Order 73-62).	Cut Bank		32	9,307	0	Sunburst - 40-acre spacing units; well location no closer than 330' to legal subdivision boundary. Cut Bank and
Cut Bank, Madison         6         3,124         0         (Order 61-83).           Cut Bank, Sunburst         1         30         0           2016 Production:         14,276         0           Cumulative Oil Production (Bbls):         126,565         Post-1986 Gas Production (MCF):         2,726,1           Bow Island         7         0         13,438         320-acre spacing units for all gas producing horizons, aligned in a north-south direction; well location no close spacing units, NE & SE, 34N-4E-15 (Order 107-02 Additional wells (Order 38-03). Enlargement (Orders 123-02, 242-03). Permanent spacing unit, 34N-4E-4-W 5-E2SE, 8-E2NE, 9-W2NW, two wells authorized (Order 111-03). Permanent spacing unit, 34N-4E-8, W2NE 5-E2SE, 8-E2NE, 9-W2NW, two wells authorized (Order 243-03).           Bow Island, Sunburst, Swift         1         5,304         0         SE, two wells + two wells in W2 of Sec. 8 (Order 243-03).			5	•	0	Madison - Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and on same
Cut Bank, Sunburst  1 30 0  2016 Production: 14,276 0  Cumulative Oil Production (Bbls): 126,565 Post-1986 Gas Production (MCF): 2,726,1  Bow Island  7 0 13,438 320-acre spacing units for all gas producing horizons, aligned in a north-south direction; well location no close Sunburst  Sawtooth  Sawtooth  Bow Island, Sunburst, Swift  1 5,304 0 55,047 Sec. 8 (Order 38-03). Enlargement (Orders 123-02, 242-03). Permanent spacing unit, 34N-4E-8, W2NE 5-E2SE, 8-E2NE, 9-W2NW, two wells authorized (Order 111-03). Permanent spacing unit, 34N-4E-8, W2NE 5-E2SE, 8-E2NE, 9-W2NW, two wells in W2 of Sec. 8 (Order 243-03).	Cut Bank, Madison		6	3,124	0	, 101
Grandview  Bow Island Sumburst Sawtooth Bow Island, Sunburst, Swift  The production of Production of Production (Production (Bbls): 126,565 Post-1986 Gas Production (MCF): 2,726,71 Pr	Cut Bank, Sunburst		1	30	0	(Order 61-63).
Bow Island 7 0 13,438 320-acre spacing units for all gas producing horizons, aligned in a north-south direction; well location no close Sunburst 1 2,859 0 660' to a spacing unit boundary (Order 49-67). 160-acre spacing units, NE & SE, 34N-4E-15 (Order 107-02 Additional wells (Order 38-03). Enlargement (Orders 123-02, 242-03). Permanent spacing unit, 34N-4E-8, W2NE 5-E2SE, 8-E2NE, 9-W2NW, two wells authorized (Order 111-03). Permanent spacing unit, 34N-4E-8, W2NE SE, two wells + two wells in W2 of Sec. 8 (Order 243-03).	•	2016	Production:	14,276		
Bow Island 7 0 13,438 320-acre spacing units for all gas producing horizons, aligned in a north-south direction; well location no close Sunburst 1 2,859 0 660' to a spacing unit boundary (Order 49-67). 160-acre spacing units, NE & SE, 34N-4E-15 (Order 107-02 Additional wells (Order 38-03). Enlargement (Orders 123-02, 242-03). Permanent spacing unit, 34N-4E-8, W2NE 5-E2SE, 8-E2NE, 9-W2NW, two wells authorized (Order 111-03). Permanent spacing unit, 34N-4E-8, W2NE SE, two wells + two wells in W2 of Sec. 8 (Order 243-03).	Grandview					Cumulative Oil Production (Bbls): 126,565 Post-1986 Gas Production (MCF): 2,726,104
Sunburst 1 2,859 0 660' to a spacing unit boundary (Order 49-67). 160-acre spacing units, NE & SE, 34N-4E-15 (Order 107-02 Additional wells (Order 38-03). Enlargement (Orders 123-02, 242-03). Permanent spacing unit, 34N-4E-8, W2NE 5-E2SE, 8-E2NE, 9-W2NW, two wells authorized (Order 111-03). Permanent spacing unit, 34N-4E-8, W2NE SE, two wells + two wells in W2 of Sec. 8 (Order 243-03).			7	0	13,438	320-acre spacing units for all gas producing horizons, aligned in a north-south direction; well location no closer that
Sawtooth 1 0 5,047 Additional wells (Order 38-03). Enlargement (Orders 123-02, 242-03). Permanent spacing unit, 34N-4E-4-W 5-E2SE, 8-E2NE, 9-W2NW, two wells authorized (Order 111-03). Permanent spacing unit, 34N-4E-8, W2NE SE, two wells + two wells in W2 of Sec. 8 (Order 243-03).			1	-	,	660' to a spacing unit boundary (Order 49-67). 160-acre spacing units, NE & SE, 34N-4E-15 (Order 107-02).
Bow Island, Sunburst, Swift 1 5,304 0 SE, two wells + two wells in W2 of Sec. 8 (Order 243-03).			1	•	-	Additional wells (Order 38-03). Enlargement (Orders 123-02, 242-03). Permanent spacing unit, 34N-4E-4-W2SW,
			1	-	-	
2016 Production: 8.163 18.485	,,	2016	Production:	8,163	18,485	52, 110 115.5 . The field in 112 of 655. 5 (6145) 2 to 65).

		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Grandview, East					Cumulative Oil Production (Bbls): 75,545
Swift		2	732	0	Statewide.
	2016	Production:	732	0	
Gray Blanket					Cumulative Oil Production (Bbls): 552,432
Tensleep		2	7,448	0	40-acre spacing units for Tensleep Formation. Wells located no closer than 330' to spacing unit boundary with 15
	2016	Production:	7,448	0	tolerance upon administrative approval (Order 20-92).
Grebe					Cumulative Oil Production (Bbls): 96,070 Post-1986 Gas Production (MCF): 1,376
Tyler		1	2,585	0	Tyler secondary recovery unit approved (Order 5-75).
	2016	Production:	2,585	0	
Green Coulee					Cumulative Oil Production (Bbls): 128,759
					160-acre spacing units for Ratcliffe Formation; locations no closer than 660' to unit boundaries, 150' tolerance for
					topographic or geologic reasons. 320-acre spacing units for the Red River Fm with location to be no closer than 660' to the unit boundary nor closer than 1,650' to any well producing from the Red River (Order 56-81).
Green Coulee, East					Cumulative Oil Production (Bbls): 220,945 Post-1986 Gas Production (MCF): 42,416
Ratcliffe		1	2,424	0	Delineated for production from Red River Formation with single 320-acre spacing unit (Order 99-82). Redelineatio
	2016	Production:	2,424	0	(Order 6-95). Reduction (Orders 108-02, 174-02).
Gumbo Ridge					Cumulative Oil Production (Bbls): 649,222 Post-1986 Gas Production (MCF): 503
Tyler		2	0	0	Tyler Formation waterflood unit (Order 54-79). Certified as an expanded enhanced recovery unit effective 1/1/95
, -	2016	Production:	0	0	(Order 6-95).
Gunsight					Cumulative Oil Production (Bbls): 1,094,022 Post-1986 Gas Production (MCF): 310,944
Madison		1	1,649	0	Statewide.
Ratcliffe		5	5,842	1,559	Statewide.
riatomic	2016	Production:	7,491	1,559	
Cumou Booin			.,	.,000	Cumulative Oil Breduction (Bhla). 595 107 Pact 1096 Con Breduction (MCE). 92 002
Gypsy Basin Madison		2	422	0	Cumulative Oil Production (Bbls): 525,107 Post-1986 Gas Production (MCF): 83,093  Sunburst-Swift - 330' from lease lines and 660' between wells in same formation; only two wells per quarter-quarte
Madison	2016	Production:	422	0	section (Order 7-66). Sawtooth-Madison oil and gas - 40-acre spacing units; wells no closer than 330' from lease
	2010	i roduction.	422	U	line (Orders 7-66, 12-79).
Hammond					Post-1986 Gas Production (MCF): 379,096
					320-acre spacing units for Muddy Formation; each unit shall consist of a regular half of a governmental section wit
					well location to be no closer than 660' to a unit boundary nor closer than 990' to the exterior boundaries of the field
					(Order 97-80).
Hardpan					Cumulative Oil Production (Bbls): 2,805 Post-1986 Gas Production (MCF): 1,767,303
•					Spacing one well per section for Kootenai and above. Well location no closer than 990' to the section boundary
					(Order 145-81). Field enlargement (Order 131-82). Allow 2 wells per spacing unit in Sections 15, 20 and 21, T27N
					R3E (Order 72-92). Allow 4 wells per section (Order 16-01). Field enlargement (Order 203-03).
Hardscrabble Creek					Cumulative Oil Production (Bbls): 170,566 Post-1986 Gas Production (MCF): 64,031 Statewide.
Цалиа					
Havre					Single spacing unit for production of gas from Eagle (Order 48-82).
Hawk Creek					Cumulative Oil Production (Bbls): 13,277
					Statewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Hawk Haven					Cumulative Oil Production (Bbls): 55,550 Post-1986 Gas Production (MCF): 5,356
					Single 320-acre Madison spacing unit (Order 101-94).
Hay Creek					Cumulative Oil Production (Bbls): 1,837,062 Post-1986 Gas Production (MCF): 432,565
Stonewall, Interlake		1	1,594	165	320-acre spacing for Red River, consisting of any two adjacent quarter sections; location no closer than 660' to uni
	2016	Production:	1,594	165	boundary (Orders 15-69, 27-73).
Haystack Butte					Post-1986 Gas Production (MCF): 773,710
Bow Island		10	0	18,542	640-acre spacing units; one well per producing horizon above Kootenai Formation no closer than 990' to spacing
	2016	Production:	0	18,542	unit boundary (Order 85-76). Amended field boundary (Order 37-77). Two gas wells per horizon in each spacing unit (Order 146-97).
Haystack Butte, West					Post-1986 Gas Production (MCF): 1,136,776
Bow Island		9	0	23,383	320-acre regular half-section spacing units for all formations above Rierdon; wells no closer than 660' to the unit
	2016	Production:	0	23,383	boundaries; commingling of production authorized as specified (Order 6-88). Field enlarged (Order 46-91).
Hell Coulee					Cumulative Oil Production (Bbls): 67,203 Post-1986 Gas Production (MCF): 14,179 Statewide.
Hellers Peak					
					80-acre spacing units for the production of gas from coals within the Fort Union Formation, 220' setback (Order 38 2006).
Hiawatha					Cumulative Oil Production (Bbls): 1,816,402 Post-1986 Gas Production (MCF): 15,132
Tyler		2	5,615	0	Statewide.
	2016	Production:	5,615	0	
Hibbard					Cumulative Oil Production (Bbls): 226,494 Statewide.
High Five					Cumulative Oil Production (Bbls): 3,625,645 Post-1986 Gas Production (MCF): 191,020
Stensvad		3	2,702	2,192	Spacing waived, unitized, and polymer-waterflood authorized (Order 110-80).
Tyler		3	37,677	2,155	
	2016	Production:	40,379	4,347	
Highline					Post-1986 Gas Production (MCF): 86,965 Single 640-acre spacing unit for Eagle and shallower horizons (Order 35-88).
Highview					Cumulative Oil Production (Bbls): 145,231
Sawtooth		1	226	0	160-acre spacing units, located no closer than 660' from spacing unit boundary; 150' topographic tolerance (Order
Madison		2	451	0	84-76). Orders 32-76, 84-76 and 63-82 are amended to provide as follows: 1. Permitted wells to the Moulton,
Nisku		1	271	0	Sunburst, Morrison, and Swift formations shall be no closer than 330' from the lease line nor closer than 660' to a
	2016	Production:	948	0	permitted well in the same formation with only two such wells per quarter quarter section with a 150' topographic tolerance. 2. Madison: (Gas) 160-acre spacing units with well location to be no closer than 660' from quarter
					section lines. 3. Madison: (Oil) 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance. 4. Sawtooth: (Oil and Gas) 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance (Order 136-82).
Hodges Creek					Cumulative Oil Production (Bbls): 19,093 Post-1986 Gas Production (MCF): 10,912
Red River		1	40	0	Single 640-acre permanent spacing unit for production from the Red River Fm. (Order 286-2006).
	2016	Production:	40	0	
Homestead					Cumulative Oil Production (Bbls): 303 Stastewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Honker					Cumulative Oil Production (Bbls): 117,078 Post-1986 Gas Production (MCF): 17,351 320-acre specified spacing units for Red River Formation; permitted well no closer than 660' to the unit boundary (Order 105-80). Single 160-acre Winnipegosis spacing unit (Order 82-81).
Horse Creek					Cumulative Oil Production (Bbls): 13,987
Swift		1	328	0	Statewide.
	2016	Production:	328	0	
Howard Coulee					Cumulative Oil Production (Bbls): 324,232
Tyler		1	4,251	0	Statewide.
Piper, Amsden		2	3,605	0	
	2016	Production:	7,856	0	
Ingomar					
Injun Creek					Cumulative Oil Production (Bbls): 144,966
Stensvad		1	5	0	Statewide.
	2016	Production:	5	0	
Intake II					Cumulative Oil Production (Bbls): 1,086,476 Post-1986 Gas Production (MCF): 369,023
Mission Canyon		1	4,454	2,859	320-acre spacing units for Red River Formation; permitted well to be located no closer than 660' from the unit
	2016	Production:	4,454	2,859	boundary (Order 99-81).
Ivanhoe					Cumulative Oil Production (Bbls): 5,131,579
Cat Creek, Second		1	468	0	40-acre spacing unit for production from any one formation; well location in center of unit with 200' topographic
Morrison		1	740	0	tolerance (Order 7-60 and 13-56). Field size reduced (Orders 27-89 and 29-89).
Tyler		3	25,630	0	
	2016	Production:	26,838	0	
Jack Creek					Cumulative Oil Production (Bbls): 1,310 Statewide.
Jim Coulee					Cumulative Oil Production (Bbls): 4,547,257 Post-1986 Gas Production (MCF): 34,599
Tyler		1	1,251	0	Unitized, no well to be drilled closer than 330' to unit boundary (Order 18-72).
	2016	Production:	1,251	0	
Johnson Lake					Cumulative Oil Production (Bbls): 574
					Single 640-acre spacing unit (37N-56E-17) for production from the Bakken Formation.
Katy Lake					Cumulative Oil Production (Bbls): 438,151 Post-1986 Gas Production (MCF): 626,941
Red River		1	30,273	24,307	Statewide.
	2016	Production:	30,273	24,307	
Katy Lake, North					Cumulative Oil Production (Bbls): 7,344,286 Post-1986 Gas Production (MCF): 2,809,218
Madison		3	12,140	13,809	Statewide except for single 320-acre Red River spacing unit (Order 88-84), and single 160-acre Mission Canyon
Mission Canyon		1	12,923	14,356	spacing unit (Order 89-84).
Ratcliffe		1	4,789	10,068	
Red River		2	57	579	
	2016	Production:	29,909	38,812	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Keg Coulee					Cumulative Oil Production (Bbls): 5,893,083 Post-1986 Gas Production (MCF): 361
Stensvad		1	1,697	0	40-acre spacing in southwest portion of field; spacing is waived in unitized portion (Orders 3-64, 4-64, 23-64). 80-
Tyler		3	2,058	0	acre spacing in remainder of field with variable pattern (Orders 11-60, 28-62). 40-acre spacing: W 1/2 E 1/2 and
Lower Tyler		1	2,771	0	W 1/2 Sec. 35-11N-30E; NW 1/4 Sec. 35-11N-30E; NW 1/4 Sec. 2-10N-30E (Order 23-72). Topographic tolerance varies from 100' to 250' (Order 11-60, 4-64, 23-64). Buffer zone waived (Order 16-65). Field reduction (Order 2-
	2016	Production:	6,526	0	76). Amended (Order 58-76). Three waterflood units (Orders 3-64, 28-66, 14-69). Expanded enhanced recovery unit approved effective 11/1/94 (Order 94-94).
Keg Coulee, North					Cumulative Oil Production (Bbls): 451,912
Tyler		1	10	0	40-acre Tyler Fm. spacing units with wells to be located at center of each spacing unit; 150' topographic tolerance
	2016	Production:	10	0	(Order 46-64). Field reduction (Order 59-76).
Keith Area					Post-1986 Gas Production (MCF): 911,287
Second White Specks		3	0	2,554	Statewide.
Bow Island		1	0	84	
Sawtooth		2	0	1,906	
Games	2016	Production:	0	4,544	
Keith, East			<del>-</del>	.,	Post-1986 Gas Production (MCF): 11,276,008
Niobrara		1	0	3,140	Statewide, except unitized portions spaced by Order 22-62. Amended to allow additional wells in Johns and Osler
Second White Specks		9	0	10,868	units (Order 52-95). Designation of 36N-6E-13 as spacing unit; no more than 4 wells for each Cretaceous Fm and
Bow Island		17	0	37,868	no more than 2 wells for each pre-Cretaceous Fm (Order 47-96). Kolhei Unit - no more than 4 wells for each
Sawtooth		4	0		Cretaceous Fm and no more than 2 wells for each pre-Cretaceous Fm (Order 48-96).
		4		12,944	
Second White Specks, Spike  2016 Pro	Production:	0	6 64,826		
	2016	FTOGUCTION.	0	04,020	
Kelley				_	Cumulative Oil Production (Bbls): 1,076,584 Post-1986 Gas Production (MCF): 3,326
Tyler		1	1,984	0	40-acre spacing units with well at center of spacing unit with a 250' topographic tolerance (Order 15-67). Waterflood using Third Cat Creek water (Orders 8-69, 51-76). Certified as an expanded enhanced recovery unit
	2016	Production:	1,984	0	effective 4/1/95 (Order 19-95).
Kevin Area					Statewide.
Kevin Southwest					Cumulative Oil Production (Bbls): 415 Post-1986 Gas Production (MCF): 6,304,035
Bow Island		1	0	6,048	320-acre half section spacing units lying north-south or east-west at operator's option; wells no closer than 660' to unit boundary for Sunburst-Swift formations and all formations above the top of the Kootenai (Orders 26-78, 47-78,
Dakota		8	0	27,966	48-78). Field enlargement (Orders 82-79, 96-79, 47-80, 163-81 and 41-89). 2 wells per horizon per spacing unit
Sunburst		6	0	12,085	(Order 68-99).
Swift		3	0	8,520	
Bow Island, Dakota, Sunburst		3	0	31,290	
Bow Island, Sunburst, Swift		2	0	3,508	
Bow Island, Dakota		3	0	10,335	
Bow Island, Sunburst		3	0	10,768	
Bow Island, Swift		1	0	5,870	
Sunburst, Dakota		2	0	7,994	
	2016	Production:	0	124,384	
Kevin Sunburst (Dakota)					Post-1986 Gas Production (MCF): 450,557
Dakota		1	0	1,513	Single spacing unit for gas production from Dakota (Order 45-90).
	2016	Production:	0	1,513	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Kevin Sunburst-Bow Island					Post-1986 Gas Production (MCF): 1,636,708
Bow Island		10	0	19,108	160-acre Bow Island spacing units; location no closer than 660' to spacing unit boundary (Orders 2-88, 60-88).
	2016	Production:	0	19,108	Field enlargement (Orders 17-88, 11-91, 123-01).
Kevin, East Bow Island Gas					Post-1986 Gas Production (MCF): 393,744
Bow Island		6	0	13,414	160-acre spacing units, one well no closer than 660' to spacing unit boundary per each producing zone, formation,
	2016	Production:	0	13,414	or horizon from top of the Blackleaf to top of Dakota (Order 3-92).
Kevin, East Gas					Post-1986 Gas Production (MCF): 694,925
Bow Island		2	0	17,400	320-acre designated spacing units for gas production from all horizons above the Rierdon Formation; 660' setback
Sunburst		1	0	7,467	from spacing unit boundaries, 1 well per horizon per spacing unit, commingling authorized (Order 23-85). Field
Bow Island, Sunburst, Swift		1	0	2,023	enlargements (Orders 29-86, 10-87, and 8-90).
	2016	Production:	0	26,890	
Kevin, East Nisku Oil				· · · · · · · · · · · · · · · · · · ·	Cumulative Oil Production (Bbls): 1,023,986 Post-1986 Gas Production (MCF): 1,719,987
Nisku		14	9,420	30,238	80-acre spacing units consisting of E 1/2 or W 1/2 of guarter section; wells in center of SW 1/4 or NE 1/4 of each
-	2016	Production:	9,420	30,238	quarter section with 200' geologic or topographic tolerance (Order 46-84). Field enlarged (Order 9-86). Single
	_0.0		0,120	33,233	spacing unit authorized to produce gas from the gas cap (Order 24-88). Exceptions to drill horizontal Nisku wells (Orders 29-97, 11-98). Exception to drill NW/4 SW/4, 35N-1E-31 (Order 70-97).
Kevin-Sunburst					Cumulative Oil Production (Bbls): 85,401,310 Post-1986 Gas Production (MCF): 14,685,324
Bow Island		34	0	49,886	Oil: 9 Wells per 40-acre tract; only 3 wells on any side of tract with set back at least 220' from line; Gas: Well to be
Burwash		7	932	0	no closer than 330' from the boundaries of any legal subdivision line, nor less than 2,400' from every other drilling
Cut Bank		1	0	26	or producible well on the same lease or unit (Orders 8-54, 28-55). Single spacing unit (Order 61-85). Field enlarged (Order 54-87). 160-acre Bow Island spacing units established (Orders 2-88, 17-88, and 60-88). Two 80-
Sunburst		117	36,941	49,228	acre spacing units for production of gas from all formations from surface to base of Sunburst Sandstone (Order 40-
Ellis		36	4,178	9,672	92). There are three waterfloods in operation using Madison water (Orders 9-64, 17-64, 30-64, 36-65). H2S, CO2
Swift		47	34,060	20,087	and produced water disposed into Madison (EPA-87). SWD approved EPA-84, 85, 86, 87, 88. Enhanced recovery approved EPA-88, 91, 92. Ferdig Swift Unit approved (Order 52-92).
Sawtooth		1	203	0	approved EFA-00, 91, 92. Terdig Swift Offic approved (Order 32-92).
Madison		764	155,322	88,284	
Nisku		1	0	1,192	
State A		1	0	271	
Bow Island, Dakota, Sunburst		2	0	7,788	
Bow Island, Sunburst, Swift		7	0	21,917	
Bow Island, Dakota		3	0	4,215	
Bow Island, Sunburst		8	0	24,153	
Bow Island, Swift		8	0	19,575	
Bow Island, Dakota, Kootenai, Su	ınburst	t 2	0	7,957	
Dakota, Kootenai		1	0	3,419	
Ellis, Madison		2	97	0	
Madison, Swift		1	0	4,315	
Madison, Sunburst		1	10	13	
Sunburst, Dakota		1	0	1,550	
Swift, Sunburst		8	0	20,067	
	2016	Production:	231,743	333,615	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Kevin-Sunburst Nisku Gas					Cumulative Oil Production (Bbls): 17 Post-1986 Gas Production (MCF): 1,904,166
Nisku		2	0	21,475	Nisku Gas: 640-acre spacing units; location no closer than 990' to spacing unit boundary (Order 83-76). Nisku
	2016	Production:	0	21,475	Oil: 80-acre spacing units; location no closer than 330' to spacing unit boundary (Order 7-86). Gas spacing unit comprised of N/2 and N/2 S/2 35N-1W-35 (Order 10-98).
Kicking Horse					Cumulative Oil Production (Bbls): 1,526 Post-1986 Gas Production (MCF): 2,810,636
Bow Island		11	0	49,691	320-acre spacing units for Madison and shallower horizons; location no closer than 660' to unit boundary and 990'
Sunburst		3	0	2,444	to field boundary (Order 17-74). Include additional lands and provide that 320-acre spacing units may be either the
	2016	Production:	0	52,135	N/2 & S/2 or E/2 & W/2 of section (Order 53-80). Enlargement (Order 245-04).
Kincheloe Ranch					Cumulative Oil Production (Bbls): 939,123 Post-1986 Gas Production (MCF): 128,729
Tyler		3	398	111	Statewide, plus two Tyler waterfloods (Orders 47-91 and 46-88).
•	2016	Production:	398	111	
Kinyon Coulee South					Post-1986 Gas Production (MCF): 1,121 Single Bow Island spacing unit with one well; location no closer than 990' to section line (Order 31-81).
Kippen Area, East					Cumulative Oil Production (Bbls): 150 Post-1986 Gas Production (MCF): 97,760 Statewide.
Krug Creek					Cumulative Oil Production (Bbls): 15,288  Delineated for production from Red River Fm; 320-acre spacing units, 660' setback from boundaries (Order 27-81).
Laird Creek					Cumulative Oil Production (Bbls): 646,647 Post-1986 Gas Production (MCF): 166,957
Swift		8	1,568	7,471	Waterflood authorized for Swift Formation (Order 25-74), commenced 2-25-77. Single 320-acre spacing unit for
Sunburst, Dakota		1	4	0	Swift gas production (Order 37-92).
•	2016	Production:	1,572	7,471	
Lake Basin					Cumulative Oil Production (Bbls): 473,639 Post-1986 Gas Production (MCF): 2,246,607
Eagle		5	0	15,557	160-acre spacing units to base of Virgelle; wells no closer than 660' to unit boundary and 990' to field boundary;
Telegraph Creek Formation		1	0	1,090	commingling with administrative approval (Order 9-74).
Virgelle Sandstone		1	0	1,087	
Muddy		1	0	15,229	
Eagle, Claggett, Virgelle		1	0	1,201	
Eagle, Virgelle		1	0	4,248	
	2016	Production:	0	38,412	
Lake Basin, North					Post-1986 Gas Production (MCF): 42,154
					640-acre spacing units for all productive horizons; locations 990' from section line (Orders 6-58, 3-74). 160-acre spacing units for Claggett and Eagle/Virgelle, wells located no closer than 660' to quarter section lines within restricted sections (Order 63-76). 160-acre spacing units for Frontier gas, 2N-21E, W/2 27 and NW/4 34, 660' external setback (Order 63-99).
Lake Francis					Post-1986 Gas Production (MCF): 1,990,679
Bow Island		25	0	29,155	Delineation, surface to top Kootenai, 160-acre spacing units, 660' setbacks, three designated spacing units (Order
	2016	Production:	0	29,155	342-2003).
Lakeside					Cumulative Oil Production (Bbls): 487 Statewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Lambert					Cumulative Oil Production (Bbls): 1,004,397 Post-1986 Gas Production (MCF): 570,479
Red River		1	22,317	19,876	320-acre Red River spacing units comprised of the E 1/2 and W 1/2 of section (Order 3-83).
	2016	Production:	22,317	19,876	
Lambert, North					Cumulative Oil Production (Bbls): 36,552 Statewide.
Lambert, South					Cumulative Oil Production (Bbls): 916,143 Post-1986 Gas Production (MCF): 226,647
Red River		2	18,387	4,112	Single Red River Formation Spacing Unit (Order 75-96).
	2016	Production:	18,387	4,112	
Lamesteer Creek					Cumulative Oil Production (Bbls): 31,845 Single Red River spacing unit (Order 101-84).
Landslide Butte					Cumulative Oil Production (Bbls): 959,999 Post-1986 Gas Production (MCF): 972,830
Madison		11	8,210	0	Statewide.
Sun River Dolomite		1	54	0	
	2016	Production:	8,264	0	
Lane					Cumulative Oil Production (Bbls): 2,038,887 Post-1986 Gas Production (MCF): 3,088,463
Red River		5	34,682	54,513	Statewide, plus single Red River spacing unit, 23N-54E-18: E2, with designated well (Order 153-01).
Stonewall, Red River		1	5,296	8,307	
·	2016	Production:	39,978	62,820	
Lariat					320-acre Eagle spacing with unit consisting of one-half section lying north-south or east-west; well no closer than 990' to unit boundary (Order 8-74). 32N-14E, Secs. 18, 19, 30 removed from field (Order 133-01).  Cumulative Oil Production (Bbls):  3,599  Single Red River Fm. Spacing unit.
I assert					
Laurel					Cumulative Oil Production (Bbls): 1,017  10-acre spacing units for Dakota Fm.; wells to be located in center of spacing unit with 75' topographic tolerance (Order 15-62).
Leary					Cumulative Oil Production (Bbls): 705,809 Post-1986 Gas Production (MCF): 112,211 40-acre spacing units for Muddy Fm.; wells located no closer than 330' to spacing unit boundary with 75' topographic tolerance (Order 115-84 which amended Orders 12-69, 19-70, and 68-76).
Ledger					Cumulative Oil Production (Bbls): 292 Post-1986 Gas Production (MCF): 3,988,417
Bow Island		36	0	65,108	640-acre Bow Island spacing; wells located no closer than 990' to section line; commingling upon administrative
	2016	Production:	0	65,108	approval (Order 53-77). Field enlargement and amendment to allow two wells per sand per section (Order 1-87).
Leroy					Post-1986 Gas Production (MCF): 7,490,321
Eagle		18	0	35,416	320-acre spacing for Judith River and Eagle/Virgelle with unit consisting of half sections lying north-south or east-
Judith River		1	0	6	west. Wells no closer than 660' to unit boundary and 990' to field boundary. (Order 19-75) 330' topographic
Judith River, Eagle		1	0	4,667	tolerance (Order 72-80). Field enlargement (Order 31-87).
-	2016	Production:	0	40,089	
Line Coulee					Cumulative Oil Production (Bbls): 57,789 Statewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Liscom Creek					Post-1986 Gas Production (MCF): 3,277,364
Shannon	<u></u>	4	0	42,962	Shannon spacing, one well per 640 acres located no closer than 990' to section boundary (Order 20-72).
	2016	Production:	0	42,962	
Lisk Creek					Cumulative Oil Production (Bbls): 1,963
					Statewide.
Lisk Creek, South					Cumulative Oil Production (Bbls): 60,421 Post-1986 Gas Production (MCF): 46,234
Red River		1	4,029	6,596	Statewide.
	2016	Production:	4,029	6,596	
Little Basin					Post-1986 Gas Production (MCF): 465,325
					640-acre Frontier spacing units; one well per section located no closer than 990' to spacing unit boundary (Order 27 86).
Little Beaver					Cumulative Oil Production (Bbls): 18,927,653 Post-1986 Gas Production (MCF): 673,180
Siluro-Ordovician		33	186,013	17,870	Spacing waived and General Rules suspended until unit agreement becomes inoperative (Order 41-62).
	2016	Production:	186,013	17,870	Waterflood of the Red River was commenced in August 1967 (Order 3-66). Little Beaver Unit certified as expanded enhanced recovery project (Order 10-01).
Little Beaver, East					Cumulative Oil Production (Bbls): 8,760,846 Post-1986 Gas Production (MCF): 1,344,781
Siluro-Ordovician		17	80,851	6,940	Same as for Little Beaver (Order 42-62). Waterflood of the Red River commenced in April 1965 (Order 33-64).
Red River		4	7,828	2,555	Little Beaver East Unit certified as expanded enhanced recovery project (Order 9-01). Tertiary project (Order 193-
	2016	Production:	88,679	9,495	04).
Little Creek					Post-1986 Gas Production (MCF): 1,777,570
Eagle		4	0	14,250	Statewide.
Virgelle Sandstone		2	0	5,341	
gene eaneest	2016	Production:	0	19,591	
Little Phantom					Cumulative Oil Production (Bbls): 58,500
					10-acre spacing units; well location no closer than 220' to the exterior boundary lines of the field nor closer than 440' to any well capable of or producing from the Sunburst Sands (Order 46-81).
Little Rock					Post-1986 Gas Production (MCF): 2,655,998
Blackleaf		2	0	1,228	320-acre N 1/2 and S 1/2 spacing units for Blackleaf and Bow Island; well location no closer than 990' to west line
Bow Island		1	0	8,017	of Section 14 and 660' to the remaining unit boundary lines (Order 40-78). Field enlargement (Orders 94-79 and 34
Lander		5	0	6,020	80). Allow two wells within each spacing unit no closer than 1,320' to each other and no closer than 660' to unit
Bow Island, Blackleaf		8	0	25,020	boundaries (Order 12-90). Two 320-acre spacing units for Lander Formation gas, 2 wells per spacing unit no closer than 1320' to another Lander formation well and 330' to the spacing unit boundary (Order 56-91). Enlarge for
	2016	Production:	0	40,285	Lander gas production (Order 48-93).
Little Wall Creek					Cumulative Oil Production (Bbls): 4,026,347 Post-1986 Gas Production (MCF): 219,463
Tyler		3	5,190	0	Little Wall Creek, Tyler Sand Unit (Order 40-84). Weisner Tyler Sand Unit approved (Order 65-91).
Tyler, Stensvad		1	4,513	0	
	2016	Production:	9,703	0	
Little Wall Creek, South					Cumulative Oil Production (Bbls): 1,613,196 Post-1986 Gas Production (MCF): 110,657
Tyler		3	6,194	0	South Little Wall Creek Unit waterflood (Order 85-83). Gunderson Tyler Sand Unit (Order 39-87; unit area reduced
•	2016	Production:	6,194	0	by Order 21-92). Hamilton-Gunderson Tyler Sand Unit (Order 22-92).
Lobo			-		Cumulative Oil Production (Bbls): 260,135 Post-1986 Gas Production (MCF): 182,091 Statewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Lodge Grass					Cumulative Oil Production (Bbls): 399,934 Statewide.
Lohman					Post-1986 Gas Production (MCF): 2,432,807
Eagle		2	0	3,634	640-acre Eagle spacing; one well per section located no closer than 990' from section line (Order 23-78).
	2016	Production:	0	3,634	Exception locations (Orders 109-01, 159-01). Field reduction (Order 173-04).
Lohman Area					Post-1986 Gas Production (MCF): 1,338,683
Niobrara		1	0	797	Statewide.
	2016	Production:	0	797	
Lone Butte					Cumulative Oil Production (Bbls): 1,030,003 Post-1986 Gas Production (MCF): 470,530
Red River		1	6,714	4,972	Single 320-acre spacing unit for Red River and Interlake Formations; 160-acre spacing units for Madison with well
	2016	Production:	6,714	4,972	location no closer than 660' to unit boundary; 150' topographic or geologic tolerance (Order 83-85).
Lone Rider					Cumulative Oil Production (Bbls): 5,903 Statewide.
Loneman Coulee					Cumulative Oil Production (Bbls): 3,417
Madison		1	157	0	20-acre spacing units for the production of oil from the Madison and Sawtooth Formations; 330' setback from
	2016	Production:	157	0	spacing unit boundaries (Order 54-09).
Lonetree Creek					Cumulative Oil Production (Bbls): 6,051,225 Post-1986 Gas Production (MCF): 2,212,611
Madison		1	4,639	1,817	320-acre Red River spacing, wells 660' from spacing boundary, 2,000' between wells (Order 29-72). Field
Mission Canyon		1	0	15	reduction (Orders 162-81 and 84-85). Ratcliffe and Mission Canyon delineation, S/2, Sec. 10, T24N, R57E (Order
Interlake		2	421	25	45-93). Interlake spacing unit, N/2, Sec. 10, T24N, R57E (Order 51-95). 320-acre Interlake spacing, 24N-57E-9:E2 & W2 (Order 87-00).
Red River		2	17,836	17,208	W 112 (0.000 07 00).
Red River, Interlake		2	13,605	2,839	
	2016	Production:	36,501	21,904	
Lonetree Creek, West					Cumulative Oil Production (Bbls): 33,029
					Red River spacing units, S 1/2 and N 1/2 of Section 12, T24N, R56E. No well closer than 660' to spacing unit boundary or 1,320' to existing well (Order 73-82).
Long Creek					Cumulative Oil Production (Bbls): 111,927
Charles C		1	508	0	Statewide.
	2016	Production:	508	0	
Long Creek, West					Cumulative Oil Production (Bbls): 1,062,059 Post-1986 Gas Production (MCF): 51,570
Nisku		1	4,554	1,740	80-acre Nisku Fm. spacing units comprised of two contiguous quarter quarter sections in either one or two
	2016	Production:	4,554	1,740	governmental sections aligned either N-S or E-W; locations no closer than 330' to unit boundary nor 1,000' to any other producing well (Order 27-77). Field enlarged (Order 71-83).
Lookout Butte					Cumulative Oil Production (Bbls): 39,586,349 Post-1986 Gas Production (MCF): 3,943,233
Siluro-Ordovician		39	529,102	123,388	160-acre spacing; well location in center of SE 1/4 of each quarter section with 150' topographic tolerance (Order
Red River		2	3,880	0	21-62). Coral Creek Unit not subject to spacing rules. Redelineated (Orders 7-63, 5-95). Field reductions (Orders
	2016	Production:	532,982	123,388	57-85, 6-87, 69-94). Waterflood of Silurian-Ordovician (Order 35-66). Coral Creek Deep Unit expanded to include all of Siluro-Ordovician (Order 155-00). Expanded enhanced recovery project approved, Coral Creek Deep Unit (Order 14-01).

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	<b>Cumulative Production And Regulation Summary</b>
Lookout Butte, East, Unit					Cumulative Oil Production (Bbls): 31,316,420 Post-1986 Gas Production (MCF): 8,649,071
Red River		58	705,331	259,129	22 delineated Red River spacing units with wells located no closer than 660' to the unit boundary with 175'
	2016	Production:	705,331	259,129	topographic tolerance (Order 87-85). Field enlargement and inclusion of Madison Group and all Silurian formations (Order 6-87). Pilot waterflood (Orders 19-88, 21-89, 42-90A, 49-90, 77-92, 35-93, 23-94). Redelineation of pilot area, certification as an expanded enhanced recovery project (Order 53-94). Red River Formation enhanced recovery unit (Order 70-95).
Loring					Post-1986 Gas Production (MCF): 43,254,057
Bowdoin		39	0	99,287	640-acre spacing units with 2 wells per formation (Order 79-82 and 12-89). 4 wells per formation per spacing unit,
Phillips		7	0	30,256	no closer than 660' to section boundaries, 1,320' between wells producing from same formation, 150' tolerance for
Bowdoin, Greenhorn, Phillips, Ni	obrara	33	0	78,755	geologic and topographic reasons (Order 13-89). Pilot infill drilling program approved for a portion of the field, with up to 8 wells per spacing unit, inter-well distance reduced to 990' (Order 15-91). Commingle Carlile/Bowdoin,
Bowdoin, Greenhorn, Niobrara		13	0	33,916	Greenhorn and Phillips (Order 26-98).
Niobrara, Greenhorn, Phillips		6	0	29,674	
Bowdoin, Greenhorn		10	0	34,900	
Bowdoin, Greenhorn, Phillips		19	0	55,748	
Greenhorn-Phillips		3	0	29,586	
Niobrara, Greenhorn		1	0	7,002	
Bowdoin, Phillips		84	0	199,598	
Phillips, Niobrara		4	0	5,962	
Bowdoin, Niobrara		9	0	12,255	
Bowdoin, Phillips, Niobrara		19	0	95,652	
	2016	Production:	0	712,591	
Loring, East					Post-1986 Gas Production (MCF): 20,681,309
Bowdoin		11	0	16,308	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn and Phillips) exist, a well may be
Greenhorn		1	0	2,635	drilled to each formation and may be located no closer than 660' from the spacing unit boundaries (Order 60-82).
Judith River		1	0	1,661	640-acre spacing for lands under communitization agreements prior to field delineation, 4 wells per spacing unit; authorization to commingle (Order 39-97). Enlargement (Order 280-04).
Phillips		3	0	3,633	additional to comming to (choose or or). Emangement (choose 200 or).
Bowdoin, Greenhorn, Phillips, Ni	iobrara	13	0	34,228	
Bowdoin, Greenhorn, Niobrara		3	0	7,732	
Niobrara, Greenhorn, Phillips		6	0	26,828	
Bowdoin, Greenhorn		4	0	18,610	
Bowdoin, Martin		1	0	927	
Bowdoin, Greenhorn, Phillips		32	0	102,378	
Eagle, Niobrara, Greenhorn		1	0	285	
Greenhorn-Phillips		3	0	8,858	
Bowdoin, Phillips		29	0	78,729	
Bowdoin, Phillips, Niobrara		4	0	24,430	
	2016	Production:	0	327,242	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Loring, West					Post-1986 Gas Production (MCF): 1,716,058
Bowdoin		6	0	19,384	Spacing units comprised of 1 full section with 4 wells permitted to each formation in each spacing unit located no
Martin Sandstone		1	0	216	closer than 660' to the exterior boundary of the section and no closer than 1,320' to a well in the same formation
Phillips		1	0	2,567	(Order 7-87). Field enlargement, commingling (Order 27-98).
Bowdoin, Martin		1	0	3,906	
Bowdoin, Greenhorn, Phillips		1	0	3,648	
Bowdoin, Phillips		5	0	16,618	
•	2016	Production:	0	46,339	
Lost Creek					Cumulative Oil Production (Bbls): 1,534 Statewide.
Lowell					Cumulative Oil Production (Bbls): 988,271 Post-1986 Gas Production (MCF): 127,582
Mission Canyon		2	13,640	0	320-acre Red River spacing units consisting of two contiguous governmental guarter sections which may lie in
Red River		1	2,962	0	either one or two governmental sections; wells to be located no closer than 660' to unit boundary or closer than
	2016	Production:	16,602	0	1,650' to well producing from the same horizon (Order 104-79). Permanent spacing unit, Madison, SW 34N-57E-15 (Order 165-02).
Lowell, South					Cumulative Oil Production (Bbls): 297,691 Post-1986 Gas Production (MCF): 78,870
Red River		1	3,738	5,296	Single Red River Formation spacing unit (Order 29-98).
	2016	Production:	3,738	5,296	
Lustre					Cumulative Oil Production (Bbls): 7,487,635 Post-1986 Gas Production (MCF): 1,277,780
Charles		5	10,152	0	80-acre Madison spacing units consisting of 1/2 of a regular governmental quarter section, either E 1/2 and W 1/2
Charles C		11	31,246	3,540	or N 1/2 and S 1/2; well to be located in either NE 1/4 or SW 1/4 of each quarter section with 200' tolerance (Order
Madison		1	1,920	0	19-83). Field enlargement (Order 43-84). Field Reduction (Order 43-96). Madison spacing unit, horizontal well; 30N-44E-3: N2 (Order 6-01).
Mission Canyon		2	2,727	0	30N-44E-3. N2 (Order 6-01).
Ratcliffe		4	7,736	5,405	
	2016	Production:	53,781	8,945	
Lustre, North					Cumulative Oil Production (Bbls): 190,767 Post-1986 Gas Production (MCF): 16,734
					80-acre spacing units for Madison Group Formations consisting of E 1/2 or W 1/2 of a governmental quarter section; wells located no closer than 660' to spacing unit boundary with 200' topographic or geologic tolerance (Order 39-84).
Mackay Dome					Cumulative Oil Production (Bbls): 399,331 Post-1986 Gas Production (MCF): 32,384
Greybull		2	2,587	0	Statewide.
•	2016	Production:	2,587	0	
Malcolm Creek					Cumulative Oil Production (Bbls): 11,450 Statewide.
Marias River					Post-1986 Gas Production (MCF): 1,929,955
Bow Island		9	0	13,442	One well per section per horizon above the top of the Kootenai (Order 18-78). Field enlargement (Order 12-83). 2
	2016 Production: 0 13,442 wells per zone in each spacing unit located no closer the unit boundaries (Order 26-90).	wells per zone in each spacing unit located no closer than 1,320' to each other and no closer than 990' to spacing unit boundaries (Order 26-90).			
Martin Lake					Post-1986 Gas Production (MCF): 174,507
Bowdoin		3	0	10,758	Martin Lake Federal Unit area; statewide.
Bowdoin, Phillips		1	0	4,441	
•	2016	Production:	0	15,199	
				•	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	<b>Cumulative Production And Regulation Summary</b>
Mason Lake					Cumulative Oil Production (Bbls): 1,028,239
					80-acre First Cat Creek Sand spacing units consisting of one half of a quarter section lying in either east-west or north-south direction; well location in center of the NE and SW quarter-quarter sections of each quarter section with 75' topographic tolerance (Order 35-78). Amend Order 35-78 for certain lots designated as spacing units (Order 66 78). Field enlargement (Order 16-79). Pilot enhanced recovery approved (Orders 37-88, 67-89 and 52-90). Masor Lake (1st Cat Creek) Unit approved (Order 80-96).
Mason Lake North					Cumulative Oil Production (Bbls): 17,923 Statewide.
McCabe					Cumulative Oil Production (Bbls): 347,858 Post-1986 Gas Production (MCF): 109,257
Ratcliffe		1	3,528	0	160-acre spacing units for Madison group; permitted wells no closer than 660' to spacing unit boundary (Orders 100
	2016	Production:	3,528	0	80, 43-79). 150' topographic tolerance (Order 3-81). Amended to eliminate the requirement of 1,650' between wells producing from the Madison group (Order 37-81).
McCabe, East					Cumulative Oil Production (Bbls): 251,137 Post-1986 Gas Production (MCF): 74,303
Red River		1	7,553	8,784	Statewide.
	2016	Production:	7,553	8,784	
McCabe, South					Cumulative Oil Production (Bbls): 6,599 Single 320-acre spacing unit for production from Nisku and Red River Fms. (Order 81-82).
McCabe, West					Cumulative Oil Production (Bbls): 69,988 Post-1986 Gas Production (MCF): 16,087 Single 320-acre spacing unit for production from Red River Fm. (Order 49-84).
McCoy Creek					Cumulative Oil Production (Bbls): 149,850 Post-1986 Gas Production (MCF): 47,203
Red River		2	4,202	1,855	Statewide.
rica riivei	2016	Production:	4,202	1,855	
Meander					Cumulative Oil Production (Bbls): 9,168
Sunburst		2	37	0	40-acre spacing units for Sunburst with wells not closer than 330' to spacing unit boundaries (Order 30-82).
	2016	Production:	37	0	
Medicine Lake					Cumulative Oil Production (Bbls): 4,426,136 Post-1986 Gas Production (MCF): 2,018,580
Gunton		1	69	0	Delineated for formations from the base of the Winnipeg to the base of the Last Charles Salt; 320-acre spacing
Red River		1	10,540	1,160	units comprised of any two contiguous governmental quarter sections in either one or two governmental sections; wells no closer than 660' to unit boundary nor closer than 1,650' to any well producing from the same formation
	2016	Production:	10,609	1,160	(Order 50-79). Additional Red River 'C' well, S/2 Sec. 22, T32N, R56E (Order 10-96).
Medicine Lake, South					Cumulative Oil Production (Bbls): 247,298 Post-1986 Gas Production (MCF): 200,783
					Two designated 320-acre spacing units for Red River Formation production (Orders 101 and 102-98).
Melstone					Cumulative Oil Production (Bbls): 3,421,367
Tyler		2	7,790	0	Statewide.
	2016	Production:	7,790	0	
Melstone, North					Cumulative Oil Production (Bbls): 889,652 Post-1986 Gas Production (MCF): 341,040
Tyler		4	8,745	4,631	Waterflood unit approved (Order 125-82). Polymer-augmented tertiary recovery project approved (Order 37-84).
	2016	Production:	8,745	4,631	Certification as expanded enhanced recovery unit (Order 89-94).
Midby					Cumulative Oil Production (Bbls): 70,172  Delineated for production from the Red River Fm. with 160-acre designated spacing units, 660' setback from spacing unit boundaries (Order 24-81).

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Middle Butte					Post-1986 Gas Production (MCF): 1,077,971
Second White Specks		1	0	928	Orders 3-60, 21-75 amended to delineate field extension and 320-acre spacing units for Bow Island consisting of
Blackleaf		1	0	9,611	the E 1/2 and W 1/2 of each section; well location no closer than 990' to the section line and 660' to the interior
Bow Island		3	0	14,153	boundary (Order 47-77). Enlarge (Order 25-93).
	2016	Production:	0	24,692	
Midfork					Cumulative Oil Production (Bbls): 1,202,600 Post-1986 Gas Production (MCF): 245,942
Charles C		4	15,101	0	Statewide. Also a single 80-acre Charles Formation spacing unit (Order 46-92). Single Nisku spacing unit,
Nisku		2	4,903	0	horizontal well; 30N-45E-16: N2 (Order 5-01).
	2016	Production:	20,004	0	
Milk River					Post-1986 Gas Production (MCF): 442,892
Phillips		11	0	22,831	Single 160-acre spacing unit for Phillips gas production (Order 12-98).
Bowdoin, Phillips		1	0	110	
	2016	Production:	0	22,941	
Mineral Bench					Cumulative Oil Production (Bbls): 186,656 Statewide.
Miners Coulee					Cumulative Oil Production (Bbls): 559,726 Post-1986 Gas Production (MCF): 3,773,943
Blackleaf		1	0	1,603	Oil: 40-acre units Sunburst/Swift consisting of quarter-quarter sections; well location no closer than 330' to lease or
Bow Island		8	0	17,276	property line and 660' to any other well (Order 9-66). Order 9-66 amended to comply with Order 5-74. Gas: 160-
Sunburst		7	8.953	1,766	acre spacing units for horizons above Rierdon; wells to be located 990' from boundary (Orders 5-74, 43-76, 44-77).
Sawtooth		1	0,955	34,575	Sawtooth gas spacing unit (Order 43-76). Field redelineation/enlargement (Orders 77-76, 44-77, 4-80).
Sawtootii	2016	Production:	8,953	55,220	
Missouri Breaks	2010		0,000	00,220	Cumulative Oil Production (Bbls): 437,188 Post-1986 Gas Production (MCF): 103,811
					320-acre Red River spacing units as specified by Order 97-82. Creation of 320-acre spacing unit for production from Charles, Mission Canyon, and Nisku Formations (Order 8-95).
Mon Dak, West					Cumulative Oil Production (Bbls): 14,256,142 Post-1986 Gas Production (MCF): 6,260,429
Madison		6	28,891	27,843	320-acre spacing units for Silurian and Ordovician pools; Spacing units to consist of either N 1/2 and S 1/2, or E 1/2
Mission Canyon		4	10,678	7,361	and W 1/2; 660' setback, 1,650' interwell in same pool (Order 42-77). 320-acre spacing units below Last Charles
Red River		1	14,373	19,165	Salt and above the Devonian; either N-S or E-W of the section; 660' setback, 1,650' interwell in same pool (Order 23-77). Madison Formation delineation (Order 51-79, amended, Order 95-83). Field Reduction (Order 42-96).
Stony Mountain		1	3,541	1,421	Spacing unit for Bakken, Duperow, Stony Mountain, 22N-59E-1:S2 (Order 144-00). Red River spacing unit, 22N-
Stonewall		1	7,639	6,255	60E-17, S2, and 20, N2 (Order 195-03).
Madison, Ordovician		1	2,976	2,958	
Ratcliffe, Mission Canyon		1	2,879	2,359	
Red River, Stony Mountain		2	10,568	9,324	
•	2016	Production:	81,545	76,686	
Mona					Cumulative Oil Production (Bbls): 169,804 Post-1986 Gas Production (MCF): 458,408
					Statewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Monarch					Cumulative Oil Production (Bbls): 10,586,707 Post-1986 Gas Production (MCF): 1,461,305
Siluro-Ordovician		18	76,683	12,971	80-acre Madison spacing units consisting of E 1/2 and W 1/2 of quarter section; well location in SW 1/4 and NE 1/4
Red River		6	32,982	7,320	of quarter section; Location within 660' square at center of quarter section (Order 18-61). 160-acre Siluro-
	2016	Production:	109,665	20,291	Ordovician spacing units consisting of a quarter section; well in center of SW 1/4 of each quarter section with 175' topographic tolerance (Orders 12-59, 4-63). Spacing waived within Siluro-Ordovician waterflood (Order 23-73). Spacing units for horizontal wells (Orders 81-94, 2-96, 3-96, 68-96, 103-97, 24-98, 73-99, 32-00, 35-00, 156-00, 204-02). Exception locations (Orders 102-01, 103-01).
Mosser Dome					Cumulative Oil Production (Bbls): 547,857  Spacing waived. Future development requires administrative approval (Order 27-62).
Mt. Lilly					Post-1986 Gas Production (MCF): 1,171,798
Bow Island		1	0	1,770	640-acre spacing for Madison; well location in center of any of the four quarter-quarter sections adjoining center of
Swift		1	0	15,268	section; 250' topographic tolerance (Order 37-63).
Bow Island, Dakota		1	0	1	
Bow Island, Swift		1	0	269	
,	2016	Production:	0	17,308	
Mud Creek					640-acre spacing units; wells located no closer than 1320' to section lines (Order 9-63). Amended to allow production from two wells in Sec. 12, T6N, R17E (Order 49-92).
Musselshell					Cumulative Oil Production (Bbls): 45,054 Statewide.
Mustang					Cumulative Oil Production (Bbls): 1,445,903 Post-1986 Gas Production (MCF): 913,601
Ratcliffe		1	7	103	NE/4 Sec. 33, T24N, R 57E approved as single-well spacing unit for Bakken oil production (Order 54-94). Bakken
Bakken		2	2,977	0	spacing units, 23N-57E-3: All, -34: All, 2 horiz. wells authorized, 660' setback (Orders 145-01, 147-01).
Red River		1	6,051	7,983	
Ratcliffe, Mission Canyon		1	3,451	6,720	
	2016	Production:	12,486	14,806	
Neiser Creek					Cumulative Oil Production (Bbls): 750,760 Post-1986 Gas Production (MCF): 622,988
Red River		2	247	239	Single 160-acre Red River spacing unit (Order 78-82). Enlargement (Order 63-96). Include Winnipegosis and
	2016	Production:	247	239	commingling (Order 98-97).
Nielsen Coulee					Cumulative Oil Production (Bbls): 274,761 Post-1986 Gas Production (MCF): 121,663 Statewide. Second well in quarter section authorized (Order 37-93).
Ninemile					Cumulative Oil Production (Bbls): 80,513 Post-1986 Gas Production (MCF): 39,979 Statewide.
Nohly					Cumulative Oil Production (Bbls): 9,103,387 Post-1986 Gas Production (MCF): 5,645,579
Madison		6	29,841	40,287	Single Red River spacing unit (Order 77-83). Field enlarged, 320-acre designated Red River spacing units (Orders
Ratcliffe		1	4,106	4,736	54-84, 104-98). 160-acre Nisku spacing units, 660' setback, 150' topographic tolerance (Order 55-84). Nohly
Nisku		1	0	137	(Ratcliffe/Mission Canyon) delineation; 160-acre spacing units, 660' setback (Order 70-92). Ratcliffe/Mission Canyon Field enlargement (Orders 6-94, 105-94). Enlargement, Red River (Order 104-98). Mission Canyon
Red River		1	6,011	14,136	spacing unit, 26N-59E-34: S/2 (Order 47-09).
Ratcliffe, Mission Canyon		3	14,005	17,341	
	2016	Production:	53,963	76,637	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary			
Nohly, South					Cumulative Oil Production (Bbls): 145,933 Post-1986 Gas Production (MCF): 16,524 Single designated 320-acre spacing unit (Order 35-83).			
North Fork					Cumulative Oil Production (Bbls): 698,332 Post-1986 Gas Production (MCF): 216,462			
Madison		1	295	61	Statewide, plus single Madison spacing unit, N/2 Sec. 23, T24N, R59E, with designated well (Order 104-94).			
Mission Canyon		1	2,362	0				
	2016	Production:	2,657	61				
O'Briens Coulee					Post-1986 Gas Production (MCF): 4,382,088			
Second White Specks		2	0	3,912	Statewide.			
Blackleaf		1	0	232				
Bow Island		5	0	7,403				
Bow Island, Blackleaf		1	0	245				
	2016	Production:	0	11,792				
Old Shelby					Cumulative Oil Production (Bbls): 1,251 Post-1986 Gas Production (MCF): 20,911,748			
Bow Island		6	0	18,263	320-acre spacing units to be comprised of either E 1/2, W 1/2, N 1/2, or S 1/2 of a section for Swift, Kootenai,			
Sunburst		62	0	109,935	Dakota, and Sunburst gas; also delineated for Bow Island excluding T32N, R1W, Section 3 and T33N, R1W,			
Swift		29	0	65,530	Sections 14, 23, 26, and 35; two wells per spacing unit per gas producing horizon with well location to be no closer than 660' to spacing unit boundaries or 1320' to another well producing from the same horizon in the same spacing			
Bow Island, Sunburst, Swift		2	0	1,196	unit; wells drilled prior to April 1, 1953 exempted (Order 17-94 which supercedes all earlier orders). Field			
Bow Island, Swift		2	0	8,066	enlargement (Orders 31-95, 95-02).			
Swift, Sunburst		9	0	33,761				
•	2016	Production:	0	236,751				
Olje					Cumulative Oil Production (Bbls): 163,500 Post-1986 Gas Production (MCF): 33,246			
					Single 160-acre Red River spacing unit (Order 35-85).			
Ollie					Cumulative Oil Production (Bbls): 279,880 Post-1986 Gas Production (MCF): 26,750			
					320-acre specified spacing units for the Red River and Duperow formations with the permitted well for each spacing unit to be located no closer than 660' to the spacing unit boundary (Order 73-80).			
Otis Creek					Cumulative Oil Production (Bbls): 970,757 Post-1986 Gas Production (MCF): 118,873			
Ratcliffe		1	2,045	2,239	Statewide.			
	2016	Production:	2,045	2,239				
Otis Creek, South					Cumulative Oil Production (Bbls): 441,762 Post-1986 Gas Production (MCF): 156,080			
Mission Canyon		1	5,697	889	320-acre spacing units for Red River; locations no closer than 660' to unit boundary (Order 39-72). Field			
	2016	Production:	5,697	889	enlargement (Orders 56-76, 67-76). Amended, new spacing units to consist of quarter sections; locations no close			
			5,551		than 660' to spacing unit boundary or 1,650' to producing wells with 150' tolerance (Order 73-81). Single 160-acre spacing unit for Charles Formation (Order 9-95).			
Otter Creek					Cumulative Oil Production (Bbls): 28,492			
					Single 160-acre spacing unit for production from Winnipegosis and Red River Fms. (Order 51-83).			
Outlet					Cumulative Oil Production (Bbls): 6,384 Post-1986 Gas Production (MCF): 3,192			
					Delineated for production from the Madison Group; 160-acre spacing units with wells to be located no closer than 660' to spacing unit boundaries (Order 11-94).			

Field, Reported Formation	# of Wells Oil, Bbls Gas, MCF Cumulative Production And Regulation Summary
Outlook	Cumulative Oil Production (Bbls): 9,728,967 Post-1986 Gas Production (MCF): 695,051
Nisku	4 13,282 17,617 160-acre spacing units for Siluro-Devonian; well location in center of either SW 1/4 or NE 1/4 of each quarter
Winnipegosis	3 6,851 558 section; 175' topographic tolerance (Order 19-59A).
Mission Canyon, Bakken	1 573 88
Nisku, Bakken	1 4,184 1,601
	2016 Production: 24,890 19,864
Outlook, South	Cumulative Oil Production (Bbls): 693,151 Post-1986 Gas Production (MCF): 2,495
	160-acre spacing for Siluro-Devonian; permitted wells in either SW 1/4 or NE 1/4 of quarter section; 175' topographic tolerance (Order 19-59A). Red River and Siluro-Devonian commingling permitted in single spacing (Order 45-64).
Outlook, Southwest	Cumulative Oil Production (Bbls): 168,099 Post-1986 Gas Production (MCF): 9,570
Nisku	1 4,938 0 Single 160-acre spacing unit for production from Red River Formation (Order 64-94) and Winnipegosis (Order
	2016 Production: 4,938 0 94).
Outlook, West	Cumulative Oil Production (Bbls): 1,363,354 Post-1986 Gas Production (MCF): 7
Winnipegosis	1 20,446 0 160-acre spacing units for Winnipegosis; permitted wells in 840' square in the center of spacing unit and no clo
1 0	2016 Production: 20,446 0 than 900' to quarter section boundaries (Order 7-67, amended, Order 26-67). Field reduction (Order 50-94).
Oxbow	Cumulative Oil Production (Bbls): 972,575 Post-1986 Gas Production (MCF): 829,197
Red River	2 16,372 17,751 320-acre spacing units consisting of two contiguous governmental quarter sections which may be in one or two
	2016 Production: 16,372 17,751 governmental sections aligned at operator's option; location to be no closer than 660' to the unit boundary or cl than 1,650' to a well producing from same pool (formations below 11,000) (Order 7-78). Field enlargement (Or 137-80).
Oxbow II	Cumulative Oil Production (Bbls): 813,778 Post-1986 Gas Production (MCF): 622,570
Ratcliffe	1 154 120 320-acre spacing units for Red River consisting of two contiguous guarter sections which may cross section lin
Nisku	1 2,740 1,811 wells located no closer than 660' to spacing unit boundaries (Order 50-84).
	2016 Production: 2,894 1,931
Palomino	Cumulative Oil Production (Bbls): 3,970,044 Post-1986 Gas Production (MCF): 72,102
Nisku	6 41,594 97 Statewide.
	2016 Production: 41,594 97
Park City	Post-1986 Gas Production (MCF): 64,165
-	Statewide.
Pasture Creek	Cumulative Oil Production (Bbls): 4,783 Statewide.
Pelican	Cumulative Oil Production (Bbls): 191,494 Post-1986 Gas Production (MCF): 47,372 Field rules vacated (Order 81-97).
Pennel	Cumulative Oil Production (Bbls): 126,442,721 Post-1986 Gas Production (MCF): 40,361,758
Mission Canyon	1 277 0 Field originally delineated with 80-acre spacing units consisting of E and W 1/2 of quarter section; wells located
Siluro-Ordovician	130 812,257 633,939 center of SE 1/4 and NW 1/4 of quarter sections, 150' topographic tolerance (Order 15-61). 80-acre spacing u
Red River	on west side and 160-acre spacing units on east side of pool, wells to be located in SE 1/4 and NW 1/4 of each quarter section (160-acre spacing) (Orders 1-56, 8-
	2016 Production: 819,094 643,201 643,201 643,201 643,201 643,201 61, 20-62, 4-63, 7-63). Spacing waived within unitized area (Order 24-68). Commingling approved (Order 59-Waterflood for Siluro-Ordovician (Order 24-68). Field reduction (Order 2-96). 660' internal setback from unit boundary (Order 74-99). Pennel Unit certified as expanded enhanced recovery unit (Order 15-01). New tertiar project (Order 39-02).

Field, Reported Formation	#	of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Pete Creek					Cumulative Oil Production (Bbls): 23,343 Statewide.
Phantom					Cumulative Oil Production (Bbls): 43,585 Post-1986 Gas Production (MCF): 386,753
Sunburst		1	0	1,188	Gas: Wells anywhere within the unit but no closer than 990' to the unit boundary. Oil: Wells with projected depths
	2016	Production:	0	1,188	greater than 6,000' to be located no closer than 660' to the unit boundary; those with projected depths less than 6,000' to be located no closer than 330' to the unit boundary; formations between surface and top Rierdon included (Order 48-77).
Phantom, West					Post-1986 Gas Production (MCF): 652,294
Sunburst		2	0	10,011	Delineated for Sunburst Sandstone gas production with one well per spacing unit located no closer than 660' to the
	2016	Production:	0	10,011	exterior boundaries of the three designated spacing units (Order 65-78).
Pine					Cumulative Oil Production (Bbls): 132,260,678 Post-1986 Gas Production (MCF): 7,599,144
Siluro-Ordovician Red River		108 1	631,106 2,623	188,417 920	Statewide spacing rules waived within the Pine Unit. 80-acre spacing units outside of unit area; well location in NW 1/4 and SE 1/4 of quarter section; 150' topographic tolerance (Order 37-62). A waterflood program for the south
	2016	Production:	633,729	189,337	area was started in 1959. A waterflood of the north area was approved in 1967 (Orders 13-68, 1-60, 8-62, 32-67). Brine and CO2 injection test (Order 70-83). Re-delineation (Order 16-97). 640-acre spacing unit for horizontal wells (Order 23-98). North Pine and South Pine Units certified as expanded enhanced recovery projects (Orders 11-01, 13-01).
Pine Gas					Post-1986 Gas Production (MCF): 8,959,155
Eagle		30	0	188,042	160-acre spacing units for production of gas from top of the Judith River to top of the Greenhorn, wells no closer
Judith River		12	0	35,185	than 660' to spacing unit boundaries with 460' topographic tolerance (Order 60-98). Field enlargements (Orders 64
	2016	Production:	0	223,227	98, 47-99, 48-99, 36-00, 37-00, 124-01).
Pine, East					Cumulative Oil Production (Bbls): 19,349 Statewide.
Pipeline					Cumulative Oil Production (Bbls): 16,424 Post-1986 Gas Production (MCF): 2,111 Statewide.
Plentywood					Cumulative Oil Production (Bbls): 22,830 Statewide.
Plevna					Post-1986 Gas Production (MCF): 309,065
Eagle		2	0	14,007	Delineated for Judith River and Eagle gas production, 1200' setback from quarter section lines, 2400' between well-
	2016	Production:	0	14,007	on same lease, 75' topographic tolerance (Order 34-54). Redelineation (Order 4-57).
Plevna, South					Post-1986 Gas Production (MCF): 819,226
Eagle		7	0	8,415	Delineated for Eagle gas production; 160-acre quarter section spacing units, 660' setback, 150' topographic
	2016	Production:	0	8,415	tolerance (Order 77-00).
Pole Creek					Cumulative Oil Production (Bbls): 169,726 Statewide.
Police Coulee					Cumulative Oil Production (Bbls): 14 Post-1986 Gas Production (MCF): 1,137,261
Bow Island		10	0	27,224	320-acre spacing units for Bow Island Formation; location no closer than 990' to section line and 660' to half
	2016	Production:	0	27,224	section lines; spacing units to consist of N 1/2 or S 1/2, E 1/2 or W 1/2 at discretion of operator (Order 53-76). Field enlargements (Orders 24-77, 20-79, and 46-79).

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Pondera					Cumulative Oil Production (Bbls): 30,304,145 Post-1986 Gas Production (MCF): 174
Madison		232	133,239	0	Delineated for production from Ellis/Madison contact; Oil: 220' from legal subdivision, 430' from other wells in same
Sun River Dolomite		11	1,639	0	reservoir on same lease; 75' topographic tolerance (Order 2-54). Porter Bench Extension: 330' from legal
	2016	Production:	134,878	0	subdivision line; 650' from other wells in same reservoir on same lease or unit; 75' topographic tolerance (Order 9-54). Gas: Wells no closer than 1,320' from any quarter section line, nor 3,700' to other drilling or producible wells on the same lease or unit (Order 9-54 corrected). Designate six 160-acre spacing units for gas, wells no closer than 660' from unit boundaries (Order 26-83).
Pondera Coulee					Cumulative Oil Production (Bbls): 179,981
Madison		5	3,076	0	330' from legal subdivision lines or upon a 10-acre spacing pattern; 75' topographic tolerance (Order 5-62).
Sun River Dolomite		6	814	0	
	2016	Production:	3,890	0	
Poplar, East					Cumulative Oil Production (Bbls): 47,907,855
Amsden		2	4,685	0	Field delineation (Order 7-55). Redelineation (Order 25-76). Horizontal well exception and removal of production
Heath		2	4,524	0	restrictions for horizontal wells (Order 67-93). Unitized (Order 7-55). Removal of internal setback requirements
Charles		1	533	0	except for non-committed lands (Order 69-96).
Charles B		2	2,768	0	
Charles C		1	67	0	
Madison		16	27,757	0	
	2016	Production:	40,334	0	
Poplar, Northwest					Cumulative Oil Production (Bbls): 5,394,045 Post-1986 Gas Production (MCF): 1,220,150
Charles		2	6,422	0	80-acre spacing units, E 1/2 and W 1/2 of each quarter section; wells in the center of NW 1/4 or SE 1/4 of each
Charles C		13	38,280	540	quarter section with 75' tolerance for surface hazards and obstructions (Order 18-55). 80-acre designated spacing
Madison		1	1,009	0	units with well location in the center of the NW 1/4 or SE 1/4 of each quarter section; 150' topographic or geologic tolerance (Order 26-76). 80-acre spacing units to be N 1/2 and S 1/2 or E 1/2 and W 1/2 of each quarter section;
	2016	Production:	45,711	540	wells located in center of each NE 1/4 or SW 1/4 of each quarter section, 150' topographic or geologic tolerance (Orders 124-80, 83-83, 97-84 and 6-85). 80-acre spacing units for test wells to the Charles formation; spacing units to be N 1/2 and S 1/2 or E 1/2 and W 1/2 of each quarter section; wells in center of NE 1/4 or SW 1/4 of each quarter section, 150' tolerance for archeological reasons only (Order 161-81). Field enlargement with 80-acre spacing units consisting of N 1/2 and S 1/2 of each quarter section; wells in center of the NE or SW quarter of each quarter section with 150' topographic or geologic tolerance (Order 42-83).
Poplar, Southeast					Cumulative Oil Production (Bbls): 162,546 Statewide.
Potter					Post-1986 Gas Production (MCF): 23,786
Swift		1	0	242	Single section delineated for production of gas from all formations between the surface and the top of the Jurassic
	2016	Production:	0	242	Rierdon Formation with one designated well (Order 8-93).

Field, Reported Formation # of Wells Oil, Bb			Gas, MCF	<b>Cumulative Production And Regulation Summary</b>				
Prairie Dell				Cumulative Oil Production (Bbls): 1,767 Post-1986 Gas Production (MCF): 19,829,323				
Bow Island	7	0	15,655	320-acre spacing units for all horizons above the Rierdon, wells no closer than 660' to spacing unit boundary				
Sunburst	15	0	40,906	(Order 10-76). Field enlargement (Orders 28-78, 24-79, 132-80, 40-81, 54-81, 142-81, 56-83, 9-85, 60-86, 12-87,				
Swift	9	0	26,888	21-95, 63-97, 49-98, 50-98). Two wells per spacing unit for a portion of the field, well locations no closer than 1,320' to a producing well from the same zone and 660' to the spacing unit boundary (Orders 21-88, 3-91, 35-92, 48-92 and 51-92). Two 160-acre spacing units (Order 3-89). Two wells per spacing unit, 34N-1W-26 (Order 141-				
Bow Island, Dakota, Sunburst	10	0	19,184					
Bow Island, Sunburst, Swift	12	0	45,735	00).				
Bow Island, Dakota, Swift	7	0	18,478					
Bow Island, Dakota	11	0	15,487					
Bow Island, Dakota, Sunburst, Swift	18	0	32,842					
Bow Island, Sunburst	22	0	47,403					
Bow Island, Swift	11	0	25,766					
Bow Island, Dakota, Kootenai, Sunburs	t 1	0	9,543					
Bow Island, Dakota, Kootenai, Swift	1	0	2,114					
Dakota, Sunburst, Swift	1	0	1,284					
Sunburst, Dakota	3	0	3,541					
Swift, Sunburst	3	0	3,971					
2016	Production:	0	308,797					
Prairie Dell, West				Post-1986 Gas Production (MCF): 1,072,053				
Swift	2	0	125	640-acre spacing unit for Swift Formation with well no closer than 990' to spacing unit boundary (Order 16-78).				
Bow Island, Dakota, Swift	2	0	1,874	Include all horizons above the Rierdon Formation (Order 54-78). Field enlarged (Order 55-78). Field enlarged and				
Bow Island, Dakota	1	0	1,185	amended to allow 4 wells per spacing unit no closer than 1,320' to each other and no closer than 660' to the unit boundaries (Order 22-90).				
Bow Island, Sunburst	2	0	2,583	boundanes (Order 22 50).				
Bow Island, Swift	2	0	1,179					
Bow Island, Dakota, Kootenai, Sunburs	t 1	0	265					
2016	Production:	0	7,211					
Prairie Elk				Cumulative Oil Production (Bbls): 105,036 Statewide.				
Prichard Creek				Cumulative Oil Production (Bbls): 169,039 Post-1986 Gas Production (MCF): 71				
Sunburst	1	155	0	Sunburst/Swift spacing rules waived with locations subject to administrative approval. Unitized for Sunburst				
Swift	1	123	0	waterflood (Order 7-73).				
2016	Production:	278	0					
Pronghorn				Cumulative Oil Production (Bbls): 490,237 Post-1986 Gas Production (MCF): 81,819				
•				160-acre spacing units for Red River; wells located no closer than 660' to unit boundary with 150' topographic or geologic tolerance (Orders 75-84 and 110-84).				
Pumpkin Creek				Post-1986 Gas Production (MCF): 6,079				
•				640-acre spacing units for production of gas from the Shannon/Eagle interval, 990' setback from spacing unit boundaries (Order 10-71).				

Madeson	Field, Reported Formation	#	of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary			
Massion Carayon	Putnam					Cumulative Oil Production (Bbls): 6,770,873 Post-1986 Gas Production (MCF): 1,710,067			
Spacing Number   Spacing unit, F2   16,788   18,149   Spacing unit, F2   16,788   Spacing unit, F2   NE/4, Sec. 32 and N/2 NW/4, Sec. 33, T23N, R57E (Order 18-93). Single Duperow spacing unit Survey and Production (Bibs): 37-85   Spacing unit, F2   Spacing unit, F2   Spacing unit, F2   NE/4, Sec. 32 and N/2 NW/4, Sec. 33, T23N, R57E (Order 18-93). Single Duperow spacing unit Survey and Production (Bibs): 37-85   Spacing unit, N/2   Spacing unit, N/2   N/2   Spacing unit, N/2   N/2   Spacing unit, N/2	Madison		1	865	0				
Statewide	Mission Canyon		4	9,377	8,849				
Statistic	Red River		2	16,788	18,149				
Pathibit Hills	Stonewall		1	1,047	515	2011 07 2 201 112 (0.000) 20 0 7/1			
Southwest Member   2   1,396   0   0   0   0   0   0   0   0   0		2016 I	Production:	28,077	27,513				
Sawtooth	Rabbit Hills					Cumulative Oil Production (Bbls): 3,789,942			
39.1 Northeast Rabbit Hills: Single 160- acre Spacing until with one well per quarter quarter section, 330's estack from quarter quarter boundaries (Orders 33-76, 98-83). Plotter letter in year project including a portion of Northeast Rabbit Hills: Fleid (Order 78-95). Rabbit Hills Unit approved (Order 202-02).    Rabbit Hills, East	Bowes Member		2	13,996	0	Southwest Rabbit Hills: 160-acre Sawtooth Fm. spacing unit, NW/4, 34N-19E- 24 with 4 wells, 330' setback from			
Rabbit Hills, East   Sawtooth   1 Bit   1 Bi	Sawtooth		12	45,689	0				
Savious		2016 I	Production:	59,685	0	330' setback from quarter quarter boundaries (Orders 33-76, 98-83). Pilot tertiary recovery project including a			
Savious	Rabbit Hills, East					Cumulative Oil Production (Bbls): 1.902			
Name	,		1	812	0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Save Member   2   2,231   0   0   0   0   0   0   0   0   0		2016 I	Production:	812	0				
Save Member   2   2,231   0   0   0   0   0   0   0   0   0	Rabbit Hills, South					Cumulative Oil Production (Bbls): 362.337 1			
Sampton	*		2	2.231	0				
Ragged Point   Tyler   Arguettion   Bagged Point   Tyler   Arguettion   Bagged Point   Tyler   Arguettion   Bagged Point   Tyler   Arguettion   Bagged Point   Bagged Poi				•	_				
Tyler		2016 I	Production:	•	0				
Tyler	Ranged Point			-		Cumulative Oil Production (Rbls): 3 816 180 Post-1986 Gas Production (MCF): 17 488			
Ragged Point, Southwest   Support   Support	= =		1	678	0				
Tyler	.,	2016 I	Production:			well can be closer than 660' to unit boundary, Tyler "A" waterflood (Order 35-65). Certification of expanded			
Tyler	Ragged Point, Southwest					Cumulative Oil Production (Bbls): 725.004			
Ratiler Butte   South   Production:   3,368   0 to the unit boundaries (Order 83-82).	,		8	3,368	0	Waterflood approval; drill and produce Tyler "A" Formation wells anywhere within the unit but not closer than 330'			
Rapelje	•	2016 I	Production:	3,368	0	to the unit boundaries (Order 83-82).			
Rapelje	Rainbow					Cumulative Oil Production (Bbls): 167.273 Post-1986 Gas Production (MCF): 101.594			
Total Creek, First Cat Creek, Second Amsden   160-acre spacing for formations from surface to base of Telegraph Creek; wells no closer than 990' to unit boundary; commingling with administrative approval (Order 29-73).    Complete Butte   South   13,233   0   0   East Rattler Butte (Tyler "A") Unit approved (Order 39-92). East Rattler Butte (Tyler "C") Unit (Order 90-98).									
Total Creek, First Cat Creek, Second Amsden   160-acre spacing for formations from surface to base of Telegraph Creek; wells no closer than 990' to unit boundary; commingling with administrative approval (Order 29-73).    Complete Butte   South   13,233   0   0   East Rattler Butte (Tyler "A") Unit approved (Order 39-92). East Rattler Butte (Tyler "C") Unit (Order 90-98).	Ranelie					Post-1986 Gas Production (MCF): 202 315			
Tyler         5         13,233         0         Rattler Butte (Tyler "A") Unit approved (Order 39-92). East Rattler Butte (Tyler "C") Unit (Order 90-98).           Rattler Butte, South         Cumulative Oil Production (Bbls): Statewide.         15,403           Rattlesnake Butte         Cumulative Oil Production (Bbls): Statewide.         776,700         Post-1986 Gas Production (MCF): 133,029           Cat Creek, First         3         2,013         1,867         Statewide.           Cat Creek, Second Amsden         2         402         0	Пареле					160-acre spacing for formations from surface to base of Telegraph Creek; wells no closer than 990' to unit			
Tyler         5         13,233         0         Rattler Butte (Tyler "A") Unit approved (Order 39-92). East Rattler Butte (Tyler "C") Unit (Order 90-98).           Rattler Butte, South         Cumulative Oil Production (Bbls): Statewide.         15,403           Rattlesnake Butte         Cumulative Oil Production (Bbls): Statewide.         776,700         Post-1986 Gas Production (MCF): 133,029           Cat Creek, First         3         2,013         1,867         Statewide.           Cat Creek, Second Amsden         2         402         0	Rattler Butte					Cumulative Oil Production (Bbls): 2.041.536 Post-1986 Gas Production (MCF): 92.280			
Rattler Butte, South   Cumulative Oil Production (Bbls):   15,403			5	13.233	0				
Statewide.           Rattlesnake Butte         Cumulative Oil Production (Bbls):         776,700         Post-1986 Gas Production (MCF):         133,029           Cat Creek, First         3         2,013         1,867         Statewide.           Cat Creek, Second         2         402         0           Amsden         2         773         0	.,	2016 I							
Cat Creek, First       3       2,013       1,867       Statewide.         Cat Creek, Second       2       402       0         Amsden       2       773       0	Rattler Butte, South								
Cat Creek, First       3       2,013       1,867       Statewide.         Cat Creek, Second       2       402       0         Amsden       2       773       0	Rattlesnake Butte					Cumulative Oil Production (Rbls): 776 700 Post-1986 Gas Production (MCF): 133 029			
Cat Creek, Second       2       402       0         Amsden       2       773       0			3	2.013	1.867				
Amsden 2 773 0	•				•				
		2016 I		3,188	1,867				

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary			
Rattlesnake Coulee					Cumulative Oil Production (Bbls): 115,354 Post-1986 Gas Production (MCF): 114,666			
Sunburst		4	4,280	0	Statewide.			
	2016	Production:	4,280	0				
Raymond					Cumulative Oil Production (Bbls): 5,797,425 Post-1986 Gas Production (MCF): 4,002,459			
Winnipegosis		1	1,042	0	320-acre spacing units for Red River, Winnipegosis, Duperow, and Nisku formations. Wells 660' from spacing unit			
Red River		1	1,569	0	boundary (Order 38-72). Gas Storage (Order 50-78 and amended by Order 60-79). Mississippian pool delineation			
	2016	Production:	2,611	0	with 40-acre spacing units, wells no closer than 330' to spacing unit boundary (Order 35-79). Field enlargement for Mississippian pool (Orders 31-80 and 128-80). Field reduction for Nisku pool (Order 135-81). Nisku Formation			
					rules suspended for unit except for 660' setback distance from external unit boundaries (Order 3-86). Authorization to inject Duperow gas into the Nisku Formation (Order 135-81).			
Raymond, North					Cumulative Oil Production (Bbls): 150,342 Post-1986 Gas Production (MCF): 9,295			
					Delineated with single Red River spacing unit (Order 94-82). Enlargement, designated spacing unit (Order 31-98).			
Raymond, Northeast					Cumulative Oil Production (Bbls): 120,687			
					Designated spacing units for production from Red River, Winnipegosis, and Nisku (Orders 12-74, 20-74, 1-79).			
Reagan					Cumulative Oil Production (Bbls): 10,996,262 Post-1986 Gas Production (MCF): 4,002,939			
Blackleaf		1	0	1,634	Statewide. (Order 17-54) A pressure maintenance project utilizing gas injection (Order 21-60). Waterflood (Order			
Madison		40	47,697	76,378	27-72).			
	2016	Production:	47,697	78,012				
Red Bank					Cumulative Oil Production (Bbls): 3,311,305 Post-1986 Gas Production (MCF): 520,529			
Madison		3	3,211	0	Statewide.			
Ratcliffe		4	32,460	10,059				
	2016	Production:	35,671	10,059				
Red Bank, South					Cumulative Oil Production (Bbls): 387,759 Post-1986 Gas Production (MCF): 102,959 Statewide; two Ratcliffe/Mission Canyon wells per spacing unit in specific quarter sections (Order 39-00).			
Red Creek					Cumulative Oil Production (Bbls): 7,440,784 Post-1986 Gas Production (MCF): 164,409			
Cut Bank		7	5,704	0	40-acre spacing units; wells in center of spacing unit with 75' topographic tolerance; spacing and field rules waived			
Sunburst		1	902	0	for unitized portion (Orders 16-58, 31-64, 5-70). Field enlarged (Order 9-62), redelineated (Order 73-62).			
Madison		6	5,281	0				
Cut Bank, Madison		21	12,334	0				
	2016	Production:	24,221	0				
Red Fox					Cumulative Oil Production (Bbls): 380,137 Post-1986 Gas Production (MCF): 755			
					Field consists of one 160-acre spacing unit for Nisku production (Order 20-67).			
Red Rock					Cumulative Oil Production (Bbls): 2,605 Post-1986 Gas Production (MCF): 50,077,959			
Eagle		55	0	255,511	Eagle Spacing units consisting of the N 1/2 and S 1/2 of section with permitted well to be no closer than 990' to			
Judith River		5	0	85,745	exterior section line nor closer than 660' to half section line (Order 89-79).			
Niobrara		17	0	50,707				
Sawtooth		1	93	0				
Eagle, Niobrara		1	0	631				
<u>-</u>	2016	Production:	93	392,594				
Red Water					Cumulative Oil Production (Bbls): 144,137 Post-1986 Gas Production (MCF): 40,475 Statewide.			

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary		
Red Water Creek, South							
					Statewide.		
Red Water, East					Cumulative Oil Production (Bbls): 419,750 Post-1986 Gas Production (MCF): 160,165		
Dawson Bay		1	233	0	320-acre spacing units for Red River Formation consisting of 2 contiguous quarter sections with permitted well no		
Red River		1	343	53	closer than 660' to exterior boundaries of spacing unit (Order 31-83). Commingle Red River, Dawson Bay in		
	2016	Production:	576	53	Williams 1-4 well (Order 148-00).		
Redstone					Cumulative Oil Production (Bbls): 512,047 Post-1986 Gas Production (MCF): 1,565		
Winnipegosis		1	2,663	0	160-acre spacing units for production from the Winnipegosis; wells no closer than 660' to spacing unit boundaries		
	2016	Production:	2,663	0	(Order 30-67).		
Refuge					Cumulative Oil Production (Bbls): 312,284 Post-1986 Gas Production (MCF): 151,649 Statewide.		
Repeat					Cumulative Oil Production (Bbls): 852,062 Post-1986 Gas Production (MCF): 4,000		
Red River		1	15,184	0	Statewide.		
	2016	Production:	15,184	0			
Reserve					Cumulative Oil Production (Bbls): 2,323,168 Post-1986 Gas Production (MCF): 567,377		
Red River		2	6,739	1,430	Delineated for Red River, Silurian, and Winnipegosis production with 160-acre spacing units; permitted well within		
	2016	Production:	6,739	1,430	1,320' square in center of quarter section; commingling of Red River and Interlake production permitted on individual well basis (Orders 34-66, 27-67). Field reduction (Order 68-85, 100-94). Redelineation and temporary spacing (Orders 11-96, 12-96, 66-96, 129-09).		
Reserve II					Cumulative Oil Production (Bbls): 231,644 Post-1986 Gas Production (MCF): 116,749		
Interlake		1	625	0	Single 160-acre spacing unit for Red River (Order 44-87). Single 160-acre spacing unit for Winnipegosis, Interlake		
	2016	Production:	625	0	and Gunton (Order 55-88).		
Reserve, South					Cumulative Oil Production (Bbls): 107,929 Post-1986 Gas Production (MCF): 99,027 Statewide, plus single spacing unit for Red River production (Order 33-86).		
Richey					Cumulative Oil Production (Bbls): 2,030,660 Statewide, original 80-acre spacing revoked (Order 11-73).		
Richey, East					Cumulative Oil Production (Bbls): 10,386 Statewide.		
Richey, Southwest					Cumulative Oil Production (Bbls): 1,919,407 Post-1986 Gas Production (MCF): 9,001		
Dawson Bay, Interlake		1	2,338	455	160-acre spacing units for production from Devonian, Silurian, and Ordovician; wells no closer than 900' to		
	2016	Production:	2,338	455	boundary of spacing unit (Order 25-62). Waterflood project in the Interlake and Dawson Bay (Order 34-65).		
Richey, West					Cumulative Oil Production (Bbls): 11,062 Statewide.		

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	<b>Cumulative Production And Regulation Summary</b>
Ridgelawn					Cumulative Oil Production (Bbls): 9,451,386 Post-1986 Gas Production (MCF): 8,178,386
Madison		2	782	30	160-acre Duperow spacing units; wells no closer than 660' to spacing unit boundary with 150' topographic tolerance
Mission Canyon		2	6,148	784	(Order 18-89). Ridgelawn Duperow Unit approved (Orders 49-89, 55-89 and 11-90). Red River spacing unit (Order
Ratcliffe		2	4,067	1,749	233-04).
Duperow		2	5,459	1,429	
Red River		3	25,762	77,330	
Ratcliffe, Mission Canyon		2	3,000	1,542	
	2016	Production:	45,218	82,864	
Ridgelawn, North					Cumulative Oil Production (Bbls): 512,482 Post-1986 Gas Production (MCF): 307,124
Madison		1	2,957	5,231	Single 640-acre spacing unit (Order 11-92).
Mission Canyon		1	0	0	
	2016	Production:	2,957	5,231	
Rip Rap Coulee					Cumulative Oil Production (Bbls): 1,304,340 Post-1986 Gas Production (MCF): 526,154
Ratcliffe		3	14,825	13,473	160-acre spacing units for Ratcliffe; wells located no closer than 660' from spacing unit boundary with 150'
	2016	Production:	14,825	13,473	topographic and geologic tolerance (Order 93-84). Single spacing unit, Ratcliffe 26N-59E-3: NW and 4: N/2 (Order 29-01).
River Bend					Cumulative Oil Production (Bbls): 275,733 Post-1986 Gas Production (MCF): 191,311 Statewide.
Rocky Boy Area					Post-1986 Gas Production (MCF): 6,657,016
Eagle		10	0	139,912	Statewide.
Eagle, Virgelle		3	0	37,914	
<b>3</b> - , <b>3</b>	2016	Production:	0	177,826	
Rocky Point					Cumulative Oil Production (Bbls): 719,027 Post-1986 Gas Production (MCF): 358,874
Red River		1	2,785	0	320-acre Red River spacing unit; wells no closer than 660' to exterior boundary (Order 22-79).
	2016	Production:	2,785	0	
Roscoe Dome					Cumulative Oil Production (Bbls): 18,615 Statewide. Steam injection into Greybull and Lakota formations (Order 40-82).
Rosebud					Cumulative Oil Production (Bbls): 620,740 Post-1986 Gas Production (MCF): 3,975
Tyler		2	1,755	0	Statewide. Rosebud "Tyler B" waterflood unit approved (Order 30-91).
•	2016	Production:	1,755	0	, , , , , , , , , , , , , , , , , , , ,
Rough Creek					Cumulative Oil Production (Bbls): 3,599 aka Duncan Creek
Rough Ridge					Ctatourida
					Statewide.
Royals					Cumulative Oil Production (Bbls): 411,287 Post-1986 Gas Production (MCF): 136,671
Dawson Bay		1	496	0	Statewide.
	2016	Production:	496	0	
Royals, South					Cumulative Oil Production (Bbls): 3,082 Statewide.

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary		
Rudyard					Cumulative Oil Production (Bbls): 37,429 Post-1986 Gas Production (MCF): 1,428,139		
Eagle		5	0	812	640-acre spacing units for Sawtooth gas production; well location in center of NW 1/4 of section with 75'		
Sawtooth		3	595	671	topographic tolerance (Order 2-58). Field reduction (Order 39-76). Two wells per spacing unit, 990' setback from		
	2016	Production:	595	1,483	spacing unit boundaries, 1320' between wells (Order 15-93). Rudyard (Eagle) delineation: 640-acre spacing units for Eagle Formation, 2 wells per spacing unit located no closer than 330' to interior spacing unit boundaries, 990' to field boundaries (Order 33-94).		
Runaway					Cumulative Oil Production (Bbls): 4,579		
Madison		1	47	0	Statewide.		
	2016	Production:	47	0			
Rush Mountain					Cumulative Oil Production (Bbls): 1,182,835 Post-1986 Gas Production (MCF): 392,233		
Ratcliffe		2	15,406	2,423	Statewide. Commingling, Hoffelt #2 well (Order 17-85).		
Gunton		1	39	0			
	2016	Production:	15,445	2,423			
Sage Creek					Post-1986 Gas Production (MCF): 2,290,218		
Second White Specks		7	0	16,701	640-acre spacing for horizons above the Kootenai, one producing well per section per formation to be located no		
Blackleaf		1	0	999	closer than 990' from section line (Order 38-77). Boundary amendment (Order 86-79). Enlargement (Orders 33-		
Bow Island		1	0	4,606	81, 65-83 and 36-84).		
Second White Specks, Spike		1	0	183			
• • •	2016	Production:	0	22,489			
Salt Lake					Cumulative Oil Production (Bbls): 1,337,101 Post-1986 Gas Production (MCF): 72,624		
Red River		1	6,142	0	Four 160-acre spacing units for Red River Formation with production allocation by stipulated agreement (Order 48-		
	2016	Production:	6,142	0	89).		
Salt Lake, West					Cumulative Oil Production (Bbls): 413,010		
Ratcliffe		1	8,615	0	Single 160-acre spacing unit for Ratcliffe production (Order 47-92).		
	2016	Production:	8,615	0			
Sand Creek					Cumulative Oil Production (Bbls): 2,413,819 Post-1986 Gas Production (MCF): 10,610		
					80-acre spacing units for production from the Silurian and Ordovician consisting of any two adjacent quarter-quarter sections; wells to be located in the center of NW and SE 1/4 of each quarter section with 150' topographic tolerance (Order 16-59). Commingling of Interlake and Red River production (Order 49-62). Field enlargement (Order 20-66).		
Sandwich					Post-1986 Gas Production (MCF): 2,252		
					320-acre spacing units for production of gas from Swift; wells to be located no closer than 990' to spacing unit boundaries (Order 17-77).		
Saturn					Cumulative Oil Production (Bbls): 42,805 Post-1986 Gas Production (MCF): 7,198 Statewide.		
Sawtooth Mountain					Post-1986 Gas Production (MCF): 36,834,969		
Eagle		78	0	684,928	640-acre spacing units for Eagle and Judith River formations, one well per section per formation located not less		
Judith River		8	0	20,965	than 990' from governmental section line (Order 45-76). One well per formation per quarter section in six sections;		
Judith River, Eagle		1	0	1,875	wells no closer than 660' to quarter section lines and 990' to section lines (Order 65-85). 4 wells per formation per section for 3 additional sections (Ordered 62-89). Numerous well density, location exceptions.		
	2016	Production:	0	707,768	Countries of administration (Oracious of Contries of Contries with actions, location exceptions.		
Scobey					Cumulative Oil Production (Bbls): 3,916 Statewide.		

Field, Reported Formation	# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Sears Coulee				Post-1986 Gas Production (MCF): 374,586
Dakota	1	0	9,658	Delineated for gas, surfact to top of Kootenai, 160-acre spacing units, NW/4 and SW/4 of 36N-4E-3 (Order 211-02
	2016 Production:	0	9,658	
Second Creek				Cumulative Oil Production (Bbls): 1,466,168 Post-1986 Gas Production (MCF): 375,465 303.1-acre Red River spacing unit (Order 34-78). 160-acre Duperow spacing units; well locations for each unit as specified (Order 119-80). Duperow spacing units combined into single spacing unit (Order 97-98).
Second Guess				Cumulative Oil Production (Bbls): 42,369
Madison	2	798	0	40-acre spacing units for oil production from top 100' of Mississippian Madison Formation to the surface; wells to b
	2016 Production:	798	0	located no closer than 330' to the spacing unit boundaries with 75' for topographic tolerance (Order 57-91).
Sheepherder				Cumulative Oil Production (Bbls): 76,942 Statewide.
Shelby Area				
One by Alex				Statewide.
Shelby, East				Post-1986 Gas Production (MCF): 890,579
Bow Island	1	0	3,908	640-acre spacing units for all formations from the surface to the top of the Rierdon Formation (Order 8-91).
Burwash	1	0	282	Enlarged, amended to allow 2 wells per spacing unit no closer than 990' to the section line and no closer than 990'
Sunburst	3	0	7,748	to another well in the same section producing from the same horizon (Order 45-91). Enlarged for Bow Island
	2016 Production:	0	11,938	production (Order 61-91).
Sherard			,	Post-1986 Gas Production (MCF): 1,907,028
Eagle	15	0	42,290	640-acre Eagle spacing units; 990' setback from section line (Order 1-74). 160-acre Eagle spacing units for
9-0	2016 Production:	0	42,290	Section 8, T25N, R17E; wells located no closer than 990' from section line, 660' from quarter section line (Order 7-77). Enlarged, well locations no closer than 660' from quarter section line in enlarged area (Order 4-83). 320-acre Eagle gas spacing units for Sections 19 and 30, T26N, R17E; wells no closer than 990' to spacing unit boundaries (Order 24-87).
Sherard, Area				Post-1986 Gas Production (MCF): 40,162,716
Eagle	65	0	369,190	Statewide, numerous exceptions.
Judith River	11	0	44,550	
Eagle, Virgelle	1	0	27,000	
Judith River, Eagle	8	0	21,135	
	2016 Production:	0	461,875	
Short Creek				Cumulative Oil Production (Bbls): 8,950 Single 640-acre Nisku spacing unit with 4 horizontal wells, 330' setback from section lines (Order 40-99).
Shotgun Creek Ratcliffe	7	25,610	19,416	Cumulative Oil Production (Bbls): 1,386,223 Post-1986 Gas Production (MCF): 412,607 Statewide.
	2016 Production:	25,610	19,416	
Shotgun Creek, North				Cumulative Oil Production (Bbls): 100,054 Post-1986 Gas Production (MCF): 6,684 320-acre spacing units for Red River and Gunton production; wells located no closer than 660' to spacing unit boundaries and 1500' to another well producing from the same formation (Order 49-77).

Field, Reported Formation	# of Wells Oil, Bbls Gas, MCF Cumulative Production And Regulation Summary	
Sidney	Cumulative Oil Production (Bbls): 3,776,908 Post-1986 Gas Production (MCF):	785,346
Madison	3 3,167 382 160-acre spacing units for Madison group with one well per spacing unit to be located no closer to	
Ratcliffe	2 4,078 1,814 boundary and no closer than 1,650' to well producing from the same formation (Order 5-79). Fie	ld enlargement
	2016 Production: 7,245 2,196 (Order 99-80).	
Sidney, East	Cumulative Oil Production (Bbls): 650,201 Post-1986 Gas Production (MCF): Statewide.	98,554
Signal Butte		
Singletree	Cumulative Oil Production (Bbls): 373,992 Post-1986 Gas Production (MCF): Single spacing unit for production from Winnipegosis (Order 78-84).	82,327
Sioux Pass	Cumulative Oil Production (Bbls): 6,405,816 Post-1986 Gas Production (MCF):	2,639,028
Interlake	2 13,308 6,230 320-acre spacing units for Interlake and Red River consisting of two adjacent governmental guar	ter sections lying
Putnam Member	1 3,817 2,563 north-south or east-west at operator's option; permitted well no closer than 660' from unit boundary	ary; 160-acre
Red River	spacing units for Mission Canyon with well no closer than 660' from unit boundary; commingling	
Stonewall	Red River production authorized (Orders 10-75, 15-77). Amended field boundary (Order 15-77). 2 20,795 14,680 (Order 89-81). Additional wells (Orders 82-96, 83-96). Additional Red River-Interlake well, 25N-	
0.0	2016 Production: 73,696 49,747 96-01).	07 E 20.0E (Older
Sioux Pass, East	Cumulative Oil Production (Bbls): 89,267 Post-1986 Gas Production (MCF): Statewide.	895
Sioux Pass, Middle	Cumulative Oil Production (Bbls): 1,968,376 Post-1986 Gas Production (MCF):	900,515
Red River	2 7,087 14 320-acre spacing units for Red River Formation to consist of two contiguous governmental quart	•
	2016 Production: 7,087 14 operator's option; location to be no closer than 660' from exterior boundary of unit and no closer well producing from same formation; commingling upon administrative approval (Order 55-76). I (Order 39-81).	than 1,650' from
Sioux Pass, North	Cumulative Oil Production (Bbls): 6,677,788 Post-1986 Gas Production (MCF):	2,650,611
Madison	1 2,012 989 320-acre spacing units for Red River, Interlake, Winnipegosis, Nisku, Madison; well locations at	least 660' from unit
Ratcliffe	2 1,207 560 boundary (Orders 12-75, 17-76, 8-79). Commingling approved (Order 17-76). 150' topographic	tolerance (Order
Nisku	3 23 960 11 505 10-81). Field extensions (Orders 12-77, 13-79 and 48-81). Two 320-acre spacing units for Dupe	
Red River	80, 74-82). Additional well, E2 26N-58E-7 (Order 30-97). Additional wells (Orders 103-00, 104-0 13,520 7,731 redesignation, allowance for horizontal wells (Order 105-00). 160-acre Ratcliffe spacing unit, NV	
	2016 Production: 39,599 20,875 (Order 157-02).	2014 30L 7
Sioux Pass, South	Cumulative Oil Production (Bbls): 386,383 Post-1986 Gas Production (MCF):	175,396
Red River	2 3,757 0 Statewide.	ŕ
	2016 Production: 3,757 0	
Sioux Pass, West	Cumulative Oil Production (Bbls): 592,721 Post-1986 Gas Production (MCF):	369,658
Red River	2 6,472 15 Designated 320-acre spacing units for Red River Formation (Orders 105-98, 106-98).	
	2016 Production: 6,472 15	
Sixshooter Dome	Post-1986 Gas Production (MCF):	2,948,082
Big Elk Sandstone	1 0 3,156 160-acre spacing units for gas production at a depth from 969' to 1500'; wells no closer than 660	' to spacing unit
Lakota	1 0 8,752 boundary with 75' topographic tolerance (Order 18-92).	
	2016 Production: 0 11,908	
Smoke Creek	Cumulative Oil Production (Bbls): 100,305 Statewide.	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Snake Creek					Cumulative Oil Production (Bbls): 146,846 Post-1986 Gas Production (MCF): 126,935
					Designated 320-acre spacing unit for Gunton, Winnipegosis, Red River (Order 63-98).
Snoose Coulee					Cumulative Oil Production (Bbls): 8,208 Post-1986 Gas Production (MCF): 1,048,499
Bow Island		11	367	20,952	640-acre spacing units for Bow Island and shallower formations; wells no closer than 990' to spacing unit boundar
Sunburst		1	0	2,485	(Order 18-77). 320-acre Sunburst gas spacing unit approved (Order 58-88). Field enlargement, authorization for
	2016	Production:	367	23,437	two wells per section for formations above the Kootenai, 660' setback from section lines, commingling (Order 30-00).
Snow Coulee					Post-1986 Gas Production (MCF): 27,938
Sunburst		1	0	406	Two 320-acre spacing units for Sunburst gas production (Order 78-76).
	2016	Production:	0	406	
Snowden					Cumulative Oil Production (Bbls): 1,938
					Statewide.
Snyder					Cumulative Oil Production (Bbls): 477,620
-					10-acre spacing units with center 5-spot permitted; 150' topographic tolerance (Order 45-62).
Soap Creek					Cumulative Oil Production (Bbls): 3,563,481
Tensleep		8	2,171	0	One well per 10-acre spacing unit per producing formation; well location in center of spacing unit with 100'
Amsden		1	693	0	topographic tolerance. Delineation includes Madison, Amsden, and Tensleep formations (Order 26-60).
Madison		18	19,584	0	
Madison, Amsden		5	6,924	0	
Tensleep, Amsden 1 1,589	0				
	2016	Production:	30,961	0	
Soap Creek, East					Cumulative Oil Production (Bbls): 300,894
Tensleep		4	5,331	0	Statewide.
	2016	Production:	5,331	0	
Soberup Coulee					Post-1986 Gas Production (MCF): 6,809
					320-acre 2nd Bow Island Sandstone spacing units, consisting of E 1/2 and W 1/2 of delineated section with locations no closer than 660' to spacing unit boundaries (Order 25-79).
South Fork					Cumulative Oil Production (Bbls): 1,308,398 Post-1986 Gas Production (MCF): 343,228
Mission Canyon		1	2,637	2,276	Statewide.
·	2016	Production:	2,637	2,276	
Spring Coulee					Post-1986 Gas Production (MCF): 560,497
Niobrara		1	0	322	Statewide.
	2016	Production:	0	322	
Spring Lake					Cumulative Oil Production (Bbls): 1,978,450 Post-1986 Gas Production (MCF): 600,649
Bakken		1	2,774	0	Delineated for Red River and Nisku formations with one well per 160-acre spacing unit; well location anywhere
Dawson Bay		1	1,982	1,795	within 840' square in center of spacing unit (Order 6-63). Field redelineation (Orders 30-76, 49-76). Single 320-
Red River		1	1	0	acre spacing unit for Bakken Formation production (Order 26-95). Bakken spacing unit, 25N-54E-35: All, authorization for two horizontal wells (Order 128-00). Remove 25N-54E-36: SW, create temporary spacing unit
	2016	Production:	4,757	1,795	(Order 25-01).
Spring Lake, South					Cumulative Oil Production (Bbls): 114,064 Post-1986 Gas Production (MCF): 51,074
. • .					Single designated Red River Fm. spacing unit (Order 81-81).

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Spring Lake, West					Cumulative Oil Production (Bbls): 106,735 Post-1986 Gas Production (MCF): 85,597
Bakken		1	614	1,013	Single 160-acre Duperow spacing unit (Order 42-82).
	2016	Production:	614	1,013	
St. Joe Road					Cumulative Oil Production (Bbls): 202 Post-1986 Gas Production (MCF): 23,075,455
Eagle		7	0	38,462	
Judith River		3	0	48,655	
Niobrara		69	0	254,719	
Eagle, Niobrara		2	0	3,610	
Judith River, Niobrara		1	0	3,124	
	2016	Production:	0	348,570	
Stampede					Cumulative Oil Production (Bbls): 435,035 Post-1986 Gas Production (MCF): 331,733
<b>,</b>					320-acre specified spacing units for the Red River Formation; 160-acre spacing units for the Duperow Formation
					with well location to be no closer than 660' from a spacing unit boundary line (Order 19-82).
Stampede, North					Cumulative Oil Production (Bbls): 4,566
					Single Nisku Fm. spacing unit (Order 29-82).
Chamarrad					Ourseletive Oil Deaducation (Disla): 40 COO OAF
Stensvad		2	10.010	0	Cumulative Oil Production (Bbls): 10,600,045
Tyler	2016	Production:	12,219	0 0	40-acre spacing units; well location in center of spacing unit with 200' tolerance (Orders 2-59 and 7-60). Wells may be drilled anywhere within waterflood unit boundary, no closer than 660' to unit boundary (Order 5-65, amended).
	2016	Production.	12,219	U	Field enlarged (Order 22-59). Waterflood area enlarged (Order 9-67).
Strater					
Oli aloi					Delineated for production of gas from the Phillips, 160-acre spacing units, 660' setback (Order 103-81).
Strawberry Creek Area					Post-1986 Gas Production (MCF): 704,830
Bow Island		1	0	22	Statewide.
Don loland	2016	Production:	0	22	oldiomos.
Studhorse			<u></u>		Cumulative Oil Production (Bbls): 233,581 Post-1986 Gas Production (MCF): 1,789
Tyler		2	1,845	0	Statewide.
i yici	2016	Production:	1,845	0	Statewide.
0	2010	1 TOGGOTTOTT.	1,040	<u> </u>	Overalative Oil Decidentian (Dide) 47 470 FOA Decidentia (MOE) 257 457
Sumatra		0	4 474	0	Cumulative Oil Production (Bbls): 47,478,594 Post-1986 Gas Production (MCF): 257,155
Amsden		2	1,174	0	40-acre spacing units; well located in center of unit with 75' tolerance (Order 14-58). Field redelineated (Orders 14-75 and 16-72). Vacuum pumps permitted on certain wells (Orders 99-79 and 32-80). Seven waterflood units
Tyler		27	51,250	0	(Orders 48-67, 6-69, 19-69, 23-69, 5-75, 21-78, and 43-80). Convert CSTSU, SESTSU and Kincheloe Sumatra
Lower Tyler		6 1	7,065	0	Unit to tertiary recovery projects (Orders 99-84, 100-84 and 29-85). Certification of Kincheloe Sumatra Unit (Order
Heath	2016	Production:	851 60,340	0 0	23-95) and West Sumatra Unit (Order 68-95) as expanded enhanced recovery projects. Grebe-Kincheloe waterflood unit approved (Order 175-02).
	2010	FIOGUCIIOII.	00,340	0	materileda dilit approved (erder 170 ez).
Sumatra Gas					
					Statewide
Sundown					Cumulative Oil Production (Bbls): 40,626
					Single Red River Formation spacing unit (Order 11-97).
Sunny Hill					Cumulative Oil Production (Bbls): 273,589
, · · · · ·					320-acre Red River & Duperow spacing units; wells no closer than 660' to exterior spacing unit boundaries nor
					closer than 1,650' to any well producing from same formation. 160-acre Madison spacing units; location no closer
					than 660' to section or quarter section lines (Order 39-78). Field reduction (Order 79-84).

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary			
Sunny Hill, West					Cumulative Oil Production (Bbls): 194,871 Post-1986 Gas Production (MCF): 107,778			
					Single 320-acre spacing unit consisting of S/2, Sec. 14, T31N, R57E (Order 55-93).			
Swanson Creek					Post-1986 Gas Production (MCF): 8,347,604			
Phillips		65	0	118,976	320-acre spacing units (Order 36-75), amended to enlarge field and provide that spacing units may run north-sout			
Greenhorn-Phillips		5	0	4,678	or east-west with permitted wells to be no closer than 990' to section or quarter section lines (Order 11-78). Field			
Bowdoin, Phillips		1	0	2,541	enlargement (Orders 32-78, 92-79, 66-80 and 55-81). Previous orders amended to allow one additional well in each existing 320-acre spacing unit, no more than one well per guarter section located no closer than 660' to the			
	2016	Production:	0	126,195	quarter section boundaries (Order 28-82).			
Sweetgrass					Post-1986 Gas Production (MCF): 803,262			
					Single Sunburst gas spacing unit (Order 121-82).			
Target					Cumulative Oil Production (Bbls): 1,911,894 Post-1986 Gas Production (MCF): 475,073			
Ratcliffe		2	2,883	2,591	Single spacing unit for Mission Canyon/Ratcliffe formations (Order 18-82). Field enlargement and establishment of			
2010 HOUGION, 2.000 2.031 '	160-acre spacing units with permitted well locations to be no closer than 660' to the unit boundaries; 150' tolerance for topographic reasons (Order 35-82). Field enlargement (Order 23-84). Ratcliffe spacing unit, 29N-58E-3: W2 (Order 83-00). Enlargement and spacing (Order 116-01).							
Thirty Mile					Cumulative Oil Production (Bbls): 17,968 Post-1986 Gas Production (MCF): 551,958			
Eagle		5	0	12,557	Statewide.			
Sawtooth		2	87	0				
	2016	Production:	87	12,557				
Three Buttes					Cumulative Oil Production (Bbls): 813,998 Post-1986 Gas Production (MCF): 428,269			
Red River		1	7,588	6,657	160-acre spacing units for Madison Group formations, wells no closer than 660' from spacing unit boundaries			
	2016	Production:	7,588	6,657	(Order 11-81). Red River and Bakken Fm. delineation, SW/4 23N-57E-19 (Order 59-97, vacated by Order 125-04			
Three Mile					Post-1986 Gas Production (MCF): 1,279,375			
Eagle		1	0	5,665	Statewide.			
	2016	Production:	0	5,665				
Tiber					Post-1986 Gas Production (MCF): 57,019			
Bow Island		2	0	640	Two wells per each gas producing horizon from the surface down to and including the Kootenai Formation per			
	2016	Production:	0	640	section; 990' setbacks and 1,320' between wells in each section (Orders 143-81, 21-84 and 28-85). Field enlargement (Orders 116-01, 117-01).			
Tiber, East					Post-1986 Gas Production (MCF): 2,271,229			
Bow Island		11	0	7,189	Two wells from same Bow Island horizon per section located no closer than 990' to section lines and 1,320' to each			
	2016	Production:	0	7,189	other (Orders 21-84 and 28-85). Field enlargement (Order 17-01).			
Tiger Ridge					Post-1986 Gas Production (MCF): 339,676,246			
Eagle		549	0	3,544,028	Field delineation and redelineations (Orders 17-67, 23-68, 10-70, 13-75, 46-78, 48-79, 26-80, 30-89, 10-90 and 66			
Judith River		16	0	24,799	91). Statewide spacing for area not unitized. Numerous well density, location exceptions.			
Judith River, Eagle		3	0	37,080				
	2016	Production:	0	3,605,907				
Tiger Ridge, North					Post-1986 Gas Production (MCF): 19,382			
					160-acre spacing units; one well per horizon per spacing unit from the Virgelle Formation to the surface; well to be no closer than 990' to the section line nor closer than 660' to the interior quarter section line (Order 80-79).			

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Timber Creek					Post-1986 Gas Production (MCF): 7,003 320-acre Sunburst Sandstone spacing units consisting of two contiguous quarter sections oriented either north south or east west; locations no closer than 660' to internal spacing unit boundaries, or 990' to external boundaries (Order 24-75).
<b>Timber Creek, West</b> Sunburst		1	0	28	Post-1986 Gas Production (MCF): 387,977 Single 640-acre spacing unit for Sunburst Sandstone production, Sec. 6, T35N, R1E (Order 91-76).
	2016	Production:	0	28	
Tinder Box					Cumulative Oil Production (Bbls): 160,651 Post-1986 Gas Production (MCF): 1,335
Tyler		2	3,523	0	Statewide.
Lower Tyler		1	204	0	
	2016	Production:	3,727	0	
Tippy Buttes					Cumulative Oil Production (Bbls): 126,246 Post-1986 Gas Production (MCF): 2,219 Statewide. Water injection into lower Tyler Formation (Order 57-82).
Toluca					Post-1986 Gas Production (MCF): 1,783,668
Belle Fourche		67	0	87,906	Delineated for production of gas from the surface through the Frontier Fm. with 160-acre spacing units, 660'
Greenhorn		1	0	1,281	setback from spacing unit boundaries (Order 28-83). Field enlargement (Order 42-02).
Belle Fourche, Greenhorn		20	0	25,017	
	2016	Production:	0	114,204	
Trail Creek					Post-1986 Gas Production (MCF): 2,321,113
Bow Island		5	0	16,678	One well per 320-acres consisting of S 1/2 and N 1/2 of each governmental section but not closer than 990' from
Sunburst		2	0	6.745	spacing boundary (Orders 33-70, 28-76). Field enlargements (Order 135-80).
Swift, Sunburst		1	0	9,129	
ownt, canoarot	2016	Production:	0	32.552	
Tule Creek				- ,	Cumulative Oil Production (Bbls): 8,567,479 Post-1986 Gas Production (MCF): 255,228
Nisku		1	3,567	1,962	160-acre spacing units with permitted well anywhere within 1,320' square in center of each unit (Orders 26-62, 6-65
Nisku	2016	Production:	3,567	1.962	11-67, 5-77, 52-86).
	2010	i iodaction.	0,007	1,502	
Tule Creek, East					Cumulative Oil Production (Bbls): 2,056,293 Post-1986 Gas Production (MCF): 66,934 160-acre Nisku spacing units for Devonian Nisku with permitted well anywhere within 1,320' square in center of each unit (Orders 40-64, 6-65, 4-86).
Tule Creek, South					Cumulative Oil Production (Bbls): 1,106,209
Nisku		1	2,895	0	160-acre Nisku spacing units with permitted well anywhere within a 1,320' square in center of each unit (Orders 34-
	2016	Production:	2,895	0 64, 6-65).	64, 6-65).
Two Forks					Statewide.
Two Medicine Creek					Cumulative Oil Production (Bbls): 10,249
					Statewide.
Two Waters					Cumulative Oil Production (Bbls): 464,390 Post-1986 Gas Production (MCF): 906,131
Red River		1	4,614	2,602	Statewide.
	2016	Production:	4,614	2,602	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Utopia					Cumulative Oil Production (Bbls): 1,101,484 Post-1986 Gas Production (MCF): 4,664,031
Bow Island		4	0	5,814	640-acre spacing units for formations between top of Kootenai and top of Greenhorn; well location no closer than
Swift		19	12,298	16,317	990' to any section line (Order 13-80). 40-acre spacing units for Swift Formation; location to be in center of quarte
Sawtooth		2	0	22,373	quarter section with 100' topographic tolerance (Order 9-78). Spacing units shall consist of 1 well per quarter- quarter section located no closer than 330' to the section boundary (Order 96-81). Utopia Swift Unit (Orders 11-89
	2016	Production:	12,298	44,504	38-89, 33-90). Certification as expanded enhanced recovery project effective 10/1/94 (Order 88-94).
Valier					Post-1986 Gas Production (MCF): 22,568
					320-acre spacing units for production of gas from all formations from the top of the Kootenai Formation to the surface; one well per spacing unit per formation, wells no closer than 660' to spacing unit boundaries and 990' to field boundaries (Order 15-91).
Vandalia					Post-1986 Gas Production (MCF): 820,555
Bowdoin		1	0	50	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn, and Phillips) exist a well may be
	2016	Production:	0	50	drilled to each formation; wells to be located no closer than 660' to the spacing unit boundaries (Order 61-82).
Vaux					Cumulative Oil Production (Bbls): 6,325,586 Post-1986 Gas Production (MCF): 3,129,268
Madison		3	2,352	183	Single spacing unit with commingling approved for Madison group (Order 63-83). Single spacing unit for
Mission Canyon		2	1,961	39	Mississippian Bakken Formation (Order 20-86). Single 160-acre spacing unit for Mission Canyon Formation
Silurian Undifferentiated		1	197	0	(Orders 25-87, 10-00).
Madison, Bakken		1	3,761	1,590	
Mission Canyon, Bakken		2	4,290	2,370	
Ratcliffe, Mission Canyon		1	4,515	17	
Stonewall, Red River		1	6,110	3,997	
,	2016	Production:	23,186	8,196	
Vida					Cumulative Oil Production (Bbls): 264,988
					Interlake, 160-acre spacing units with wells located in an 840' square in the center but at least 900' from spacing unit boundaries (Order 39-63). Field reduction (Order 79-76).
Viking					Cumulative Oil Production (Bbls): 160 Field delineation vacated (Order 8-84).
Volt					Cumulative Oil Production (Bbls): 4,949,829 Post-1986 Gas Production (MCF): 15,304
Nisku		4	31,098	274	160-acre Nisku spacing units with permitted well anywhere within a 1,320' square in center of each unit (Orders 27
	2016	Production:	31,098	274	64, 6-65, 32-65).
Waddle Creek					Post-1986 Gas Production (MCF): 235,430
					80-acre spacing units, 220' setback, for coals within the Fort Union Fm. (Order 379-2006).
Wagon Box					Cumulative Oil Production (Bbls): 32,412
					Statewide.
Wagon Trail					Cumulative Oil Production (Bbls): 43,321
					Single 320-acre designated spacing unit (Order 2-83).
Wakea					Cumulative Oil Production (Bbls): 3,362,630 Post-1986 Gas Production (MCF): 917,119
Nisku		1	141	0	Two 320-acre spacing units (Order 84-83). Field enlarged; wells located no closer than 660' to spacing unit
Red River		1	9,188	9,920	boundaries. Delineation includes Red River, Nisku, Duperow, Winnipegosis, Interlake and Gunton Formations
Red River, Winnipegosis		1	3,141	0	(Order 34-84). Commingling of production from Nisku and Duperow Formations in one well (Order 59-91).
	2016	Production:	12,470	9,920	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Waterhole Creek					Cumulative Oil Production (Bbls): 2,519,051 Post-1986 Gas Production (MCF): 1,649,532
Red River		4	48,008	16,911	Delineation for production of oil from horizontal Red River Formation wells; spacing units set by order (Order 120-
	2016	Production:	48,008	16,911	97).
Weed Creek					Cumulative Oil Production (Bbls): 672,518 Post-1986 Gas Production (MCF): 9,341
Amsden		1	1,259	0	Statewide.
	2016	Production:	1,259	0	
Weldon					Cumulative Oil Production (Bbls): 7,050,531
					Delineated for production of oil from Kibbey Fm.; 80-acre spacing units, location at approx. center of NE and SW quarter quarter with 200' topo. tolerance (Order 9-65). Spacing exceptions (Orders 37-65, 21-66, 43-81, 34-88).
West Butte					Cumulative Oil Production (Bbls): 346,451 Post-1986 Gas Production (MCF): 692,580
Bow Island		3	0	12,846	Sawtooth-Madison gas commingled, unitized; no well closer than 330' to unit boundary (Order 5-72).
Sunburst		3	345	1	
	2016	Production:	345	12,847	
West Butte Shallow Gas					Post-1986 Gas Production (MCF): 298,939
Bow Island		2	0	3,074	160-acre spacing units; with one well permitted for each gas producing formation above the top of the Kootenai
	2016	Production:	0	3,074	within each 160-acre spacing unit; well locations not closer than 990' to spacing unit boundaries (Order 39-77).
West Fork					Cumulative Oil Production (Bbls): 6,671 Statewide.
Weygand					Cumulative Oil Production (Bbls): 310,807 Post-1986 Gas Production (MCF): 401,542
Eagle		3	0	12,005	Statewide.
Sawtooth		3	6,450	0	
	2016	Production:	6,450	12,005	
White Bear					Post-1986 Gas Production (MCF): 191,011
					Designated spacing units for production of gas from the Eagle Formation.
Whitewater					Post-1986 Gas Production (MCF): 56,650,555
Niobrara		8	0	12,215	640-acre spacing units with 2 wells per formation (Orders 41-82 and 14-89). 4 wells per formation per spacing unit
Phillips		81	0	315,496	no closer than 660' to spacing unit boundaries, 1,320' between wells producing from the same formation, 150' of
Bowdoin, Greenhorn, Phillips, Nio	brara	1	0	7,158	tolerance for geologic or topographic reasons (Order 15-89). Pilot infill drilling program approved for a portion of the field with up to 8 wells per spacing unit with between-well distance reduced to 990' (Order 15-91). Expand pilot
Niobrara, Greenhorn, Phillips		13	0	58,770	infill drilling program (Order 6-92). Niobrara included as delineated formation (Order 146-00). Enlargement (Order
Bowdoin, Greenhorn		1	0	5,329	281-04).
Bowdoin, Greenhorn, Phillips		3	0	8,826	
Greenhorn-Phillips		2	0	7,948	
Bowdoin, Phillips		4	0	12,122	
Phillips, Niobrara		180	0	569,179	
Bowdoin, Niobrara		1	0	1,988	
Bowdoin, Phillips, Niobrara		11	0	44,126	
	2016	Production:	0	1,043,157	

Field, Reported Formation	# of Well	s Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Whitewater, East				Post-1986 Gas Production (MCF): 7,348,140
Greenhorn		0	832	640-acre spacing units with two wells allowed per formation to be located anywhere within the spacing unit but not
Martin Sandstone		0	623	closer than 990' to spacing unit boundary (Order 100-83). 4 wells per formation per spacing unit no closer than
Phillips	3	5 0	112,129	1,320' to another well producing from the same formation with 150' tolerance for geologic or topographic reasons (Order 65-89). Pilot infill drilling program in Section 31, T33N, R34E allowing up to 8 wells with 990' between wells,
Bowdoin, Greenhorn, Phillips, Niobra	ara	0	1,420	150' tolerance and 660' setbacks (Order 7-92). Field enlargement, commingling (Order 33-98).
Bowdoin, Greenhorn, Phillips		2 0	2,310	
Phillips, Niobrara		2 0	6,230	
Bowdoin, Phillips, Niobrara		2 0	3,253	
201	16 Production	on: 0	126,797	
Whitlash				Cumulative Oil Production (Bbls): 6,531,279 Post-1986 Gas Production (MCF): 15,628,851
Bow Island	3	1 443	221,922	Gas: 330' from legal subdivision line and 2,400' between wells, 75' topographic tolerance. Oil: 330' from legal
Dakota		2 0	7,185	subdivision line and 650' between wells; 5-spot location at center of 40-acre tract; 75' topographic tolerance (Orders
Sunburst		2 0	15,174	16-54, 27-70). Include S 1/2 of Section 30, T37N, R4E. SW 1/4 of 30 is 1 spacing unit, SE 1/4 is the other; well
Spike Zone, Blackleaf Fm.		_	11,490	location no closer than 990' from spacing unit boundary (Order 45-81). Whitlash East (Shafer) Swift Sand Unit (Order 6-99). Whitlash East (State) Swift Sand Unit (Order 7-99). Whitlash Northeast Swift Sand Unit (Order 87-
Swift	3	_	39,818	99).
Bow Island, Dakota		111	14,673	
Bow Island, Dakota, Kootenai			5,582	
Bow Island, Blackleaf		. 0	7,334	
Bow Island, Sunburst		. 0	17,657	
Bow Island, Swift		2 0	32,179	
Spike, Bow Island, Sunburst		-	6,952	
Swift, Sunburst	2	_	17,455	
201			397,421	
Whitlash, West		00,0.0	307,121	Cumulative Oil Production (Bbls): 164,097 Post-1986 Gas Production (MCF): 404,736
Sunburst		5 524	11,340	Gas: 160-acre spacing units consisting of guarter sections; well location anywhere within a 660' square in center of
		849	1,473	spacing unit. Oil: 330' from legal subdivision line, 650' between wells in same reservoir on same lease; 5-spot
Swift, Sunburst 20°			12,813	location permitted (Orders 61-62, 22-65). Amendment (Order 48-77). Field extension (Order 18-79).
	io i ioduciii	1,575	12,013	0 1 1 0 1 0 1 1 (7) 1 0 70
Wibaux				Cumulative Oil Production (Bbls): 23,580
				Statewide.
Wild Horse				Post-1986 Gas Production (MCF): 230
				Statewide.
Wildcat Glacier				Cumulative Oil Production (Bbls): 110,156 Post-1986 Gas Production (MCF): 208,859
Cone Calcareous Member		1,168	68 1,937	
201	6 Production	n: 1,168	1,937	
Wildcat Musselshell				Cumulative Oil Production (Bbls): 12,077 Post-1986 Gas Production (MCF): 1,501
Wildcat Petroleum				Cumulative Oil Production (Bbls): 5,527
Wildcat Rosebud, N				Cumulative Oil Production (Bbls): 221,883 Post-1986 Gas Production (MCF): 58,673
Heath		24,239	5,785	
201	6 Production	on: 24,239	5,785	

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary
Williams					Post-1986 Gas Production (MCF): 2,344,572
Bow Island		17	0	30,846	640-acre spacing unit; well to be located no closer than 990' to exterior boundary for all formations above the
	2016	Production:	0	30,846	Kootenai (Order 49-79). Enlargement (Order 102-79, 11-83).
Willow Creek, North					Cumulative Oil Production (Bbls): 476,614
Tyler		3	3,122	0	Statewide. Pilot waterflood (Order 19-72).
	2016	Production:	3,122	0	
Willow Ridge					Cumulative Oil Production (Bbls): 79,058 Post-1986 Gas Production (MCF): 816,392
Bow Island		5	0	1,782	640-acre spacing units, 990' setback from spacing unit boundary for gas production from all formations from the
Burwash		2	631	0	surface to the top of the Kootenai (Order 29-78). 40-acre spacing units for oil production from the Burwash; 5 wells
	2016	Production:	631	1,782	in each spacing unit to be located in the center of each 10 acre quarter-quarter-quarter section and one in the center of each 40-acre subdivision, 75' topographic tolerance (Order 30-78). Willow Ridge (Burwash) Unit (Order 88-97).
Willow Ridge, South					Cumulative Oil Production (Bbls): 3,686 Post-1986 Gas Production (MCF): 6,205,623
Sunburst		2	14	68,993	Statewide.
	2016	Production:	14	68,993	
Willow Ridge, West					Post-1986 Gas Production (MCF): 513,172
Bow Island		3	0	8,768	Delineated for gas production from the 4th Bow Island sand; 640-acre spacing units, wells to be located no closer
	2016	Production:	0	8,768	than 990' to spacing unit boundaries (Order 3-88).
Wills Creek, South					Cumulative Oil Production (Bbls): 2,370,268 Post-1986 Gas Production (MCF): 299,650
	160-acre spacing units for Siluro-Ordovician; well location in center of SE 1/4 of each unit with 175' topographic				
	2016	Production:	32,113	6,445	tolerance (Orders 5-64, 30-66). Waterflood initiated 12-1-73 (Order 23-73). Field enlargement, designation of single 640-acre spacing unit for up to 4 horizontal or vertical wells (Order 4-95).
Windmill					Cumulative Oil Production (Bbls): 31,943 Post-1986 Gas Production (MCF): 14,281 Statewide.
Windy Ridge					Cumulative Oil Production (Bbls): 3,002,028 Post-1986 Gas Production (MCF): 2,499,436
Red River		15	250,468	69,111	Delineated for production of oil from horizontal Red River Formation wells; spacing units set by order. (Order 121-
	2016	Production:	250,468	69,111	97). Redelineated (Order 130-00).
Winnett Junction					Cumulative Oil Production (Bbls): 1,206,972
Tyler		1	3,578	0	20-acre spacing units consisting of W 1/2 and E 1/2 of quarter-quarter section, no closer than 120' to the boundary
·	2016	Production:	3,578	0	of a spacing unit (Order 57-76). Certain lands vacated (Order 41-77). A waterflood operation commenced October 1, 1977 into Tyler Formation (Order 41-77).
Wolf Creek					Cumulative Oil Production (Bbls): 1,979 Statewide.
Wolf Springs	-				Cumulative Oil Production (Bbls): 4,991,040 Post-1986 Gas Production (MCF): 10,563
Amsden		6	9,245	520	80-acre Amsden spacing units consisting of N 1/2 and S 1/2 of each quarter section; well location in center of NW
	2016	Production:	9,245	520	1/4 and SE 1/4 of each quarter section with 75' topographic tolerance (Orders 4-56, 9-59). Boundary changes (Orders 92-76 and 5-90).
Wolf Springs, South					Cumulative Oil Production (Bbls): 930,653
Amsden		2	21	0	80-acre spacing units for Amsden comprised of W 1/2 or E 1/2 of quarter section; wells located center of NW 1/4 or
	2016	Production:	21	0	SE 1/4 of quarter section with 150' topographic tolerance (Order 57-84). Field enlargement (Order 8-85). Wolf Springs Amsden Unit (Order 23-92). Expanded enhanced recovery unit effective 6/29/94 (Order 52-9

Field, Reported Formation		# of Wells	Oil, Bbls	Gas, MCF	Cumulative Production And Regulation Summary			
Womans Pocket					Cumulative Oil Production (Bbls): 3,526 Statewide			
Woodrow					Cumulative Oil Production (Bbls): 1,587,604 Post-1986 Gas Production (MCF): 81,980			
Charles		1	4,745	402	80-acre spacing units consisting of any two adjacent quarter-quarter sections; well locations in center of NE 1/4 and			
Silurian Undifferentiated		1	6,863	525	SW 1/4 of each quarter section with 200' topographic tolerance (Order 47-62). Horizontal well authorizations			
	2016	Production:	11,608	927	(Orders 41-00, 42-00, 43-00).			
Wrangler					Cumulative Oil Production (Bbls): 911,202 Post-1986 Gas Production (MCF): 487,485			
Red River		1	2,997	0	320-acre spacing units for production from Red River Formation consisting of W 1/2 and E 1/2 of Sec. 25 T34N,			
	2016	Production:	2,997	0	R56E (Order 44-85).			
Wrangler, North					Cumulative Oil Production (Bbls): 225,104 Post-1986 Gas Production (MCF): 56,174			
					Statewide.			
Wright Creek					Cumulative Oil Production (Bbls): 428,197 Post-1986 Gas Production (MCF): 229,188			
Muddy		4	2,229	4,042	80-acre spacing units for Muddy Sandstone production consisting of N 1/2 and S 1/2 of quarter section with			
	2016	Production:	2,229	4,042	locations in NW 1/4 and SE 1/4 of each quarter section with 200' tolerance (Order 27-69). Field area reduction (Order 69-76).			
Xeno					Post-1986 Gas Production (MCF): 13,246			
					Statewide; also called Xena or Kremlin field.			
Yates					Cumulative Oil Production (Bbls): 105,485 Post-1986 Gas Production (MCF): 5,966			
Red River		2	13,415	1,335	320-acre spacing units; locations as specified for Duperow and Red River; dual completions approved (Order 92-			
	2016	Production:	13,415	1,335	81). Single 320-acre spacing unit for Ratcliffe/Mission Canyon (Order 22-86).			
Yellowstone					Cumulative Oil Production (Bbls): 39,405			
					Field rules vacated (Order 19-62).			