



MONTANA

OIL^{and} GAS

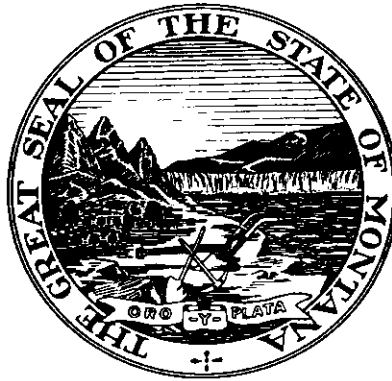
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DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
OF THE STATE OF MONTANA

Oil and Gas Conservation Division

Marc Racicot, Governor



ANNUAL REVIEW FOR THE YEAR 1995
Relating to
OIL AND GAS
Volume 39

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August, 1996

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Annual Review for the Year 1995 Volume 39 **ACTIVITY REVIEW**

Montana's oil production was 16.5 million barrels in 1995, virtually unchanged from the previous year. Gas production decreased slightly from 51.8 million MCF in 1994 to 50.7 million MCF in 1995. Well drilling slipped from 236 wells drilled in 1994 to 211 new wells in 1995. There were 80 new gas wells and 60 new oil wells completed during the year.

Geophysical activities remained at a level similar to that established during 1994. Seven geophysical contractors were active during the year, and 30 seismic projects were completed. The Williston Basin received most of the seismic activity. A significant number of the permitted projects involved 3-D techniques.

Horizontal wells permitted in 1995 included 33 new horizontal wells and 9 horizontal recompletions or redrills of existing vertical wells. The Board of Oil and Gas Conservation approved

the expansion of 6 existing secondary recovery projects, thereby qualifying the incremental increase in production for a lower tax rate.

The board's staff issued 267 permits to drill during the year, performing environmental assessments for each application involving private or state-owned lands prior to permit issuance. The board issued 85 orders during the year. Most of these orders authorized increased well density to accommodate in-fill drilling programs, established permanent spacing for horizontal wells and exception wells, delineated new fields, and allowed exceptions to existing field rules.

In 1995 the board appointed a subcommittee to review shut-in wells and financial assurance requirements for both producing and non-producing wells. The board intends to prepare any proposed legislative changes that may result from the study in time for executive review in mid-1996.

1995

SUMMARY OF YEAR ACTIVITIES

OIL

	BBLS	BBLS/DAY
Oil Produced.....	16,525,824	45,276
Oil Imported From:		
Canada	38,265,545	
Wyoming.....	10,074,062	
Total	<u>48,339,607</u>	132,437
Oil Exported	13,500,000	37,000

GAS

	MCF	MCF/DAY
Gas Withdrawals:		
Natural	44,329,968	
Associated	6,397,896	
Total	<u>50,727,864</u>	138,980
Gas Imported From:		
Canada	17,572,421	
North Dakota	11,894,243	
Wyoming.....	8,312,996	
Total	<u>37,779,660</u>	103,506
Gas Exported To:		
North Dakota	16,659,356	
South Dakota	836,861	
Wyoming.....	2,091,606	
Midwest	16,012,508	
Total	<u>35,600,331</u>	97,535

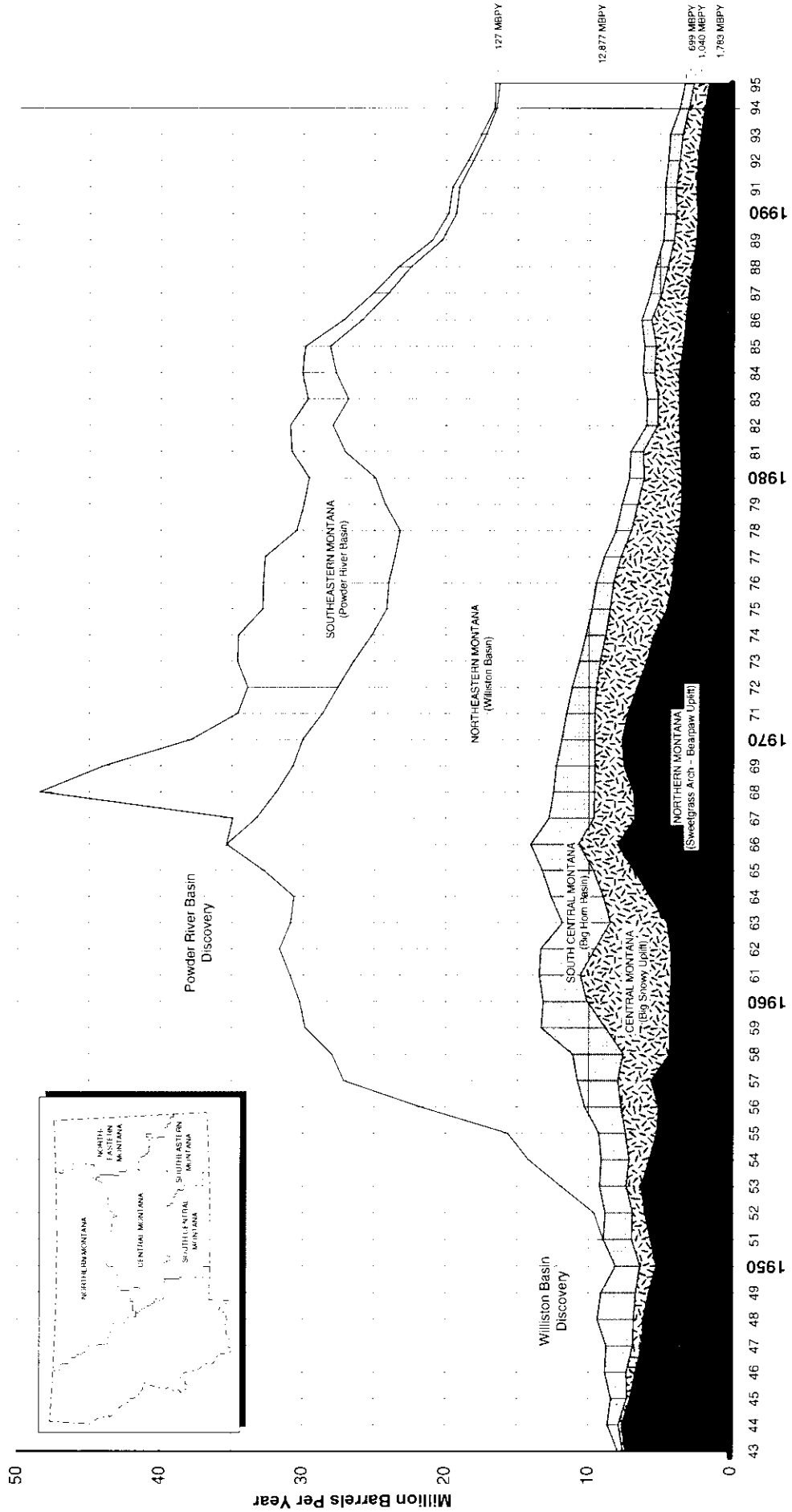
FIVE YEAR SUMMARY

	1991	1992	1993	1994	1995
OIL PRODUCTION IN BARRELS					
Northern Montana	2,510,130	2,426,783	2,143,943	2,003,272	1,783,331
South Central	804,003	832,580	772,668	733,965	698,537
Central	1,393,046	1,227,475	1,095,551	955,703	1,040,127
Williston Basin	14,380,288	13,637,695	13,110,882	12,747,075	12,877,305
Powder River Basin	485,881	355,139	272,517	90,965	126,524
TOTAL	<u>19,573,348</u>	<u>18,479,672</u>	<u>17,395,561</u>	<u>16,530,980</u>	<u>16,525,824</u>
NUMBER OF PRODUCING OIL WELLS					
Northern Montana	2,534	2,568	2,408	2,324	2,093
South Central	123	138	122	136	132
Central	310	287	298	272	249
Williston Basin	1,338	1,338	1,287	1,311	1,310
Powder River Basin	79	69	56	71	28
TOTAL	<u>4,384</u>	<u>4,400</u>	<u>4,171</u>	<u>4,114</u>	<u>3,812</u>
AVERAGE DAILY PRODUCTION/OIL WELL					
Northern Montana	2.7	2.6	2.4	2.4	2.3
South Central	17.9	16.5	17.4	14.8	14.5
Central	12.3	11.7	10.1	9.6	11.4
Williston Basin	29.4	27.8	27.9	26.6	26.9
Powder River Basin	<u>16.9</u>	<u>14.1</u>	<u>13.3</u>	<u>3.5</u>	<u>12.4</u>
STATE AVERAGE	12.2	11.5	11.4	11.0	11.9
DEVELOPMENT WELLS DRILLED					
Oil Wells	46	36	39	34	53
Gas Wells	140	136	80	78	65
Dry Holes	34	31	18	29	14
Service Wells	6	4	1	5	10
TOTAL	<u>226</u>	<u>207</u>	<u>138</u>	<u>146</u>	<u>142</u>
EXPLORATORY WELLS DRILLED					
Oil Wells	2	1	9	23	7
Gas Wells	17	8	3	12	15
Dry Holes	32	41	29	45	44
Temporary Abandoned	1	2	3	6	3
TOTAL	<u>52</u>	<u>52</u>	<u>44</u>	<u>86</u>	<u>69</u>
TOTAL WELLS DRILLED	278	259	182	232	211
TOTAL FOOTAGE DRILLED	822,739	788,721	677,698	906,564	1,068,715
AVERAGE FOOTAGE DRILLED	2,959	3,045	3,723	3,908	5,065

SUMMARY OF DRILLING BY COUNTIES – 1995

COUNTY	DEVELOPMENT		EXPLORATORY			SERVICE WELLS	TEMP. ABAND.	TOTAL WELLS	TOTAL FEET	AVERAGE FEET
	OIL	GAS	DRY	OIL	GAS						DRY
Big Horn	0	0	1	0	0	0	0	1	975	975
Blaine	0	5	0	0	6	0	0	13	20,070	1,543
Carbon	0	0	0	0	0	2	0	2	7,505	3,752
Chouteau	0	0	0	0	2	0	0	4	5,426	1,356
Daniels	0	0	0	0	0	1	0	2	16,583	8,291
Dawson	2	0	0	0	0	0	0	2	21,818	10,909
Fallon	34	14	0	2	0	0	0	50	460,208	9,204
Garfield	0	0	0	0	0	0	0	3	15,000	5,000
Glacier	7	8	2	0	0	4	0	21	61,007	2,905
Hill	0	1	1	0	6	10	0	18	32,940	1,830
Liberty	0	3	0	0	0	0	0	3	7,159	2,386
Musselshell	0	0	0	0	0	0	1	7	31,115	4,445
Phillips	0	15	1	0	0	0	0	16	21,478	1,342
Pondera	0	0	0	0	0	3	0	3	4,777	1,592
Powder River	0	0	0	0	0	1	0	1	4,774	4,774
Richland	5	0	0	0	0	0	1	6	73,854	12,309
Roosevelt	2	0	0	1	0	3	0	6	59,826	9,971
Rosebud	0	0	0	1	1	6	0	8	37,295	4,661
Sheridan	1	0	2	3	0	4	1	11	116,954	10,632
Stillwater	0	0	1	0	0	0	0	1	3,820	3,820
Toole	1	19	6	0	0	2	0	30	44,424	1,480
Valley	0	0	0	0	0	1	1	2	9,592	4,796
Wibaux	1	0	0	0	0	0	0	1	12,115	12,115
TOTALS	53	65	14	7	15	44	10	211	1,068,715	5,065

Crude Oil Production 1943-1995



**GAS PRODUCTION DATA – 1995
NATURAL GAS**

Field	County	Reported Formation	Produced MCF
Alma	Liberty	Bow Island, Blackleaf	911
Amanda	Toole	Bow Island, Dakota, Sunburst, Swift	229,626
Arch Apex	Toole	Bow Island, Sunburst, Swift	266,863
Ashfield	Phillips	Bowdoin, Carlile, Greenhorn, Phillips	875,649
Badlands	Hill	Eagle	154,239
Battle Creek	Blaine	Eagle, Niobrara	1,493,252
Bears Den	Liberty	Bow Island, Swift	12,132
Bell Creek, Southeast	Powder River	Muddy	69,141
Big Coulee	Golden Valley, Stillwater	Cat Creek, Morrison	134,657
Big Rock	Glacier	Blackleaf, Bow Island, Colorado	314,203
Black Butte	Hill	Eagle	69,729
Black Coulee	Blaine	Eagle	226,252
Blackfoot	Glacier	Dakota, Sunburst	63,156
Blackjack	Liberty	Blackleaf, Bow Island, Second White Specks, Sunburst	67,340
Border	Toole	Moulton, Sunburst	2,665
Bowdoin and Area	Phillips, Valley	Bowdoin (Carlile), Greenhorn, Phillips	4,050,566
Bowes	Blaine	Eagle	441,172
Bradley	Glacier	Bow Island, Sunburst	5,220
Broadview	Golden Valley	Big Elk, Frontier	72
Browns Coulee, East	Hill	Eagle	2,479
Bullwacker	Blaine, Chouteau	Eagle, Judith River, Virgelle	757,930
Camp Creek	Chouteau	Eagle	17,494
Canadian Coulee	Hill	Sawtooth	96
Canadian Coulee, North	Hill, Liberty	Sawtooth	917
Cedar Creek	Fallon	Eagle, Judith River	1,565,517
Clark's Fork	Carbon	Greybull	26,678
Coal Coulee	Hill	Eagle	1,016
Coal Mine Coulee	Chouteau	Eagle, Second White Specks	30,232
Cut Bank	Glacier, Toole	Bow Island, Cut Bank, Dakota, Kootenai, Lander, Madison, Moulton, Sunburst	2,514,449
Devon	Toole	Bow Island	97,952
Devon, East	Toole	Bow Island	13,217
Devon, South	Toole	Bow Island	20,917
Dry Creek	Carbon	Eagle, Frontier, Greybull, Judith River, Virgelle	465,875
Dry Creek (Shallow Gas)	Carbon	Virgelle	40,073
Dry Creek, Middle	Carbon	Frontier	22,055
Dry Creek, West	Carbon	Greybull	41,088
Dry Fork	Pondera	Bow Island	16,062
Dunkirk	Toole	Dakota	112,653
Dunkirk, North	Toole	Bow Island, Sunburst, Swift	249,235
Dutch John Coulee	Toole	Sunburst	79,550
Eagle Springs	Toole	Bow Island, Sunburst, Swift	12,456
Ethridge	Toole	Swift	48,186
Ethridge, North	Toole	Bow Island, Swift	24,377
Fitzpatrick Lake	Toole	Bow Island, Swift	100,096
Flat Coulee	Liberty	Bow Island, Dakota, Swift	42,290
Fort Conrad	Toole, Pondera	Bow Island	28,814
Fred and George Creek	Toole	Bow Island, Sunburst, Swift	47,696
Fresno and Area	Hill	Eagle	25,508
Galata	Toole	Bow Island	56,278
Gold Butte	Toole	Bow Island	1,660
Golden Dome	Carbon	Greybull, Eagle, Frontier	59,910
Grandview	Liberty	Bow Island, Sawtooth	26,056
Hardpan	Pondera, Chouteau	Bow Island	69,915
Havre	Hill, Blaine	Eagle	24,019
Haystack Butte	Liberty	Bow Island	28,989
Haystack Butte, West	Liberty	Bow Island	57,234
Keith, East and Area	Liberty	Bow Island, Niobrara, Sawtooth, Second White Specks	352,437
Kevin Southwest	Toole	Bow Island, Dakota, Sunburst, Swift	147,920
Kevin Sunburst	Toole	Bow Island, Burwash, Dakota, Eagle, Ellis, Nisku, Kootenai, Madison, Sunburst, Swift	548,069

**GAS PRODUCTION DATA – 1995
NATURAL GAS (CONTINUED)**

Field	County	Reported Formation	Produced MCF
Kevin Sunburst (Dakota) ..	Toole	Dakota	21,315
Kevin Sunburst-Bow Island	Toole	Bow Island	46,151
Kevin Sunburst Nisku	Toole	Swift	85,827
Kevin, East Bow Island	Toole	Bow Island, Sunburst	20,264
Kevin, East Gas	Toole	Bow Island, Sunburst, Swift	66,837
Kevin, East Nisku Oil	Toole	Nisku, Sunburst	27,140
Kicking Horse	Toole	Bow Island, Sawtooth, Sunburst	114,979
Kippen Area, East	Toole	Madison, Swift	17,072
Lake Basin	Stillwater	Claggett, Eagle, Frontier, Virgelle, Telegraph Creek	106,159
Ledger	Pondera	Bow Island	155,774
Leroy	Blaine	Eagle	99,644
Liscom Creek	Custer	Shannon	69,063
Little Creek	Chouteau	Eagle, Virgelle	14,350
Little Rock	Glacier	Blackleaf, Bow Island	187,607
Lohman	Blaine	Eagle	138,852
Loring Unit	Phillips	Carlile, Greenhorn, Phillips	1,816,157
Loring, East	Phillips	Bowdoin, Carlile, Greenhorn, Phillips	362,215
Loring, West	Phillips	Carlile, Greenhorn, Phillips	27,998
Marias River	Toole, Pondera	Bow Island	69,184
Middle Butte	Toole, Liberty	Blackleaf, Bow Island, Second White Specks	61,796
Miners Coulee	Toole	Blackleaf, Bow Island, Sawtooth, Sunburst, Swift	213,229
Mount Lily	Liberty	Bow Island, Swift	7,453
O'Briens Coulee	Liberty	Bow Island, Blackleaf, Second White Specks, Spike	170,251
Old Shelby	Toole	Bow Island, Sunburst, Swift	1,384,708
Phantom	Toole	Sunburst	14,766
Phantom, West	Toole	Sunburst	23,140
Police Coulee	Toole	Bow Island	39,454
Prairie Dell	Toole	Bow Island, Dakota, Sunburst, Swift	707,156
Prairie Dell, West	Toole	Blackleaf, Swift	28,031
Rattlesnake Coulee	Toole	Sunburst	885
Red Rock	Hill	Eagle	97,218
Rocky Boy Area	Hill	Eagle	58,998
Rudyard	Hill	Eagle, Sawtooth	65,995
Sage Creek	Liberty	Blackleaf, Bow Island, Second White Specks	69,486
Sandwich	Liberty	Swift	187
Sawtooth Mountain & Area	Blaine	Eagle, Judith River	596,407
Shelby Area	Toole	Burwash, Sunburst	11,652
Shelby, East	Toole	Bow Island, Burwash, Sunburst, Swift	59,402
Sherard and Area	Blaine, Chouteau	Eagle, Judith River	1,405,979
Sixshooter Dome	Sweet Grass	Eagle, Lakota	340,370
Snoose Coulee	Liberty	Bow Island	25,273
Spring Coulee	Hill	Green Horn, Sawtooth, Second White Specks	1,841
Strawberry Creek Area	Toole	Bow Island, Burwash, Sunburst	30,295
Swanson Creek	Phillips, Valley	Carlile, Greenhorn, Phillips	420,850
Sweetgrass and Area	Toole	Sunburst	12,602
Three Mile	Blaine	Eagle	47,289
Tiber, East	Toole	Bow Island	54,499
Tiger Ridge and Area	Toole	Eagle, Judith River	14,658,665
Timber Creek	Toole	Sunburst	13,857
Trail Creek	Liberty, Toole	Bow Island, Sunburst, Swift	98,132
Utopia	Liberty	Sawtooth, Bow Island	113,042
Vandalia	Valley	Carlile	28,040
West Butte	Toole	Bow Island	21,250
West Butte Shallow Gas ...	Toole	Bow Island, Dakota	12,768
Whitewater	Phillips	Bowdoin, Carlile, Greenhorn, Phillips	1,911,403
Whitewater, East	Phillips	Bowdoin, Carlile, Greenhorn, Phillips	205,433
Whitlash	Liberty	Bow Island, Dakota, Madison, Spike, Sunburst, Swift	539,694
Whitelash, West	Toole	Bow Island, Sunburst, Swift	12,752
Williams	Pondera	Bow Island	87,662

**GAS PRODUCTION DATA – 1995
NATURAL GAS (CONTINUED)**

Field	County	Reported Formation	Produced MCF
Willow Ridge	Toole	Bow Island, Dakota, Sunburst, Swift	213,386
Willow Ridge, South	Toole	Sunburst	172,663
Willow Ridge, West	Toole	Bow Island	6,886
Wildcat	Blaine .....	.....	246,720
Wildcat	Chouteau .....	.....	33,980
Wildcat	Fallon .....	.....	9,851
Wildcat	Hill .....	.....	96,392
Wildcat	Pondera .....	.....	10,400
Wildcat	Stillwater .....	.....	45,880
Wildcat	Toole .....	.....	141,072
TOTAL NATURAL GAS			44,329,968

GAS PRODUCTION DATA - 1995 ASSOCIATED GAS

Field	County	Reported Formation	Produced MCF
Anvil	Roosevelt	Nisku, Ratcliffe, Red River, Winnipegosis	137,768
Bainville	Roosevelt	Ratcliffe, Red River, Winnipegosis	25,125
Bainville (Ratcliffe/Mission Canyon)	Roosevelt	Ratcliffe	1,870
Bainville, North	Roosevelt	Mission Canyon, Nisku, Ratcliffe, Red River, Winnipegosis	221,453
Bainville, West	Roosevelt	Red River	5,300
Bainville II	Roosevelt	Mission Canyon, Red River	25,976
Beanblossum	Garfield	Tyler	2,298
Bell Creek	Powder River	Muddy	2,582
Benrud, East	Roosevelt	Nisku	4,621
Big Muddy Creek	Roosevelt	Red River	1,190
Black Diamond	Wibaux	Duperow, Madison, Nisku	5,222
Bloomfield	Dawson	Dawson Bay, Interlake, Red River	12,377
Breed Creek	Rosebud	Tyler	2,339
Brorson	Richland	Interlake, Madison, Mission Canyon, Ratcliffe, Red River	126,828
Brorson, South	Richland	Bakken, Madison, Mission Canyon, Red River	35,502
Brush Lake	Sheridan	Red River	14,236
Cabaret Coulee	Daniels	Madison	276
Cabin Creek	Fallon	Madison, Red River, Siluro-Ord	478,134
Canal	Richland	Madison, Mission Canyon, Red River	25,132
Cattails	Richland	Ratcliffe	47,479
Cattails, South	Richland	Madison, Ratcliffe	14,326
Charlie Creek	Richland	Dawson Bay	14,385
Charlie Creek, East	Richland	Red River	21,248
Clear Lake	Sheridan	Mission Canyon, Nisku, Ratcliffe, Red River	64,388
Clear Lake, South	Sheridan	Red River	991
Coalridge	Sheridan	Ratcliffe	42
Colored Canyon	Sheridan	Red River	3,377
Comertown	Sheridan	Duperow, Nisku, Ratcliffe, Red River	31,769
Comertown, South	Sheridan	Red River	6,098
Cottonwood	Richland	Ratcliffe	9,045
Cottonwood, East	Roosevelt	Ratcliffe	1,770
Crane	Richland	Devonian, Duperow, Interlake, Red River	90,035
Cuption	Fallon	Red River	29,750
Cut Bank	Pondera, Glacier, Toole ..	Cut Bank, Madison, Moulton	40,331
Dagmar	Sheridan	Red River	13,869
Deer Creek	Dawson	Charles	6,408
Diamond Point	Roosevelt	Interlake, Red River	35,554
Divide	Sheridan	Madison, Ratcliffe, Red River	62,404
Dooley	Sheridan	Ratcliffe	5,141
Dry Creek	Carbon	Greybull	97,408
Dwyer	Sheridan	Charles, Nisku, Red River	36,646
Eagle	Richland	Duperow, Madison, Mission Canyon, Ratcliffe, Red River	46,923
Elk Basin	Carbon	Embar, Frontier, Madison, Tensleep	385,999
Elk Basin, Northwest	Carbon	Cloverly, Frontier, Madison	49,638
Enid, North	Richland	Red River	17,200
Fairview	Richland	Madison, Mission Canyon, Ratcliffe, Red River	212,260
Fairview, East	Richland	Ratcliffe, Winnipegosis	3,452
Fairview, West	Richland	Madison	550
Fishhook	Sheridan	Madison, Red River	10,340
Flat Coulee	Liberty	Swift	6,573
Flat Lake	Sheridan	Nisku, Ratcliffe	56,374
Flat Lake, South	Sheridan	Ratcliffe	1,324
Fort Gilbert	Richland	Madison, Mission Canyon, Red River	35,244
Four Mile Creek	Richland	Red River	3,151

GAS PRODUCTION DATA - 1995 ASSOCIATED GAS (continued)

Field	County	Reported Formation	Produced MCF
Four Mile Creek, West	Richland	Red River	14,955
Fred & George Creek	Toole	Sunburst	123
Frog Coulee	Richland	Red River	4,759
Froid, South	Roosevelt	Red River	3,421
Girard	Richland	Red River	7,189
Glendive	Dawson	Red River, Siluro-Ord, Stoney Mountain	30,502
Golden Dome	Carbon	Greybull	31,752
Goose Lake	Sheridan	Ratcliffe, Red River	17,467
Goose Lake, West	Sheridan	Red River	4,996
Gossett	Richland	Red River	6,226
Green Coulee	Sheridan	Red River	120
Gunsight	Roosevelt	Mission Canyon	9,940
Hardscrable Creek	Richland	Red River	130
Hawk Haven	Richland	Mission Canyon	1,842
Hay Creek	Richland	Mission Canyon, Red River	30,967
Hell Coulee	Daniels	Madison	3,000
Hiawatha	Musselshell	Tyler	515
High Five	Rosebud	Stensvad, Tyler	12,232
Intake II	Richland	Mission Canyon	7,923
Jim Coulee	Musselshell	Tyler	1,939
Katy Lake	Sheridan	Red River	13,771
Katy Lake, North	Sheridan	Madison, Mission Canyon, Nesson, Red River	100,873
Kevin-Sunburst	Toole	Madison, Sunburst, Swift	33,098
Kevin, East Nisku Oil	Toole	Nisku	11,564
Kincheloe Ranch, West	Rosebud	Tyler	4,638
Laird Creek	Liberty	Swift	214
Lambert	Richland	Red River	5,343
Landslide Butte	Glacier	Madison	24,490
Leary	Powder River	Muddy	13,920
Little Beaver	Fallon	Red River, Siluro-Ord	22,502
Little Beaver, East	Fallon	Mission Canyon, Siluro-Ord	10,486
Little Wall Creek	Musselshell	Stensvad, Tyler	10,086
Little Wall Creek, South	Musselshell	Tyler	8,837
Lone Butte	Richland	Mission Canyon, Red River	19,915
Lonetree Creek	Richland	Interlake, Red River	114,127
Long Creek, West	Roosevelt	Nisku	710
Lookout Butte	Fallon	Madison, Red River, Siluro-Ord	78,153
Lookout Butte, East	Fallon	Lodgepole, Red River	28,131
Lowell	Sheridan	Red River	2,656
Lustre	Valley	Charles, Mission Canyon, Ratcliffe	62,922
Lustre, North	Valley	Charles	1,968
McCabe	Roosevelt	Ratcliffe	3,896
McCoy Creek	Sheridan	Red River	1,273
Medicine Lake	Sheridan	Devonian, Duperow, Gunton, Mission Canyon, Nisku, Red River, Winnipegosis	54,596
Melstone, North	Musselshell	Tyler	16,058
Midfork	Valley	Charles, Nisku	19,012
Missouri Breaks	Richland	Nisku, Red River	4,765
Mon Dak, West	Richland	Duperow, Interlake, Madison, Siluro-Ord, Stoney Mountain	251,506
Mona	Richland	Red River	43,471
Monarch	Fallon	Interlake, Red River, Siluro-Ord	15,728
Mustang	Richland	Bakken, Madison, Red River	40,247
Neiser Creek	Sheridan	Red River	13,044
Nielsen Coulee	Daniels	Madison	17,922
Ninemile	Toole	Nisku	474
Nohly	Richland	Madison, Mission Canyon, Nisku, Ratcliffe, Red River	240,320
North Fork	Richland	Mission Canyon	10,766

GAS PRODUCTION DATA - 1995 ASSOCIATED GAS (continued)

Field	County	Reported Formation	Produced MCF
Ollie	Fallon	Red River	1,784
Otis Creek	Richland	Ratcliffe	5,280
Otis Creek, South	Richland	Ratcliffe	2,602
Outlook	Sheridan	Duperow, Gunton, Interlake, Nisku	12,246
Oxbow	Roosevelt	Red River	19,109
Oxbow II	Roosevelt	Nisku, Red River	76,134
Palomino	Roosevelt	Nisku	5,118
Pennel	Fallon	Red River, Siluro-Ord, Stoney Mountain	547,199
Pine	Fallon, Wibaux, Prairie, Dawson	Mission Canyon, Siluro-Ord	202,496
Poplar, Northwest	Roosevelt	Charles	39,025
Pronghorn	Sheridan	Red River	761
Putnam	Richland	Interlake, Madison, Mission Canyon, Red River	51,895
Ragged Point	Musselshell	Tyler	1,126
Rattler Butte	Rosebud	Tyler	630
Rattlesnake Butte	Petroleum	Cat Creek	4,984
Raymond	Sheridan	Duperow, Mississippian, Nisku, Red River, Winnipegosis	265,772
Reagan	Glacier	Madison	133,766
Red Bank	Roosevelt	Madison, Mission Canyon, Ratcliffe	18,746
Red Bank, South	Roosevelt	Red River	6,125
Red Creek	Glacier	Cut Bank, Madison	17,771
Red Water, East	Richland	Red River	11,496
Refuge	Sheridan	Red River	5,970
Reserve	Sheridan	Red River	63,756
Reserve II	Sheridan	Interlake, Red River	5,166
Reserve South	Sheridan	Winnipegosis	2,667
Ridgelawn	Richland	Madison, Mission Canyon, Ratcliffe, Red River	76,116
Ridgelawn, North	Richland	Madison	14,133
RipRap Coulee	Roosevelt	Ratcliffe	29,056
River Bend	Richland	Red River	10,326
Rocky Point	Roosevelt	Red River	7,948
Royals	Dawson	Dawson Bay	6,000
Rush Mountain	Sheridan	Gunton	7,440
Salt Lake	Sheridan	Red River	4,272
Second Creek	Richland	Mission Canyon, Ratcliffe, Red River	18,683
Sidney	Richland	Madison, Mission Canyon, Ratcliffe, Red River	36,882
Singletree	Roosevelt	Nisku	2,765
Sioux Pass	Richland	Interlake, Red River	63,134
Sioux Pass, Middle	Richland	Red River	28,727
Sioux Pass, North	Richland	Madison, Nisku, Ratcliffe, Red River	91,703
Sioux Pass, South	Richland	Red River	78
South Fork	Richland	Mission Canyon, Red River	20,633
Spring Lake	Richland	Bakken, Dawson Bay	24,613
Spring Lake, West	Richland	Bakken	5,475
Stampede	Richland	Bakken, Red River	25,738
Sumatra	Rosebud	Tyler	573
Sunny Hill, West	Sheridan	Ratcliffe	10,534
Target	Roosevelt	Nisku	15,742
Three Buttes	Richland	Red River	14,485
Tule Creek	Roosevelt	Devonian, Nisku	12,666
Tule Creek, East	Roosevelt	Nisku	4,977
Two Waters	Richland	Bakken	560
Utopia	Liberty	Swift	15,687
Vaux	Richland	Bakken, Interlake, Madison, Mission Canyon, Ratcliffe, Red River, Stonewall	123,571
Wakea	Sheridan	Duperow, Nisku, Red River, Winnipegosis	44,085

**GAS PRODUCTION DATA - 1995
ASSOCIATED GAS (continued)**

Field	County	Reported Formation	Produced MCF
Weed Creek	Yellowstone	Amsden	602
Whitlash	Liberty	Sunburst, Swift	26,130
Wills Creek, South	Fallon	Siluro-Ord	875
Woodrow	Dawson	Charles, Interlake	4,320
Wrangler	Sheridan	Red River	22,936
Wrangler, North	Sheridan	Red River	2,063
Wright Creek	Powder River	Muddy	17,028
Wildcat	Roosevelt		4,997
Wildcat	Sheridan		19,518
TOTAL ASSOCIATED GAS			6,397,896

REFINERS' ANNUAL REPORT – 1995

COMPANY	BEGINNING STORAGE	MONTANA OIL	WYOMING OIL	CANADA OIL	REFINED	ENDING STORAGE
Cenex	226,310	1,576,513	1,889,331	12,045,233	15,395,697	341,690
Conoco	123,129	284,563	420,903	15,820,203	16,509,871	138,929
Exxon Corp.	351,092	755,724	7,763,828	8,417,141	17,088,252	199,533
Montana Refining Co.	15,069	424,765	-0-	1,982,968	2,406,292	16,510
TOTALS	715,600	3,041,565	10,074,062	38,265,545	51,400,112	696,662

PERCENTAGE OF CRUDE OIL RECEIVED

YEAR	MONTANA	CANADA	WYOMING
1991	9.23	58.30	32.47
1992	8.34	60.02	31.64
1993	6.86	62.59	30.55
1994	5.94	71.40	22.66
1995	5.92	74.47	19.61

AVERAGE BARRELS PER DAY

YEAR	MONTANA	CANADA	WYOMING	TOTAL
1991	11,704	73,948	41,181	126,833
1992	10,676	76,803	40,492	127,971
1993	9,302	84,868	41,415	135,585
1994	8,518	102,420	32,506	143,444
1995	8,333	104,837	27,600	140,770

REFINING FIVE YEAR COMPARISON

1991	1992	1993	1994	1995
46,247,992	47,131,774	49,442,849	52,157,319	51,400,112

1995 STATEMENT OF CRUDE OIL PRODUCTION – ALL MONTANA FIELDS

FIELD	COUNTY	1995	CUMULATIVE	FIELD	COUNTY	1995	CUMULATIVE
		BARRELS	BARRELS			BARRELS	BARRELS
Ace High	Rosebud	0	3,686	Burget, East	Roosevelt	14,478	282,461
Agawan	Teton	0	79	Burns Creek	Dawson, Richland	0	258,987
Alkali Coulee	Sheridan	0	19,546	Burns Creek, South	Dawson	0	79,958
Andes	Richland	0	21,175	Butchers Creek	Carbon	0	579
Antelope, North	Sheridan	0	2,484	Bynum	Teton	0	5,971
Anvil	Roosevelt	129,297	4,462,250	Cabaret Coulee	Daniels	3,085	439,346
Anvil, North	Sheridan	0	9,446	Cabin Creek	Fallon	1,461,561	99,559,903
Ash Creek	Big Horn	3,559	861,642	Cadmus	Glacier	0	1,173
Autumn	Valley	0	35,546	Canadian Coulee	Hill	0	2,145
Bainville	Roosevelt	33,455	926,847	Canal	Richland	23,751	1,244,826
Bainville (Ratcliffe/ Mission Canyon)	Roosevelt	4,374	6,231	Cannonball	Fallon	0	74,779
Bainville II	Roosevelt	28,344	756,670	Carlyle	Wibaux	5,135	326,231
Bainville, North	Roosevelt	329,211	2,677,269	Cat Creek	Petroleum, Garfield	41,741	23,848,806
Bainville, West	Roosevelt	5,793	245,921	Cattails	Richland	66,877	771,483
Bannatyne	Teton	8,041	408,678	Cattails, South	Richland	21,960	143,985
Bascom	Musselshell	0	27,830	Charlie Creek	Richland	48,098	794,974
Beanblossom	Garfield	22,164	567,094	Charlie Creek, East	Richland	51,069	816,155
Bear's Den	Liberty	43,153	659,029	Charlie Creek, North	Richland	0	43,894
Belfry	Carbon	0	101,245	Chelsea Creek	Roosevelt	7,728	117,310
Bell Creek	Carter, Powder River	109,442	131,947,579	Clark Fork, North	Carbon	0	1,024,608
Benrud	Roosevelt	0	289,695	Clark Fork, South	Carbon	0	80,553
Benrud, East	Roosevelt	19,258	2,931,406	Clark's Fork	Carbon	477	93,692
Benrud, Northeast	Roosevelt	3,547	1,015,530	Clear Lake	Sheridan	132,465	3,505,496
Berthelote	Toole	798	96,780	Clear Lake, South	Sheridan	7,795	202,516
Big Gully	Musselshell	1,669	113,035	Coal Ridge	Sheridan	210	22,792
Big Gully, North	Musselshell	0	29,892	Colored Canyon	Sheridan	6,940	888,191
Big Muddy Creek	Roosevelt	1,363	1,326,087	Comertown	Sheridan	75,666	2,668,430
Big Rock	Glacier	567	12,444	Comertown, South	Sheridan	19,001	399,929
Big Wall	Musselshell	57,253	8,126,779	Conrad, South	Pondera	0	159,410
Big Wall, North	Musselshell	0	7,218	Corner Pocket	Richland	0	14,483
Black Diamond	Wibaux	8,028	653,995	Cottonwood	Richland	28,843	297,703
Blackfoot	Glacier	22,966	1,692,544	Cottonwood, East	Roosevelt	10,243	68,184
Blackfoot, East	Glacier	0	810	Cow Creek	McCone	0	127,813
Blackleaf Canyon	Teton	0	32,922	Cow Creek, East	McCone	15,368	2,602,078
Bloomfield	Dawson	14,434	569,882	Crane	Richland	83,031	2,553,044
Blue Hill	Richland	0	162,251	Crocker Springs, East	Pondera	0	3,464
Blue Mountain	Wibaux	0	69,258	Crooked Creek	Yellowstone	0	27,395
Border	Toole	5,650	1,465,865	Culbertson	Roosevelt	0	175,652
Boulder	Richland	0	156,754	Cupton	Fallon	55,812	2,568,059
Bowes	Blaine	114,364	10,525,400	Curlew	Sheridan	0	5,468
Box Canyon	Richland	0	245,847	Cut Bank	Glacier, Toole	479,686	166,174,188
Bradley	Glacier	1,474	266,678	Dagmar	Sheridan	13,933	627,612
Brady	Pondera	5,124	218,594	Dagmar, North	Sheridan	0	55,342
Bredette	Roosevelt	0	232,121	Deadman's Coulee	Roosevelt	0	264,528
Bredette, North	Roosevelt	0	488,554	Dean Dome	Stillwater	0	92,597
Breed Creek	Rosebud	172,640	1,801,850	Deer Creek	Dawson	37,790	2,432,585
Brorson	Richland	146,049	4,098,596	Delphia	Musselshell	4,286	350,205
Brorson, South	Richland	62,943	2,091,796	Devil's Basin	Musselshell	2,652	127,554
Brush Lake	Sheridan	31,861	2,846,358	Devil's Pocket	Golden Valley	760	53,796
Buffalo Flats	Chouteau	0	603	Diamond Point	Roosevelt	30,657	990,512
Buffalo Lake	Glacier	0	936	Divide	Sheridan	115,142	2,663,010
Burget	Roosevelt	0	6,504	Dooley	Sheridan	16,715	283,183
				Dry Creek	Carbon	1,743	4,163,458
				Dry Creek, Middle	Carbon	0	1,692

1995 STATEMENT OF CRUDE OIL PRODUCTION – ALL MONTANA FIELDS

FIELD	COUNTY	1995 BARRELS	CUMULATIVE BARRELS	FIELD	COUNTY	1995 BARRELS	CUMULATIVE BARRELS
Dry Creek, West	Carbon	270	13,254	Gypsy Basin	Pondera	2,180	505,035
Dugout Coulee	Richland	0	66,740	Hardpan	Pondera	0	2,805
Dunkirk, North	Toole	0	19	Hardscrabble Creek	Richland	147	136,648
Dutch Henry	Daniels	99,662	197,381	Hawk Creek	Musselshell	63	13,277
Dutch John Coulee	Toole	5,827	230,807	Hawk Haven	Richland	5,347	24,937
Dwyer	Sheridan	96,637	8,882,079	Hay Creek	Richland	50,524	1,479,381
Eagle	Richland	44,269	2,063,856	Hell Coulee	Daniels	6,675	53,576
East Glacier	Glacier	437	24,300	Hiawatha	Musselshell	9,598	1,637,351
Elk Basin	Carbon	539,747	85,887,545	Hibbard	Rosebud	0	219,686
Elk Basin, Northwest	Carbon	64,739	2,170,678	High Five	Rosebud	66,127	2,685,363
Enid, North	Richland	17,251	431,798	Highview	Pondera	2,807	98,029
Epworth	Richland	0	55,142	Homestead	Roosevelt	0	303
Fairview	Richland	112,892	9,158,740	Honker	Sheridan	0	117,078
Fairview, East	Richland	9,844	433,287	Horse Creek	Liberty	607	13,516
Fairview, West	Richland	64,731	324,653	Howard Coulee	Musselshell	5,783	180,909
Fiddler Creek	Stillwater	0	2,574	Injun Creek	Rosebud	1,699	129,246
Fishhook	Sheridan	18,233	1,119,844	Intake II	Richland	20,627	898,280
Fitzpatrick Lake	Toole	110	257	Ivanhoe	Musselshell	19,611	4,595,021
Flat Coulee	Liberty	69,294	5,222,095	Jack Creek	Carbon	0	1,310
Flat Lake	Sheridan	145,338	16,339,899	Jim Coulee	Musselshell	24,252	4,425,261
Flat Lake, East	Sheridan	10,851	118,457	Katy Lake	Sheridan	7,869	184,542
Flat Lake, South	Sheridan	2,906	1,248,890	Katy Lake, North	Sheridan	181,178	5,155,478
Flaxville	Daniels	0	56,283	Keg Coulee	Musselshell	24,062	5,733,637
Fort Gilbert	Richland	35,445	2,359,055	Keg Coulee, North	Musselshell	0	440,956
Four Buttes	Sheridan	0	41,067	Kelley	Musselshell	2,695	1,024,269
Four Mile Creek	Richland	6,114	406,850	Kevin Nisku Oil, East	Toole	44,530	531,328
Four Mile Creek, West	Richland	23,886	378,729	Kevin Sunburst	Toole	225,559	80,398,086
Fox Creek	Richland	0	200,464	Kicking Horse	Toole	0	1,526
Fox Creek, North	Richland	75	75,398	Kincheloe Ranch, West	Rosebud	16,670	786,959
Frannie	Carbon	0	773,613	Kippen, East	Toole	0	150
Fred & George Creek	Toole	39,143	13,351,802	Krug Creek	Dawson	0	15,288
Frog Coulee	Richland	13,724	224,338	Laird Creek	Liberty	1,813	600,923
Froid, South	Roosevelt	4,283	260,365	Lake Basin	Stillwater	0	473,639
Gage	Musselshell	1,360	652,889	Lakeside	Roosevelt	0	487
Gage, Southwest	Musselshell	0	16,289	Lambert	Richland	7,200	498,923
Gas City	Dawson	70,620	10,447,442	Lambert, North	Richland	0	36,552
Gettysburg	Richland	0	304	Lamesteer Creek	Wibaux	0	31,845
Girard	Richland	21,403	523,856	Landslide Butte	Glacier	29,630	524,555
Glendive	Dawson	129,440	13,563,820	Lariat	Sheridan	0	3,599
Glendive, South	Dawson	0	68,936	Laurel	Yellowstone	0	1,017
Golden Dome	Carbon	1,285	109,364	Leary	Powder River	8,059	667,796
Goose Lake	Sheridan	119,336	9,605,381	Ledger	Toole	0	275
Goose Lake, East	Sheridan	0	4,522	Line Coulee	Daniels	0	57,789
Goose Lake, Southeast	Sheridan	0	45,527	Lisk Creek	Richland	0	1,939
Goose Lake, West	Sheridan	14,355	589,773	Little Beaver	Fallon	251,752	14,469,162
Gossett	Richland	12,656	379,189	Little Beaver, East	Fallon	103,220	6,236,585
Graben Coulee	Glacier	34,042	2,337,515	Little Phantom	Toole	439	57,089
Grandview	Liberty	0	9,784	Little Wall Creek	Musselshell	133,992	4,828,684
Grandview, East	Liberty	1,704	56,954	Lobo	Sheridan, Roosevelt	0	260,141
Gray Blanket	Big Horn	25,487	162,483	Lodge Grass	Big Horn	7,284	342,982
Green Coulee	Sheridan	4,792	204,404	Lone Butte	Richland	22,580	768,927
Green Coulee, East	Sheridan	0	62,942	Lone Rider	Roosevelt	0	5,903
Gumbo Ridge	Rosebud	4,662	600,643	Lonetree Creek	Richland	164,445	4,013,629
Gunsight	Roosevelt	18,699	322,459	Lonetree Creek, West	Richland	0	33,029

1995 STATEMENT OF CRUDE OIL PRODUCTION – ALL MONTANA FIELDS

FIELD	COUNTY	1995 BARRELS	CUMULATIVE BARRELS	FIELD	COUNTY	1995 BARRELS	CUMULATIVE BARRELS
Long Creek	Roosevelt	2,199	81,358	Phantom	Toole	0	43,585
Long Creek, West	Roosevelt	20,933	773,044	Pine	Dawson, Fallon, Prairie, Wibaux	866,978	113,009,678
Lookout Butte	Fallon	523,293	26,636,249	Pine, East	Wibaux	0	19,349
Lookout Butte, East	Fallon	502,050	2,137,601	Pipeline	Sheridan	0	16,424
Lost Creek	McCone	0	1,534	Pientywood	Sheridan	0	22,830
Lowell	Sheridan	8,517	285,266	Pole Creek	Musselshell	0	169,726
Lustre	Valley	165,538	5,308,311	Police Coulee	Toole	0	14
Lustre, North	Valley	1,983	184,427	Pondera	Pondera, Teton	223,583	26,889,073
Mackay Dome	Stillwater	0	77,334	Pondera Coulee	Teton	3,061	94,096
Malcolm Creek	Sheridan	0	11,450	Poplar, East	Roosevelt	128,283	46,207,761
Mason Lake	Musselshell	4,676	991,777	Poplar, Northwest	Roosevelt	92,248	4,029,234
Mason Lake, North	Musselshell	0	17,923	Poplar, Southeast	Roosevelt	0	162,546
McCabe	Roosevelt	5,103	259,061	Prairie Dell	Toole	0	1,575
McCabe, East	Roosevelt	0	6,805	Prairie Elk	McCone	0	104,226
McCabe, South	Roosevelt	0	6,599	Prichard Creek	Toole	0	164,205
McCabe, West	Roosevelt	0	69,988	Pronghorn	Sheridan	6,731	461,335
McCoy Creek	Sheridan	3,396	61,997	Putnam	Richland	82,408	5,273,778
Meander	Pondera	394	6,780	Rabbit Hills	Blaine	127,979	1,648,730
Medicine Lake	Sheridan	71,441	3,690,448	Ragged Point	Musselshell	3,637	2,600,848
Melstone	Musselshell	35,786	3,857,000	Ragged Point, Southwest	Musselshell	33,900	1,706,339
Midby	Sheridan	0	70,172	Rainbow	Richland	0	166,375
Midfork	Valley	82,864	459,876	Rattler Butte	Rosebud	16,267	1,024,643
Mineral Bench	Roosevelt	0	186,656	Rattlesnake Butte	Petroleum	20,078	600,544
Miners Coulee	Toole	0	152,708	Rattlesnake Coulee	Toole	0	91,024
Missouri Breaks	Richland	21,832	379,896	Raymond	Sheridan	89,236	5,086,045
Mon Dak, West	Richland	279,710	10,484,790	Raymond, North	Sheridan	0	119,990
Mona	Richland	5,805	139,715	Raymond, Northeast	Sheridan	0	120,687
Monarch	Fallon	171,841	6,420,471	Reagan	Glacier	106,193	9,392,313
Mosser Dome	Yellowstone	5,598	417,089	Red Bank	Roosevelt	63,068	2,078,333
Musselshell	Musselshell	476	39,413	Red Bank, South	Roosevelt	6,951	368,376
Mustang	Richland	38,917	760,743	Red Creek	Glacier	114,420	6,596,201
Neiser Creek	Sheridan	13,860	313,763	Red Fox	Roosevelt	0	380,137
Nielsen Coulee	Daniels	37,484	183,947	Red Water	Richland	3,607	78,470
Ninemile	Toole	315	56,730	Red Water, East	Richland	8,092	262,611
Nohly	Richland	328,868	6,292,986	Redstone	Sheridan	0	468,178
Nohly, South	Richland	0	125,082	Refuge	Sheridan	6,915	232,602
North Fork	Richland	13,135	555,505	Repeat	Carter	0	547,064
Olje	Sheridan	133	163,318	Reserve	Sheridan	80,684	1,804,287
Ollie	Fallon	4,495	251,019	Reserve II	Sheridan	7,810	210,897
Otis Creek	Richland	9,175	878,063	Reserve, South	Sheridan	249	67,402
Otis Creek, South	Richland	7,691	276,426	Richey	Dawson, McCone	27	2,030,121
Otter Creek	Sheridan	0	28,492	Richey Area, West	McCone	0	11,062
Outlet	Daniels	0	6,384	Richey, East	Dawson	0	10,386
Outlook	Sheridan	21,131	8,942,772	Richey, Southwest	McCone	0	1,903,129
Outlook, South	Sheridan	0	693,151	Ridgelawn	Richland	222,072	6,730,816
Outlook, West	Sheridan	20,231	878,111	Ridgelawn, North	Richland	25,411	177,324
Oxbow	Roosevelt	14,363	472,274	RipRap Coulee	Roosevelt	31,032	735,454
Oxbow II	Roosevelt	101,012	371,346	River Bend	Richland	8,403	273,483
Palomino	Roosevelt	118,131	2,350,337	Rocky Point	Roosevelt	11,263	536,663
Pasture	Dawson	0	2,869	Roscoe Dome	Carbon	0	15,556
Pasture Creek	Dawson	0	1,914	Rosebud	Rosebud	10,378	522,270
Pelican	Sheridan	0	191,494	Rough Creek	Powder River	0	3,599
Pennel	Fallon	2,251,718	90,520,260	Royals	Dawson	7,389	336,152
Pete Creek	Toole	138	23,343				

1995 STATEMENT OF CRUDE OIL PRODUCTION – ALL MONTANA FIELDS

FIELD	COUNTY	1995 BARRELS	CUMULATIVE BARRELS	FIELD	COUNTY	1995 BARRELS	CUMULATIVE BARRELS
Royals, South	Dawson	0	3,082	Volt	Roosevelt	75,348	3,533,183
Rudyard	Hill	819	21,784	Wagon Box	Musselshell	0	32,379
Runaway	Teton	0	4,532	Wagon Trail	Richland	0	43,321
Rush Mountain	Sheridan	14,589	646,619	Wakea	Sheridan	89,060	2,550,574
Salt Lake	Sheridan	50,048	974,901	Weed Creek	Yellowstone	1,497	614,695
Salt Lake, West	Sheridan	26,730	128,271	Weldon	McCone	0	7,050,531
Sand Creek	Dawson	3,618	2,352,738	West Butte	Toole	1,358	311,091
Saturn	Daniels	0	32,773	West Fork	Roosevelt	0	6,671
Scobey	Daniels	0	3,916	Weygand	Blaine	12,375	323,274
Second Creek	Richland	22,692	1,341,063	Whitlash	Liberty, Toole	27,348	5,493,481
Second Guess	Teton	1,913	16,553	Whitlash, West	Toole	1,202	131,416
Sheepherder	Musselshell	0	76,942	Wibaux	Wibaux	0	23,580
Shotgun Creek	Roosevelt	12,849	482,632	Willow Creek, North	Musselshell	4,615	395,402
Shotgun Creek, North	Roosevelt	0	89,673	Willow Ridge	Toole	1,430	56,632
Sidney	Richland	42,033	3,378,079	Willow Ridge, South	Toole	0	3,267
Sidney, East	Richland	1,291	584,559	Wills Creek, South	Fallon	20,739	1,192,955
Singletree	Roosevelt	4,933	373,171	Windmill	Richland	0	31,943
Sioux Pass	Richland	86,029	3,782,854	Winnett Junction	Musselshell	19,085	1,007,107
Sioux Pass, East	Richland	0	89,267	Wolf Creek	Roosevelt	0	1,979
Sioux Pass, Middle	Richland	34,806	1,614,444	Wolf Springs	Yellowstone	14,182	4,806,910
Sioux Pass, North	Richland	123,206	4,443,249	Wolf Springs, South	Yellowstone	7,106	879,566
Sioux Pass, South	Richland	681	293,727	Woman's Pocket	Golden Valley	0	3,526
Smoke Creek	Daniels	0	100,305	Woodrow	Dawson	14,567	1,263,751
Snoose Coulee	Liberty	621	6,058	Wrangler	Sheridan	24,716	656,054
Snowden	Roosevelt	0	1,938	Wrangler, North	Sheridan	3,427	137,038
Snyder	Big Horn	1,828	474,592	Wright Creek	Powder River	9,023	338,652
Soap Creek	Big Horn	39,207	2,840,644	Yates	Wibaux	0	70,861
Soap Creek, East	Big Horn	7,253	186,175	Yellowstone	Dawson	0	39,405
South Fork	Richland	19,736	1,062,769	Wildcat	Carbon	0	6,368
Spring Lake	Richland	70,511	1,167,086	Wildcat	Daniels	0	3,779
Spring Lake, South	Richland	0	110,660	Wildcat	Dawson	0	1,489
Spring Lake, West	Richland	3,547	61,044	Wildcat	Fallon	0	11,647
Stampede	Richland	14,315	359,619	Wildcat	Garfield	0	468
Stampede, North	Richland	0	4,566	Wildcat	Glacier	41	48,453
Stensvad	Musselshell, Rosebud	16,367	10,235,887	Wildcat	Hill	0	405
Studhorse	Garfield	4,325	196,077	Wildcat	Liberty	0	3,254
Sumatra	Rosebud	204,752	45,271,400	Wildcat	McCone	0	12,575
Sunnyhill	Sheridan	3,441	263,734	Wildcat	Musselshell	0	925
Sunnyhill, West	Sheridan	8,160	175,649	Wildcat	Pondera	613	1,810
Target	Roosevelt	40,563	860,260	Wildcat	Powder River	0	27,445
Thirty Mile	Blaine	0	11,690	Wildcat	Richland	320	341,393
Three Buttes	Richland	24,167	468,919	Wildcat	Roosevelt	32,416	119,460
Tinder Box	Musselshell	1,393	14,638	Wildcat	Rosebud	32,530	46,759
Tippy Buttes	Musselshell	0	126,246	Wildcat	Sheridan	104,239	209,976
Tule Creek	Roosevelt	39,796	8,304,179	Wildcat	Stillwater	0	11,283
Tule Creek, East	Roosevelt	3,687	2,042,643	Wildcat	Teton	0	9,324
Tule Creek, South	Roosevelt	9,880	961,448	Wildcat	Toole	0	36,379
Two Medicine Creek	Glacier	0	10,249	Wildcat	Valley	0	447
Two Waters	Richland	5,134	334,690	Wildcat	Wibaux	0	8,388
Utopia	Liberty	19,643	740,221	Statewide Totals		16,525,824	1,404,340,706
Vaux	Richland	155,347	4,693,604				
Vida	McCone	0	264,988				
Viking	Sheridan	0	160				

1995 VALUATION REPORT

OIL MARKETED	<u>OIL (BBLs)</u>	<u>VALUE</u>	<u>AVG (\$/BBL)</u>
First Quarter	4,071,693	60,291,686	14.81
Second Quarter	4,019,824	63,403,669	15.77
Third Quarter	4,044,968	57,839,507	14.30
Fourth Quarter	4,033,622	60,325,083	14.96
TOTAL	<u>16,170,107</u>	<u>241,859,945</u>	<u>14.96</u>

Estimated cumulative value for produced oil (12/31/95) is \$12,116,374,957.

GAS MARKETED	<u>GAS (MCF)</u>	<u>VALUE</u>	<u>AVG (\$/MCF)</u>
First Quarter	14,097,158	18,127,370	1.29
Second Quarter	12,648,284	15,854,996	1.25
Third Quarter	11,107,132	13,140,842	1.18
Fourth Quarter	13,725,978	16,264,320	1.18
TOTAL	<u>51,578,552</u>	<u>63,387,528</u>	<u>1.23</u>

Information provided by Montana Department of Revenue.

1995 WELL COMPLETIONS

OPERATOR	LOCATION	WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
									OIL B/D	GAS MCF/D
003 Big Horn										
Macum Energy Inc.	SENE 18 6S 36E	Mann 8-18A	3	21210	Gray Blanket		12/10/94	975	0	0
005 Blaine										
Brown, J. Burns Operating Co.	NENE 20 32N 19E	Nicholson 20-32-19	2	22690	Black Coulee	Eagle	08/09/95	1260	0	0
Brown, J. Burns Operating Co.	SESW 34 25N 19E	Federal 34-25-19	6	22642	Wildcat		01/24/95	1800	0	0
Brown, J. Burns Operating Co.	SESE 10 26N 18E	Federal 10-26-18	6	22674	Wildcat		02/04/95	2200	0	0
Brown, J. Burns Operating Co.	NESW 13 33N 17E	State 13-33-17	5	22681	Wildcat	Eagle	05/03/95	1443	0	0
Brown, J. Burns Operating Co.	NWSE 35 34N 18E	Maddox 35-34-18	5	22682	Wildcat	Eagle	05/13/95	1746	0	0
Brown, J. Burns Operating Co.	SENW 27 33N 17E	Baltrusch 27-33-17	5	22686	Wildcat	Eagle	08/23/95	1400	0	0
Brown, J. Burns Operating Co.	NWSW 15 33N 17E	Baltrusch 15-33-17	5	22688	Wildcat	Eagle	08/16/95	1500	0	0
Brown, J. Burns Operating Co.	NENE 35 33N 20E	Drugge 35-33-20	5	22689	Wildcat	Eagle	08/04/95	1308	0	0
Montana Power Company	NENE 17 31N 19E	Hayes 1-17	2	22683	Bowes	Eagle	05/13/95	1341	0	120
Montana Power Company	SWSE 27 32N 19E	Bjornson 15-27	2	22684	Bowes	Eagle/Virgelle	05/19/95	1157	0	140
Montana Power Company	NESW 35 32N 19E	Guertzen 11-35	2	22685	Bowes	Eagle/Virgelle	05/17/95	959	0	140
Xeno Inc	NESW 29 36N 19E	Battle 11-29J	2	22687	Battle Creek	Judith River	07/31/95	900	0	61
Xeno Inc	NENW 32 36N 22E	No MT Silverbow 3-32	5	22675	Wildcat	Eagle	10/10/94	3056	0	0
009 Carbon										
Montana Power Company	NESW 3 7S 21E	N.P. 11-3 Re-entry	7	21065	Dry Creek	Frontier	11/05/94	4832	0	0
Williston Basin Interstate	SWSE 35 9S 23E	Elk 8-WBI 28 EB	7	21246	Elk Basin	Cloverly	06/06/94	2673	0	0
015 Chouteau										
Brown, J. Burns Operating Co.	NWNW 15 26N 16E	Federal 15-26-16B	5	21669	Wildcat	Eagle	02/22/95	1622	0	426
Mountain Pacific General, Inc.	SWNE 20 27N 3E	Woods 20-7	5	21671	Hardpan	Bow Island	10/24/95	1022	0	50
Mountain Pacific General, Inc.	NWSE 30 27N 3E	Bishop 30-10	6	21672	Wildcat		10/25/95	1082	0	0
Santa Fe Energy Resources Inc.	SENW 7 23N 6E	Walker 7-1	6	21670	Wildcat		11/17/95	1700	0	0
019 Daniels										
HS Resources, Inc.	SESW 11 34N 45E	Fladager 14-11	7	21115	Wildcat		10/10/94	6342	0	0
HS Resources, Inc.	SESW 5 35N 45E	Hersel 14-5	6	21127	Wildcat		04/29/95	10241	0	0
021 Dawson										
Kirkwood, W.C.	NWSW 3 15N 54E	Russ #1 Re-entry	1	05113	Sand Creek	Charles A	07/23/95	9630	61	0
Shell Western E & P Inc.	SWSW 19 13N 56E	Unit 14-19CH	1	21123	Pine	Red River	09/01/95	12188	40	14
025 Fallon										
Meridian Oil, Inc.	SWSW 29 7N 61E	MOI 14-29H	4**	21527	Lookout Butte East	Red River	08/09/94	12401	198	0
Meridian Oil, Inc.	SWSW 7 6N 61E	MOI 14-7H	4**	21533	Lookout Butte East	Red River	10/27/94	12923	210	0
Meridian Oil, Inc.	SWSW 19 7N 61E	MOI 14-19H	1	21538	Lookout Butte East	Red River	02/15/95	12443	98	0
Meridian Oil, Inc.	SWSW 33 7N 61E	Murphy 14-33H	1	21541	Lookout Butte East	Red River	12/18/94	11719	33	0
Meridian Oil, Inc.	SWSW 17 6N 61E	MOI 14-17H	1	21543	Lookout Butte East	Red River	02/19/95	11910	52	5
Meridian Oil, Inc.	NENE 30 7N 61E	Votruba 41-30H	1	21549	Lookout Butte East	Red River	03/09/95	12448	240	5
Meridian Oil, Inc.	SWSW 13 7N 60E	MOI 14-13H	1	21551	Lookout Butte East	Red River	05/05/95	13378	115	0
Meridian Oil, Inc.	SWSW 18 6N 61E	Federal 14-18H	1	21553	Lookout Butte East	Red River	05/04/95	13045	40	0
Meridian Oil, Inc.	SWSW 6 6N 61E	Federal 14-6H	1	21554	Lookout Butte East	Red River	07/15/95	13450	236	69
Meridian Oil, Inc.	SWSW 32 7N 61E	Murphy 14-32H	1	21555	Lookout Butte East	Red River	06/22/95	14206	286	50
Shell Western E & P Inc.	NWNW 10 9N 58E	Unit 11X-10H	1	21546	Cabin Creek	Red River	04/20/95	12051	353	29
Shell Western E & P Inc.	NWNE 17 10N 58E	Unit 31-17H	1	21572	Cabin Creek	Red River	10/24/95	12765	304	116
Shell Western E & P Inc.	NWSE 17 10N 58E	Unit M13-17H	1	21575	Cabin Creek	Mission Canyon	07/14/95	11800	339	0
Shell Western E & P Inc.	NWSW 17 10N 58E	Unit 33X-17H	1	21581	Cabin Creek	Red River	12/07/95	12853	155	30
Shell Western E & P Inc.	NWNE 28 10N 58E	Unit 31X-28H	1	21582	Cabin Creek	Red River	12/29/95	11497	56	0
Shell Western E & P Inc.	NWSW 17 10N 58E	Unit M13X-17H	1	21584	Cabin Creek	Mission Canyon	12/06/95	9235	400	1
Shell Western E & P Inc.	SENE 14 4N 61E	Unit 42-14H	1	21550	Little Beaver	Red River	04/28/95	12255	100	10
Shell Western E & P Inc.	NESE 33 5N 61E	Unit 43X-33RH	1	21544	Little Beaver, East	Red River	02/06/95	11567	400	30
Shell Western E & P Inc.	SESE 3 6N 60E	Unit 44-3H Re-entry	1	05153	Lookout Butte	Red River	05/21/95	10410	125	31

1995 WELL COMPLETIONS (CONTINUED)

OPERATOR	LOCATION	WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
									OIL B/D	GAS MCF/D
Shell Western E & P Inc.	NWSE 9 6N 60E	Coral Creek 33X-09H	1	05676	Lookout Butte	Red River	07/06/95	10130	76	105
Shell Western E & P Inc.	NENE 16 6N 60E	State 41X-16 Re-entry	1	05694	Lookout Butte	Red River	07/20/95	10285	170	0
Shell Western E & P Inc.	SENE 5 6N 60E	Coral Creek 42X-05 H	1	05700	Lookout Butte	Red River	10/17/95	10178	93	27
Shell Western E & P Inc.	SENW 16 7N 60E	State 22-16B Re-entry	1	05719	Lookout Butte		10/15/94	9043	0	0
Shell Western E & P Inc.	SWSE 27 7N 60E	Unit 34-27BH	1	21535	Lookout Butte	Red River	03/22/95	13555	254	78
Shell Western E & P Inc.	SWNW 14 6N 60E	Coral Creek 12X-14H	1	21536	Lookout Butte	Red River	03/17/95	13676	104	32
Shell Western E & P Inc.	NWNE 16 7N 60E	Unit 31X-16BH	1	21537	Lookout Butte	Red River	01/26/95	12050	230	45
Shell Western E & P Inc.	SESE 16 7N 60E	Unit 44-16BH	1	21539	Lookout Butte	Red River	03/02/95	12300	90	12
Shell Western E & P Inc.	NESE 11 6N 60E	Unit 43X-11H	1	21545	Lookout Butte	Red River	09/01/95	12450	197	54
Shell Western E & P Inc.	NWNE 15 6N 60E	Unit 31X-15H	1	21547	Lookout Butte	Red River	06/26/95	11865	157	0
Shell Western E & P Inc.	NWNE 9 6N 60E	Unit 31-9H	1	21552	Lookout Butte	Red River	05/22/95	12086	179	41
Shell Western E & P Inc.	SWSW 14 6N 60E	Unit 14-14H	1	21573	Lookout Butte	Red River	10/19/95	12577	124	21
Shell Western E & P Inc.	NENE 21 7N 60E	Unit 41-21BH	1	21574	Lookout Butte		07/12/95	12696	57	9
Shell Western E & P Inc.	SWNW 23 7N 60E	Unit 12-23BH	1	21580	Lookout Butte	Red River	08/14/95	12411	16	9
Shell Western E & P Inc.	SWSW 36 9N 58E	Monarch 14-36 Re-entry	1	05387	Monarch	Red River	08/28/95	11140	100	10
Shell Western E & P Inc.	NWNW 9 7N 60E	Unit 11X-9BH	1	21578	Pennel	Red River	07/26/95	12503	67	13
Shell Western E & P Inc.	SESW 2 9N 58E	S Wills Creek 24X-2H	1	21571	Wills Creek, South	Red River	09/19/95	12672	140	15
Williston Basin Interstate	SENW 26 6N 60E	Federal 463	2	21557	Cedar Creek	Eagle	07/25/95	1950	0	0
Williston Basin Interstate	SESW 4 8N 59E	Federal 455	2	21558	Cedar Creek	Eagle	08/01/95	1850	0	0
Williston Basin Interstate	SWNE 9 8N 59E	Federal 456	2	21559	Cedar Creek	Eagle	07/31/95	1850	0	0
Williston Basin Interstate	NESW 10 8N 59E	Federal 457	2	21560	Cedar Creek	Eagle	07/31/95	1850	0	0
Williston Basin Interstate	NWNE 15 8N 59E	Federal 458	2	21561	Cedar Creek	Eagle	07/28/95	1850	0	0
Williston Basin Interstate	NWNE 23 8N 59E	Federal 460	2	21562	Cedar Creek	Eagle	07/28/95	1850	0	0
Williston Basin Interstate	SWSW 24 8N 59E	Federal 461	2	21563	Cedar Creek	Eagle	07/27/95	1850	0	0
Williston Basin Interstate	NWNE 26 8N 59E	Federal 467	2	21565	Cedar Creek	Eagle	07/27/95	1825	0	0
Williston Basin Interstate	SWNE 36 8N 59E	State 468	2	21566	Cedar Creek	Eagle	07/26/95	1875	0	0
Williston Basin Interstate	N2N3 35 9N 58E	BN 466	2	21567	Cedar Creek	Eagle	08/12/95	1850	0	0
Williston Basin Interstate	SESE 36 9N 58E	State 454	2	21568	Cedar Creek	Eagle	08/01/95	1850	0	0
Williston Basin Interstate	NENW 36 9N 58E	State 459	2	21569	Cedar Creek	Eagle	08/02/95	1850	0	0
Williston Basin Interstate	NENW 23 9N 58E	BN 465	2	21570	Cedar Creek	Eagle	08/03/95	1960	0	0
Williston Basin Interstate	SWSE 14 9N 58E	Federal 464	2	21576	Cedar Creek	Eagle	08/03/95	1975	0	0
033 Garfield										
Meridian Oil, Inc.	NESW 27 13N 33E	MOI 23-27	6	21144	Wildcat		03/21/95	5050	0	0
Meridian Oil, Inc.	SWSE 21 13N 33E	MOI 34-21	6	21145	Wildcat		04/04/95	4950	0	0
Meridian Oil, Inc.	SESW 22 13N 33E	Galt 24-22	6	21147	Wildcat		05/03/95	5000	0	0
035 Glacier										
Bacon, J. R., Drilling, Inc.	NWNE 32 32N 5W	101-6	1	21903	Cut Bank	Cut Bank	06/23/95	2900	12	0
Bacon, J. R., Drilling, Inc.	SENW 32 32N 5W	102-16	1	21904	Cut Bank	Cut Bank	06/14/95	2990	1	0
Croft Petroleum Company	SWNE 11 37N 6W	Federal 1-5	1	21921	Blackfoot	Cut Bank/Madison	11/20/95	3624	120	0
Croft Petroleum Company	SESE 23 37N 6W	State 44-23 Re-entry	2	21435	Bradley		08/29/95	3154	0	101
FX Drilling Co., Inc.	NWNW 32 32N 5W	Tract 101-9	1	21915	Cut Bank	Cut Bank	08/07/95	2995	6	0
FX Drilling Co., Inc.	NENW 32 32N 5W	Tract 101-10	1	21916	Cut Bank	Cut Bank	08/16/95	2962	5	0
FX Drilling Co., Inc.	NESE 31 32N 5W	Fee 489 100-14	1	21917	Cut Bank	Cut Bank	06/30/95	3050	10	0
FX Drilling Co., Inc.	SENE 31 32N 5W	Fee 489 100-W12	7	21919	Cut Bank	Cut Bank	10/31/95	3078	0	0
FX Drilling Co., Inc.	NENE 31 32N 5W	Fee 489 100-W15	7	21922	Cut Bank	Cut Bank	11/30/95	3040	0	0
FX Drilling Co., Inc.	SWNW 32 32N 5W	Well 102-W17R	7	21931	Cut Bank	Cut Bank	10/31/95	3062	0	0
Intermountain Operating, Inc.	NWSW 2 32N 5W	Ranck-State 13-2	3	21887	Cut Bank		12/22/93	2892	0	0
Montana Power Company	NWNW 12 36N 5W	Hartin 4-12	7	21900	Cut Bank		08/05/95	2784	0	0
Montana Power Company	SESE 9 34N 5W	State 16-9	2	21911	Cut Bank	Cut Bank	04/13/95	2635	0	200
Montana Power Company	NENE 21 34N 5W	Parker 1-21	2	21912	Cut Bank	Cut Bank	04/09/95	2626	0	200
Montana Power Company	SWSW 22 34N 5W	Callison 13-22	2	21913	Cut Bank	Cut Bank	04/14/95	2635	0	200
Montana Power Company	NWSE 36 36N 5W	State 10-36	2	21914	Cut Bank	Cut Bank	04/08/95	2791	0	200
Montana Power Company	SENE 1 35N 6W	Texas State 8-1	2	21926	Cut Bank	Cut Bank	09/21/95	2904	0	120
Mountain States Resources Inc	SWSW 35 37N 5W	Berkram 35-1	3	21895	Cut Bank	Sunburst	02/21/94	2770	0	0
Mountain States Resources Inc	SWSE 2 37N 5W	Moberly 2-1	2	21909	Red Creek	Sunburst	12/18/94	2678	0	25
Mountain States Resources Inc	SENW 12 37N 5W	McAlpine 12-1	1	21910	Red Creek	Sunburst	12/30/94	2613	7	0
Somont Oil Company, Inc.	SENW 25 36N 5W	McNamee 25-6	2	21923	Cut Bank	Cut Bank	09/02/95	2824	0	310

1995 WELL COMPLETIONS (CONTINUED)

OPERATOR	LOCATION	WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL OIL B/D	POTENTIAL GAS MCF/D
041 Hill										
Brown, J. Burns Operating Co.	NESW 29 34N 15E	Valadon 29-34-15B	5**	22514	Browns Coulee, East		03/22/95	1500	0	0
Brown, J. Burns Operating Co.	NWSW 1 34N 16E	Marcel 1-34-16C	5**	22550	Red Rock	Eagle	02/10/95	1450	0	0
Brown, J. Burns Operating Co.	SENE 3 34N 16E	Leo 3-34-16C	5**	22551	Red Rock	Eagle	03/11/95	1450	0	0
Brown, J. Burns Operating Co.	SWNE 7 33N 16E	Paugh 7-33-16	5**	22552	Red Rock	Eagle	05/31/95	1600	0	0
Brown, J. Burns Operating Co.	NWSW 3 34N 15E	Wagner 3-34-15B	6	22533	Wildcat		03/18/95	1550	0	0
Brown, J. Burns Operating Co.	SWSW 9 35N 15E	Hilldale 9-35-15B	6	22548	Wildcat		10/23/94	1100	0	0
Brown, J. Burns Operating Co.	NWSE 16 33N 17E	State 16-33-17	5	22553	Wildcat	Eagle	04/26/95	1500	0	0
Brown, J. Burns Operating Co.	NWSE 32 35N 15E	Hanson 32-35-15	6	22554	Wildcat		04/21/95	1600	0	0
Brown, J. Burns Operating Co.	NENW 34 34N 14E	Morse 34-34-14	6	22555	Wildcat		06/03/95	1559	0	0
Brown, J. Burns Operating Co.	SESE 15 34N 15E	Verploegen 15-34-15	6	22556	Wildcat		07/18/95	1580	0	0
Brown, J. Burns Operating Co.	NWSW 14 33N 16E	State 14-33-16	6	22557	Wildcat		07/12/95	1400	0	0
Brown, J. Burns Operating Co.	NESW 24 33N 16E	State 24-33-16	5	22558	Wildcat	Eagle	07/09/95	1406	0	111
Brown, J. Burns Operating Co.	Lt2 18 33N 17E	Anderson 18-33-17	6	22559	Wildcat		07/21/95	1562	0	0
Brown, J. Burns Operating Co.	SENE 16 34N 17E	State 16-34-17	6	22560	Wildcat		08/05/95	1600	0	0
Brown, J. Burns Operating Co.	SWNE 12 34N 16E	Thiel 12-34-16	6	22564	Wildcat		12/22/95	1550	0	0
Florentine Exploration & Prod.	CNW 29 33N 8E	State 3-29	6	22561	Wildcat		10/23/95	3672	0	0
Intermountain Operating, Inc.	NESE 28 34N 9E	Bair 43-28	2	22546	Rudyard	Eagle	10/02/94	3420	0	150
Intermountain Operating, Inc.	NWSE 28 34N 9E	Widdis 33-28	3	22549	Rudyard		01/21/95	3441	0	0
051 Liberty										
Montana Power Company	NENE 23 36N 6E	Osler Unit 1-23	2	21691	Keith, East	Sawtooth	08/26/95	3103	0	250
Montana Power Company	NESE 23 36N 6E	Osler Unit 9-23	2	21692	Keith, East	Bow Island	08/29/95	2006	0	1400
Montana Power Company	SENW 14 36N 6E	Johns Unit 6-14	2	21693	Keith, East	Bow Island	09/01/95	2050	0	1400
065 Musselshell										
Macum Energy Inc.	NWSW 16 11N 30E	Macum State 13-16	6	21825	Wildcat		08/16/95	4100	0	0
Macum Energy Inc.	NWNE 10 11N 30E	Federal 31-10	6	21826	Wildcat		10/06/95	5095	0	0
Spence Accounts, Inc.	SENW 1 10N 28E	Goffena 1	6	21827	Wildcat		10/02/95	3830	0	0
Summit Resources, Inc.	SWSW 17 9N 25E	Adolph Stag 13-17	8	21819	Wildcat		07/31/94	6365	0	0
Summit Resources, Inc.	SWSE 5 10N 27E	Jim Coulee 15-5	6	21821	Wildcat		12/08/94	3850	0	0
Summit Resources, Inc.	SWNW 19 11N 27E	Jim Coulee 5-19	6	21822	Wildcat		12/19/94	4015	0	0
Summit Resources, Inc.	SWSE 24 11N 26E	Jim Coulee 15-24	6	21823	Wildcat		01/02/95	3860	0	0
071 Phillips										
North American Resources Co.	LT 4 1 36N 31E	Anderson 11-1	2	22289	Loring, East	Bowdoin/Phillips	11/11/95	1775	0	500
North American Resources Co.	NENE 18 36N 32E	Olsen 41-18	2	22290	Loring, East	Bowdoin/Phillips	11/02/95	1825	0	165
North American Resources Co.	NENW 28 37N 31E	Harrison 21-28	2	22291	Loring, East	Bowdoin/Phillips	11/13/95	1740	0	564
North American Resources Co.	SESW 19 36N 32E	Anderson Fed. 24-19	2	22292	Loring, East	Bwdn/Gmhnm/Phil	11/02/95	1625	0	335
North American Resources Co.	SENW 32 37N 31E	LaRoche Trust 22-32	3	22294	Loring, East		10/27/95	218	0	0
North American Resources Co.	SENW 32 37N 31E	LaRoche Trust 22-32A	2	22295	Loring, East	Bowdoin/Phillips	11/12/95	1995	0	316
Williston Basin Interstate	NENW 2 32N 32E	Federal 990	2	22275	Bowdoin & Area	Phillips	09/21/95	1225	0	1995
Williston Basin Interstate	SWSW 8 32N 32E	Federal 988	2	22276	Bowdoin & Area	Phillips	09/20/95	1200	0	1770
Williston Basin Interstate	SENW 25 32N 33E	Federal 992	2	22277	Bowdoin & Area	Phillips	09/19/95	1200	0	595
Williston Basin Interstate	NESE 31 33N 32E	Federal 989	2	22278	Bowdoin & Area	Phillips	09/20/95	1325	0	1350
Williston Basin Interstate	NWNE 1 32N 32E	Fee 991	2	22279	Bowdoin & Area	Phillips	09/21/95	1225	0	1350
Williston Basin Interstate	NESW 9 32N 32E	Fee 987	2	22280	Bowdoin & Area	Phillips	09/19/95	1200	0	620
Williston Basin Interstate	NESE 27 32N 34E	Fee 993	2	22281	Bowdoin & Area	Phillips	09/19/95	1250	0	207
Williston Basin Interstate	SWSE 2 32N 32E	Fee 1000	2	22283	Bowdoin & Area	Phillips	09/22/95	1250	0	1660
Williston Basin Interstate	SWSE 3 32N 32E	Fee 1001	2	22284	Bowdoin & Area	Phillips	09/21/95	1175	0	1600
Williston Basin Interstate	NESE 33 33N 32E	Federal 1002	2	22288	Bowdoin & Area	Phillips	09/20/95	1250	0	150
073 Pondera										
Mountain Pacific General, Inc.	SWNE 12 26N 2E	Seidler 12-7	6	21762	Wildcat		11/06/95	1922	0	0
Mountain Pacific General, Inc.	SWSW 20 26N 2E	Hemstad 20-13	6	21763	Wildcat		10/26/95	1683	0	0
Mountain Pacific General, Inc.	NWSW 35 27N 2E	Maurer-State 35-12	6	21764	Wildcat		11/04/95	1172	0	0

1995 WELL COMPLETIONS (CONTINUED)

OPERATOR	LOCATION	WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL	POTENTIAL
									OIL B/D	GAS MCF/D
075 Powder River										
Equitable Resources - Balcron	SESE 25 8S 53E	Giacometto 44-25	6	22219	Wildcat		01/13/95	4774	0	0
083 Richland										
Cenex, Inc.	SWNE 29 24N 58E	Dynneson 7-29	1	21818	Brorson	Interlake	04/28/95	12720	222	0
Cenex, Inc.	NWSW 28 24N 58E	Federal 12-28	1	21819	Brorson	Red River	05/05/95	12800	73	0
Cenex, Inc.	LT 1 19 24N 59E	Dore 4-19	1	21820	Hay Creek	Red River	06/15/95	12600	371	0
Hallwood Petroleum, inc.	NWSE 9 24N 57E	Simonsen C 2-9	1	21822	Lonetree Creek	Interlake	12/03/95	12700	199	148
Meridian Oil, Inc.	NENE 12 24N 59E	Deming 41-12H	1	21814	Fairview, West	Mission Canyon	04/26/94	11558	52	0
Meridian Oil, Inc.	NWSW 29 25N 57E	Signorotti 13-29H	8	21815	Wildcat		05/25/94	11476	0	0
085 Roosevelt										
Continental Resources Inc	SENE 20 30N 46E	Bauer 1-20	6	21593	Wildcat		01/22/95	8910	0	0
Intermountain Operating, Inc.	SENE 16 30N 57E	State 1 Re-entry	4	05221	Wildcat	Ratcliffe	11/10/95	8600	273	150
Panterra Petroleum	SWNE 10 28N 58E	Bob Crusch 2-10X	1	21595	Bainville, North	Nisku	10/23/95	10919	98	63
Panterra Petroleum	NWNW 15 28N 58E	Granley-State 4-15	1**	21596	Bainville, North	Red River	09/09/95	12922	349	202
Sinclair Oil Corporation	SWSW 3 29N 49E	Zavanna Tribal 13-3	6	21594	Wildcat		07/20/95	7700	0	0
Upton Resources USA Inc.	NESW 16 29N 59E	Samedan 1-16 State	6	21597	Wildcat		06/29/95	10775	0	0
087 Rosebud										
Florentine Exploration & Prod.	LT 7 31 12N 33E	Infinity St. 31-13A	4**	21637	Rattler Butte	Tyler	11/17/94	5671	0	0
Florentine Exploration & Prod.	SWNE 31 12N 33E	Infinity State 31-7	6	21641	Wildcat		09/21/95	5616	0	0
Great Plains Resources Inc.	SESE 36 12N 32E	State 16-36	6	21640	Wildcat		09/02/95	5624	0	0
Great Plains Resources Inc.	NWNW 22 11N 31E	DeJaegher 4-22	6	21642	Wildcat		10/01/95	4199	0	0
Meridian Oil, Inc.	SWSE 21 11N 36E	MOI 34-21	5	21634	Wildcat		05/28/94	1600	0	0
True Oil Co	SESW 21 11N 32E	Schwahn 24-21	6	21632	Wildcat		05/02/94	4950	0	0
True Oil Co	SWSW 20 11N 32E	Radella State 14-20	6	21638	Wildcat		06/07/95	4705	0	0
True Oil Co	NESW 21 11N 32E	Schwahn 23-21	6	21639	Wildcat		05/25/95	4930	0	0
091 Sheridan										
Basin Exploration, Inc.	NENW 36 36N 52E	State 21-36	6	21690	Wildcat		09/24/95	10221	0	0
Berco Resources, Inc.	NENW 34 36N 52E	Tange 1-34	6	21693	Wildcat		10/11/95	9018	0	0
Costilla Petroleum Corp.	SESW 18 36N 53E	HJ Madsen 2 Re-entry	1	21182	Outlook	Interlake	04/22/95	9161	100	25
Discovery GeoServices, Inc.	SESW 36 35N 56E	Tuscany State 36-11	6	21686	Wildcat		06/14/95	11080	0	0
Equitable Resources - Balcron	SWSW 2 33N 55E	Eidness 14-2	3	21685	Green Coulee, East		03/18/95	11135	0	0
Equitable Resources - Balcron	NESW 35 36N 52E	Loucks 1 SWD Re-entry	7	05095	Outlook, South	Dakota	10/02/95	10842	0	0
LYCO Energy Corp.	NESW 33 35N 58E	Teal-Petersen 33-12	4**	21688	Goose Lake	Red River	08/12/95	11130	91	0
Meridian Oil, Inc.	SWNW 24 34N 58E	Haavan 12-24	4	21679	Wildcat	Red River	08/29/94	11420	0	0
Outlook Petroleum Corp.	NENE 30 36N 54E	Wold #1	6	21687	Wildcat		05/05/95	10200	0	0
Texaco Exploration And Prod.	SESW 28 33N 56E	Angvick Farms 1	3	21684	Reserve		02/13/95	11422	0	0
Wyoming Resources Corp.	SESW 5 33N 58E	Myers 1	4**	21683	Clear Lake	Red River	03/01/95	11325	108	0
095 Stillwater										
Lockridge, John P	SWSE 18 3N 19E	Stimpson, Inc. 1-18	3	21247	Sixshooter Dome		02/22/95	3820	0	0
101 Toole										
Branch Oil and Gas	SWNE 24 34N 3W	Pride 1	1	23695	Kevin Sunburst	Madison	08/03/94	1578	12	0
Kee Sun Corp.	NESE 23 34N 1W	Mosser 9-23-34-1	2	23727	Kevin Sunburst	Sunburst	05/31/95	1293	0	200
Kee Sun Corp.	W2NE 32 33N 1W	Parker-Bailey 7B-32	2	23652	Old Shelby	Swift	10/31/94	1398	0	40
Kee Sun Corp.	NWSE 32 33N 1W	Parker-Bailey 10-32	2	23654	Old Shelby	Sunburst	10/27/94	1415	0	100
Kee Sun Corp.	NESW 4 33N 1W	Restana 11-A-4	2	23662	Old Shelby	Bow Island	05/04/94	1293	0	100
Kee Sun Corp.	SESE 16 33N 1W	Restana 16-16	2	23663	Old Shelby	Bow Island/Sunburst	05/17/94	1180	0	300
Kee Sun Corp.	SWNW 16 33N 1W	Restana 5-16-33-1	2	23711	Old Shelby	B I/Sunburst/Swift	01/20/95	1293	0	227
Kee Sun Corp.	NWSE 16 33N 1W	Restana-MPC 10-16	3	23718	Old Shelby		05/25/95	1260	0	0

1995 WELL COMPLETIONS (CONTINUED)

OPERATOR	LOCATION	WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL	POTENTIAL
									OIL B/D	GAS MCF/D
Kee Sun Corp.	NWSE 16 33N 1W	Restana-MPC 10R-16	2	23728	Old Shelby		07/11/95	1260	0	194
Kee Sun Corp.	SENE 8 33N 1W	Mountain 8-8-33-1	2	23696	Prairie Dell	Bow Island/Sunburst	07/10/94	1323	0	100
Legend Resources, Inc.	NWNW 27 36N 2W	Slemaker 1-4-27	6	23742	Kevin Sunburst		11/13/95	1889	0	0
Montana Power Company	SWSW 16 37N 4W	State 13-16	7	23719	Cut Bank		02/24/95	2620	0	0
Montana Power Company	SWNE 31 37N 4W	MPC Fee 7-31	7	23720	Cut Bank		03/03/95	2656	0	0
Northstar Gas Co., Inc.	SESW 5 31N 3E	Flage 2-5	2	23738	Galata	Bow Island	10/08/95	822	0	1550
Northstar Gas Co., Inc.	N2SW 8 31N 3E	Flage 2-8	3	23739	Galata		10/10/95	839	0	0
Northstar Gas Co., Inc.	CNE 19 31N 3E	Grant 2-19	2	23740	Galata	Bow Island	10/12/95	911	0	100
Northstar Gas Co., Inc.	CSW2 30N 2E	Peterson 2-2	2	23736	Tiber, East	Bow Island	10/18/95	870	0	55
Northstar Gas Co., Inc.	SESW 35 31N 2E	Robertson 2-35	2	23737	Tiber, East	Bow Island	10/16/95	905	0	140
Ranck Oil Company, Inc.	W2W2 5 33N 3E	Kanning 5-1	6	23729	Wildcat		07/13/95	2003	0	0
S & W Petroleum Consultants	SWNE 18 36N 3W	Rimrock Colony K418X	2	23699	Amanda	Bow Island	08/08/94	1755	0	47
Somont Oil Company, Inc.	SWNE 30 35N 4W	Federal 1X	2	23731	Cut Bank	Cut Bank	08/23/95	2365	0	50
Somont Oil Company, Inc.	NENE 8 35N 3W	Federal 1-8	3	23732	Kevin Sunburst		09/13/95	1996	0	0
Somont Oil Company, Inc.	NWNW 17 35N 3W	Federal 4-17	2	23733	Kevin Sunburst	Swift/Sunburst	09/10/95	2529	0	117
Spectrum Energy, Inc.	CNE3 33N 3E	Wohlrahe 1278-3	2	23741	Antelope Coulee		10/20/95	1129	0	94
Spectrum Energy, Inc.	NWNW 32 33N 1W	Berg 1-32	2	23684	Old Shelby	Sunburst	05/06/95	1304	0	545
Spectrum Energy, Inc.	S2SE 34 33N 2W	Cox 3-34	2	23693	Old Shelby	Sunburst	01/18/95	1539	0	278
Spectrum Energy, Inc.	NESW 1 33N 1W	Collier 2-1	3	23712	Old Shelby		04/26/95	1323	0	0
Spectrum Energy, Inc.	NESW 1 33N 1W	Collier 2R-1	2	23725	Old Shelby	Swift	04/30/95	1430	0	448
Spectrum Energy, Inc.	NESW 1 33N 1W	Collier 3-1	3	23726	Old Shelby		05/01/95	848	0	0
Spectrum Energy, Inc.	SESE 14 33N 2W	Flesch 2-14	3	23724	Prairie Dell		05/18/95	1398	0	0

105 Valley

C.B. Moncrief	LT11 18 33N 39E	Wolf Creek 18-1	8	21422	Wildcat	Mississippian	10/07/94	4912	0	0
C.B. Moncrief	NENE 24 33N 38E	Wolf Creek 24-1	6	21425	Wildcat		04/14/95	4680	0	0

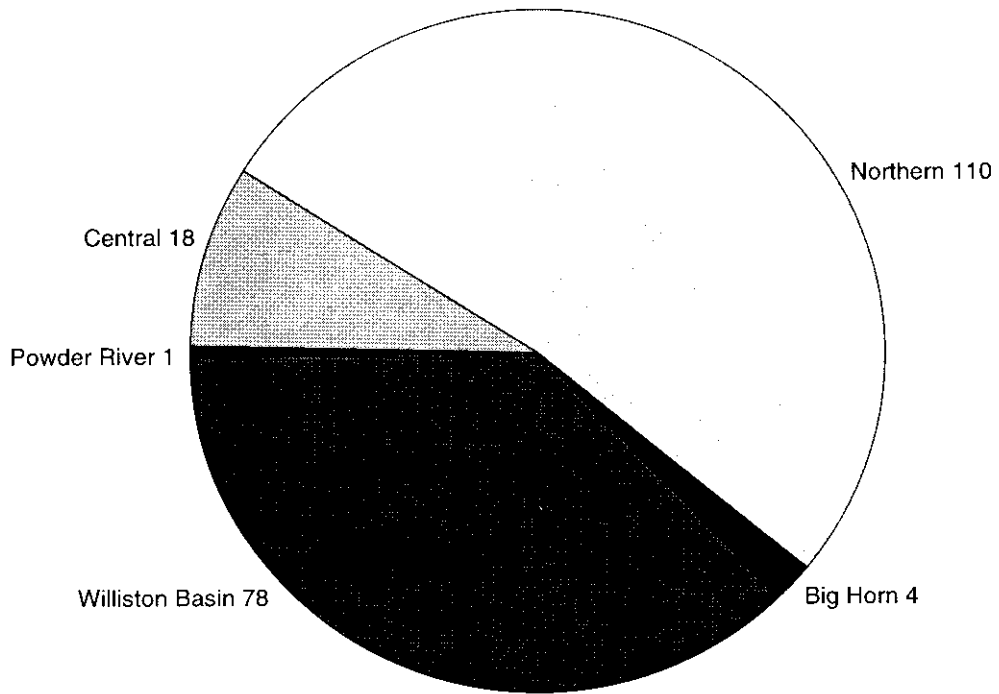
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Shell Western E & P Inc.	SESE 5 11N 57E	Unit 44X-5AH	1	21077	Pine	Red River	11/09/95	12115	5	8
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Status Codes:

1 - Development Oil	* New Pay Zones
2 - Development Gas	** Extensions
3 - Development Dry	*** New Discovery
4 - Exploratory Oil	
5 - Exploratory Gas	
6 - Exploratory Dry	
7 - Service Well	
8 - Other/Temp. Aband.	

**Wells Completed in 1995
(211 Wells - by Region)**



1995 SUMMARY OF SECONDARY RECOVERY PROJECTS

Field	Formation	Operator	Type of Project	Injection Pattern	Date Injection Commenced	1995 Cumulative Injections MBBLs or MCMF	Avg. Daily Injection Rate BBLs or MCF	No. of Injection Wells	Source of Injection Media and Remarks
Ash Creek Crow Tribal	Shannon	Mobil	Waterflood	Peripheral	10/64	256	-	-	Idle
Ash Creek Sand Unit MT	Shannon	DNR Oil & Gas Inc.	Waterflood	Peripheral	10/64	1364	22	1	WSW and produced
Bears Den	Swift	FX Drilling Co., Inc.	Waterflood	Random	11/90	1154	541	4	WSW/Produced
Bell Creek Consolidated	Muddy	Exxon Corporation	Waterflood	5 Spot	*4/70	527708	2997	6	Produced *Consolidated 1/92
Bell Creek, South	Muddy	Exxon Corporation	Waterflood	Peripheral	2/91	944	6	1	Produced (5 months)
Big Wall BWLTSU	Lower Tyler	Citation Oil & Gas	Waterflood	Random	10/84	31065	6955	4	Produced
Big Wall BWUTSU	Upper Tyler	Citation Oil & Gas	Waterflood	Random	8/66	43956	2986	1	Produced
Blackfoot	Cut Bank	Croft Petroleum	Waterflood	Random	7/76	4223*	518	4	Madison
Border, New	Cut Bank	P&M Petroleum	Waterflood	Random	1/82	-	-	-	Idle
Border, Old	Cut Bank	Gypsy Highview System	Waterflood	Random	6/73	1895*	102	1	Cut Bank
Breed Creek	Tyler	True Oil Co.	Waterflood	Random	11/92	1063	1502	1	NA
Cabin Creek	Siluro-Ord.	Shell Western E&P	Waterflood	Semi-Perip	6/59	370653*	19973	23	Produced
Cat Creek East Dome	Ellis Sand	Robert Hoss	Waterflood	Semi-Perip	7/70	1637	84	2	Third Cat Creek
Cat Creek Mosby	Amsden	Cenex	Waterflood	Random	6/71	313	-	-	Idle
Cat Creek Mosby Dome	Swift	Cenex	Waterflood	Random	7/67	6946*	234	2	Third Cat Creek
Cat Creek Unit 1	2nd Cat	Cenex	Waterflood	Semi-Perip	10/62	13499	1198	2	Third Cat Creek
Cat Creek Unit 1	1st Cat	Cenex	Waterflood	Semi-Perip	10/62	8814	525	1	Third Cat Creek
Cat Creek Unit 2	1st Cat	Cenex	Waterflood	Semi-Perip	12/59	10058	130	2	Third Cat Creek
Cat Creek Unit 2	2nd Cat	Cenex	Waterflood	Semi-Perip	12/59	14613	812	3	Third Cat Creek
Cut Bank 2 Medicine	Cut Bank	Montana Mill Oper.	Waterflood	Random	12/67	58499*	-	-	Idle
Cut Bank Airport Unit	Cut Bank	Mercury Exploration	Waterflood		6/93	474	500	1	Madison
Cut Bank Dahlquist	Cut Bank	Bluejay Resources	Waterflood	Random	11/79	671	-	-	Idle
Cut Bank Lander A	Lander Sand	Quest Petroleum Corp.	Waterflood	Random	4/65	2115	-	-	Idle
Cut Bank Marina	Cut Bank	P&M Petroleum	Waterflood	5 Spot	6/72	2075	-	-	Idle
Cut Bank NCCBSU	Cut Bank	Gypsy Highview	Waterflood	5 Spot	5/78	5757	-	-	Idle
Cut Bank NECBSU	Cut Bank	J and G Operating	Waterflood	5 Spot	6/63	13409	-	-	Idle
Cut Bank NWCBSU	Cut Bank	Quest Petroleum Corp.	Waterflood	5 Spot	1/62	19794*	-	-	Idle
Cut Bank Rieckhoff	Cut Bank	FX Drilling Co.	Waterflood	Random	1983	2194*	838	5	Madison and recycled
Cut Bank SCCBSU	Cut Bank	Mercury Exploration	Waterflood	5 Spot	5/63	72171	1864	18	Madison
Cut Bank SWCBSU	Cut Bank	FX Drilling Co., Inc.	Waterflood	5 Spot	9/62	147801	6006	29	Madison/Recycle
Cut Bank Tesoro	Cut Bank	City Oil Co.	Waterflood	5 Spot	9/71	6759	-	-	Madison/Recycle
Cut Bank Tweedy	Cut Bank	Gypsy Highview	Waterflood	5 Spot	6/72	985*	11	1	Cut Bank
Darling	Cut Bank	Buttes Resources	Waterflood	Random	2/67	-	-	-	Idle
Darling North Unit	Moulton	Buttes Resources	Waterflood	Random	2/68	2472	-	-	Idle
Darling South Unit	Moulton	Buttes Resources	Waterflood	Random	2/67	7548	-	-	Idle
Dean Dome	Greybull	Eastern American	Steam Inj	Cyclic	8/81	29	-	-	Idle
Dwyer	Charles	Samedan Oil Corp.	Waterflood	Peripheral	10/68	2691*	222	1	Dwyer/Charles
Elk Basin	Frontier	Amoco	Waterflood	Crestal	12/72	6039	-	-	Idle
Elk Basin	Madison	Amoco	Waterflood	Semi-Perip	8/61	133257*	9422	13	Produced
Elk Basin NW	Madison	Amoco	Waterflood	Semi-Perip	12/88	2805	918	1	Produced
Elk Basin NW	Tensleep	Amoco	Waterflood	Semi-Perip	1/67	5918	-	-	Idle
Elk Basin Unit	Tensleep	Amoco	Waterflood	Semi-Perip	4/67	2431	-	-	Idle
Fairview	Red River	Mepna, Inc.	Pressure M	Random	5/70	4186	-	-	Idle
Flat Coulee	Swift	Breck Operating Corp.	Waterflood	Peripheral	2/72	19128	2703	12	Eagle & Produced
Flat Lake Unit	Ratcliffe	CamWest LP	Pressure M	Random	6/71	48431	2452	12	Produced
Flat Lake West	Ratcliffe	CamWest LP	Pressure M	Random	11/74	9113	704	2	Produced
Frannie	Tensleep	Conoco	LPG Inj	Random	11/70	23131*	-	-	Idle
Frannie	Tensleep	Conoco	Waterflood	Random	11/70	526846*	-	-	Montana project P&A'd
Fred & George Creek	Sunburst "A"	William M. Fulton	Waterflood	Random	7/76	62364	2485	2	Madison/Eagle
Gas City	Red River	Home-Stake Royalty Co.	Waterflood	Semi-Perip	10/69	18082	850	3	Mission Canyon
Goose Lake	Ratcliffe	Forcenergy Gas Explor.	Waterflood	Semi-Perip	1/73	31301	2932	2	Produced
Graben Coulee	Cut Bank	Monte Grande Explor.	Waterflood	Random	7/83	735*	-	-	Converted to disposal
Gumbo Ridge	Tyler B	Cline Production Co.	Waterflood	Semi-Perip	6/80	3151	247	1	Produced
Highview	Madison	Mountain States Res.	Waterflood	Random	12/91	131	95	1	Madison (Converted from CO2)
Ivanhoe	Tyler	Tomahawk Oil Co.	Pressure M	Random	5/64	529	361	1	Produced
Jim Coulee	Tyler	Beartooth Oil & Gas	Waterflood	Semi-Perip	7/72	27917*	2439	2	Produced Cat Creek
Keg Coulee NW Unit	Tyler	Charoil Company	Waterflood	Semi-Perip	3/64	6444	162	1	Madison
Keg Coulee Tyler Unit	Tyler	Cline Production Co.	Waterflood	Semi-Perip	12/69	3572*	113	2	Produced
Keg Coulee Unit	Tyler	Central Resources Inc.	Waterflood	Semi-Perip	8/66	7138	412	1	Produced
Kelley	Tyler B	Grand Resources, Ltd.	Waterflood	Random	7/69	4922*	198	1	Produced
Kevin Homestake SU	Sunburst	Natural Gas Process.	Waterflood	Random	8/64	9113*	782	6	Madison & Produced
Kevin Sunburst SU	Sunburst	Basin Operating Co.	Waterflood	Random	8/64	13108	-	-	Idle

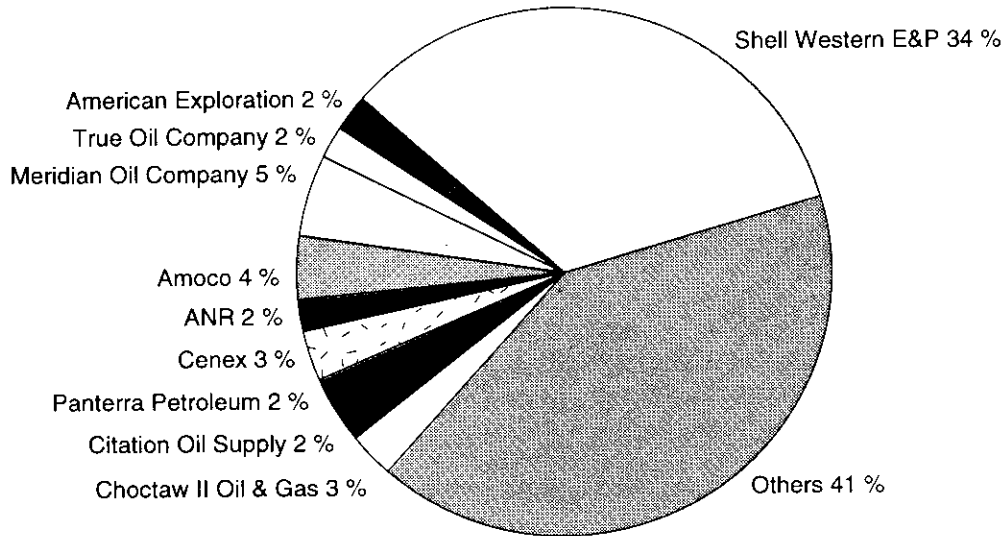
1995 SUMMARY OF SECONDARY RECOVERY PROJECTS (CONTINUED)

Field	Formation	Operator	Type of Project	Injection Pattern	Date Injection Commenced	1995	Avg. Daily	No. of Injection Wells	Source of Injection Media and Remarks
						Cumulative Injections MBBLS or MCF	Injection Rate BBLs or MCF		
Kincheloe Ranch	Tyler A	Tyler Rockies Explor.	Waterflood	Random	11/89	1939	773	1	Third Cat Creek
Kincheloe Ranch, West	Tyler "A"	Tyler Rockies Explor.	KR Tyler SU	Random	02/92	150	106	1	Third Cat Creek
Laird Creek	Swift	Natural Gas Proc.	Waterflood	Semi-Perip	2/77	807	-	-	Idle
Little Beaver	Red River	Shell Western E&P	Waterflood	Semi-Perip	8/66	59005*	3067	9	Produced
Little Beaver East	Red River	Shell Western E&P	Waterflood	Semi-Perip	4/65	26322*	1958	7	Produced
Little Wall - Hamilton	Tyler	Beartooth Oil & Gas	Waterflood	Random	07/92	37	-	-	Idle
Little Wall - Weisner	Tyler	Beartooth Oil & Gas	Waterflood	Random	01/92	322	221	1	Produced
Little Wall Creek	Tyler	Citation Oil & Gas	Waterflood	Random	1984	1078	278	2	Produced
Little Wall S - Unit	Tyler	Beartooth Oil & Gas	Waterflood	Random	10/83	17358	2769	4	Produced
Little Wall S Gunderson	Tyler	Beartooth Oil & Gas	Waterflood	Random	10/87	1573	726	1	Produced
Lookout Butte Coral Ck.	Red River	Shell Western E&P	Waterflood	Semi-Perip	4/67	67727*	6404	13	Minnetusa
Lookout Butte East	Red River B	Meridian Oil Inc.	Waterflood	Pilot	7/88	504	503	3	Produced
Mason Lake	1st Cat Creek	Nielco, Inc.	Waterflood	Unknown	11/88	472	-	-	Idle
Melstone North	Tyler	True Oil Co.	Waterflood	Unknown	1/83	8397	1834	4	3rd Cat Creek
Monarch	Siluro/Ord	Shell Western E&P	Waterflood	Unknown	12/73	7424	341	2	
Pennel	Siluro/Ord	Shell Western E&P	Waterflood	Random	8/69	287736*	47417	82	Dakota & Produced
Pine A	Siluro/Ord	Shell Western E&P	Waterflood	Semi-Perip	3/59	207902	18255	30	Fox Hills/Produced
Pine C & D	Red River	Shell Western E&P	Waterflood	Semi-Perip	3/68	26204*	322	2	Lodgepole
Prichard Creek	Sunburst	Fulton Producing	Waterflood	Random	4/73	1184	-	-	Idle
Ragged Point SW	Tyler	Grand Resources, Ltd.	Waterflood	Random	10/82	12386	3543	4	Produced
Ragged Point Tyler A	Tyler	Central Resources Inc.	Waterflood	Semi-Perip	12/66	12021	116	1	Produced (6 months)
Rattler Butte	Tyler	Anchor Bay Corp.	Waterflood		5/93	105	130	1	Cat Creek (7 months)
Raymond	Nisku	Costilla Petroleum	CO2 Inj.		8/83	2357	188	1	Produced
Reagan Dome	Madison	Union Oil California	Waterflood	Random	7/73	9235	1277	5	Produced
Red Creek	Cut Bank	Summit Resources, Inc.	Waterflood	5 Spot	6/65	22466*	10766	3	Produced
Ridgelawn RDU	Duperow	Cowry Enterprises Ltd.	Secondary	Unknown	7/90	3723	864	2	Dakota
Roscoe Dome	Lakota	E. American Energy	Steam Inj.	Unknown	5/82	5	-	-	Idle
Rosebud	Tyler	Anchor Bay Corp.	ER	Random	09/91	579	308	1	Cat Creek
Shepherd	Tyler	Summit Resources	Secondary	Random	11/84	95	-	-	Idle
Stensvad	Tyler	Tomahawk Oil Co.	Waterflood	Semi-Perip	12/63	29543*	696	2	Produced
Sumatra Central	Tyler	Ballard & Associates	Waterflood	Semi-Perip	9/69	201369	15338	10	Madison/Produced
Sumatra Grebe	Tyler	Tomahawk Oil Co.	Waterflood	Random	6/75	1248	414	1	Produced
Sumatra NE	Tyler	Ballard & Associates	Waterflood	Semi-Perip	9/69	13192*	139	1	Produced
Sumatra SE	Tyler	Central Resources Inc.	Waterflood	Semi-Perip	12/69	34350	3281	3	Produced
Sumatra Sawyer	Tyler	Central Resources Inc.	Waterflood	Semi-Perip	6/80	1452	148	1	Madison
Sumatra W.Kincheloe	Tyler	Great Plains Oper.	Waterflood	Semi-Perip	5/82	26880	5786	6	Madison
Sumatra West	Tyler	Cline Production Co.	Waterflood	Semi-Perip	10/68	67277	3635	5	Produced
Tippy Buttes	Tyler	True Oil	Waterflood	Random	5/82	262	-	-	Abandoned
Utopia	Swift	True Oil Co.	Waterflood	Random	03/92	302	567	7	
Winnett Junction	Tyler	Beartooth Oil & Gas	Waterflood	Random	10/77	9849	1120	2	Produced
Wolf Springs South	Amsden	Beartooth Oil & Gas	Waterflood		1/93	258	231	1	Water Supply Well

* Cumulative figures adjusted by operator

Top Producing Oil Companies - 1995

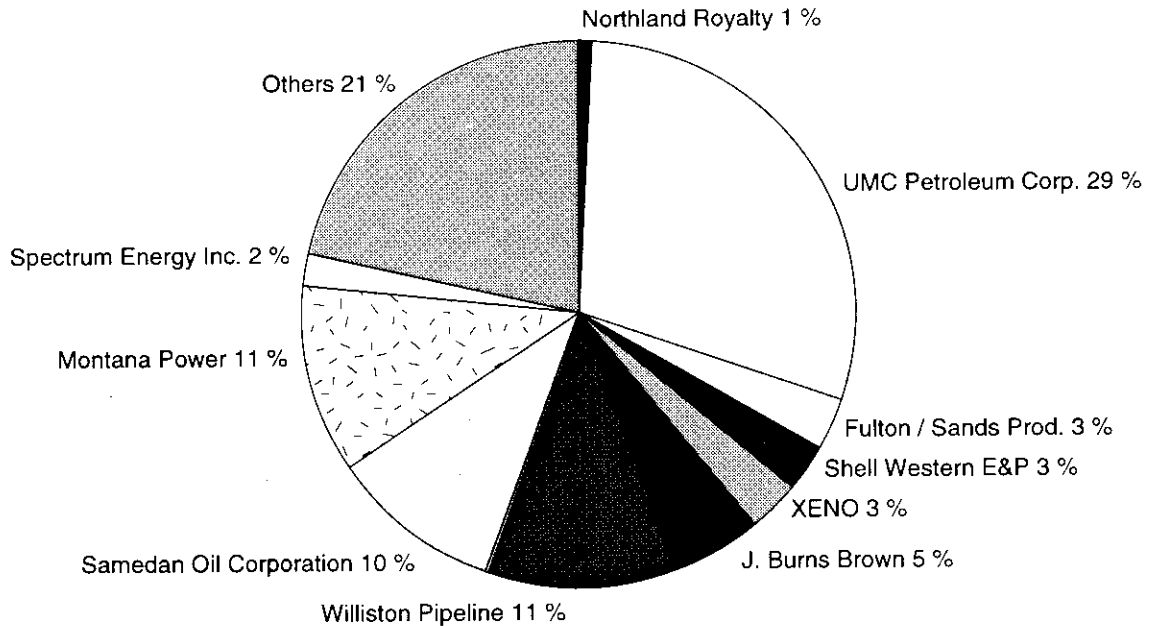
16,525,824 Barrels



227 Active Oil Producers-1995

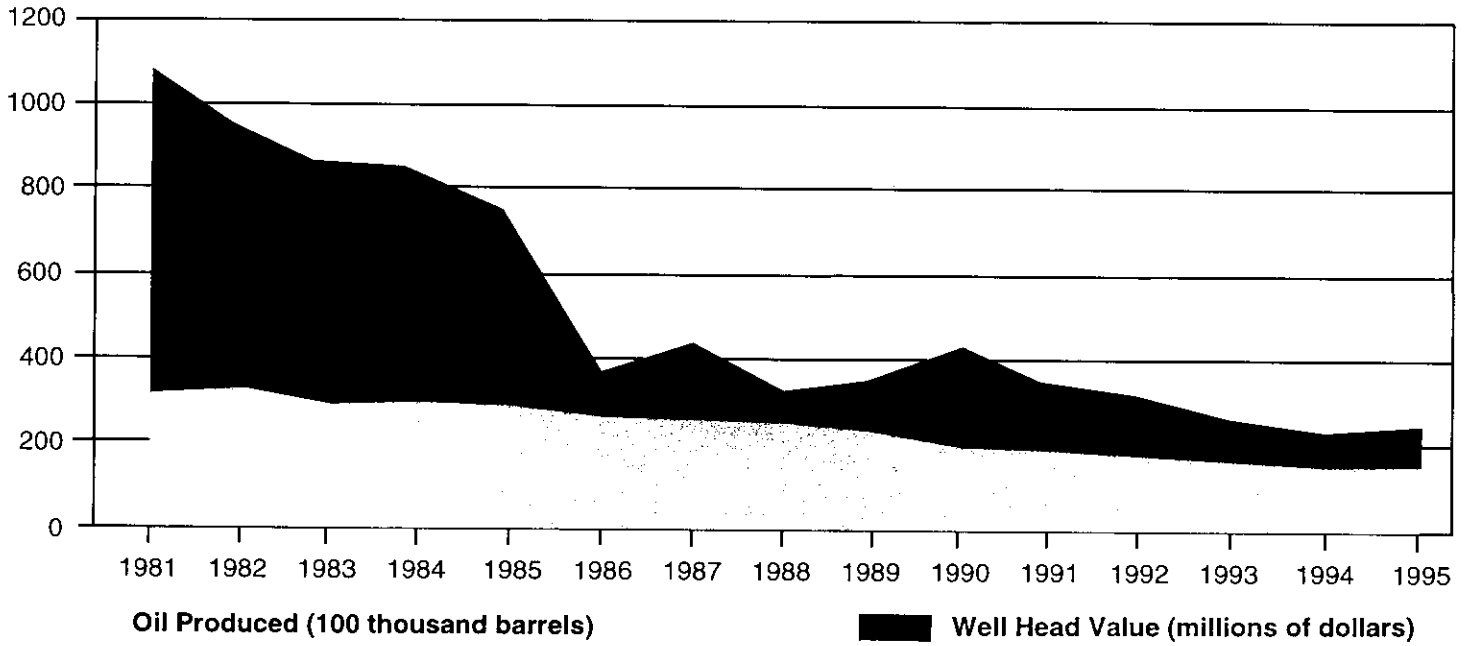
Top Producing Gas Companies-1995

50,727,864 MCF

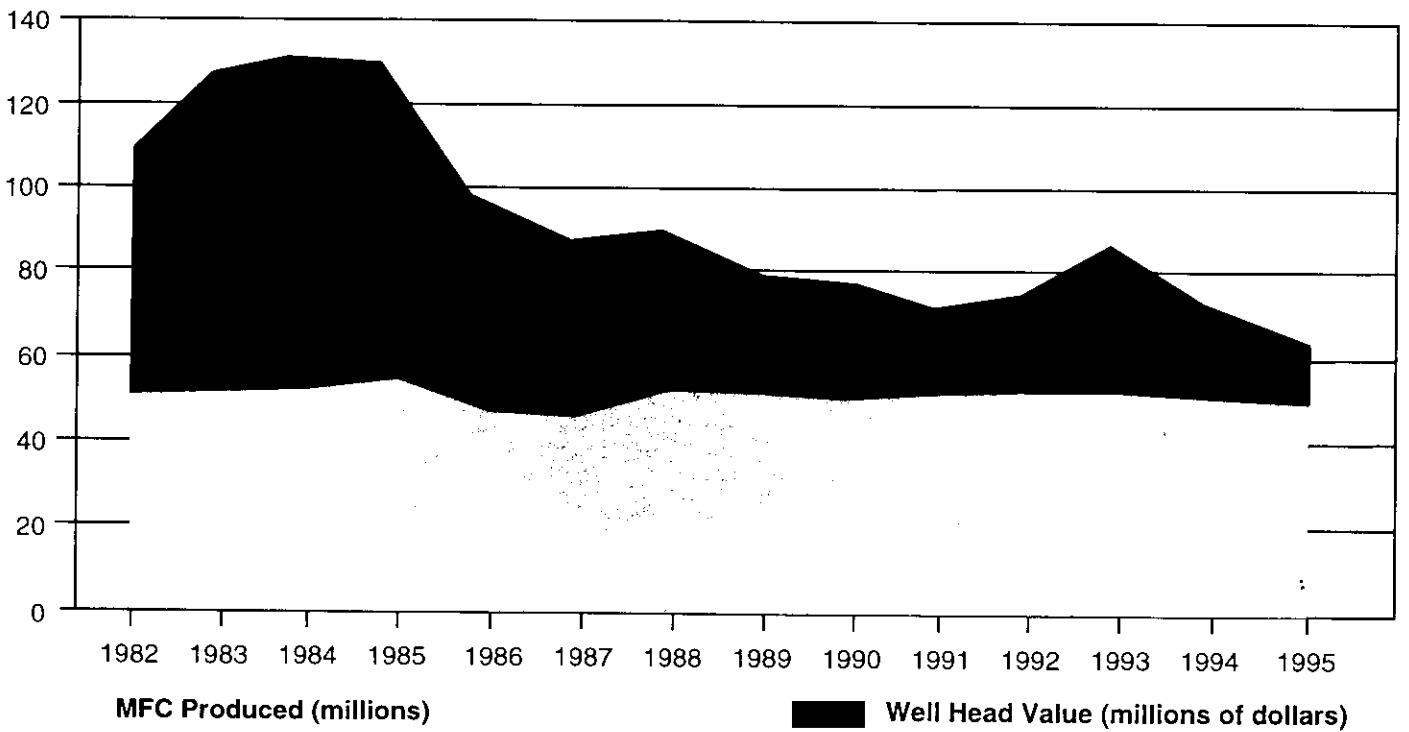


173 Active Gas Producers - 1995

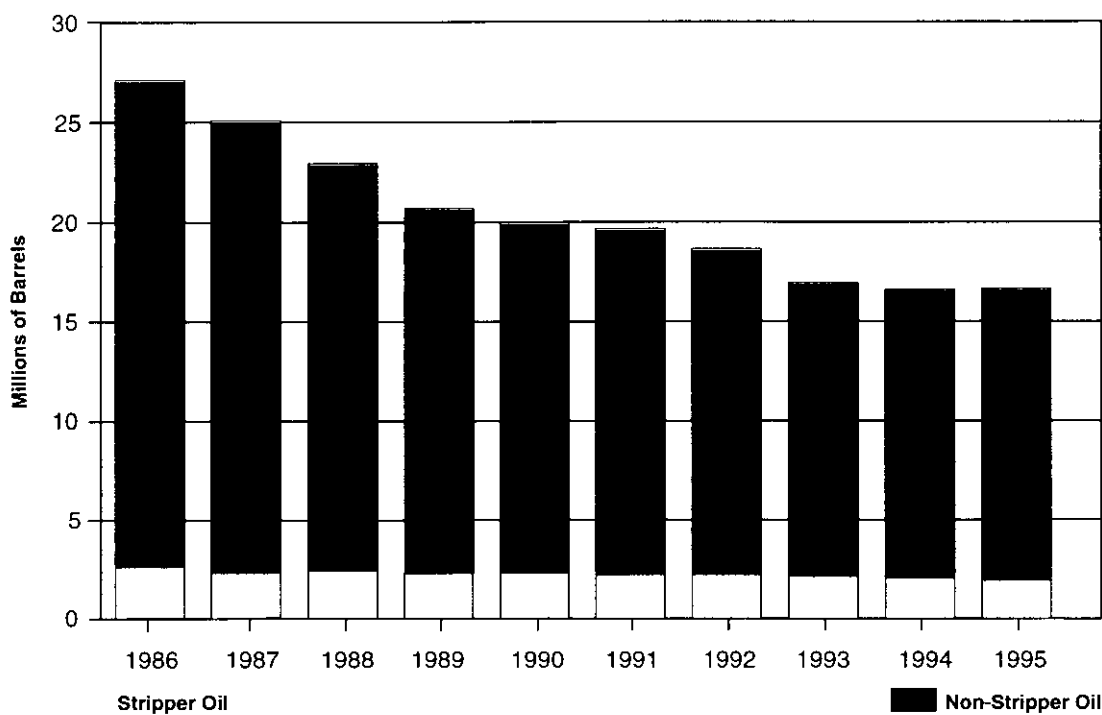
Oil Produced and Oil Value



Gas Produced and Gas Value Natural and Associated Gas

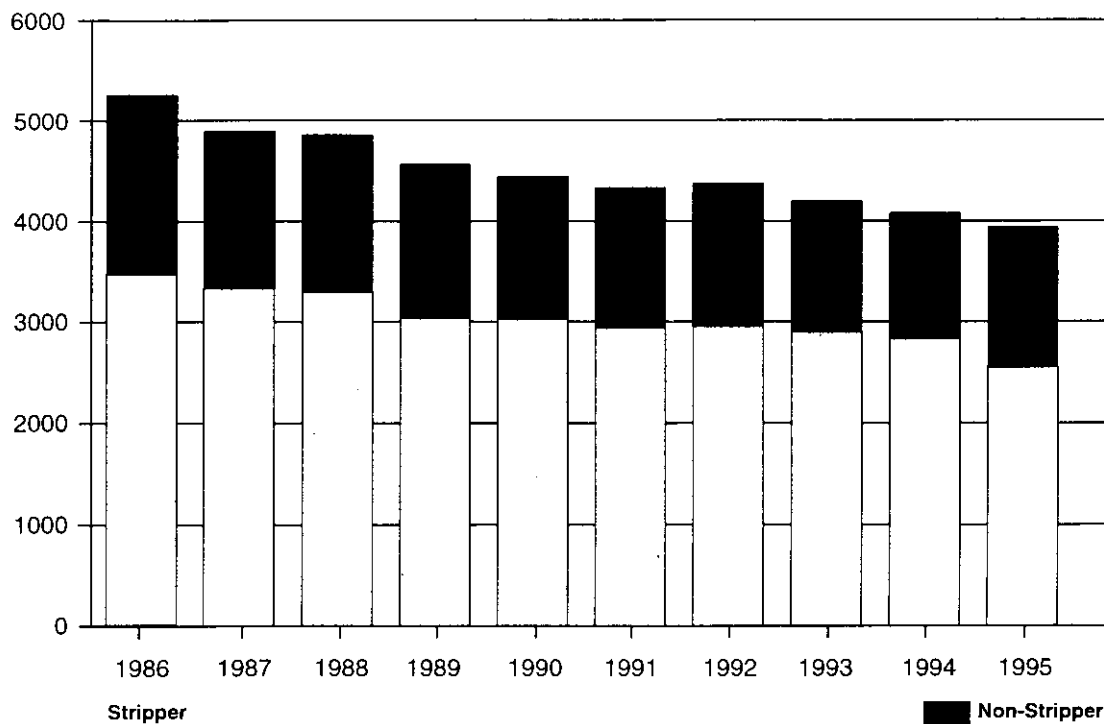


Stripper and Non-Stripper Oil Production



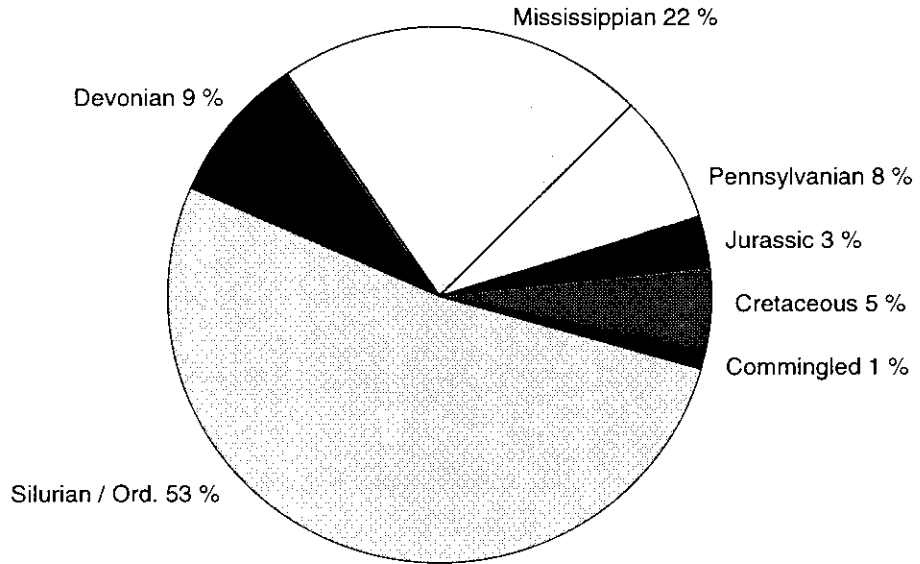
A Stripper Well Produces 10 BOPD or Less

Stripper and Non-Stripper Number of Producing Wells



A Stripper Well Produces 10 BOPD or Less

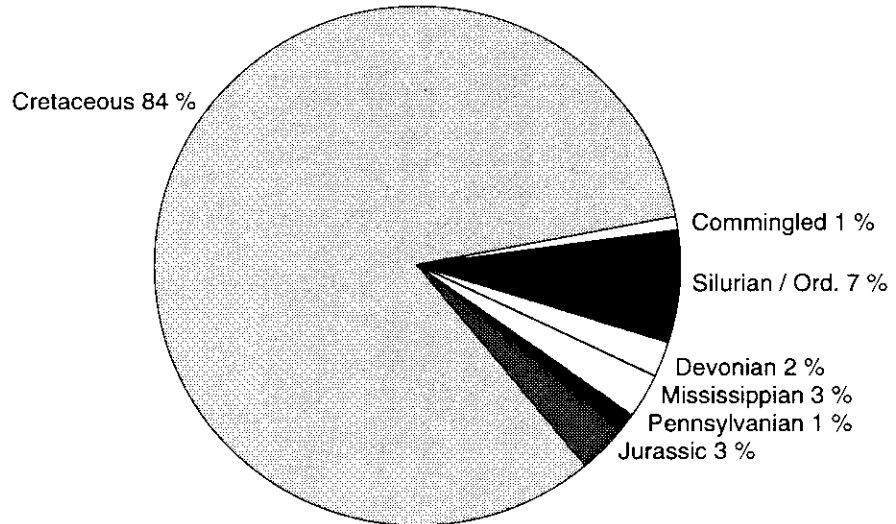
Oil Production By Geologic Period



16,525,864 Bbls Produced

Gas Production By Geologic Period

Natural and Associated Gas



50,727,864 Mcf Produced

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
ALMA				
Bow Island, Blackleaf	0	2	0	640-acre spacing units for gas production from the Sawtooth, Bow Island, and shallower formations; location to be no closer than 990' to spacing unit boundary (Order 19-77).
AMANDA				
Bow Island	0	9	2	320-acre spacing units for gas with one well per horizon from the base of the Swift to the surface; wells to be no closer than 660' to spacing unit boundary; spacing units to consist of two contiguous quarter sections lying within one or two 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).
Bow Island, Dakota	0	2	0	
Dakota	0	1	0	
Sunburst	0	4	0	
Swift, Sunburst	0	10	0	
Swift	0	2	0	
ANVIL				
Ratcliffe	1	0	2	320-acre spacing units for Red River "B" and "C" with one well per zone located no closer than 660' to spacing unit boundary; commingling approved for one well only per spacing unit (Order 75-85).
Nisku	1	0	0	
Winnipegosis	1	0	0	
Red River	6	0	1	
ARCH APEX				
Bow Island	0	40	4	Delineated for Colorado Blackleaf pool; wells to be 330' from legal subdivision, 2,400' from any other well drilling to or producing from the same reservoir; 75' topographic tolerance (Orders 5-56, 4-60). Single Bow Island spacing unit (Order 3-78).
Sunburst	0	1	1	
Swift, Sunburst	0	0	2	
ASH CREEK				
Shannon	2	0	0	Spacing waived within unitized portion of field except no well may be drilled closer than 660' to unit boundary (Order 4-65). Waterflood initiated October 1964 (Orders 22-64, 15-66).
ASHFIELD				
Bowdoin	0	75	0	640-acre spacing units for Bowdoin/Greenhorn/Phillips with two wells per formation (Orders 41-82 and 16-89). Amend to allow 4 wells per formation per 640-acre spacing unit located no closer than 660' to the spacing unit boundary, 1,320' between wells producing from the same formation with 150' geologic or topographic tolerance (Order 17-89). Amend to allow 8 wells per spacing unit in 4 spacing units and reduce between-well distance to 990' with 150' topographic tolerance (Order 8-92).
Bowdoin, Greenhorn	0	8	0	
Bowdoin, Greenhorn, Phillips	0	21	0	
Greenhorn-Phillips	0	56	0	
BADLANDS				
Eagle	0	7	6	One Eagle Formation well per governmental section spacing unit; to be located no closer than 990' to a section line (Order 22-78).
BAINVILLE				
Ratcliffe	1	0	0	Single 320-acre spacing unit for Winnipegosis Formation (Order 117-84). Single spacing unit for Red River and Winnipegosis (Order 18-88).
Winnipegosis	1	0	0	
Red River	2	0	0	
BAINVILLE (RATCLIFFE/MISSION CANYON)				
Ratcliffe	1	0	0	Single spacing unit consisting of S/2 NW/4 and N/2 SW/4 Sec. 13, T28N, R58E for production from the Mission Canyon/Ratcliffe (Order 5-94).
BAINVILLE II				
Mission Canyon	1	0	0	320-acre Red River spacing units; no well closer than 660' to the unit boundaries (Order 36-82). Field reduction (Order 16-85). Single Red River spacing unit designated (Order 69-85).
Red River	3	0	0	
BAINVILLE, NORTH				
Mission Canyon	1	0	0	320-acre spacing units for Winnipegosis and Red River consisting of two governmental quarter sections located in either one or two governmental sections; wells to be located no closer than 660' to unit boundary and no closer than 1,650' to any well producing from the same formation (Order 84-79). Amended to permit a topographic tolerance of 150' from the well location requirements (Order 39-80). Single spacing unit for production from the Nisku Formation (Order 61-92). Single spacing unit for production from the Madison (Order 16-93).
Ratcliffe	2	0	0	
Nisku	2	0	0	
Winnipegosis	2	0	0	
Interlake	2	0	0	
Red River	4	0	0	
BAINVILLE, WEST				
Red River	1	0	0	320-acre spacing units for Madison Group to consist of two governmental quarter sections that may be in either one or two governmental sections; location to be no closer than 660' to the unit boundary or closer than 1,650' to another producing well within the field (Orders 19-78, 42-79). 320-acre Red River spacing units aligned in east-west direction with permitted well to be no closer than 660' to unit boundary (Order 57-80).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
BANNATYNE				
Swift	17	0	0	Delineated for production from the Swift and 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.
Madison	6	0	4	
BATTLE CREEK				
Eagle	0	57	3	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). Field rules amended to include Lower Eagle and Upper Colorado intervals in a portion of the field (Order 76-92).
Niobrara	0	2	0	
BEANBLOSSOM				
Lower Tyler	2	0	0	Three spacing units consisting of individual lots with one well per lot (Order 23-86).
BEARS DEN				
Bow Island	0	1	0	Swift unit delineated and spacing waived in unitized portion of field (Order 5-89). Statewide spacing for non-unitized lands and formations.
Swift	9	2	0	
BELL CREEK				
Muddy	19	0	253	Originally 40-acre spacing units with location 660' from unit boundary with 150' tolerance for topographic reasons only (Orders 37-67, 39-67, 50-67, 1-69, 17-70). Tertiary recovery program (Order 25-80). Dissolution of secondary and enhanced recovery units created under Orders 7-70, 23-70 8-71, 26-71, 35-71, 25-80, 82-84, 111-84, 112-84 and consolidation of said units as the Bell Creek Consolidated (Muddy) Unit approved 12-12-91 (Order 71-91). South Bell Creek (Muddy) Unit approved 6-28-90 (Order 24-90).
BELL CREEK, SOUTHEAST				
Muddy	0	2	0	160-acre spacing units for Muddy gas production, wells 660' from spacing unit boundary (Order 31-72).
BENRUD				
	0	0	0	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).
BENRUD, EAST				
Nisku	1	0	1	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, NORTHEAST				
Nisku	1	0	0	Same as East Benrud Field (Order 6-65). Field enlargement (Order 26-66).
BERTHELOTE				
Sunburst	3	0	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				
Cat Creek 3	0	6	1	Statewide except for single spacing unit for production of gas from the Morrison Formation consisting of Sec. 29, T4N R20E (Order 25-86).
Morrison	0	1	1	
BIG GULLY				
Tyler	2	0	0	Statewide.
BIG GULLY, NORTH				
Tyler	0	0	1	Statewide.
BIG MUDDY CREEK				
Mission Canyon	0	0	1	One well per 320-acre spacing unit for Interlake and Red River with wells no closer than 660' from boundary of the four N/2-S/2 spacing units (Order 4-75).
Red River	1	0	0	
BIG ROCK GAS FIELD				
Colorado	0	5	0	640-acre spacing units for gas production from Blackleaf "A" Formation; location to be no closer than 990' to any governmental section line (Order 31-78). Amended to allow 2 wells per section in 5 sections (Order 64-85).
Blackleaf	0	26	0	
Bow Island	0	6	0	
Madison	2	0	0	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
BIG WALL				
Amsden	4	0	3	Basal Amsden Sand and Amsden Dolomite spaced by old statewide spacing; 330' from lease or property line, 990' between wells in same reservoir (Order 12-54). Waterflood of Tyler "B" sand started August 1966 (Order 22-66). A second Tyler "B" waterflood authorized by Order 96-83.
Tyler	9	0	2	
BILLS COULEE				
Dakota	0	0	1	Field without restrictions except that no well may be drilled closer than 330' to the exterior field boundary (Order 22-80).
Kootenai	0	0	3	
Moulton	0	0	2	
Sunburst	0	0	1	
Madison	0	0	1	
BLACK BUTTE				
Eagle	0	1	1	320-acre spacing units for gas production from the Eagle Sandstone consisting of either the N/2 and S/2 or E/2 and W/2 of the section with well location 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				
Eagle	0	6	6	320-acre Eagle spacing units; well to be located no closer than 990' to unit boundary (Order 6-73). Well location to be no closer than 660' to eastern boundary of Black Coulee Field (Order 37-79). Field enlargement (Order 71-79).
BLACK DIAMOND				
Duperow	1	0	0	320-acre spacing units for Duperow, Red River and Nisku Formations; well location no closer than 660' to unit boundary (Orders 147-81 and 51-86). Field enlarged (Order 15-87). Portion of existing field delineated for production from Ratcliffe Formation (Order 32-89).
Madison, Nisku	2	0	0	
BLACK JACK				
Second White Specks	0	1	0	Delineated for Sunburst and Swift with one gas well per 160 acre spacing unit, with well no closer than 660' to spacing unit boundaries (Order 3-69). Order 3-69 amended to include Blackleaf Formation in spacing and field rules (Order 4-74).
Blackleaf	0	2	0	
Bow Island	0	0	1	
Sunburst	0	11	0	
BLACKFOOT				
Bow Island, Dakota	0	2	0	Delineated for Cut Bank and Madison with one well per 40-acre spacing unit; 300' tolerance from center of spacing unit; dual completion in Cut Bank and Madison with administrative approval (Order 3-57). Waterflood started November 1976 (Order 34-76). Blackfoot Shallow Gas: 640-acre spacing units; one well per section per producing horizon above the Kootenai with location to be no closer than 990' to unit boundaries (Order 121-80).
Dakota	0	6	1	
Sunburst, Dakota	0	2	0	
Cut Bank, Madison	16	0	4	
Nisku	0	0	1	
BLACKLEAF CANYON				
Sun River Dolomite	0	0	4	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				
Dawson Bay	1	0	0	320-acre spacing units for Interlake and Red River Formations consisting of two contiguous governmental quarter sections which need not be in the same section; wells located no closer than 660' to spacing unit boundaries (Order 38-83). Dawson Bay Formation added and commingling of Dawson Bay, Interlake, and Red River formations authorized (Order 16-84). Enlarged (Orders 32-84 and 26-89).
Interlake	1	0	0	
Red River	1	0	0	
BLUE MOUNTAIN				
Red River	0	0	1	Statewide.
BORDER				
Cut Bank	12	0	5	Oil: Unitized into New and Old Border fields; Unitized 6-1-73 (Orders 8-73, 9-73). Gas: Location no closer than 330' to boundary of legal subdivision; 2,400' between wells in same formation on same lease; 75' topographic tolerance (Order 7-54). Waterflood approved (Orders 8-73, 9-73, 26-73).
Moulton	0	1	0	
Sunburst	0	1	0	
BOWDOIN & AREA				
Bowdoin	0	20	1	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).
Bowdoin, Greenhorn	0	6	0	
Bowdoin, Greenhorn, Phillips	0	21	3	
Greenhorn	0	329	20	
Phillips	0	35	1	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
BOWES				
Eagle	0	48	7	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 for Sawtooth Formation wells (Order 74-83).
Sawtooth	46	0	37	
BOX CANYON				
Red River	0	0	2	Statewide.
BRADLEY				
Bow Island	0	1	0	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).
Sunburst	1	1	0	
Madison	1	0	1	
BRADY				
Burwash	1	0	2	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; operators may commingle production from Burwash and Sunburst formations in Section 16 (Order 86-81).
Sunburst	8	0	4	
Morrison	0	0	11	
BREED CREEK				
Tyler	11	0	3	Breed Creek Waterflood Unit approved; spacing waived within unitized area; wells to be located no closer than 330' to unit boundaries (Order 12-92). Certified as expanded enhanced recovery unit effective 9/1/94 (Order 90-94).
BROADVIEW				
Frontier	0	1	0	Single 640-acre Frontier spacing unit comprised of Sec. 35, T5N, R22E (Order 8-86).
BRORSON				
Madison	5	0	0	One well per 160-acre spacing unit, wells no closer than 660' from spacing unit boundary for Mission Canyon and Red River Formations (Order 5-69). Field enlargement (Order 25-82).
Mission Canyon	4	0	0	
Ratcliffe	1	0	0	
Interlake	2	0	0	
Red River	5	0	0	
BRORSON, SOUTH				
Madison	2	0	0	Delineated for Red River production with one well per 160-acre spacing unit, no closer than 660' from spacing unit boundary (Order 26-68). Gas to Brorson Field Plant. Reduced Field Area (Order 26-77).
Mission Canyon	3	0	0	
Bakken	2	0	0	
Red River	1	0	0	
BROWN'S COULEE				
Eagle	0	0	1	Delineated for Judith River and Eagle gas production; one well per 160-acre spacing unit located no closer than 660' to spacing unit boundary; commingling allowed upon administrative approval (Order 7-74).
BROWN'S COULEE, EAST				
Eagle	0	1	2	Statewide.
Judith River	0	0	1	
BRUSH LAKE				
Red River	3	0	0	320-acre Red River spacing units with initial nine spacing units described in Order 15-71.
BULLWACKER				
Eagle	0	41	0	Delineated for Judith River and Virgelle/Eagle gas production with one well per 320-acre spacing unit with well location no closer than 660' to internal spacing unit boundaries and 990' to exterior field boundary (Order 26-74). Field enlarged (Order 63-85).
Judith River	0	2	0	
Virgelle	0	1	0	
BURGET, EAST				
Madison	1	0	0	Statewide.
Mission Canyon	1	0	0	
Ratcliffe	1	0	0	
BURNS CREEK				
Red River	0	0	1	Statewide.
BURNS CREEK, SOUTH				
Red River	0	0	1	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
CABARET COULEE Madison	1	0	3	Statewide.
CABIN CREEK Madison	6	0	14	Spacing waived and General Rules suspended until present Unit Agreement becomes inoperative (Order 36-62). Field boundaries amended and some spacing units designated (Order 118-84). Waterflood of Siluro-Ordovician (Orders 5-59, 15-60, and 30-63). Certified as an expanded enhanced recovery project effective 9/1/94 (75-94).
Siluro-Ordovician	96	1	4	
Red River	8	1	0	
CAMP CREEK Eagle	0	1	0	Statewide.
CANADIAN COULEE & AREA Firemoon	0	0	1	320-acre spacing units for Jurassic Sawtooth/Piper with well location no closer than 660' to interior spacing unit boundary, and 990' to field boundaries (Order 18-76).
Sawtooth	0	1	0	
CANADIAN COULEE, NORTH Sawtooth	0	1	0	640-acre spacing units for Jurassic Sawtooth. Wells to be no closer than 1,650' to section line (Order 15-74).
CANAL Madison	1	0	0	320-acre Red River spacing units consisting of E 1/2 and W 1/2 of governmental section (Order 34-70). 160-acre Madison spacing units; wells located no closer than 660' to unit boundary with 150' topographic tolerance (Order 58-85).
Mission Canyon	1	0	0	
Red River	1	0	0	
CARLYLE Red River	1	0	0	320-acre Red River spacing units to consist of either the N/2 and S/2 or E/2 and W/2 of section or lots corresponding thereto; well location to be no closer than 660' to unit boundary nor closer than 1,650' to any well drilling 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 with Red River (Order 29-87).
CAT CREEK, EAST DOME Ellis	5	0	0	220' from lease or property line, 440' from every other well in same formation (Order 17-55). Three separate producing areas, East, Mosby, and West Domes. Field enlargement; upper and lower Brindley wells in Sec. 1, 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 by Orders 17-56, 18-59, 13-62, 8-68, 38-70, 11-71 utilizing water from Third Cat Creek Sandstone. Waterflood modified (Order 29-74).
CAT CREEK, MOSBY DOME Cat Creek 2	1	0	1	See Cat Creek, East Dome regulation summary.
Ellis	3	0	4	
Rierdon	0	0	1	
Amsden	2	0	0	
CAT CREEK, WEST DOME Cat Creek 1 & 2	52	0	68	See Cat Creek, East Dome regulation summary.
Cat Creek 2	0	0	3	
Mowry	0	0	2	
Ellis	1	0	0	
Morrison	3	0	0	
CATTAILS Ratcliffe	7	0	0	160-acre spacing units for Ratcliffe zone; wells no closer than 660' to unit boundaries (Order 31-88).
CATTAILS, SOUTH Madison	2	0	0	160-acre spacing units for Ratcliffe zone; wells no closer than 660' to spacing unit boundaries. Horizontal wells may cross spacing unit boundaries (Order 70-91).
Ratcliffe	2	0	0	
CEDAR CREEK Eagle	0	93	12	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 section with 200' topographic tolerance (Order 1-61). Delineation amendments (Order 23-76 and 32-86). Order 33-54 (original delineation) vacated, and a portion of the lands included in Order 1-61 removed by Order 32-86. Spacing in Baker North Eagle Unit waived; 660' setback from unit boundaries required (Order 93-94).
Judith River, Eagle	0	2	0	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
CHAIN LAKES Eagle	0	0	2	Statewide.
CHARLIE CREEK Dawson Bay	1	0	0	Delineated for Red River, Duperow, and Nisku with 320-acre spacing units, oriented either east-west or north-south at option of 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 acre spacing unit for Dawson Bay oil production (Order 3-95).
CHARLIE CREEK, EAST Red River	3	0	0	Two 160-acre spacing units for Duperow Formation (Order 47-87). Two 320-acre spacing units for Red River Formation (Order 38-88).
CHARLIE CREEK, NORTH	0	0	0	Single Red River spacing unit (Order 37-82).
CHELSEA CREEK Nisku	1	0	0	Statewide.
CHINOOK, EAST Eagle	0	0	1	Statewide.
Sawtooth	0	0	2	
CHIP CREEK Eagle	0	0	3	160-acre spacing units for Virgelle/Eagle and shallower formations; location no closer than 660' to spacing unit boundary (Order 89-76).
CLARK'S FORK Greybull	0	1	0	330' from quarter-quarter section line; 1,320' between wells with 75' topographic tolerance (Order 17-54).
CLARK'S FORK, SOUTH	0	0	0	160-acre spacing for Frontier and deeper horizons; location no closer than 330' from quarter section line or 1,320' from any other well (Order 21-69).
CLEAR LAKE Mission Canyon	3	0	0	Statewide plus single spacing unit for Madison and Nisku consisting of E/2 NW/4 and W/2 NE/4 Sec. 8, T33N, R58E (Order 21-94).
Ratcliffe	3	0	0	
Nisku	3	0	0	
Red River	5	0	0	
CLEAR LAKE, SOUTH Red River	1	0	0	Statewide.
COAL COULEE Eagle	0	1	2	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 to Order 25-78 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 MINE COULEE Eagle	0	4	0	Delineated for Judith River and Eagle Formations with 4 wells per 640-acre spacing unit per formation with permitted well no 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).
Second White Specks	0	1	0	
COALRIDGE Ratcliffe	1	0	0	Statewide.
COLORED CANYON Nisku	0	0	1	Single Red River spacing unit (Order 28-84). Single 160-acre Nisku spacing unit (Order 86-85).
Red River	1	0	0	
COMERTOWN Mission Canyon, Bakken	2	0	0	320-acre Red River spacing units; permitted well to be no closer than 660' to spacing unit boundary (Order 35-80). Field enlargement (Orders 9-81 and 150-81).
Ratcliffe	2	0	1	
Nisku	1	0	1	
Nisku, Duperow	2	0	0	
Red River	4	0	1	
COMERTOWN AREA, SOUTH Red River	1	0	0	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
COMERTOWN, SOUTH Red River	1	0	0	320-acre designated spacing units, wells located no closer than 660' to unit boundary (Order 96-84). Enlarged (Order 20-85).
CONRAD, SOUTH Dakota	0	0	4	Delineated for Dakota production with 10-acre spacing units. Wells in center of each unit with 75' topographic tolerance (Orders 34-62, 31-63).
Sunburst	0	0	5	
COTTONWOOD Ratcliffe	2	0	0	Single 320-acre Red River spacing unit (Order 85-84). Amended to include Ratcliffe (Order 54-92).
COTTONWOOD, EAST Ratcliffe	1	0	0	Statewide.
COW CREEK Charles	0	0	1	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 Kibbey	4	0	6	40-acre spacing units for Charles and Kibbey formations consisting of quarter-quarter section with permitted well to be at center with 150' topographic tolerance (Order 35-74).
CRANE Devonian	2	0	0	320-acre spacing units for Red River and Duperow Formations consisting of one half of a governmental section; well location to be no closer than 660' to spacing unit boundary and no closer than 1,650' to any well drilling to or producing from the same pool (Order 40-79).
Duperow	1	0	0	
Red River	1	0	0	
Red River, Interlake	2	0	0	
CROCKER SPRINGS, EAST Madison	0	0	1	Statewide (Order 68-82 which established 80-acre spacing units was vacated by Order 37-87).
CUPTON Red River	5	0	0	160-acre quarter section spacing units for Red River Formation. Location no closer than 660' to spacing unit boundary (Order 4-72).
CUPTON AREA Red River	1	0	0	Statewide plus single Red River spacing unit (Order 14-85).
CUT BANK Blackleaf	0	2	2	Oil: 330' from legal subdivision line, 650' between wells in same formation 5-spot on 40-acre tract permitted; 75' topographic tolerance (Order 10-54). Gas: 330' from legal subdivision, 2,400' between wells in same formation; 75' 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 spacing units with wells to be located no closer than 330' to legal subdivision line nor less than 2,400' from any well drilling or producing from same reservoir (Orders 82-76, 6-77). Field extension (Order 3-79). Rules amended to include all formations from surface to base of Madison Formation (Order 45-80). Field enlarged (Orders 68-83, 13-85). Designated spacing unit for Sunburst and Cut Bank Formation gas (Order 73-92). Additional wells in selected spacing units in Special Spacing area (Orders 14-93, 51-93, 2-94). SCCBSU enhanced recovery approved (Order 88-85). Cut Bank-Airport Unit approved (Order 26-92).
Bow Island	0	24	0	
Cut Bank	408	206	254	
Dakota	0	1	0	
Kootenai	0	2	1	
Lander	1	2	4	
Moulton	26	4	37	
Moulton, Sunburst	2	0	0	
Sunburst	7	8	5	
Cut Bank, Madison	4	0	0	
Madison	40	0	24	
DAGMAR Red River	2	0	0	Statewide.
DEAN DOME Greybull	0	0	6	Statewide.
DEER CREEK Charles	3	0	0	80-acre spacing units for Interlake and Red River consisting of any two adjacent quarter-quarter sections. Well location in NE 1/4 and SW 1/4 of each quarter section with 75' topographic tolerance (Orders 23-55 and 14-59). Well location amendment. (Order 10-86) Commingling of production in the Interlake, Stony Mountain, Red River, and Charles pay zones with administrative approval (Order 18-63).
DELPHIA Amsden	2	0	1	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
DEN Ratcliffe	2	0	0	Delineated with single spacing unit for production of oil from Charles and Mission Canyon Formations with two existing wells as the designated wells (Order 34-95).
DEVIL'S BASIN Tyler	1	0	0	10-acre spacing units for Heath Formation; well location to be in the center of each spacing unit with a 75' tolerance for topographic or geologic reasons (Order 114-80). Certain lands removed from field (Order 103-94).
Heath	5	0	4	
DEVIL'S POCKET Heath	1	0	0	40-acre spacing units for Heath Formation; wells no closer than 165' to spacing unit boundary (Order 34-85).
DEVON Bow Island	0	23	8	160-acre spacing units for production of gas from all formations from surface to top of Kootenai Formation; wells located no closer than 330' to any quarter section line and 660' to exterior boundaries of field, existing wells excluded (Order 32-83). Field enlarged and 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).
DEVON, EAST Bow Island	0	2	2	320-acre spacing units for Bow Island gas production consisting of any two contiguous quarter sections; wells located no closer than 660' to spacing unit boundaries (Order 42-86). Field enlarged (Order 26-87).
DEVON, SOUTH UNIT Bow Island	0	1	0	South Devon Unit drilled on statewide spacing and unitized for primary production (Order 28-71, corrected). South Devon Field 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).
DIAMOND POINT Interlake	1	0	0	320-acre spacing unit allowing two wells to produce from the Red River or from commercial production at any depth shallower (Order 20-80).
Red River	1	0	1	
DIVIDE Madison	4	0	0	Ratcliffe and Mission Canyon 160-acre spacing units, no closer than 660' to spacing unit boundaries and 1600' between wells; 150' topographic tolerance excluding boundary setback (Order 7-81).
Ratcliffe	4	0	0	
Red River	1	0	0	
DIVIDE AREA Red River	3	0	0	Statewide.
DOOLEY Ratcliffe	3	0	0	Statewide.
DRY CREEK Eagle	0	1	0	Field delineated for Frontier gas production with E 1/2 or W 1/2 of sections as spacing units (Order 8-70). West Dome gas storage project approved (Order 31-66). Enlarged (Order 69-92). Order 8-70 modified to allow N 1/2 or S 1/2 of section as spacing units (Order 31-76).
Frontier	0	14	1	
Judith River	0	4	0	
Virgelle	0	3	0	
Greybull	0	2	0	
DRY CREEK (SHALLOW GAS) Eagle, Virgelle	0	2	0	160-acre spacing units with 1 well per productive horizon above Cody Shale per spacing unit; location no closer than 660' to spacing unit boundaries (Order 54-76). Additional wells (Order 13-90).
DRY CREEK, MIDDLE Frontier	0	2	1	320-acre spacing units for Frontier gas production consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option; permitted well no closer than 660' to spacing boundary (Order 25-75).
DRY CREEK, WEST Greybull	0	1	0	Originally 160-acre spacing units for Greybull Sandstone; well location anywhere in spacing unit but no closer than 660' to unit boundary (Order 43-78); amended to include Frontier Formation (Order 65-82). Field enlargement (Order 86-82).
DRY FORK Bow Island	0	6	3	One well per section per horizon above top of Kootenai; wells no closer than 990' to spacing unit boundaries (Order 32-82).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
DUNKIRK Dakota	0	11	5	Only one well per section may produce from each producing zone, formation, or horizon above Kootenai Formation, but no closer than 990' to section lines (Order 58-81). Field enlargements (Orders 104-81 and 66-82).
DUNKIRK, NORTH Bow Island	0	28	7	One well per governmental section per Bow Island zone or horizon. Each producing well to be located anywhere within section but no closer than 990' to section line (Order 25-77). Field amended to allow 4 wells per section located no closer than 1,320' to another well producing from the same horizon (Order 7-89). Field enlargements (Orders 64-78, 157-81 and 6-89). Field reductions (Order 61-91, 6-95). Field amended to include Sunburst and Swift formations in 3 sections, 4 wells per formation per section with each Sunburst and Swift well located no closer than 660' to spacing unit boundaries and 1320' to any other well producing from same formation with a 75' topographic or geologic tolerance (Order 72-91).
Sunburst	0	1	0	
Swift	0	1	0	
DUTCH HENRY McGowan	2	0	0	Statewide plus two designated 160-acre spacing units (Orders 95-94 and 96-94).
Ratcliffe	2	0	0	
DUTCH JOHN COULEE Sunburst	2	2	4	Sunburst sand unitization and gas repressuring project approved; operator may drill additional wells anywhere in unit but no closer than 330' to unit boundaries (Order 27-88).
DWYER Charles	4	0	6	160-acre Madison spacing units; well location in center of SE 1/4 of spacing units with 175' topographic tolerance (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 unit (Order 10-91).
Ratcliffe	2	0	1	
Nisku	0	0	1	
Winnipegosis	0	0	1	
Red River	3	0	0	
Red River, Nisku	2	0	0	
EAGLE Madison	4	0	0	Statewide.
Mission Canyon	3	0	0	
Ratcliffe	3	0	0	
Duperow	1	0	0	
Red River	1	0	0	
EAGLE SPRING Bow Island	0	5	2	One well per governmental section per zone, located no closer than 990' to section line for all gas zones above the top of the Rierdon Formation; commingling of Swift and Sunburst permissible (Orders 4-78, 19-79). Enlargement (Order 20-93).
Bow Island, Sunburst	0	0	2	
Sunburst	0	0	1	
EAST GLACIER Greenhorn	1	0	0	160-acre spacing units for Greenhorn (Order 41-81). Amended to enlarge field and designate 80-acre spacing units; permitted well to be located no closer than 330' to the exterior boundaries (Order 112-81).
ELK BASIN Frontier	12	1	12	Spacing waived within unit areas (Order 10-61). Frontier: Water injection (Order 1-72). Embar-Tensleep pressure maintenance by crestal gas injection. Waterflood approved in 1966 (Order 5-66). Madison: Water injection (Order 17-61).
Embar, Tensleep	42	0	22	
Madison	15	0	3	
Big Horn	0	0	1	
ELK BASIN, NORTHWEST Frontier	0	2	7	Spacing waived within unitized portion except that bottom of hole be no closer than 330' from unit boundary and there be at least 1,320' surface distance between wells in same formation; 75' topographic tolerance (Orders 43-63, 28-64). Frontier waterflood in progress. Embar-Tensleep waterflood (Order 3-67, 6-74).
Cloverly	1	0	0	
Embar, Tensleep	0	0	8	
Madison	5	0	3	
ENID, NORTH Dawson Bay	0	0	1	Spaced for one-well Red River field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, R54E (Order 45-79).
Red River	2	0	1	
ETHRIDGE Swift	0	8	0	320-acre spacing units for Swift Formation; well locations no closer than 660' to unit boundaries (Order 4-90). Field enlarged (Order 4-92).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
ETHRIDGE, NORTH				
Bow Island	0	3	0	320-acre spacing units for horizons above Rierdon; well location to be no closer than 660' to unit boundaries; Section 2, T33N, R4W to remain a 640-acre spacing unit (Order 98-81). Designation of a 640-acre spacing unit for Third Bow Island Sand gas production (Order 66-93).
Swift	0	1	0	
FAIRVIEW				
Madison	1	0	0	160-acre spacing units; well location anywhere in spacing unit but no closer than 660' to unit boundary (Orders 48-65, 1-67, 43-67, 44-67, 38-84). Field area reduced (Order 119-84). Field enlarged (Order 16-87). Northwest part of field unitized for gas injection utilizing gas from Fairview and Brorson fields (Order 11-70).
Mission Canyon	2	0	0	
Ratcliffe	3	0	0	
Bakken	0	0	1	
Red River	12	0	1	
FAIRVIEW, EAST				
Ratcliffe	1	0	0	320-acre designated Red River spacing units (Order 76-81).
Winnipegosis	1	0	0	
Red River	0	0	1	
FAIRVIEW, WEST				
Madison	2	0	0	Statewide.
Mission Canyon	1	0	0	
Ratcliffe	1	0	0	
FERTILE PRAIRIE				
	0	0	0	80-acre north-south spacing units; well 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				
Greybull	0	0	2	Statewide.
FISHHOOK				
Madison	1	0	0	Statewide.
Red River	2	0	0	
FITZPATRICK LAKE				
Bow Island	0	9	2	One well per governmental section located no closer than 990' to section line for all gas zones above the top of the Kootenai (Order 31-79). Field enlarged (Orders 113-84 and 2-92). Authorization to complete two Swift Formation gas wells in Sec. 10, T36N, R4W (Order 50-93). Sec. 14 & 15, T36N, R4W delineated for formations above Swift and below Bow Island; 320-acre spacing units consisting of two regular quarter sections in one or two sections; 660' setback from spacing unit boundaries (Order 1-94).
Swift	1	0	0	
FLAT COULEE				
Bow Island	0	3	0	Bow Island Gas: wells to be 330' from boundary of legal subdivision and 1,320' from other wells in same reservoir (Orders 36-54, 16-55). Sawtooth/Swift oil: 40-acre spacing units; well in center of spacing unit with 150' topographic tolerance (Orders 16-62, 19-63). Waterflood unit and redelineation approved for Swift sandstone (Orders 13-71, 17-A-71, 22-71).
Dakota	0	2	1	
Swift	18	1	2	
FLAT LAKE				
Madison	1	0	0	160-acre Madison spacing units; well location in center of NE 1/4 of quarter section with 200' topographic tolerance; wells no closer than 961' to North Dakota state line and no closer than 1,600' to Canadian line (Orders 10-65, amended; 43-65, 23-66, 33-66). Unit operation for eastern part of field (Order 7-71). Unit operation for western part of field (Order 32-74).
Ratcliffe	27	0	37	
Nisku	1	0	0	
FLAT LAKE, EAST				
Madison	1	0	0	Single 160-acre Madison spacing unit (Order 103-84).
FLAT LAKE, SOUTH				
Ratcliffe	3	0	1	160-acre spacing units for Ratcliffe (Order 2-67); modified to provide that wells may be located anywhere within the spacing unit but no closer than 660' to any unit boundary (Order 49-80).
FLAXVILLE				
	0	0	0	160-acre Madison spacing units; permitted well to be no closer than 660' to the exterior boundaries of the unit (Order 105-82). Order 105-82 amended to provide 150' tolerance for topographic reasons (Order 124-82).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
FORT CONRAD Bow Island	0	16	0	640-acre spacing units for Bow Island gas production; well location to be no closer than 990' to the section line (Order 19-81). Field enlargement (Order 118-82).
FORT GILBERT Madison	4	0	0	160-acre Ratcliffe/Mission Canyon spacing units; well location no closer than 660' to unit boundary with 150' topographic tolerance (Order 94-81). Excess produced associated gas reinjected into Duperow Formation (Order 78-81).
Mission Canyon	1	0	0	
Red River	2	0	0	
FOUR MILE CREEK Red River	1	0	0	320-acre spacing units for Red River (Order 43-75). Field reduction (Order 10-83).
FOUR MILE CREEK, WEST Red River	1	0	0	Statewide.
FOX CREEK, NORTH Bakken	1	0	0	160-acre spacing units for Madison Formation; wells located no closer than 660' to the unit boundary with 150' topographic tolerance (Order 13-84).
FRANNIE	0	0	0	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).
FRED & GEORGE CREEK Bow Island	0	3	1	Sunburst Oil: 40-acre spacing units; well location in center of unit with 250' topographic tolerance (Orders 29-63, 1-65, amended by Order 27-65). Sunburst Gas: same as Arch Apex (Order 4-60). Statewide for other formations. Several Sunburst A and B Sand waterflood units in field and area (Orders 13-70, 27-71, 40-80, 43-93, 44-93, 60-93, 64-93).
Sunburst	19	0	35	
Swift, Sunburst	0	0	2	
Swift	1	1	1	
FRESNO & AREA Eagle	0	3	4	640-acre spacing units for Eagle (Virgelle) and shallower horizons; wells located no closer than 990' to unit boundary; one well may be drilled within each spacing unit for each producing horizon within the spacing unit (Order 14-76). Field enlargement and modification of field rules within certain areas (Order 52-80).
FROG COULEE Red River	1	0	0	320-acre Red River spacing units; wells to be located no closer than 660' to the unit boundary (Order 55-79).
FROID, SOUTH Red River	1	0	0	Statewide.
GAGE Cat Creek 1	0	0	1	40-acre Amsden spacing units; well location to be in center of each unit with a permitted tolerance of 150' for topographical or geological reasons (Order 120-80). Field enlargement (Order 44-81).
Amsden	2	0	0	
GALATA Bow Island	0	8	1	Two wells from same Bow Island horizon per section no closer than 1,320' to each other and 990' to section lines (Order 28-85). Field enlarged (Orders 21-84, 41-85 and 76-85).
GAS CITY Madison	2	0	0	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 quarter section; 150' topographic tolerance; spacing waived and statewide rules for Deviation, Commingling, and Dual Completion are waived in unitized portion of field (Order 29-62). Waterflood using produced water and Madison water (Order 16-69).
Madison, Ordovician	2	0	0	
Siluro-Ordovician	7	0	3	
Red River	2	0	1	
GILFORD, NORTH Sawtooth	0	0	1	320-acre spacing units for Sawtooth production with no well closer than 660' to spacing unit boundary (Orders 9-58, 38-76, 9-79).
GIRARD Bakken	1	0	0	Statewide.
Red River	1	0	0	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
GLENDIVE				
Siluro-Ordovician	6	0	1	80-acre spacing units consisting of any two adjacent quarter-quarter sections; wells located in center of NE 1/4 and 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 Formation wells in specific spacing units (Orders 21-93, 22-93).
Red River	6	0	2	
Stony Mountain	2	0	0	
GOLD BUTTE				
Bow Island	0	1	0	640-acre spacing for Bow Island and Swift, well location any quarter-quarter section cornering on center of section (Order 26-59). Amended field boundary (Order 43-77).
GOLDEN DOME				
Eagle	0	1	0	Originally 160-acre spacing for Judith River, Claggett, and Eagle (Virgelle); wells to be 660' from spacing unit boundary (Order 15-72). Single spacing unit for Greybull Formation (Order 17-82). Field enlargement and inclusion of Frontier and Greybull formations (Order 135-82).
Frontier	0	7	0	
Greybull	0	1	1	
GOOSE LAKE				
Ratcliffe	18	0	12	160-acre spacing units for Ratcliffe Formation (Order 42-63). Field enlarged (Orders 40-66, 47-67, 16-68). Refer to said orders for authorized well locations. Field size reduced (Order 29-77). Single spacing unit for Red River (Order 1-82). North Goose Lake Unit waterflood (Order 17-72). Unit production curtailment (Order 45-77).
Red River	1	0	1	
GOOSE LAKE, WEST				
Red River	1	0	0	Statewide.
GOSSETT				
Ratcliffe	1	0	0	Statewide.
Red River	1	0	0	
GRABEN COULEE				
Cut Bank	60	0	26	Sunburst - 40-acre spacing units; well location no closer than 330' to legal subdivision boundary. Cut Bank and Madison - Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and on same lease; 75' topographic tolerance; 5-spot location on 40-acre tract allowed (Order 73-62). Waterflood of Cut Bank sands (Order 61-83).
Sunburst	8	0	6	
GRANDVIEW				
Bow Island	0	4	3	320-acre spacing units for all gas producing horizons, aligned in a north-south direction; well location no closer than 660' to a spacing unit boundary (Order 49-67).
Sawtooth	0	0	2	
GRANDVIEW, EAST				
Swift	2	0	3	Statewide.
GRAY BLANKET				
Tensleep	1	0	0	40-acre spacing units for Tensleep Formation. Wells located no closer than 330' to spacing unit boundary with 150' tolerance upon administrative approval (Order 20-92).
GREBE TYLER SAND UNIT				
Tyler	3	0	0	Tyler secondary recovery unit approved (Order 5-75).
GREEN COULEE				
	0	0	0	160-acre spacing units for Ratcliffe Formation; well location to be no closer than 660' to unit boundaries with 150' tolerance allowed for topographic or geologic reasons. 320-acre spacing units for the Red River Formation with well 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				
Red River	1	0	0	Delineated for production from Red River Formation with single 320-acre spacing unit (Order 99-82). Redelineation (Order 6-95).
GUMBO RIDGE				
Tyler	2	0	2	Tyler Formation waterflood unit (Order 54-79). Certified as an expanded enhanced recovery unit effective 1/1/95 (Order 1/95).
GUNSIGHT				
Madison	1	0	0	Statewide.
Mission Canyon	1	0	0	
Ratcliffe	1	0	0	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
GYPSY BASIN				
Moulton	0	0	1	Sunburst-Swift - 330' from lease lines and 660' between wells in same formation; only two wells per quarter-quarter section (Order 7-66). Sawtooth-Madison oil and gas - 40-acre spacing units; wells no closer than 330' from lease line (Orders 7-66, 12-79).
Sunburst	0	0	10	
Morrison	0	0	1	
Swift	0	0	2	
Sawtooth	0	0	4	
Madison	4	0	22	
Devonian	0	0	1	
Nisku	0	0	1	
HAMMOND				
Muddy	0	0	9	320-acre spacing units for Muddy Formation; each unit shall consist of a regular half of a governmental section with 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				
Bow Island	0	8	1	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).
Swift	0	0	1	
HARDSCRABBLE CREEK				
Red River	1	0	0	Statewide.
HAVRE				
Eagle	0	1	1	Single spacing unit for production of gas from Eagle (Order 48-82).
HAWK CREEK				
Amsden	1	0	0	Statewide.
HAWK HAVEN				
Mission Canyon	1	0	0	Single 320-acre Madison spacing unit (Order 101-94).
HAY CREEK				
Mission Canyon	2	0	0	320-acre spacing for Red River, consisting of any two adjacent quarter sections, direction to be determined by operator; location no closer than 660' to unit boundary (Orders 15-69, 27-73).
Interlake	0	0	1	
Red River	2	0	0	
HAYSTACK BUTTE				
Bow Island	0	4	4	640-acre spacing units; one well per producing horizon above Kootenai Formation; location no closer than 990' to spacing unit boundary (Order 85-76). Amended field boundary (Order 37-77).
HAYSTACK BUTTE, WEST				
Bow Island	0	7	0	320-acre regular half-section spacing units for all formations above Rierdon; wells located no closer than 660' to the unit boundaries; commingling of production authorized as specified (Order 6-88). Field enlarged (Order 46-91).
HELL COULEE				
Madison	2	0	0	Statewide.
HIAWATHA				
Tyler	1	0	1	Statewide.
Tyler, Stensvad	2	0	0	
HIBBARD				
Amsden	0	0	2	Statewide.
HIGH FIVE				
Stensvad	5	0	4	Spacing waived, unitized, and polymer-waterflood authorized (Order 110-80).
Tyler	5	0	0	
HIGHLINE				
Eagle	0	0	1	Single 640-acre spacing unit for Eagle and shallower horizons (Order 35-88).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
HIGHVIEW				
Swift	0	0	1	160-acre spacing units, located no closer than 660' from spacing unit boundary; 150' topographic tolerance (Order 84-76). Orders 32-76, 84-76 and 63-82 are amended to provide as follows: 1. Permitted wells to the Moulton, Sunburst, Morrison, and Swift formations shall be no closer than 330' from the lease line nor closer than 660' to a 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).
Sawtooth	1	0	0	
Madison	7	0	12	
Devonian	1	0	0	
HONKER	0	0	0	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				
Swift	1	0	0	Statewide.
HOWARD COULEE				
Tyler	1	0	0	Statewide.
INJUN CREEK				
Stensvad	2	0	0	Statewide.
INTAKE II				
Madison, Ordovician	0	0	2	320-acre spacing units for Red River Formation; permitted well to be located no closer than 660' from the unit boundary (Order 99-81).
Mission Canyon	2	0	0	
IVANHOE				
Cat Creek 2	1	0	0	40-acre spacing unit for production from any one common formation; well location in center of unit with 200' topographic tolerance (Order 7-60 and 13-56). Field size reduced (Orders 27-89 and 29-89).
Morrison	1	0	0	
Amsden	2	0	1	
Amsden, Tyler	0	0	2	
Tyler	4	0	1	
JIM COULEE				
Tyler	5	0	6	Unitized, no well to be drilled closer than 330' to unit boundary (Order 18-72).
KATY LAKE				
Red River	1	0	0	Statewide.
KATY LAKE, NORTH				
Madison	3	0	0	Statewide except for single 320-acre Red River spacing unit (Order 88-84), and single 160-acre Mission Canyon spacing unit (Order 89-84).
Mission Canyon	2	0	0	
Red River	5	0	0	
KEG COULEE				
Lower Tyler	3	0	4	40-acre spacing in southwest portion of field; spacing is waived in unitized portion (Orders 3-64, 4-64, 23-64). 80-acre spacing in remainder of field with variable pattern (Orders 11-60, 28-62). 40-acre spacing: W 1/2 E 1/2 and 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 2-76). Orders 11-60, 4-64, and 2-76 amended by 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).
Stensvad	1	0	0	
Tyler	5	0	3	
KEG COULEE, NORTH				
Tyler	0	0	1	40-acre spacing units with wells to be located at center of each spacing unit; 150' topographic tolerance (Order 46-64). Field reduction (Order 59-76).
KEITH AREA				
Second White Specks	0	2	1	Statewide.
Bow Island	0	1	0	
Sawtooth	0	1	0	
KEITH, EAST				
Niobrara	0	1	0	Statewide, except unitized portions spaced by Order 22-62. Amended to allow additional wells in Johns and Osler units (Order 52-95).
Second White Specks	0	11	0	
Bow Island	0	11	0	
Sawtooth	0	5	0	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
KELLEY				
Tyler	1	0	3	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 effective 4/1/95 (Order 19-95).
KEVIN SUNBURST				
Blackleaf	0	1	0	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 no closer than 330' from the boundaries of any legal subdivision line, nor less than 2,400' from every other drilling 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-acre spacing units for production of gas from all formations from surface to base of Sunburst Sandstone (Order 40-92). There are three waterfloods in operation using Madison water (Orders 9-64, 17-64, 30-64, 36-65). H2S, CO2 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).
Bow Island	0	32	3	
Bow Island, Dakota	0	4	2	
Bow Island, Dakota, Kootenai, Sunburst	0	12	0	
Bow Island, Dakota, Sunburst	0	6	0	
Bow Island, Sunburst	0	20	0	
Bow Island, Swift	0	4	2	
Burwash	9	1	1	
Dakota	0	2	0	
Sunburst	92	47	49	
Sunburst, Dakota	0	4	0	
Swift, Sunburst	0	6	0	
Ellis	28	1	59	
Swift	29	14	0	
Ellis, Madison	0	0	4	
Madison	639	8	934	
Nisku	1	1	2	
KEVIN SUNBURST (DAKOTA)				
Dakota	0	1	0	Single spacing unit for gas production from Dakota (Order 45-90).
KEVIN SUNBURST, NISKU & AREA				
Nisku	0	1	0	Nisku Gas: 640-acre spacing units; location no closer than 990' to spacing unit boundary (Order 83-76). Nisku Oil: 80-acre spacing units; location no closer than 330' to spacing unit boundary (Order 7-86).
KEVIN SUNBURST-BOW ISLAND				
Bow Island	0	7	0	160-acre Bow Island spacing units; location no closer than 660' to spacing unit boundary (Orders 2-88, 60-88). Field enlargement (Orders 17-88, 11-91).
KEVIN, EAST, BOW ISLAND GAS				
Bow Island	0	5	1	160-acre spacing units, one well no closer than 660' to spacing unit boundary per each producing zone, formation, or horizon from top of the Blackleaf to top of Dakota (Order 3-92).
Sunburst	0	1	0	
KEVIN, EAST, GAS				
Bow Island, Sunburst	0	4	0	320-acre designated spacing units for gas production from all horizons above the Rierdon Formation; 660' setback from spacing unit boundaries, 1 well per horizon per spacing unit, commingling authorized (Order 23-85). Field enlargements (Orders 29-86, 10-87, and 8-90).
Bow Island, Sunburst, Swift	0	3	0	
Sunburst	0	4	0	
Swift, Sunburst	0	2	0	
KEVIN, EAST, NISKU OIL				
Nisku	12	1	6	80-acre spacing units consisting of E 1/2 or W 1/2 of governmental quarter section; wells located in center of SW 1/4 or NE 1/4 of each quarter section with 200' geologic or topographic tolerance (Order 46-84). Field enlarged (Order 9-86). Single spacing unit authorized to produce gas from the gas cap (Order 24-88).
KEVIN, SOUTHWEST				
Bow Island	0	1	0	320-acre one-half section spacing units lying north-south or east-west at operator's option; location to be 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, 48-78). Field enlargement (Orders 82-79, 96-79, 47-80, 163-81 and 41-89).
Bow Island, Dakota	0	6	0	
Bow Island, Dakota, Sunburst	0	6	0	
Bow Island, Sunburst	0	8	0	
Dakota	0	4	0	
Kootenai	0	1	0	
Sunburst	0	6	3	
Sunburst, Dakota	0	4	0	
Bow Island, Dakota, Sunburst, Swift	0	4	0	
Swift	0	2	0	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
KICKING HORSE				
Bow Island	0	14	0	320-acre spacing units for Madison and shallower horizons; location no closer than 660' to unit boundary and 990' to field boundary (Order 17-74). Board Order 17-74 is amended to include additional lands and provide that 320-acre spacing units may be either the N/2 & S/2 or E/2 & W/2 of section (Order 53-80).
Sunburst	0	4	1	
Sawtooth	0	1	0	
KINCHELOE RANCH, WEST				
Tyler	6	0	0	Statewide. Kincheloe Ranch Tyler "A" Unit approved (EPA-88 and Order 46-88). KR Tyler "A" Sand Unit approved. (Order 47-91)
KINYON COULEE AREA				
Bow Island	0	0	3	Statewide.
KINYON COULEE, SOUTH				
	0	0	0	Single Bow Island spacing unit with only one well allowed; location no closer than 990' to section line (Order 31-81).
KIPPEN AREA, EAST				
Madison, Swift	0	2	0	Statewide.
Sawtooth	0	0	1	
LAIRD CREEK				
Swift	8	0	2	Unitized and waterflood authorized in Swift for oil production (Order 25-74), commenced 2-25-77. Single 320-acre spacing unit for Swift gas production (Order 37-92)
LAKE BASIN				
Claggett	0	2	1	160-acre spacing units to base of Virgelle; wells no closer than 660' to unit boundary and 990' to field boundary; commingling with administrative approval (Order 9-74). Gas from Telegraph Creek pooled (Order 29-75).
Eagle	0	4	8	
Eagle, Virgelle	0	2	4	
Frontier	0	1	0	
Telegraph Creek	0	0	3	
Virgelle	0	0	1	
LAKE BASIN, NORTH				
Eagle	0	0	1	640-acre spacing units consisting of one section 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).
LAMBERT				
Red River	1	0	2	320-acre Red River spacing units consisting of the E 1/2 and W 1/2 of section (Order 3-83).
LAMESTEER CREEK				
	0	0	0	Single Red River spacing unit (Order 101-84).
LANDSLIDE BUTTE				
Madison	10	0	7	Statewide.
Sun River Dolomite	1	0	2	
LAREDO				
Eagle	0	0	2	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).
LEARY				
Muddy	3	0	0	40-acre spacing units for Muddy Formation; 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				
Bow Island	0	45	13	640-acre Bow Island spacing; one well per section per sand to be located no closer than 990' to section line; permissible to commingle two or more sands with administrative approval (Order 53-77). Field enlargement and amendment to allow two wells per sand per section (Order 1-87).
Sawtooth	0	0	1	
LEROY				
Eagle	0	20	12	320-acre spacing for Judith River and Eagle/Virgelle with unit consisting of one-half section lying north-south or east-west. Wells no closer than 660' to unit boundary and 990' to field boundary. (Order 19-75) Tolerance of 330' allowed for topographic reasons (Order 72-80). Field enlargement (Order 31-87).
LISCOM CREEK				
Shannon	0	8	0	Shannon spacing, one well per 640 acres, with location no closer than 990' to section boundary (Order 20-72).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
LITTLE BASIN				
Frontier	0	0	1	640-acre Frontier spacing units; one well per section located no closer than 990' to spacing unit boundary (Order 27-86).
Lakota	0	0	1	
LITTLE BEAVER				
Siluro-Ordovician	28	0	8	Spacing waived and General Rules suspended until unit agreement becomes inoperative (Order 41-62). Waterflood of the Red River was commenced in August 1967 (Order 3-66). Cedar Creek Units 8A & 8B certified as expanded enhanced recovery units effective 9/1/94 (Order 79-94).
Red River	1	0	5	
LITTLE BEAVER, EAST				
Mission Canyon	1	0	0	Same as for Little Beaver (Order 42-62). Waterflood of the Red River commenced in April 1965 (Order 33-64). Cedar Creek Units 8A & 8B certified as expanded enhanced recovery units effective 9/1/94 (Order 80-94).
Siluro-Ordovician	10	0	1	
LITTLE CREEK				
Eagle	0	1	0	Statewide.
Eagle, Virgelle	0	4	0	
Virgelle	0	0	1	
LITTLE PHANTOM				
Sunburst	1	0	0	10-acre spacing units; well location to be located anywhere within the spacing unit but 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				
Blackleaf	0	10	0	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 of Section 14 and 660' to the remaining unit boundary lines (Order 40-78). Field enlargement (Orders 94-79 and 34-80). Allow two wells within each spacing unit no closer than 1,320' to each other and no closer than 660' to unit boundaries (Order 12-90). Two 320-acre spacing units for Lander Formation gas, 2 wells per spacing unit located no closer than 1320' to another Lander formation well and 330' to the spacing unit boundary (Order 56-91). Enlarge for Lander gas production (Order 48-93).
Bow Island	0	1	0	
Lander	0	2	0	
LITTLE WALL CREEK				
Tyler	3	0	0	Little Wall Creek, Tyler Sand Unit (Order 40-84). Weisner Tyler Sand Unit approved (Order 65-91).
Tyler, Stensvad	4	0	4	
LITTLE WALL CREEK, SOUTH				
Tyler	9	0	2	South Little Wall Creek Unit waterflood (Order 85-83). Gunderson Tyler Sand Unit (Order 39-87; unit area reduced by Order 21-92). Hamilton-Gunderson Tyler Sand Unit (Order 22-92).
LODGE GRASS				
Tensleep	2	0	0	Statewide.
LOHMAN				
Eagle	0	3	4	640-acre Eagle spacing; one well per section to be located no closer than 990' from section line (Order 23-78).
LOHMAN AREA				
Eagle	0	0	1	Statewide.
LONE BUTTE				
Madison	0	0	1	Single 320-acre spacing unit for Red River and Interlake formations; 160-acre spacing units for Madison with well location no closer than 660' to unit boundary; 150' topographic or geologic tolerance (Order 83-85).
Mission Canyon	2	0	0	
Red River	2	0	0	
LONETREE CREEK				
Madison, Ordovician	2	0	0	320-acre Red River spacing, wells 660' from spacing boundary, 2,000' between wells (Order 29-72). Field reduction (Orders 162-81 and 84-85). Ratcliffe and Mission Canyon delineation for S/2, Sec. 10, T24N, R57E (Order 45-93). Interlake spacing unit consisting of the N/2, Sec. 10, T24N, R57E (Order 51-95).
Mission Canyon	2	0	0	
Interlake	2	0	0	
Red River	4	0	2	
LONETREE CREEK, WEST				
	0	0	0	Red River spacing units shall be 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				
Charles C	1	0	0	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
LONG CREEK, WEST				
Nisku	2	0	0	80-acre spacing units comprised of two contiguous quarter quarter sections in either one or two governmental sections aligned either north-south or east-west with location to be no closer than 330' to unit boundary nor less than 1,000' from any other producing well (Order 27-77). Field enlarged (Order 71-83).
LOOKOUT BUTTE				
Madison	5	0	3	160-acre spacing; well location in center of SE 1/4 of each quarter section with 150' topographic tolerance (Order 21-62). Coral Creek Unit not subject to spacing rules. Redelineated (Orders 7-63, 5-95). Field reductions (Orders 57-85, 6-87, 69-94). Waterflood of Silurian-Ordovician approved in 1966 (Order 35-66). Pennel and Coral Creek Deep Units certified as expanded enhanced recovery units effective 9/1/94 (Orders 77-94, 78-94, 5-95).
Siluro-Ordovician	32	0	4	
Red River	6	0	0	
LOOKOUT BUTTE AREA, EAST				
Lodgepole	1	0	0	22 delineated Red River spacing units with wells located no closer than 660' to the unit boundary with 175' 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 and certification as an expanded enhanced recovery project (Order 53-94). Approval of enhanced recovery unit for Red River Formation (Order 70-95).
Interlake	1	0	0	
Red River	51	0	1	
LORING				
Bowdoin	0	94	0	640-acre spacing units with 2 wells per formation (Order 79-82 and 12-89). Amended to allow 4 wells per formation per spacing unit, no closer than 660' to section boundaries, 1,320' between wells producing from same formation, 150' tolerance for 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 with between well distance reduced to 990' (Order 15-91).
Bowdoin, Greenhorn	0	42	0	
Bowdoin, Greenhorn, Phillips	0	153	6	
Greenhorn	0	3	0	
Greenhorn-Phillips	0	60	0	
Phillips	0	1	0	
LORING, EAST				
Bowdoin	0	16	3	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn and Phillips) exist, a well may be drilled to each discrete formation and may be located no closer than 660' from the spacing unit boundaries (Order 60-82).
Bowdoin, Greenhorn	0	48	0	
Bowdoin, Greenhorn, Phillips	0	24	21	
Greenhorn	0	0	4	
Greenhorn-Phillips	0	22	2	
Phillips	0	17	1	
LORING, WEST				
Bowdoin	0	2	0	Spacing units comprised of 1 full section with 4 wells permitted to each formation in each spacing unit located no closer than 660' to the exterior boundary of the section and no closer than 1,320' to a well in the same formation (Order 7-87).
Greenhorn-Phillips	0	2	0	
LOWELL				
Red River	2	0	0	320-acre Red River spacing units consisting of two contiguous governmental quarter sections which may lie in either one or two governmental sections; wells to be located no closer than 660' to unit boundary or closer than 1,650' to well producing from the same horizon (Order 104-79).
LUSTRE				
Charles	9	0	2	80-acre Madison spacing units consisting of 1/2 of a regular governmental quarter section, either E 1/2 and W 1/2 or N 1/2 and S 1/2; well to be located in either NE 1/4 or SW 1/4 with 200' tolerance (Order 19-83). Field enlargement (Order 43-84).
Charles C	15	0	1	
Mission Canyon	4	0	3	
Ratcliffe	6	0	1	
LUSTRE, NORTH				
Charles	1	0	0	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				
Greybull	0	0	3	Statewide.
MARIAS RIVER				
Bow Island	0	17	1	One well per section per horizon above the top of the Kootenai (Order 18-78). Field enlargement (Order 12-83). Field amended to allow 2 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).
Dakota	0	0	1	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
MASON LAKE				
Cat Creek 1	2	0	10	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). Enhanced recovery approved (Orders 37-88, 67-89 and 52-90).
Cat Creek 3	0	0	2	
Amsden	0	0	3	
MCCABE				
Ratcliffe	1	0	0	160-acre spacing units for Madison group; permitted well to be no closer than 660' to spacing unit boundary (Orders 100-80, 43-79). 150' tolerance allowed for topographic reasons (Order 3-81). Board Order No. 100-80 amended to eliminate the requirement of 1,650' between wells producing from the Madison group (Order 37-81).
MCCOY CREEK				
Red River	1	0	0	Statewide.
MEANDER				
Sunburst	2	0	0	40-acre spacing units for Sunburst with wells not closer than 330' to spacing unit boundaries (Order 30-82).
MEDICINE LAKE				
Madison	0	0	1	Delineated for formations from the base of the Winnipeg to the base of the Last Charles Salt; 320-acre spacing units comprised of any two contiguous governmental quarter sections in either one or two governmental sections; wells to be located no closer than 660' to unit boundary nor closer than 1,650' to any well producing from the same formation (Order 50-79).
Mission Canyon	1	0	0	
Devonian	1	0	0	
Duperow	1	0	0	
Nisku	1	0	0	
Winnipegosis	1	0	0	
Gunton	2	0	0	
Red River	3	0	0	
MELSTONE				
Tyler	2	0	0	Statewide.
MELSTONE, NORTH				
Tyler	4	0	5	Waterflood unit approved (Order 125-82). Polymer-augmented tertiary recovery project approved (Order 37-84). Certification as expanded enhanced recovery unit effective 11/1/94 (Order 89-94).
MIDDLE BUTTE				
Second White Specks	0	1	0	Orders 3-60, 21-75 amended to delineate field extension and 320-acre spacing units for Bow Island consisting of 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 boundary (Order 47-77). Enlarge (Order 25-93).
Blackleaf	0	1	0	
Bow Island	0	3	2	
MIDFORK				
Charles C	7	0	0	Statewide. Also a single 80-acre Charles Formation spacing unit (Order 46-92).
Nisku	1	0	1	
MINERS COULEE				
Blackleaf	0	1	0	Oil: 40-acre units Sunburst/Swift consisting of quarter-quarter sections; well location no closer than 330' to lease or property line and 660' to any other well (Order 9-66). Order 9-66 amended to comply with Order 5-74. Gas: 160-acre spacing units for horizons above Rierdon; wells to be located 990' from boundary (Orders 5-74, 43-76, 44-77). Sawtooth gas spacing unit (Order 43-76). Field redelineation/enlargement (Orders 77-76, 44-77, 4-80).
Bow Island	0	11	5	
Sunburst	0	2	9	
Swift, Sunburst	0	2	0	
Sawtooth	0	0	2	
Sawtooth, Madison	0	2	0	
MISSOURI BREAKS				
Nisku	1	0	0	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).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
MON DAK, WEST				
Madison	12	0	1	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 and W 1/2; well location to be no closer than 660' to unit boundary or closer than 1,650' to any well drilling to or producing from same pool (Order 42-77). 320-acre spacing units for interval below Last Charles Salt and above the Devonian; units to consist of either N 1/2 and S 1/2, or E 1/2 and W 1/2 of the section; well location to be no closer than 660' to a quarter section line or section line and no closer than 1,650' to any well drilling to or producing from same pool (Order 23-77). Madison Formation delineation (Order 51-79 as amended by Order 95-83).
Madison, Ordovician	2	0	0	
Mission Canyon	5	0	0	
Ratcliffe	1	0	0	
Devonian	0	0	1	
Duperow	1	0	0	
Interlake	1	0	0	
Siluro-Ordovician	2	0	0	
Red River	2	0	0	
Stony Mountain	2	0	0	
MONA				
Red River	1	0	0	Statewide.
MONARCH				
Madison	0	0	2	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 of quarter section; Location within 660' square at center of quarter section (Order 18-61). 160-acre Siluro-Ordovician spacing units consisting of a quarter section; well location 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 area (Order 23-73). Certified as expanded enhanced recovery unit effective 9/1/94 (Order 76-94). Red River spacing unit (Order 81-94).
Interlake	4	0	0	
Siluro-Ordovician	11	0	5	
Red River	2	0	0	
Red River, Interlake	2	0	0	
MOSSER DOME				
Mosser Sand	23	0	1	Spacing waived. Future development requires administrative approval (Order 27-62).
MT. LILLY				
Bow Island	0	1	0	640-acre spacing for Madison; well location in approximate center of any of the four quarter-quarter sections adjoining center of section; 250' topographic tolerance (Order 37-63).
Swift	0	1	0	
Madison	0	0	2	
MUD CREEK				
	0	0	0	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				
Tyler	1	0	1	Statewide.
MUSTANG				
Madison	1	0	0	Statewide.
Bakken	1	0	0	
Red River	2	0	0	
NEISER CREEK				
Red River	1	0	0	Single 160-acre Red River spacing unit (Order 78-82).
NIELSEN COULEE				
Madison	2	0	0	Statewide. Second well in quarter section authorized (Order 37-93).
NINEMILE				
Nisku	2	0	0	Statewide.
NOHLY				
Madison	5	0	0	Single Red River spacing unit (Order 77-83). Field enlarged, 320-acre designated Red River spacing units (Order 54-84). 160-acre Nisku spacing units, 660' setback from spacing unit boundaries, 150' topographic tolerance (Order 55-84). Nohly (Ratcliffe/Mission Canyon) field delineation; 160-acre spacing units with wells located no closer than 660' to the spacing unit boundaries (Order 70-92). Ratcliffe/Mission Canyon Field enlargement (Orders 6-94, 105-94).
Mission Canyon	3	0	0	
Ratcliffe	2	0	0	
Nisku	4	0	0	
Red River	1	0	0	
NOHLY AREA				
Ratcliffe	2	0	0	Statewide.
NORTH FORK				
Mission Canyon	4	0	1	Statewide, plus single Madison spacing unit, N/2 Sec. 23, T24N, R59E, with designated well (Order 104-94).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
O'BRIENS COULEE				
Second White Specks	0	1	0	Statewide.
Blackleaf	0	1	1	
Bow Island	0	12	4	
Bow Island Spike	0	4	0	
OLD SHELBY				
Bow Island	0	5	0	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, Dakota, and Sunburst gas; also delineated for Bow Island excluding T32N, R1W, Section 3 and T33N, R1W, 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 unit; wells drilled prior to April 1, 1953 exempted (Order 17-94 which supercedes all earlier orders). Field enlargement (Order 31-95).
Sunburst	0	61	3	
Swift, Sunburst	0	8	0	
Swift	0	32	2	
OLJE				
Mission Canyon	1	0	0	Single 160-acre spacing unit (Order 35-85).
OLLIE				
Red River	1	0	0	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				
Ratcliffe	1	0	0	Statewide.
OTIS CREEK, SOUTH				
Ratcliffe	1	0	0	320-acre spacing units for Red River; well to be located no closer than 660' to unit boundary (Order 39-72). Extended field boundary (Orders 56-76, 67-76). Orders 39-72 and 56-76 amended to eliminate spacing units with new spacing units to consist of quarter sections; well location no closer than 660' from spacing unit boundary or 1,650' from producing well with 150' tolerance (Order 73-81). Designation of single 160-acre spacing unit for Charles Formation production (Order 9-95).
OUTLET				
McGowan	0	0	1	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).
OUTLOOK				
Duperow	1	0	0	160-acre spacing units for Siluro-Devonian; well location in center of either SW 1/4 or NE 1/4 of each quarter section; 175' topographic tolerance (Order 19-59A).
Nisku	4	0	0	
Interlake	2	0	0	
Gunton	1	0	0	
OUTLOOK, SOUTH				
	0	0	0	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 unit (Order 45-64).
OUTLOOK, WEST				
Winnipegosis	1	0	0	160-acre spacing units for Winnipegosis consisting of quarter sections; permitted wells in 840' square in the center of spacing unit and no closer than 900' to quarter section boundaries (Order 7-67 as amended by Order 26-67). Field reduction (Order 50-94).
OXBOW				
Red River	1	0	0	320-acre spacing units consisting of two contiguous governmental quarter sections which may be in one or two governmental sections lying east-west or north-south at operator's option; location to be no closer than 660' to the unit boundary or closer than 1,650' to a well producing from same pool (formations below 11,000) (Order 7-78). Field enlargement (Order 137-80).
OXBOW II				
Nisku	1	0	0	320-acre spacing units for Red River consisting of two contiguous quarter sections which may cross section lines; wells located no closer than 660' to spacing unit boundaries (Order 50-84).
Red River	1	0	0	
PALOMINO				
Nisku	5	0	0	Statewide.
PARK CITY				
Virgelle	0	0	1	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
PELICAN	0	0	0	320-acre Ordovician spacing unit; well to be located no closer than 660' to any governmental section or quarter section line boundary (Order 21-79).
PENNEL				
Siluro-Ordovician	141	0	17	Field originally delineated with 80-acre spacing units consisting of E and W 1/2 of quarter section; wells located in center of SE 1/4 and NW 1/4 of quarter sections with 150' topographic tolerance (Order 15-61). 80-acre spacing units 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 (80 acres) and in SE 1/4 of each quarter section on 160-acre spacing (Orders 1-56, 8-56, 15-61, 20-62, 4-63, 7-63). Spacing rules waived within unitized area (Order 24-68). Commingling approved (Order 59-62). Waterflood for Siluro-Ordovician (Order 24-68). Pennel Unit certified as expanded enhanced recovery unit effective 9/1/94 (Order 78-94).
Red River	30	0	2	
Stony Mountain	1	0	0	
PENNEL AREA				
Red River	1	0	0	Statewide.
PETE CREEK				
Sunburst	1	0	0	Statewide.
PHANTOM				
Sunburst	0	2	4	Gas: wells permitted anywhere within the unit but no closer than 990' to the unit boundary. Oil: wells with projected depths 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				
Sunburst	0	2	0	Delineated for Sunburst Sandstone gas production with one well per spacing unit to be located no closer than 660' to the exterior boundaries of the three designated spacing units (Order 65-78).
PINE				
Madison	0	0	3	Statewide spacing rules are 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 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). North Pine and South Pine Units certified as expanded enhanced recovery projects effective 9/1/94 (Orders 73-94, 74-94).
Mission Canyon	1	0	0	
Siluro-Ordovician	96	1	32	
Stony Mountain	0	0	1	
POLICE COULEE				
Bow Island	0	7	2	320-acre spacing units for Bow Island Formation; location no closer than 990' to section line and 660' to half 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).
PONDERA				
Madison	327	0	85	Delineated for production from Ellis/Madison contact; Oil: 220' from legal subdivision, 430' from other wells in same reservoir on same lease; 75' topographic tolerance (Order 2-54). Porter Bench Extension: 330' from legal subdivision line; 650' from other wells in same reservoir on same lease or unit; 75' topographic tolerance (Order 9-54). Gas: Well to be located no closer than 1,320' from the boundaries of any quarter section line, nor less than 3,700' from every other drilling or producible well on the same lease or unit (Order 9-54 corrected). Amend Order 9-54 to designate six 160-acre spacing units for gas with wells to be located no closer than 660' from unit boundaries (Order 26-83).
Sun River Dolomite	14	0	0	
PONDERA COULEE				
Madison	1	0	1	330' from legal subdivision lines or upon a 10-acre spacing pattern; 75' topographic tolerance (Order 5-62).
Sun River Dolomite	5	0	0	
POPLAR AREA, NORTHWEST				
Charles C	3	0	1	Statewide.
POPLAR, EAST				
Heath	1	0	1	Statewide spacing; field delineated (Order 7-55). Redelineation of field (Order 25-76). Horizontal well exception and removal of production restrictions for horizontal wells (Order 67-93). Unitized in 1955 (Order 7-55).
Charles	3	0	0	
Charles B	0	0	1	
Charles C	1	0	0	
Madison	37	0	21	
Nisku	0	0	1	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
POPLAR, NORTHWEST				
Charles	4	0	1	80-acre spacing units, E 1/2 and W 1/2 of each quarter section; wells located in the center of NW 1/4 or SE 1/4 of each quarter section; 75' tolerance for surface hazards and obstructions (Order 18-55). 80-acre designated spacing 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; 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).
Charles B	1	0	0	
Charles C	14	0	1	
Madison	1	0	0	
POTTER GAS				
	0	0	0	Single section delineated for production of gas from all formations between the surface and the top of the Jurassic Rierdon Formation with one designated well for the spacing unit (Order 8-93).
PRAIRIE DELL				
Bow Island	0	15	1	320-acre spacing units for all horizons above the Rierdon with well location no closer than 660' to spacing unit boundary (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, 21-95). Two wells per spacing unit approved 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).
Bow Island, Dakota	0	24	0	
Bow Island, Dakota, Kootenai, Swift	0	4	0	
Bow Island, Dakota, Sunburst	0	27	3	
Bow Island, Sunburst	0	36	2	
Bow Island, Sunburst, Swift	0	21	0	
Bow Island, Swift	0	10	2	
Sunburst	0	9	4	
Sunburst, Dakota	0	6	0	
Swift, Sunburst	0	2	0	
Bow Island, Dakota, Sunburst, Swift	0	40	0	
Bow Island, Dakota, Swift	0	21	0	
Dakota, Sunburst, Swift	0	3	0	
Swift	0	10	0	
Madison	0	0	1	
PRAIRIE DELL, WEST				
Bow Island, Dakota, Kootenai, Sunburst	0	4	0	640-acre spacing unit for Swift Formation with well no closer than 990' to spacing unit boundary (Order 16-78). Amended to include all horizons above the Rierdon Formation (Order 54-78). Field enlarged (Order 55-78). Field enlarged and 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, Dakota, Swift	0	6	0	
Swift	0	1	0	
PRICHARD CREEK				
Bow Island	0	0	1	Sunburst/Swift spacing rules waived with locations subject to administrative approval. Unitized for Sunburst waterflood (Order 7-73).
Sunburst	0	0	5	
Swift	0	0	1	
PRONGHORN				
Red River	1	0	0	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).
PUTNAM				
Madison	1	0	0	Statewide, except for single spacing unit consisting of portions of Sections 15 and 16, T23N, R57E for production from all formations between 6,000 to 11,000 feet (Order 2-84 as amended by Order 11-85). Single Mission Canyon Formation spacing unit consisting of E/2 NE/4, Sec. 32 and W/2 NW/4, Sec. 33, T23N, R57E (Order 18-93).
Mission Canyon	7	0	0	
Ratcliffe	1	0	0	
Bakken	1	0	0	
Interlake	2	0	0	
Red River	2	0	1	
Red River, Interlake	2	0	0	
RABBIT HILLS				
Sawtooth	4	0	0	Statewide. Pilot tertiary recovery project including a portion of Northeast Rabbit Hills Field (Order 78-95).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
RABBIT HILLS, NORTHEAST Sawtooth	11	0	1	160-acre (quarter section) spacing units for Sawtooth, wells not closer than 660' to spacing unit boundaries (Order 33-76, referring to Order 34-74). Field reduction (Order 98-83). Amended to allow 1 well per quarter quarter section no closer than 330' to the quarter quarter section line (Order 48-91). Pilot tertiary recovery project (Order 78-95).
RABBIT HILLS, SOUTHWEST Sawtooth	2	0	0	160-acre (quarter section) spacing units for Sawtooth, with wells not less than 660' from spacing unit boundaries (Order 33-76, referring to order 34-74). Allow 4 wells in NW 1/4 Section 24, T34N, R19E (Order 78-92). NE 1/4, Sec. 23 downspaced to 40-acre spacing units (Order 3-93).
RAGGED POINT Tyler Madison	3 0	0 0	7 1	40-acre spacing units; 75' topographic tolerance (Order 8-59). Spacing waived for Tyler "A" sand reservoir within Tyler "A" Sand Unit except no well can be closer than 660' to unit boundary (Order 35-65). A waterflood project on the Tyler "A" sand was commenced in February 1966, using Third Cat Creek water (Order 35-65). Certification of expanded enhanced recovery project effective 4/1/95 (Order 18-95).
RAGGED POINT, SOUTHWEST Tyler	9	0	2	Waterflood approval; applicants may drill and produce wells to the Tyler "A" Formation anywhere within the unit but not closer than 330' to the unit boundaries (Order 83-82).
RAINBOW Red River	0	0	1	Single 160-acre Red River spacing unit (Order 69-82).
RAPELJE Claggett Eagle Eagle, Virgelle	0 0 0	0 0 0	2 6 6	160-acre spacing for formations from surface to base of Telegraph Creek; wells no closer than 990' to unit boundary; commingling after administrative approval (Order 29-73).
RATTLER BUTTE Tyler	3	0	0	Rattler Butte (Tyler "A") Unit approved (Order 39-92).
RATTLESNAKE BUTTE Cat Creek 1 Cat Creek 2 Amsden	2 1 5	0 0 0	0 1 1	Statewide.
RATTLESNAKE COULEE Bow Island Sunburst	0 0	0 1	2 0	Statewide.
RAYMOND Mississippian Undifferentiated Duperow Nisku Winnipegosis Red River	1 0 1 1 1	0 1 2 0 0	7 0 0 0 1	320-acre spacing units for Red River, Winnipegosis, Duperow, and Nisku formations. Wells 660' from spacing unit boundary (Order 38-72). Gas Storage (Order 50-78 and amended by Order 60-79). Mississippian pool delineation 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).
REAGAN Madison	53	1	13	Statewide. (Order 17-54) A pressure maintenance project utilizing gas injection was started in 1961 (Order 21-60). Waterflood (Order 27-72).
RED BANK Madison Mission Canyon Ratcliffe Nisku Red River	3 4 1 1 2	0 0 0 0 0	0 1 0 0 0	Statewide.
RED BANK, SOUTH Red River	1	0	0	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
RED CREEK				
Cut Bank	5	0	1	40-acre spacing units; wells in center of spacing unit with 75' topographic or obstruction tolerance; spacing and field rules waived for unitized portion (Orders 16-58, 31-64, 5-70). Field enlarged (Order 9-62), redelineated (Order 73-62).
Sunburst	1	0	0	
Cut Bank, Madison	18	0	6	
Madison	5	0	1	
RED FOX	0	0	0	Field consists of one 160-acre spacing unit for Nisku production which straddles the section line (Order 20-67).
RED ROCK				
Eagle	0	6	4	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 exterior section line nor closer than 660' to half section line (Order 89-79).
Judith River	0	0	4	
RED WATER				
Bakken	1	0	0	Statewide.
RED WATER, EAST				
Red River	1	0	0	320-acre spacing units for Red River Formation consisting of 2 contiguous quarter sections with permitted well to be no closer than 660' to exterior boundaries of spacing unit (Order 31-83).
REDSTONE				
Winnipegosis	0	0	1	160-acre spacing units for production from the Winnipegosis; wells to be located no closer than 660' to spacing unit boundaries (Order 30-67).
REFUGE				
Red River	1	0	0	Statewide.
RESERVE				
Red River	2	0	0	Delineated for Red River, Silurian, and Winnipegosis production with 160-acre spacing units; permitted well within 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).
RESERVE II				
Interlake	1	0	0	Single 160-acre spacing unit for Red River (Order 44-87). Single 160-acre spacing unit for Winnipegosis, Interlake and Gunton (Order 55-88).
Red River	1	0	0	
RESERVE, SOUTH				
Winnipegosis	0	1	0	Single spacing unit for Red River production (Order 33-86).
RICHEY				
Charles	1	0	2	Statewide, original 80-acre spacing revoked (Order 11-73).
RICHEY, SOUTHWEST				
Interlake	0	0	2	160-acre spacing units for production from Devonian, Silurian, and Ordovician; wells no closer than 900' to boundary of spacing unit (Order 25-62). A waterflood project in the Interlake and Dawson Bay was started in 1965 (Order 34-65).
RIDGELAWN				
Madison	3	0	0	160-acre Duperow spacing units; wells no closer than 660' to spacing unit boundary with 150' topographic tolerance (Order 18-89). Ridgelawn Duperow Unit approved for secondary recovery (Orders 49-89, 55-89 and 11-90).
Mission Canyon	8	0	0	
Ratcliffe	4	0	0	
Duperow	4	0	2	
Red River	3	0	0	
RIDGELAWN, NORTH				
Madison	1	0	0	Single 640-acre spacing unit (Order 11-92).
RIPRAP COULEE				
Ratcliffe	5	0	0	160-acre spacing units for Ratcliffe; wells located no closer than 660' from spacing unit boundary with 150' topographic and geologic tolerance (Order 93-84).
RIVER BEND				
Red River	1	0	0	Statewide.
ROCKY BOY AREA				
Eagle	0	5	0	Statewide.
ROCKY POINT				
Red River	1	0	0	320-acre Red River spacing unit; well to be located no closer than 660' to exterior boundary (Order 22-79).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
ROSCOE DOME Lakota	0	0	3	Statewide. Steam injection into Greybull and Lakota formations (Order 40-82).
ROSEBUD Tyler	3	0	0	Statewide. Rosebud "Tyler B" waterflood unit approved (Order 30-91).
ROYALS Dawson Bay	1	0	0	Statewide.
RUDYARD Eagle	0	4	1	640-acre spacing units for Sawtooth gas production; well location in center of NW 1/4 of section with 75' topographic tolerance (Order 2-58). Field boundaries reduced (Order 39-76). Allow two wells per 640-acre spacing unit with a 990' setback from spacing unit boundaries, 1320' between wells in the same spacing unit (Order 15-93). Rudyard (Eagle) delineation: 640-acre spacing units for Eagle Formation, 2 wells per spacing unit to be located no closer than 330' to interior spacing unit boundaries, 990' to field boundaries (Order 33-94).
Sawtooth	1	2	2	
RUNAWAY Madison	0	0	1	Statewide.
RUSH MOUNTAIN Gunton	1	0	0	Statewide. Commingling of Gunton and Winnipegosis in Hoffett #2 well approved (Order 17-85).
SAGE CREEK Second White Specks	0	13	7	640-acre spacing for horizons above the Kootenai, one producing well per section per formation to be located no closer than 990' from section line (Order 38-77). Amended field boundary (Order 86-79). Field enlargement (Orders 33-81, 65-83 and 36-84).
Blackleaf	0	2	1	
Bow Island	0	1	0	
SALT LAKE Nisku	2	0	1	Four 160-acre spacing units for Red River Formation with production allocation by stipulated agreement (Order 48-89).
Gunton	1	0	0	
Red River	2	0	1	
SALT LAKE, WEST Ratcliffe	1	0	0	Single 160-acre spacing unit for Ratcliffe oil and gas production (Order 47-92).
SAND CREEK Charles	1	0	0	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 Swift	0	1	0	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 Ratcliffe	0	0	1	Statewide.
SAWTOOTH MOUNTAIN & AREA Eagle	0	31	2	640-acre spacing units for Eagle and Judith River formations, one well per section per formation, location to be not less than 990' from governmental section line (Order 45-76). Amended to allow one well per formation per quarter section in six sections; wells no closer than 660' to quarter section lines and 990' to section lines (Order 65-85). Amended to allow 4 wells per formation per section for 3 additional sections (Ordered 62-89).
Judith River	0	3	3	
SECOND CREEK Mission Canyon	1	0	0	303.1-acre Red River spacing unit (Order 34-78). 160-acre Duperow spacing units; well locations for each unit to be as specified (Order 119-80).
Ratcliffe	1	0	1	
Red River	2	0	0	
SECOND GUESS Madison	2	0	0	40-acre spacing units for oil production from top 100' of Mississippian Madison Formation to the surface; wells to be located no closer than 330' to the spacing unit boundaries with 75' for topographic tolerance (Order 57-91).
SHELBY AREA Sunburst	0	1	0	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
SHELBY, EAST				
Bow Island	0	1	0	640-acre spacing units for all formations from the surface to the top of the Rierdon Formation (Order 8-91). Field enlarged and amended to allow 2 wells per spacing unit no closer than 990' to the section line and no closer than 990' to another well in the same section producing from the same horizon (Order 45-91). Field enlarged for Bow Island production (Order 61-91).
Burwash	0	1	0	
Sunburst	0	7	1	
Swift, Sunburst	0	2	0	
SHERARD				
Eagle	0	8	6	640-acre Eagle spacing units; 990' setback from section line (Order 1-74). 160-acre Eagle spacing units for Section 8, T25N, R17E; wells to be located no closer than 990' from section line, 660' from quarter section line (Order 7-77). Enlarged field boundary with 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 located no closer than 990' to unit boundaries (Order 24-87).
Judith River	0	0	1	
SHERARD, AREA				
Eagle	0	31	40	Statewide, with numerous exceptions.
Judith River	0	2	4	
SHOTGUN CREEK				
Mission Canyon	1	0	0	Statewide.
Ratcliffe	2	0	0	
SHOTGUN CREEK, NORTH				
	0	0	0	320-acre spacing units for Red River and Gunton production; wells to be located no closer than 660' to spacing unit boundaries and 1500' to another well producing from the same formation (Order 49-77).
SIDNEY				
Madison	3	0	0	160-acre spacing units for Madison group with one well per spacing unit to be located no closer than 660' from unit boundary and no closer than 1,650' to well producing from the same formation (Order 5-79). Field enlargement (Order 99-80).
Mission Canyon	3	0	0	
Ratcliffe	3	0	0	
Red River	2	0	0	
SIDNEY, EAST				
Madison	1	0	0	Statewide.
Mission Canyon	2	0	0	
SINGLETREE				
Nisku	1	0	0	Single spacing unit for production from Winnipegosis (Order 78-84).
Winnipegosis	0	0	1	
Red River	0	0	1	
SIOUX PASS				
Red River	4	0	0	320-acre spacing units for Interlake and Red River consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option; permitted well no closer than 660' from unit boundary; 160-acre spacing units for Mission Canyon with well no closer than 660' from unit boundary; commingling of Interlake and Red River production authorized (Orders 10-75, 15-77). Amended field boundary (Order 15-77). Field reduction (Order 89-81).
Red River, Interlake	6	0	0	
SIOUX PASS, EAST				
Red River	0	0	1	Statewide.
SIOUX PASS, MIDDLE				
Red River	5	0	0	320-acre spacing units for Red River Formation to consist of two contiguous governmental quarter sections at operator's option; location to be no closer than 660' from exterior boundary of unit and no closer than 1,650' from well producing from same formation; commingling permissible with Administrative approval (Order 55-76). Exception location (Order 39-81).
SIOUX PASS, NORTH				
Madison	3	0	0	320-acre spacing units for Red River, Interlake, Winnipegosis, Nisku, Madison; well locations at least 660' from unit boundary (Orders 12-75, 17-76, 8-79). Commingling approved (Order 17-76). 150' topographic tolerance (Order 10-81). Field extensions (Orders 12-77, 13-79 and 48-81). Two 320-acre spacing units for Duperow (Orders 107-80, 74-82).
Ratcliffe	2	0	1	
Red River	8	0	0	
Red River, Nisku	2	0	0	
SIOUX PASS, SOUTH				
Red River	2	0	0	Statewide.

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
SIXSHOOTER DOME				
Eagle	0	2	0	160-acre spacing units for gas production at a depth from 969' to 1500'; wells no closer than 660' to spacing unit boundary with 75' topographic tolerance (Order 18-92).
Lakota	0	3	1	
SNOOSE COULEE				
Bow Island	0	8	1	640-acre spacing units for Bow Island and shallower formations; location no closer than 990' to spacing unit boundary (Order 18-77). 320-acre Sunburst gas spacing unit approved (Order 58-88).
Sunburst	1	0	0	
SNYDER				
Tensleep	2	0	2	10-acre spacing units with center 5-spot permitted; 150' topographic tolerance (Order 45-62).
SOAP CREEK				
Tensleep	8	0	2	One well per 10-acre spacing unit per producing formation; well location in center of spacing unit with 100' topographic tolerance. Delineation includes Madison, Amsden, and Tensleep formations (Order 26-60).
Amsden	1	0	0	
Madison, Amsden	10	0	4	
Madison	16	0	1	
SOAP CREEK, EAST				
Tensleep	3	0	0	Statewide.
SOBERUP COULEE				
	0	0	0	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				
Mission Canyon	1	0	0	Statewide.
Red River	2	0	0	
SPRING COULEE				
Greenhorn	0	2	2	Statewide.
Sawtooth	0	0	1	
SPRING LAKE				
Bakken	3	0	0	Delineated for Red River and Nisku formations with one well per 160-acre spacing unit; well location anywhere within 840' square in center of spacing unit (Order 6-63). Field redelineation (Orders 30-76, 49-76). Single 320-acre spacing unit for Bakken Formation production (Order 26-95).
Dawson Bay	1	0	0	
Red River	0	0	1	
SPRING LAKE, WEST				
Bakken	1	0	0	Single 160-acre Duperow spacing unit (Order 42-82).
STAMPEDE				
Bakken	1	0	0	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).
Red River	1	0	0	
STENSVAD				
Stensvad	0	0	1	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). Field enlarged (Order 22-59). Waterflood area enlarged (Order 9-67).
Tyler	6	0	8	
STRAWBERRY CREEK AREA				
Bow Island	0	1	0	Statewide.
Burwash	0	1	0	
Sunburst	0	0	1	
STUDHORSE				
Tyler	2	0	3	Statewide.
SUMATRA				
Amsden	2	0	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 using Madison water (Orders 48-67, 6-69, 19-69, 23-69, 5-75, 21-78, and 43-80). Convert CSTSU, SESTSU and Kincheloe Sumatra Unit to tertiary recovery projects (Orders 99-84, 100-84 and 29-85). Certification of Kincheloe Sumatra Unit (Order 23-95) and West Sumatra Unit (Order 68-95) as an expanded enhanced recovery projects.
Lower Tyler	8	0	7	
Tyler	38	0	35	
Heath	1	0	0	

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
SUNNY HILL				
Madison	1	0	0	320-acre Red River & Duperow spacing units; location to be no closer than 660' to the section or quarter section line which is the exterior boundary of the unit nor closer than 1,650' to any well producing from same formation. 160-acre Madison spacing units consisting of regular quarter sections; location no closer than 660' to section or quarter section lines (Order 39-78). Field boundaries reduced (Order 79-84).
Ratcliffe	1	0	0	
SUNNY HILL, WEST				
Ratcliffe	1	0	0	Single 320-acre spacing unit consisting of S/2, Sec. 14, T31N, R57E, with designated well (Order 55-93).
SWANSON CREEK				
Bowdoin	0	1	0	320-acre spacing units (Order 36-75), amended to enlarge field and provide that spacing units may run north-south or east-west with permitted wells to be no closer than 990' to section or quarter section lines (Order 11-78). Field boundaries extended by Orders 32-78, 92-79, 66-80 and 55-81. All previous Swanson Creek orders are amended to allow one additional well in each existing 320-acre spacing unit that shall be drilled in a manner that there be no more than one well per quarter section and located no closer than 660' to the quarter section boundaries (Order 28-82).
Greenhorn-Phillips	0	14	0	
Phillips	0	68	0	
SWEETGRASS				
Sunburst	0	1	0	Single Sunburst gas spacing unit (Order 121-82).
SWEETGRASS AREA				
Sunburst	0	1	0	Statewide.
TARGET				
Madison	0	0	2	Single spacing unit for Mission Canyon/Ratcliffe formations (Order 18-82). Amendment to Order 18-82 for field enlargement and establishing 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).
Mission Canyon	0	0	2	
Ratcliffe	3	0	3	
Madison, Nisku	2	0	0	
Nisku	2	0	0	
THIRTY MILE				
Sawtooth	0	0	2	Statewide.
THREE BUTTES				
Bakken	1	0	0	160-acre spacing units for Madison Group formations, with well location no closer than 660' from governmental quarter section line or unit boundary (Order 11-81).
Red River	2	0	0	
THREE MILE				
Eagle	0	2	4	Statewide.
TIBER				
Bow Island	0	0	3	Two wells per each gas producing horizon from the surface down to and including the Kootenai Formation per section; 990' setbacks and 1,320' between wells in each section (Orders 143-81, 21-84 and 28-85).
TIBER, EAST				
Bow Island	0	9	0	Two wells from same Bow Island horizon per section no closer than 990' to section lines and 1,320' to each other (Orders 21-84 and 28-85).
TIGER RIDGE				
Eagle	0	316	112	Field delineation and redelineations (Orders 17-67, 23-68, 10-70, 13-75, 46-78, 48-79, 26-80, 30-89, 10-90 and 66-91). Statewide spacing for field area not unitized. Numerous spacing rule amendments.
Judith River	0	5	0	
TIGER RIDGE AREA				
Eagle	0	0	1	Statewide.
TIGER RIDGE, NORTH				
Eagle	0	0	1	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).
TIMBER CREEK				
	0	0	0	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).
TIMBER CREEK, WEST				
Sunburst	0	1	0	Single 640-acre spacing unit for Sunburst Sandstone production in Sec. 6, T35N, R1E (Order 91-76).

OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
TINDER BOX Tyler	1	0	0	Statewide.
TRAIL CREEK Bow Island	0	4	2	One well per 320-acres consisting of S 1/2 and N 1/2 of each governmental section but not closer than 990' from spacing boundary (Orders 33-70, 28-78). Field enlargements (Order 135-80).
Sunburst	0	2	0	
Swift, Sunburst	0	2	0	
TULE CREEK Devonian	1	0	0	160-acre spacing units with permitted well anywhere within 1,320' square in center of each unit (Orders 26-62, 6-65, 11-67, 5-77, 52-86).
Nisku	2	0	0	
TULE CREEK, EAST Nisku	1	0	0	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 Nisku	1	0	1	160-acre Nisku spacing units with permitted well anywhere within a 1,320' square in center of each unit (Orders 34-64, 6-65).
TWO FORKS Eagle	0	0	1	Statewide.
Judith River	0	0	1	
TWO WATERS Bakken	3	0	0	Statewide.
UTOPIA Bow Island	0	4	0	640-acre spacing units for formations between top of Kootenai and top of Greenhorn; well location no closer than 990' to any governmental section line (Order 13-80). 40-acre spacing units for Swift Formation; location to be in center of quarter-quarter section with no more than 100' topographic tolerance (Order 9-78). Order 9-78 amended; 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 approved for secondary recovery (Orders 11-89, 38-89 and 33-90). Certification as expanded enhanced recovery project effective 10/1/94 (Order 88-94).
Swift	20	0	4	
Sawtooth	0	2	0	
VALIER Blackleaf	0	0	2	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 Bowdoin	0	8	0	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn, and Phillips) exist a well may be drilled to each discrete formation; wells to be located no closer than 660' to the spacing unit boundaries (Order 61-82).
VAUX Madison	11	0	0	Single spacing unit with commingling approved for Madison group (Order 63-83). Single spacing unit for Mississippian Bakken formation (Order 20-86). Single 160-acre spacing unit for Mission Canyon Formation (Order 25-87).
Mission Canyon	8	0	1	
Ratcliffe	1	0	1	
Bakken	2	0	0	
Interlake	1	0	0	
Red River	2	0	1	
Stonewall	1	0	0	
VOLT Madison	1	0	0	160-acre Nisku spacing units with permitted well anywhere within a 1,320' square in center of each unit (Orders 27-64, 6-65, 32-65).
Nisku	4	0	0	
WAKEA Nisku	2	0	0	Two 320-acre spacing units (Order 84-83). Field enlarged; wells located no closer than 660' to spacing unit boundaries. Delineation includes Red River, Nisku, Duperow, Winnipegosis, Interlake and Gunton formations (Order 34-84). Commingling of production from Nisku and Duperow formations approved for one well (Order 59-91).
Nisku, Duperow	2	0	0	
Winnipegosis	2	0	0	
Red River	3	0	0	
WEED CREEK Amsden	1	0	1	Statewide.
WEST BUTTE Bow Island	0	3	1	Sawtooth-Madison gas commingled, unitized; no well closer than 330' to unit boundary (Order 5-72).
Sunburst	2	0	4	

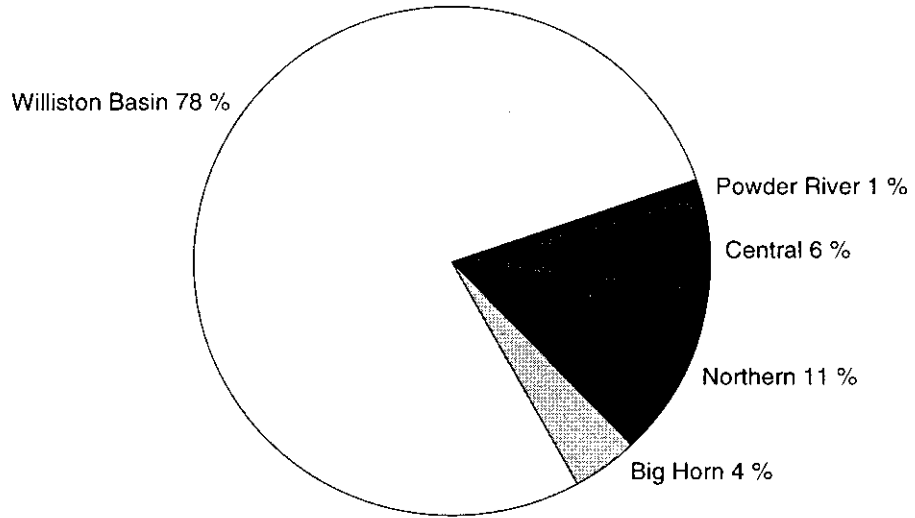
OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
WEST BUTTE SHALLOW GAS				
Bow Island	0	2	1	160-acre spacing units; with one well to be permitted to produce from each individual gas producing formation above the top of the Kootenai to the surface within each 160-acre spacing unit; well locations to be anywhere within the spacing unit but not closer than 990' to the spacing unit boundaries (Order 39-77).
WEYGAND				
Sawtooth	3	0	1	Statewide.
WHITEWATER				
Bowdoin	0	99	0	640-acre spacing units with 2 wells per formation (Orders 41-82 and 14-89).
Bowdoin, Greenhorn	0	38	0	Amend to allow 4 wells per formation per spacing unit no closer than 660' to spacing unit boundaries, 1,320' between wells producing from the same formation with 150' of 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 infill drilling program (Order 6-92).
Bowdoin, Greenhorn, Phillips	0	144	0	
Greenhorn	0	22	0	
Greenhorn-Phillips	0	124	12	
Phillips	0	3	0	
WHITEWATER, EAST				
Bowdoin	0	9	0	640-acre spacing units with two wells allowed per formation to be located anywhere within the spacing unit but not closer than 990' to spacing unit boundary (Order 100-83). Amend to allow 4 wells per formation per spacing unit no closer than 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, 150' tolerance and 660' setbacks (Order 7-92).
Bowdoin, Greenhorn, Phillips	0	9	0	
Greenhorn-Phillips	0	16	0	
Phillips	0	2	1	
WHITLASH				
Bow Island	5	26	3	Gas: 300' from legal subdivision line and 2,400' between wells, 75' topographic tolerance. Oil: 330' from legal subdivision line and 650' between wells; 5-spot location at center of 40-acre tract permitted; 75' topographic tolerance (Orders 16-54, 27-70). Order 16-54 amended to 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 location no closer than 990' from spacing unit boundary (Order 45-81).
Bow Island Spike	0	2	0	
Bow Island, Dakota	0	4	0	
Dakota	0	0	3	
Sunburst	0	1	3	
Swift, Sunburst	32	2	46	
Swift	21	6	23	
Madison	0	1	1	
WHITLASH, WEST				
Bow Island	0	1	0	Gas: 160-acre spacing units consisting of quarter sections; well location anywhere within a 660' square in center of spacing unit. Oil: 330' from legal subdivision line, 650' between wells in same reservoir on same lease; 5-spot location permitted (Orders 61-62, 22-65 as amended). Orders 61-62 amended by Order 48-77. Field extension (Order 18-79).
Sunburst	1	4	6	
Swift, Sunburst	2	0	6	
WILLIAMS				
Bow Island	0	15	3	640-acre spacing unit; well to be located no closer than 990' to exterior boundary for all formations above the Kootenai (Order 49-79). Amendment enlarging field boundary (Order 102-79, 11-83).
WILLOW CREEK, NORTH				
Tyler	2	0	2	Statewide. Pilot waterflood (Order 19-72).
WILLOW RIDGE				
Bow Island	0	9	1	640-acre spacing units; location to be no closer than 990' to unit boundary for gas production from all formations from the surface to the top of the Kootenai (Order 29-78). 40-acre spacing units for oil production from the Burwash, with 5 wells permitted in each spacing unit; well may be located in the center of each 10 acre quarter-quarter-quarter section and one in the center of each 40-acre subdivision with a 75' topographic tolerance allowed (Order 30-78).
Burwash	4	0	0	
Dakota	0	1	0	
Sunburst	0	1	0	
Swift	0	1	0	
WILLOW RIDGE, SOUTH				
Sunburst	0	1	0	Statewide.
WILLOW RIDGE, WEST				
Bow Island	0	4	1	Delineated for gas production from the 4th Bow Island sand; 640-acre spacing units, wells to be located no closer than 990' to spacing unit boundaries (Order 3-88).
WILLS CREEK, SOUTH				
Siluro-Ordovician	3	1	0	160-acre spacing units for Siluro-Ordovician; well location in center of SE 1/4 of each unit with 175' topographic tolerance (Orders 5-64, 30-66). Waterflood initiated 12-1-73 (Order 23-73). Field enlargement and designation of single 640-acre spacing unit for up to 4 horizontal or vertical wells (Order 4-95).

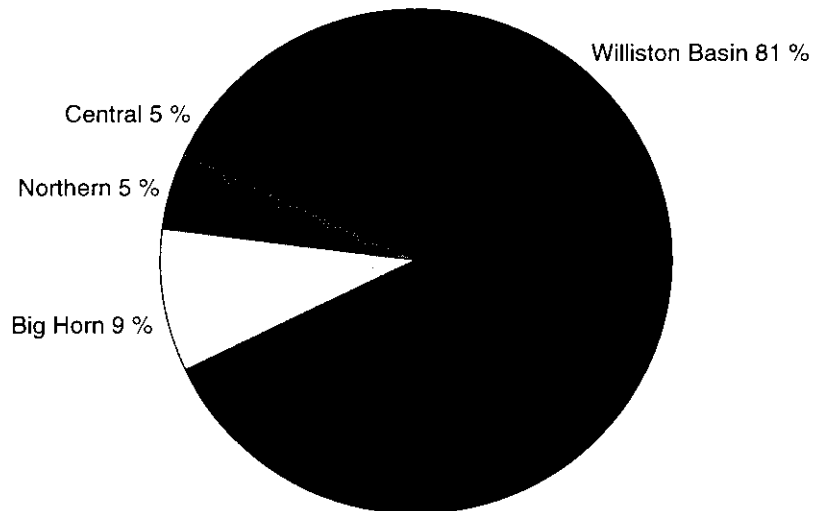
OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-In	Spacing Regulations, Field Rules, and Remarks
WINNETT JUNCTION Tyler	3	0	1	20-acre spacing units to be designated as W 1/2 and E 1/2 of quarter-quarter section, no closer than 120' to the boundary of a spacing unit (Order 57-76). Certain lands bound by Order 57-76 vacated by Order 41-77. A waterflood operation commenced October 1, 1977 into Tyler Formation. (Order 41-77)
WOLF SPRINGS Amsden	4	0	2	80-acre Amsden spacing units consisting of N 1/2 and S 1/2 of each quarter section; well location in center of NW 1/4 and SE 1/4 of each quarter section with 75' topographic tolerance (Orders 4-56, 9-59). Boundary changes (Order 92-76 and 5-90).
WOLF SPRINGS AREA Amsden	1	0	0	Statewide.
WOLF SPRINGS, SOUTH Amsden	2	0	5	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 SE 1/4 of quarter section with 150' topographic tolerance (Order 57-84). Field enlargement (Order 8-85). South Wolf Springs Amsden Unit approved (Order 23-92). Certified as expanded enhanced recovery unit effective 6/29/94 (Order 52-94).
WOODROW Charles	1	0	0	80-acre spacing units consisting of any two adjacent quarter-quarter sections; well locations in center of NE 1/4 and SW 1/4 of each quarter section with 200' topographic tolerance (Order 47-62).
Charles, Interlake	2	0	0	
Interlake	0	0	1	
WRANGLER Red River	2	0	0	320-acre spacing units for production from Red River Formation consisting of W 1/2 and E 1/2 of S25 T34N R56E (Order 44-85).
WRANGLER, NORTH Red River	1	0	0	Statewide.
WRIGHT CREEK Muddy	6	0	1	80-acre spacing units for Muddy Sandstone production consisting of N 1/2 and S 1/2 of quarter section with 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).
YATES	0	0	0	320-acre spacing units; well locations as specified for the Duperow and Red River formations that may be dually completed (Order 92-81). Single 320-acre spacing unit for Ratcliffe/Mission Canyon formations (Order 22-86).

1995 Oil Production by Region
16,525,824 Barrels



1995 Oil Reserves by Region
141 Million Barrels



SUMMARY C

LINE NO.	PRODUCING FIELD	FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	POROSITY(%)	% WATER	RE
											FA
											PRIM.
1	Anvil	Nisku	Roosevelt	1981	10900	40.0	1.50	14	17	34	54
2	Anvil	Ratcliffe	Roosevelt	1982	8990	36.0	1.35	22	11	50	12
3	Anvil	Red River	Roosevelt	1978	12600	47.0	1.63	26	14	32	11
4	Ash Creek	Shannon	Big Horn	1952	4500	34.0	1.00	14	22	42	26
5	Bainville	Ratcliffe	Roosevelt	1988	8630	38.0	0.00	16	0	0	0
6	Bainville	Siluro/Ord.	Roosevelt	1969	12402	44.0	0.00	8	25	31	0
7	Bainville II	Red River	Roosevelt	1981	12700	42.0	1.20	40	10	35	5
8	Bainville, North	Nisku	Roosevelt	1992	10832	43.4	0.00	8	0	0	0
9	Bainville, North	Ratcliffe	Roosevelt	1980	8800	30.0	0.00	13	14	52	0
10	Bainville, North	Red River/Interlake	Roosevelt	1979	12400	43.0	1.55	40	9	32	10
11	Bainville, North	Winnipegosis	Roosevelt	1979	11400	44.0	1.60	35	7	20	18
12	Bainville, West	Red River	Roosevelt	1978	8500	34.0	1.50	12	6	45	14
13	Beanblossom	Lower Tyler	Garfield	1985	4562	32.0	1.05	22	21	35	6
14	Bears Den	Swift	Liberty	1924	2300	39.0	1.08	20	9	35	28
15	Bell Creek	Muddy	Powder River	1967	4400	36.0	1.11	10	26	23	31
16	Benrud, East	Nisku	Roosevelt	1962	7500	46.0	1.37	22	15	30	37
17	Benrud, Northeast	Nisku	Roosevelt	1964	7400	46.0	1.40	23	16	30	45
18	Big Wall	Amsden	Musselshell	1953	2500	19.0	1.01	17	16	35	29
19	Big Wall	Lower Tyler Unit	Musselshell	1948	3000	31.0	1.02	22	17	40	33
20	Big Wall	Upper Tyler Unit	Musselshell	1948	3000	30.8	1.03	16	17	32	4
21	Black Diamond	Duperow	Wibaux	1992	10180	30.5	0.00	3	0	0	0
22	Blackfoot	Devonian/Madison	Glacier	1957	3500	30.0	1.10	15	15	35	28
23	Bloomfield	Dawson Bay	Dawson	1984	10500	41.0	1.38	15	2	25	54
24	Bloomfield	Interlake/Red River	Dawson	1983	10650	43.0	1.32	13	4	0	21
25	Bowes Sawtooth Unit	Sawtooth	Blaine	1949	3300	19.0	1.02	32	12	31	15
26	Brady	Sunburst	Pondera	1942	1500	34.0	1.01	10	12	30	5
27	Breed Creek	Tyler	Roosevelt	1976	4900	32.0	1.15	20	15	37	45
28	Brorson	Madison	Richland	1954	9600	32.0	1.40	40	5	40	15
29	Brorson	Red River	Richland	1968	12600	48.0	1.70	20	10	35	35
30	Brorson, South	Bakken	Richland	1990	10400	42.0	0.00	24	0	4	0
31	Brorson, South	Madison	Richland	1978	9000	42.0	0.00	52	0	0	0
32	Brush Lake	Red River	Sheridan	1969	11400	40.0	1.50	30	14	35	9
33	Burget, East	Madison	Roosevelt	1981	9000	0.0	0.00	36	0	0	0
34	Cabin Creek Unit 1	Siluro/Ord.	Fallon	1953	9000	33.0	1.20	50	13	30	11
35	Cabin Creek Unit 2	Madison	Fallon	1956	7300	33.0	1.13	25	11	30	54
36	Canal	Madison	Richland	1977	9200	33.0	1.30	47	2	41	29
37	Canal	Red River	Richland	1970	12700	47.0	2.07	58	8	40	22
38	Carlyle	Red River	Wibaux	1978	10700	37.0	1.30	12	12	27	8
39	Cat Creek East Dome	Ellis	Petroleum	1920	1200	52.0	1.10	6	22	40	29
40	Cat Creek Mosby Dome	Amsden	Petroleum	1967	2000	52.0	1.10	10	8	30	71
41	Cat Creek Mosby Unit	Swift	Petroleum	1945	1700	52.0	1.10	25	18	40	11
42	Cat Creek West Dome	1st and 2nd Cat	Petroleum	1920	1100	52.0	1.10	51	21	19	16
43	Cattails	Ratcliffe	Richland	1987	8975	31.6	0.00	0	0	0	0
44	Cattails, South	Ratcliffe	Richland	1991	9445	33.4	0.00	26	0	0	0
45	Charlie Creek, East	Red River	Richland	1980	11900	45.0	0.00	27	0	0	0
46	Chelsea Creek	Nisku	Roosevelt	1961	7626	44.7	0.00	0	0	0	0
47	Clear Lake	Madison	Sheridan	1978	7600	33.0	1.15	10	5	30	37
48	Clear Lake	Nisku	Sheridan	1979	9000	43.0	1.53	31	11	27	6
49	Clear Lake	Red River	Sheridan	1977	11200	42.0	1.65	32	18	35	8
50	Clear Lake, South	Red River	Sheridan	1984	11500	38.0	1.39	10	23	21	4
51	Colored Canyon	Red River	Sheridan	1978	11300	40.0	1.40	18	13	28	5
52	Comertown	Duperow/Nisku	Sheridan	1983	10672	36.0	1.30	13	17	39	12
53	Comertown	Ratcliffe	Sheridan	1981	6807	30.0	1.20	16	26	0	1
54	Comertown	Red River	Sheridan	1980	10500	30.0	1.30	19	10	38	40
55	Comertown, South	Red River	Sheridan	1984	11000	38.0	1.08	17	12	50	6
56	Cottonwood	Ratcliffe	Richland	1992	8805	0.0	0.00	12	0	0	0
57	Cottonwood, East	Ratcliffe	Richland	1990	8842	31.5	0.00	36	0	46	0
58	Cow Creek, East	Kibby	McCone	1971	6300	35.0	1.05	15	15	0	10
59	Crane	Devonian	Richland	1979	11900	47.0	1.65	20	12	35	23
60	Crane	Siluro/Ord.	Richland	1979	12700	44.4	1.50	8	12	18	31
61	Cupton	Red River	Fallon	1955	9600	38.0	1.25	40	12	16	5
62	Cut Bank	Cut Bank/Madison	Glacier/Toole	1932	2900	31.0	1.09	18	15	35	21
63	Dagmar	Red River	Sheridan	1976	11300	37.0	1.65	22	16	35	5
64	Dagmar, North	Madison	Sheridan	1983	7952	0.0	0.00	24	0	0	0
65	Deer Creek	Charles	Dawson	1990	7870	30.2	1.00	10	13	50	20

MARY OF PRODUCING OIL FIELDS —1995

WELL NO.	RECOVERY FACTOR %		PRO-DUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1995 PRODUCTION		CUMUL. PROD. 1-95 (M BBLs)	RE-SERVES (M BBLs)	LINE NO.
	PRIM.	SECND.		M BBLs	BBLs/AC	PRIM. (M BBLs)	SECOND. (M BBLs)	TOTAL (M BBLs)	BBLs/ACRE	BBLs/ACRE FT.	BBLs	BOPD			
54	0		320	2600	8125	1410	0	1410	4406	315	44874	123	1104	306	1
12	0		320	2225	6953	270	0	270	844	38	9207	25	224	46	2
11	0		2560	30159	11780	3370	0	3370	1316	51	75216	206	3132	238	3
26	5		200	2772	13860	730	140	870	4350	311	3559	10	862	8	4
0	0		320	0	0	0	0	0	0	0	13356	37	63	6	5
0	0		1920	0	0	0	0	0	0	0	20099	55	567	101	6
5	0		960	16137	16809	810	0	810	844	21	26673	73	665	145	7
0	0		320	0	0	0	0	0	0	0	39511	108	158	405	8
0	0		480	0	0	0	0	0	0	0	36895	101	260	224	9
10	0		2240	27446	12252	2830	0	2830	1263	32	212020	581	1343	1487	10
18	0		960	9123	9503	1610	0	1610	1677	48	68314	187	944	666	11
14	0		960	1966	2047	270	0	270	281	23	5793	16	237	33	12
6	0		480	10650	22187	650	0	650	1354	62	22164	61	481	169	13
28	0		360	3026	8405	860	0	860	2389	119	43153	118	659	201	14
31	28		16000	223878	13992	69500	62690	132190	8262	826	109442	300	131948	242	15
37	0		640	8372	13081	3070	0	3070	4797	218	19258	53	2934	136	16
45	0		160	2284	14275	1030	0	1030	6438	280	3547	10	1016	14	17
29	0		320	4346	13581	1260	0	1260	3938	232	16071	44	1150	110	18
33	1		1220	20822	17067	6930	210	7140	5852	266	30391	83	6871	269	19
4	0		480	6687	13931	290	0	290	604	38	10791	30	106	184	20
0	0		160	0	0	0	0	0	0	0	7769	21	23	26	21
28	22		360	3713	10313	1050	820	1870	5194	346	22768	62	1692	178	22
54	0		320	405	1265	220	0	220	688	46	4436	12	175	45	23
21	0		640	1956	3056	410	0	410	641	49	9998	27	387	23	24
15	0		3760	75774	20152	10990	0	10990	2923	91	114364	313	10499	491	25
5	0		680	4387	6451	230	0	230	338	34	5124	14	217	13	26
45	0		480	6120	12750	2770	0	2770	5771	289	172640	473	1772	998	27
15	0		1760	11703	6649	1760	0	1760	1000	25	50414	138	1536	224	28
35	0		1280	7594	5932	2690	0	2690	2102	105	40917	112	2507	183	29
0	0		480	0	0	0	0	0	0	0	15195	42	205	199	30
0	0		640	0	0	0	0	0	0	0	44197	121	232	76	31
9	0		2240	31628	14119	2990	0	2990	1335	45	31861	87	2846	144	32
0	0		640	0	0	0	0	0	0	0	14478	40	245	113	33
11	11		16320	480065	29415	51540	52810	104350	6394	128	1335123	3658	84423	19927	34
54	0		2260	29868	13215	16240	0	16240	7186	287	126438	346	15135	1105	35
29	0		640	2118	3309	610	0	610	953	20	13699	38	540	70	36
22	0		320	3339	10434	750	0	750	2344	40	10052	28	705	45	37
8	0		640	4015	6273	340	0	340	531	44	5135	14	326	14	38
29	8		880	4915	5585	1410	390	1800	2045	341	4279	12	1787	13	39
71	13		400	1580	3950	1120	210	1330	3325	333	3143	9	1318	12	40
11	1		880	16757	19042	1840	170	2010	2284	91	5343	15	1983	27	41
16	5		1480	90551	61183	14550	4530	19080	12892	253	28976	79	18759	321	42
0	0		1120	0	0	0	0	0	0	0	66877	183	772	612	43
0	0		640	0	0	0	0	0	0	0	21960	60	145	99	44
0	0		960	0	0	0	0	0	0	0	51069	140	633	252	45
0	0		160	0	0	0	0	0	0	0	7728	21	79	50	46
37	0		960	2267	2361	840	0	840	875	88	32828	90	684	156	47
6	0		480	6059	12622	380	0	380	792	26	33084	91	166	214	48
8	0		2240	39432	17603	3180	0	3180	1420	44	92512	253	2661	519	49
4	0		640	6490	10140	250	0	250	391	39	7795	21	203	47	50
5	0		1920	17926	9336	860	0	860	448	25	6940	19	850	10	51
12	0		640	5149	8045	620	0	620	969	75	12645	35	574	46	52
1	0		480	12909	26893	170	0	170	354	22	5272	14	159	11	53
40	0		800	5624	7030	2270	0	2270	2838	149	57749	158	1874	396	54
6	0		960	7034	7327	390	0	390	406	24	19001	52	300	90	55
0	0		320	0	0	0	0	0	0	0	28843	79	121	124	56
0	0		160	0	0	0	0	0	0	0	10243	28	69	88	57
10	0		1600	26599	16624	2690	0	2690	1681	112	15368	42	2602	88	58
23	0		960	7041	7334	1630	0	1630	1698	85	34724	95	1463	167	59
31	0		960	3909	4071	1220	0	1220	1271	159	48307	132	1090	130	60
5	0		2240	56054	25024	2860	0	2860	1277	32	55812	153	2557	303	61
21	6		49000	612063	12491	130720	36720	167440	3417	190	481075	1318	166176	1264	62
5	0		1280	13770	10757	720	0	720	563	26	13933	38	628	92	63
0	0		160	0	0	0	0	0	0	0	3020	8	55	6	64
20	0		480	2420	5041	480	0	480	1000	100	37790	104	119	361	65

SUMMARY O

LINE NO.	PRODUCING FIELD	FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	POROSITY(%)	% WATER	RECO FAC
											PRIM.
66	Diamond Point	Red River	Roosevelt	1976	11900	47.0	0.00	26	0	0	0
67	Divide	Madison	Sheridan	1979	7900	33.0	1.35	25	7	42	18
68	Divide	Red River	Sheridan	1987	11398	35.4	0.00	14	0	0	0
69	Dooley	Ratcliffe	Sheridan	1987	6451	28.0	0.00	0	0	0	0
70	Dutch John Coulee	Sunburst	Toole	1985	2040	48.0	1.20	12	21	30	9
71	Dwyer	Nisku	Sheridan	1987	9120	43.0	0.00	0	0	0	0
72	Dwyer	Red River	Sheridan	1982	11552	35.0	0.00	0	0	0	0
73	Dwyer Non Unit	Ratcliffe	Sheridan	1960	8000	33.2	0.00	0	0	0	0
74	Dwyer Unit	Charles	Sheridan	1960	8000	37.0	1.32	38	11	56	16
75	Eagle	Duperow/Bakken	Richland	1980	10696	40.0	0.00	24	0	0	0
76	Eagle	Madison	Richland	1977	8900	32.0	1.22	15	9	35	10
77	Elk Basin	Frontier	Carbon	1915	1400	28.9	0.00	0	0	0	0
78	Elk Basin	Madison	Carbon	1942	5300	28.0	1.12	224	12	9	35
79	Elk Basin	Tensleep	Carbon	1942	5000	29.0	1.16	124	11	10	27
80	Elk Basin, NW	Madison/Tensleep	Carbon	1964	6000	37.0	1.15	27	12	22	4
81	Enid, North	Red River	Richland	1979	11800	47.0	1.75	8	7	34	30
82	Fairview	Madison	Richland	1981	9520	34.0	1.60	45	4	51	18
83	Fairview NW Unit	Red River	Richland	1965	12700	47.7	0.00	0	0	0	0
84	Fairview Non Unit	Red River	Richland	1965	12700	47.0	1.70	35	11	28	22
85	Fairview, East	Madison	Richland	1994	9157	0.0	0.00	30	0	0	0
86	Fairview, East	Winnipegosis	Richland	1990	11590	36.8	0.00	7	8	30	0
87	Fairview, West	Madison	Richland	1980	9200	37.0	0.00	60	3	0	0
88	Fishhook	Red River	Sheridan	1980	11200	41.0	1.28	10	10	31	20
89	Flat Coulee Unit	Swift	Liberty	1933	2900	37.0	1.10	18	21	35	13
90	Flat Lake	Ratcliffe	Sheridan	1964	6500	33.0	1.26	14	15	45	25
91	Flat Lake, East	Red River	Sheridan	1984	6523	28.0	0.00	0	0	0	0
92	Fort Gilbert	Madison	Richland	1981	9200	35.0	1.30	30	6	55	8
93	Fort Gilbert	Red River	Richland	1970	12500	48.0	1.89	42	12	20	7
94	Four Mile Creek	Red River	Richland	1975	12500	47.0	1.50	35	15	35	7
95	Four Mile Creek, W.	Red River	Richland	1976	12500	45.0	1.30	15	13	40	15
96	Fred & George Creek	Sunburst	Toole	1963	2600	39.0	1.20	31	27	30	10
97	Frog Coulee	Red River	Richland	1979	11000	49.0	1.42	15	18	35	11
98	Froid, South	Red River	Roosevelt	1970	12100	48.0	1.55	12	17	25	11
99	Gas City	Red River/Madison	Dawson	1955	8900	38.0	1.28	25	12	35	28
100	Girard	Red River	Richland	1985	11850	43.6	0.00	8	0	9	0
101	Glendive	Siluro/Ord.	Dawson	1952	8900	38.0	1.24	147	8	35	13
102	Goose Lake	Ratcliffe	Sheridan	1962	7000	34.0	1.20	40	16	55	5
103	Goose Lake	Red River	Sheridan	1980	11063	0.0	0.00	0	0	0	0
104	Goose Lake, West	Red River	Sheridan	1981	11500	39.0	0.00	29	0	0	0
105	Gossett	Madison	Richland	1979	9550	31.0	0.00	0	0	0	0
106	Gossett	Red River	Richland	1983	12331	44.6	0.00	11	0	0	0
107	Gray Blanket	Tensleep	Big Horn	1991	6115	22.0	1.05	9	18	18	16
108	Green Coulee	Red River	Sheridan	1981	11100	32.0	1.40	18	15	56	5
109	Gunsight	Madison	Roosevelt	1980	9550	36.0	0.00	0	0	0	0
110	Hawk Haven	Mission Canyon	Richland	1994	9144	30.6	0.00	62	0	0	0
111	Hay Creek	Mission Canyon	Richland	1969	9600	39.0	1.15	40	5	0	8
112	Hay Creek	Siluro/Ord.	Richland	1969	12600	46.0	1.90	53	12	30	9
113	Hiawatha	Tyler	Musselshell	1967	5000	33.0	1.15	34	12	25	20
114	High Five	Tyler	Rosebud	1976	5600	33.0	1.15	20	20	0	14
115	Howard Coulee	Tyler	Musselshell	1974	3498	31.0	0.00	0	0	0	0
116	Intake II	Ratcliffe	Richland	1982	9200	32.3	0.00	10	13	43	0
117	Ivanhoe	Morrison	Musselshell	1960	4135	33.0	1.10	11	15	40	7
118	Ivanhoe	Tyler	Musselshell	1956	4100	33.0	1.08	29	15	20	31
119	Jim Coulee Unit	Tyler	Musselshell	1971	3700	33.0	1.10	37	15	33	3
120	Katy Lake	Red River	Sheridan	1984	11523	0.0	0.00	11	0	0	0
121	Katy Lake, North	Mission Canyon	Sheridan	1981	8056	35.0	1.34	18	18	57	30
122	Katy Lake, North	Nesson	Sheridan	1981	7798	34.0	1.50	20	12	31	9
123	Katy Lake, North	Red River	Sheridan	1979	11300	46.0	1.42	19	15	30	28
124	Keg Coulee Tyler SU	Tyler	Musselshell	1960	4600	33.0	1.00	19	14	32	26
125	Kevin East Nisku Oil	Nisku	Toole	1984	3000	39.0	1.10	7	9	30	48
126	Kincheloe Ranch, W.	Tyler Non Unit	Rosebud	1980	5344	38.0	0.00	18	0	0	0
127	Kincheloe Ranch, W.	Tyler Unit	Rosebud	1979	5500	32.1	1.10	8	13	40	86
128	Lambert	Red River	Richland	1980	12200	44.0	0.00	7	13	40	0
129	Landslide Butte	Madison/Sun River	Glacier	1967	4700	41.0	0.00	24	0	0	0
130	Leary	Muddy	Powder River	1969	5800	41.0	1.15	7	17	33	33

SUMMARY OF PRODUCING OIL FIELDS —1995

WATER	RECOVERY FACTOR %		PRO- DUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1995 PRODUCTION		CUMUL. PROD. 1-95 (M BBLs)	RE- SERVES (M BBLs)	LINE NO.
	PRIM.	SECND.		M BBLs	BBLs/AC	PRIM. (M BBLs)	SECOND. (M BBLs)	TOTAL (M BBLs)	BBLs/ ACRE	BBLs/ ACRE FT.	BBLs	BOPD			
0	0	0	640	0	0	0	0	0	0	0	30657	84	991	129	66
42	18	0	2240	13066	5833	2400	0	2400	1071	43	54716	150	2003	397	67
0	0	0	1280	0	0	0	0	0	0	0	60426	166	641	348	68
0	0	0	640	0	0	0	0	0	0	0	16715	46	284	39	69
30	9	0	200	2281	11405	210	0	210	1050	88	5827	16	194	16	70
0	0	0	160	0	0	0	0	0	0	0	5210	14	54	7	71
0	0	0	1600	0	0	0	0	0	0	0	55756	153	1529	475	72
0	0	0	1440	0	0	0	0	0	0	0	4880	13	550	18	73
56	16	5	2960	31996	10809	5150	1600	6750	2280	60	30791	84	6561	189	74
0	0	0	320	0	0	0	0	0	0	0	6134	17	157	18	75
35	10	0	3040	16963	5579	1640	0	1640	539	36	34144	94	1548	92	76
0	0	0	520	0	0	0	0	0	0	0	8871	24	1727	21	77
9	35	0	1080	182989	169434	63590	0	63590	58880	263	234924	644	58896	4694	78
0	27	0	1400	114941	82100	31120	0	31120	22229	179	296012	811	24507	6613	79
22	4	3	2080	35461	17048	1490	1060	2550	1226	45	64739	177	2161	389	80
44	30	0	960	1573	1638	470	0	470	490	61	17251	47	371	99	81
51	18	0	960	4106	4277	720	0	720	750	17	24038	66	572	148	82
0	0	0	2240	0	0	0	0	0	0	0	52291	143	637	405	83
28	22	0	2880	36432	12650	7990	0	7990	2774	79	36054	99	7839	151	84
0	0	0	320	0	0	0	0	0	0	0	7023	19	8	31	85
30	0	0	320	0	0	0	0	0	0	0	3679	10	45	20	86
0	0	0	640	0	0	0	0	0	0	0	65051	178	314	233	87
31	20	0	1280	5353	4182	1080	0	1080	844	84	15213	42	971	109	88
35	13	0	640	11090	17328	1480	0	1480	2313	129	65760	180	913	567	89
45	25	0	9600	68270	7111	17300	0	17300	1802	129	145338	398	16317	983	90
0	0	0	160	0	0	0	0	0	0	0	10851	30	121	220	91
55	8	0	2240	10828	4833	920	0	920	411	14	22575	62	891	29	92
20	7	0	1280	21185	16550	1520	0	1520	1188	28	12870	35	1469	51	93
35	7	0	320	5648	17650	420	0	420	1313	38	6114	17	407	13	94
40	15	0	640	4469	6982	680	0	680	1063	71	23886	65	380	300	95
30	10	14	1480	56060	37878	5672	7848	13520	9135	295	39143	107	13320	200	96
35	11	0	320	3068	9587	340	0	340	1063	71	13724	38	224	116	97
25	11	0	320	2451	7659	260	0	260	813	68	4283	12	255	5	98
45	28	5	2800	33093	11818	9280	1650	10930	3904	156	70620	193	10342	588	99
9	0	0	320	0	0	0	0	0	0	0	19172	53	115	158	100
45	13	0	2400	114778	47824	15220	0	15220	6342	43	129440	355	13564	1656	101
55	5	3	6880	128100	18619	6170	3840	10010	1455	36	88473	242	9296	714	102
0	0	0	640	0	0	0	0	0	0	0	34939	96	286	312	103
0	0	0	960	0	0	0	0	0	0	0	14355	39	594	152	104
0	0	0	320	0	0	0	0	0	0	0	3590	10	74	15	105
0	0	0	640	0	0	0	0	0	0	0	9066	25	252	38	106
8	16	0	160	1570	9812	250	0	250	1563	174	25487	70	162	88	107
66	5	0	640	4213	6582	210	0	210	328	18	4792	13	198	12	108
0	0	0	480	0	0	0	0	0	0	0	18699	51	317	176	109
0	0	0	320	0	0	0	0	0	0	0	5347	15	18	12	110
0	8	0	320	4317	13490	330	0	330	1031	26	7294	20	310	20	111
30	9	0	960	17451	18178	1530	0	1530	1594	30	43230	118	1169	361	112
25	20	0	400	8257	20642	1690	0	1690	4225	124	9598	26	1639	51	113
0	14	0	960	25905	26984	3590	0	3590	3740	187	66127	181	2686	904	114
0	0	0	160	0	0	0	0	0	0	0	5783	16	181	31	115
3	0	0	320	0	0	0	0	0	0	0	20627	57	171	67	116
40	7	0	80	559	6987	40	0	40	500	45	2843	8	23	17	117
20	31	0	600	14999	24998	4720	0	4720	7867	271	16768	46	4572	148	118
33	3	6	1920	50353	26225	1350	2880	4230	2203	60	24252	66	4119	111	119
0	0	0	320	0	0	0	0	0	0	0	7869	22	184	29	120
7	30	0	800	6453	8066	1920	0	1920	2400	133	47845	131	1372	548	121
11	9	0	160	1370	8562	130	0	130	813	41	5058	14	88	42	122
30	28	0	1920	20927	10899	5790	0	5790	3016	159	128275	351	3695	2095	123
22	26	3	1520	21330	14032	5640	640	6280	4132	217	15758	43	6170	110	124
30	48	0	560	1742	3110	830	0	830	1482	212	44530	122	503	327	125
0	0	0	80	0	0	0	0	0	0	0	5259	14	188	30	126
40	86	0	200	880	4400	760	0	760	3800	475	11411	31	751	9	127
40	0	0	1280	0	0	0	0	0	0	0	7200	20	499	22	128
0	0	0	520	0	0	0	0	0	0	0	29630	81	521	108	129
33	33	0	400	2151	5377	700	0	700	1750	250	8059	22	668	32	130

SUMMARY OF PR

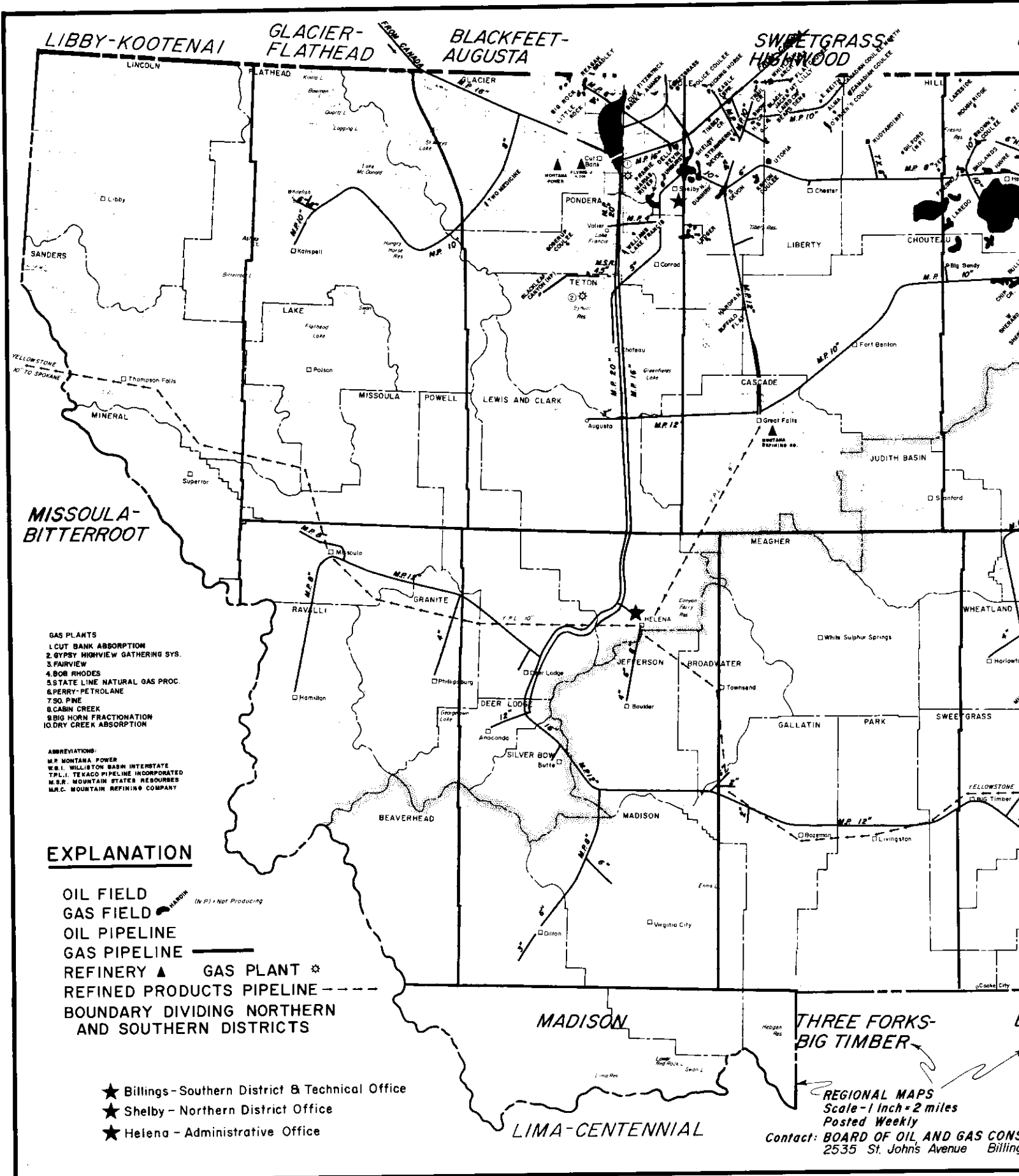
LINE NO.	PRODUCING FIELD	FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	POROSITY(%)	% WATER	RECOVERY FACTOR %	
											PRIM.	SECD.
131	Little Beaver Unit	Red River	Fallon	1952	8300	29.0	1.29	37	12	35	6	10
132	Little Beaver, East	Mission Canyon	Fallon	1993	6772	31.5	0.00	4	0	0	0	0
133	Little Beaver, East	Red River	Fallon	1954	8300	30.0	1.50	24	13	35	42	0
134	Little Wall Creek	Tyler/Stensvad	Musselshell	1970	3700	33.0	1.10	40	15	33	19	0
135	Lodge Grass	Tensleep	Big Horn	1964	6520	22.0	1.16	15	15	34	6	0
136	Lone Butte	Madison	Richland	1987	9146	38.0	0.00	13	0	0	0	0
137	Lone Butte	Red River	Richland	1974	12544	45.0	1.70	14	11	30	16	0
138	Lonetree Creek	Red River/Gunton	Richland	1970	12500	47.0	1.86	19	11	30	24	0
139	Long Creek, West	Nisku	Roosevelt	1977	7700	39.0	1.25	24	16	20	16	0
140	Lookout Butte	Red River/Madison	Fallon	1961	8900	33.0	1.15	15	15	25	5	19
141	Lookout Butte, East	Red River	Fallon	1984	9300	31.3	0.00	0	0	0	0	0
142	Lowell	Red River	Sheridan	1979	11300	35.0	0.00	7	8	45	0	0
143	Lustre	Madison	Valley	1982	7200	33.0	1.19	27	16	45	5	0
144	Mason Lake	Amsden/Cat Creek	Musselshell	1964	4200	47.0	1.10	12	15	43	13	0
145	McCabe	Ratcliffe	Roosevelt	1973	8700	37.0	1.50	20	13	40	8	0
146	McCoy Creek	Red River	Sheridan	1985	10370	36.0	0.00	0	0	0	0	0
147	Medicine Lake	Duperow	Sheridan	1980	10300	44.0	0.00	11	0	49	0	0
148	Medicine Lake	Siluro/Ord.	Sheridan	1984	11319	43.5	1.55	38	9	35	10	0
149	Melstone	Tyler	Musselshell	1948	4400	34.0	1.09	25	15	30	27	0
150	Midfork	Charles	Valley	1985	7174	38.3	0.00	0	0	0	0	0
151	Midfork	Nisku	Valley	1990	7200	45.6	0.00	4	0	0	0	0
152	Mona	Red River	Richland	1982	11300	60.0	2.30	18	14	33	8	0
153	Monarch Non Unit	Siluro/Ord.	Fallon	1958	8400	0.0	0.00	0	0	0	0	0
154	Monarch Unit	Siluro/Ord.	Fallon	1958	8400	32.0	1.00	31	7	35	2	4
155	Mondak West	Devonian	Richland	1979	10600	41.4	1.50	8	10	25	30	0
156	Mondak West	Madison	Richland	1976	9200	30.0	1.30	100	4	60	5	0
157	Mondak West	Siluro/Ord.	Richland	1976	12200	48.0	1.64	45	10	43	16	0
158	Mustang	Bakken	Richland	1994	10565	44.0	0.00	0	0	0	0	0
159	Mustang	Madison	Richland	1988	9200	33.7	0.00	0	0	0	0	0
160	Mustang	Red River	Richland	1979	12500	47.0	1.41	17	12	0	8	0
161	Neisser Creek	Red River	Sheridan	1982	10900	46.0	2.00	15	17	21	20	0
162	Nielsen Coulee	Madison	Daniels	1992	6266	39.5	0.00	15	12	0	0	0
163	Nohly	Nisku	Richland	1983	10700	38.0	1.30	15	11	39	77	0
164	Nohly	Red River	Richland	1972	12900	46.0	1.43	27	10	40	24	0
165	Nohly Area	Ratcliffe	Richland	1984	9444	32.0	1.23	17	10	57	37	0
166	North Fork	Madison	Richland	1977	9500	35.0	1.37	18	3	70	47	0
167	Ollie	Red River	Fallon	1980	10200	36.0	0.00	56	10	35	0	0
168	Otis Creek	Ratcliffe	Richland	1993	8900	35.0	0.00	0	0	0	0	0
169	Outlook, West	Winnipegosis	Sheridan	1958	9100	39.0	1.12	16	8	30	42	0
170	Oxbow	Red River	Roosevelt	1978	12600	47.0	1.50	18	12	45	32	0
171	Oxbow Area	Nisku	Roosevelt	1993	10653	38.8	1.36	6	22	25	79	0
172	Palomino	Nisku	Roosevelt	1980	7500	48.0	1.15	39	16	20	13	0
173	Pennel	Siluro/Ord.	Fallon	1955	7000	31.0	1.10	38	3	30	63	11
174	Pine	Red River	Fallon/Wibaux	1952	8400	34.0	1.17	32	12	30	18	23
175	Pondera	Madison/Sun River	Pondera	1927	2100	34.0	1.20	15	16	31	17	0
176	Poplar, East	Heath	Roosevelt	1969	4900	38.0	1.10	8	11	50	28	0
177	Poplar, East	Madison	Roosevelt	1952	5500	40.0	1.10	25	11	30	19	0
178	Poplar, Northwest	Madison	Roosevelt	1952	6300	40.0	1.10	16	10	45	13	0
179	Pronghorn	Red River	Sheridan	1983	10580	40.0	1.30	17	13	54	5	0
180	Putnam	Interlake	Richland	1969	11900	41.0	1.75	16	9	30	13	0
181	Putnam	Madison	Richland	1978	9500	34.0	1.42	92	6	35	1	0
182	Putnam	Red River	Richland	1969	11900	41.0	1.75	16	9	30	22	0
183	Rabbit Hills	Sawtooth	Blaine	1972	4000	21.0	1.15	12	18	16	32	0
184	Ragged Point	Tyler	Musselshell	1956	3600	32.0	1.11	13	14	32	25	10
185	Rattler Butte	Tyler	Rosebud	1975	5300	35.0	1.10	25	12	60	65	0
186	Rattlesnake Butte	Cat Creek/Amsden	Petroleum	1984	2732	27.7	1.10	26	21	70	19	0
187	Raymond	Nisku	Sheridan	1972	7900	50.0	1.40	22	9	0	14	0
188	Raymond	Red River	Sheridan	1972	10000	39.0	1.42	33	12	10	6	0
189	Raymond	Winnipegosis	Sheridan	1972	9300	42.0	1.17	40	5	27	20	0
190	Reagan	Madison	Glacier	1947	3700	38.0	1.10	11	12	30	46	14
191	Red Bank	Madison	Roosevelt	1980	13000	31.0	2.00	16	14	11	5	0
192	Red Bank, South	Red River	Roosevelt	1981	13000	44.0	1.60	17	17	30	12	0
193	Red Creek Unit	Cut Bank/Madison	Glacier	1958	2600	31.0	1.08	20	19	30	26	2
194	Red Water, East	Red River	Richland	1983	12025	47.0	1.40	20	11	40	12	0
195	Refuge	Red River	Sheridan	1979	11300	44.0	1.69	13	5	30	37	0
196	Reserve	Red River	Sheridan	1966	11100	39.0	1.30	18	6	30	26	0

RY OF PRODUCING OIL FIELDS —1995

RECOVERY FACTOR %		PRO-DUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1995 PRODUCTION		CUMUL. PROD. 1-95 (M BBLs)	RE-SERVES (M BBLs)	LINE NO.
PRIM.	SECND.		M BBLs	BBLs/AC	PRIM. (M BBLs)	SECONd. (M BBLs)	TOTAL (M BBLs)	BBLs/ ACRE	BBLs/ ACRE FT.	BBLs	BOPD			
6	10	4960	86087	17356	4940	8850	13790	2780	75	245146	672	11758	2032	131
0	0	160	0	0	0	0	0	0	0	8484	23	42	53	132
42	0	1600	16782	10488	7010	0	7010	4381	183	94736	260	6195	815	133
19	0	1120	31754	28351	5910	0	5910	5277	132	133992	367	4827	1083	134
6	0	640	6356	9931	400	0	400	625	42	7284	20	353	47	135
0	0	640	0	0	0	0	0	0	0	7047	19	71	15	136
16	0	960	4723	4919	760	0	760	792	57	15533	43	679	81	137
24	0	3200	19527	6102	4660	0	4660	1456	77	157745	432	3944	716	138
16	0	320	6101	19065	950	0	950	2969	124	20933	57	773	177	139
5	19	13120	149358	11383	7380	28380	35760	2726	182	523293	1434	26636	9124	140
0	0	15680	0	0	0	0	0	0	0	506013	1386	2142	1557	141
0	0	960	0	0	0	0	0	0	0	8517	23	110	61	142
5	0	8000	123919	15489	6230	0	6230	779	29	165538	454	5317	913	143
13	0	1040	7526	7236	1010	0	1010	971	81	4676	13	992	18	144
8	0	480	3873	8068	300	0	300	625	31	5103	14	260	40	145
0	0	160	0	0	0	0	0	0	0	3396	9	46	13	146
0	0	480	0	0	0	0	0	0	0	20110	55	216	61	147
10	0	1600	17802	11126	1760	0	1760	1100	29	51331	141	1501	259	148
27	0	800	14947	18683	4020	0	4020	5025	201	35786	98	3864	156	149
0	0	1120	0	0	0	0	0	0	0	73312	201	395	122	150
0	0	160	0	0	0	0	0	0	0	9552	26	48	38	151
8	0	320	1822	5693	150	0	150	469	26	5805	16	138	12	152
0	0	2080	0	0	0	0	0	0	0	141841	389	1025	1273	153
2	4	2720	29764	10942	690	1190	1880	691	22	30000	82	1627	253	154
30	0	320	993	3103	300	0	300	938	117	15290	42	238	62	155
5	0	10880	103886	9548	5620	0	5620	517	5	82553	226	5318	302	156
16	0	3200	38828	12133	6360	0	6360	1988	44	181867	498	4941	1419	157
0	0	160	0	0	0	0	0	0	0	6995	19	20	24	158
0	0	160	0	0	0	0	0	0	0	5882	16	58	31	159
8	0	960	10775	11223	810	0	810	844	50	26040	71	673	137	160
20	0	320	2501	7815	500	0	500	1563	104	13860	38	314	186	161
0	0	320	0	0	0	0	0	0	0	37484	103	184	57	162
77	0	800	4805	6006	3720	0	3720	4650	310	108568	297	3145	575	163
24	0	960	8437	8788	2020	0	2020	2104	78	32801	90	1832	188	164
37	0	1760	8115	4610	3030	0	3030	1722	101	187499	514	1304	1726	165
47	0	960	881	917	410	0	410	427	24	13135	36	391	19	166
0	0	160	0	0	0	0	0	0	0	4495	12	152	26	167
0	0	160	0	0	0	0	0	0	0	9175	25	28	50	168
42	0	480	2979	6206	1250	0	1250	2604	163	31344	86	900	350	169
32	0	320	1966	6143	630	0	630	1969	109	14363	39	472	158	170
79	0	160	904	5650	710	0	710	4438	740	96022	263	290	420	171
13	0	800	26941	33676	3480	0	3480	4350	112	118131	324	2346	1134	172
63	11	28960	162989	5628	101920	18000	119920	4141	109	2247755	6158	90348	29572	173
18	23	16480	293731	17823	53140	67500	120640	7320	229	866978	2375	112962	7678	174
17	0	15600	167014	10706	27560	0	27560	1767	118	223583	613	26881	679	175
28	0	480	1490	3104	410	0	410	854	107	8752	24	345	65	176
19	0	18070	245327	13576	46870	0	46870	2594	104	119531	327	45636	1234	177
13	0	5440	33763	6206	4390	0	4390	807	50	92248	253	4019	371	178
5	0	1280	7765	6066	350	0	350	273	16	6731	18	318	32	179
13	0	1280	5720	4468	750	0	750	586	37	29608	81	692	58	180
1	0	1600	31364	19602	270	0	270	169	2	40018	110	63	207	181
22	0	4160	18589	4468	4030	0	4030	969	61	12782	35	3947	83	182
32	0	800	9792	12240	3100	0	3100	3875	323	114822	315	1636	1464	183
25	10	1440	12456	8650	3120	1250	4370	3035	233	37537	103	4177	193	184
65	0	240	2031	8462	1310	0	1310	5458	218	48797	134	1079	231	185
19	0	320	3697	11553	700	0	700	2188	84	20078	55	584	116	186
14	0	640	7022	10971	960	0	960	1500	68	17856	49	896	64	187
6	0	960	18693	19471	1050	0	1050	1094	33	11425	31	1012	38	188
20	0	960	9294	9681	1840	0	1840	1917	48	50983	140	1607	233	189
46	14	2600	16943	6516	7810	2300	10110	3888	353	106193	291	9389	721	190
5	0	5120	39594	7733	1940	0	1940	379	24	56923	156	1650	290	191
12	0	320	3139	9809	390	0	390	1219	72	6951	19	368	22	192
26	2	1410	26942	19107	7040	540	7580	5376	269	114420	313	6596	984	193
12	0	320	2341	7315	290	0	290	906	45	8092	22	262	28	194
37	0	320	668	2087	250	0	250	781	60	6915	19	233	17	195
26	0	1600	7219	4511	1860	0	1860	1163	65	80684	221	1800	60	196

SUMMARY OF PRODUCING OIL FIELDS —1995

WELL NO.	RECOVERY FACTOR %		PRO-DUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1995 PRODUCTION		CUMUL. PROD. 1-95 (M BBLs)	RE-SERVES (M BBLs)	LINE NO.
	PRIM.	SECND.		M BBLs	BBLs/AC	PRIM. (M BBLs)	SECOND. (M BBLs)	TOTAL (M BBLs)	BBLs/ACRE	BBLs/ACRE FT.	BBLs	BOPD			
10	0		1600	16757	10473	1740	0	1740	1088	40	107219	294	720	1020	197
15	0		4480	23858	5325	3500	0	3500	781	14	57221	157	3317	183	198
41	0		1600	7644	4777	3120	0	3120	1950	130	57632	158	2692	428	199
0	0		320	0	0	0	0	0	0	0	25411	70	141	115	200
18	0		800	5147	6433	950	0	950	1188	85	31032	85	735	215	201
18	0		320	1762	5506	320	0	320	1000	83	8403	23	273	47	202
16	0		640	3889	6076	610	0	610	953	50	11263	31	537	73	203
19	0		200	2915	14575	560	0	560	2800	88	10378	28	523	37	204
19	0		320	2012	6287	380	0	380	1188	26	7389	20	336	44	205
49	0		320	1437	4490	700	0	700	2188	156	14589	40	647	53	206
9	0		640	5443	8504	480	0	480	750	33	5744	16	468	12	207
0	0		160	0	0	0	0	0	0	0	26730	73	131	187	208
30	0		480	2793	5818	840	0	840	1750	135	44304	121	504	336	209
14	0		1600	10427	6516	1410	0	1410	881	29	16173	44	1329	81	210
0	0		640	0	0	0	0	0	0	0	17736	49	380	17	211
6	0		7040	50415	7161	3060	0	3060	435	7	31133	85	3026	34	212
7	0		640	5301	8282	390	0	390	609	20	10911	30	351	39	213
16	0		2560	27337	10678	4340	0	4340	1695	42	86029	236	3737	603	214
9	0		1920	21705	11304	1860	0	1860	969	57	34806	95	1615	245	215
2	0		1920	29493	15360	670	0	670	349	8	30869	85	564	106	216
6	0		4480	68817	15360	4410	0	4410	984	22	92337	253	3868	542	217
18	0		1240	17866	14408	3240	0	3240	2613	131	39207	107	2796	444	218
17	0		120	1335	11125	230	0	230	1917	128	7253	20	183	47	219
53	0		160	170	1062	90	0	90	563	94	6255	17	36	54	220
1	0		960	33589	34988	290	0	290	302	7	13481	37	237	53	221
16	0		480	2701	5627	420	0	420	875	51	18638	51	264	156	222
6	0		640	7277	11370	450	0	450	703	18	12361	34	342	108	223
44	14		960	17824	18566	7850	2500	10350	10781	431	16367	45	10236	114	224
27	7		5520	136779	24778	36430	9540	45970	8328	278	204752	561	45280	690	225
0	0		160	0	0	0	0	0	0	0	8160	22	32	25	226
8	0		1760	9467	5378	780	0	780	443	28	12603	35	722	58	227
0	0		320	0	0	0	0	0	0	0	27960	77	101	126	228
0	0		640	0	0	0	0	0	0	0	22128	61	450	155	229
46	0		1280	18487	14442	8590	0	8590	6711	268	39796	109	8304	286	230
42	0		320	4913	15353	2060	0	2060	6438	215	3687	10	2043	17	231
56	0		480	1787	3722	1000	0	1000	2083	260	9880	27	874	126	232
7	1		960	10569	11009	739	71	810	844	50	19643	54	739	71	233
0	0		960	0	0	0	0	0	0	0	26166	72	696	156	234
14	0		3360	19811	5896	2780	0	2780	827	21	107841	295	2219	561	235
9	0		2240	20071	8960	1820	0	1820	813	34	21340	58	1746	74	236
53	0		800	8689	10861	4640	0	4640	5800	414	73503	201	3503	1137	237
29	0		480	3527	7347	1010	0	1010	2104	140	46544	128	356	654	238
47	0		960	2749	2863	1300	0	1300	1354	226	33003	90	1192	108	239
50	0		320	2056	6425	1020	0	1020	3188	266	9513	26	975	45	240
0	0		120	0	0	0	0	0	0	0	12375	34	324	54	241
13	0		3120	41127	13181	5520	0	5520	1769	118	27348	75	5488	32	242
55	0		160	742	4637	410	0	410	2563	214	4615	13	395	15	243
28	0		480	4357	9077	1200	0	1200	2500	208	20739	57	1193	7	244
20	26		240	2559	10662	520	670	1190	4958	413	19085	52	959	231	245
63	0		2080	7664	3684	4850	0	4850	2332	212	14182	39	4804	46	246
18	0		960	5107	5319	900	0	900	938	63	7106	19	880	20	247
19	0		560	7603	13576	1430	0	1430	2554	102	14567	40	1267	163	248
30	0		640	2979	4654	880	0	880	1375	229	24716	68	656	224	249
5	0		320	2809	8778	140	0	140	438	24	3427	9	137	3	250
											852335	2335		43	251
											16,525,824	45,276		141,213	252



- GAS PLANTS**
- 1. CUT BANK ABSORPTION
 - 2. GYPSY HIGHVIEW GATHERING SYS.
 - 3. FAIRVIEW
 - 4. BOB RHODES
 - 5. STATE LINE NATURAL GAS PROC.
 - 6. PERRY-PETROLANE
 - 7. SO. PINE
 - 8. CABIN CREEK
 - 9. BIG HORN FRACTIONATION
 - 10. DRY CREEK ABSORPTION

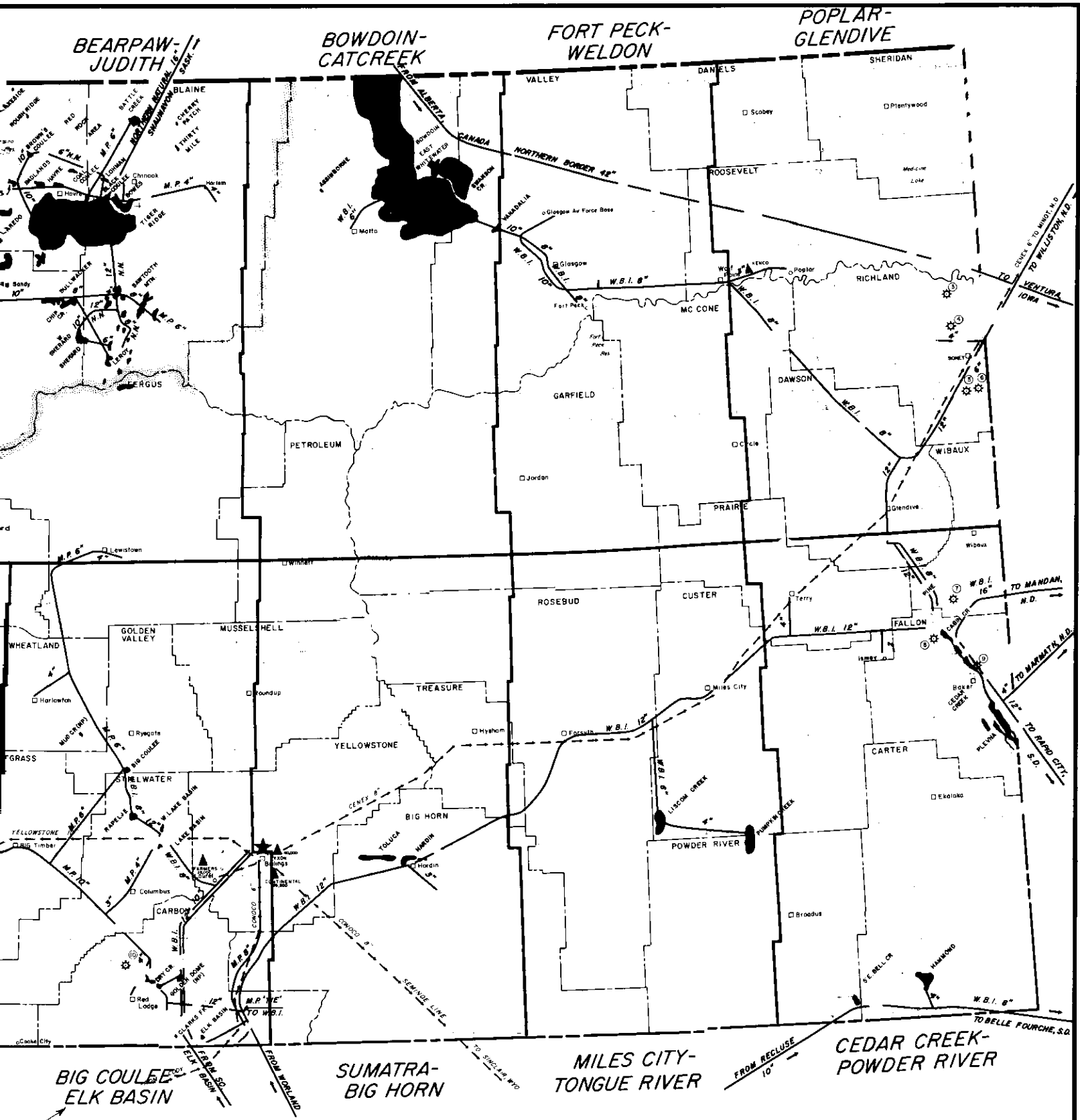
- ABBREVIATIONS:**
- M.P. MONTANA POWER
 - W.B.I. WILLISTON BASIN INTERSTATE
 - T.P.L. TEKACO PIPELINE INCORPORATED
 - M.S.R. MOUNTAIN STATES RESOURCES
 - M.R.C. MOUNTAIN REFINING COMPANY

EXPLANATION

- OIL FIELD
- GAS FIELD
- OIL PIPELINE
- GAS PIPELINE
- REFINERY
- GAS PLANT
- REFINED PRODUCTS PIPELINE
- BOUNDARY DIVIDING NORTHERN AND SOUTHERN DISTRICTS

- ★ Billings - Southern District & Technical Office
- ★ Shelby - Northern District Office
- ★ Helena - Administrative Office

REGIONAL MAPS
 Scale - 1 inch = 2 miles
 Posted Weekly
 Contact: BOARD OF OIL AND GAS CONS.
 2535 St. John's Avenue Billings



MONTANA
OIL AND GAS FIELDS, PIPELINES AND REFINERIES
 1987

ERA	PERIOD	SOUTHWEST MONTANA (GENERALIZED)	CRAZY MOUNTAINS BASIN	CENTRAL MONTANA		BIG HORN BASIN		
CENOZOIC	TERTIARY	ROOFMAN GP SIXMILE CREEK FM RENOVA FM SPHINK CGB	TONGUE RIVER MBR LEBO MBR TULLOCK MBR			LONGUE RIVER MBR LEBO MBR TULLOCK MBR		
	MESOZOIC	UPPER CRETACEOUS	ELKHORN MOUNTAINS UNDIVIDED BEAVERHEAD FM MONTANA GP UNDIVIDED LIVINGSTON GP EAGLE FM (VIRGELLE MBR) TELEGRAPH CK FM CODDY SH FRONTIER FM MOWRY SH MUDDY SS THERMOPHOS (RUSTY BLD MBR) KOOTENAI FM	HELL CREEK FM LITNER FM HARPFAW FM JUDITH RIVER FM CLAGGET FM EAGLE FM (VIRGELLE MBR) TELEGRAPH CK FM NIOBHARA FM CARLILE FM FRONTIER FM BELLE FOURCHE FM BIG ELK SS MOWRY FM MUDDY SS SKULL CK SH DAKOTA SILT DAKOTA FM KOOTENAI FM	HELL CREEK FM FOX HILLS FM HARPFAW FM JUDITH RIVER FM CLAGGET FM FAGLE FM (VIRGELLE SS) TELEGRAPH CK FM NIOBHARA FM CARLILE FM FRONTIER FM GREENHORN FM BELLE FOURCHE FM BIG ELK SS MOWRY FM MUDDY SS SKULL CK SH DAKOTA SILT DAKOTA FM KOOTENAI FM KOOTENAI FM (2nd CAT CREEK) (3rd CAT CREEK)		LONGUE RIVER MBR LEBO MBR TULLOCK MBR ANCE FM LENNEL FM MELTUS FM JUDITH RIVER FM PARKMAN SS CLAGGET FM FAGLE FM (VIRGELLE SS) TELEGRAPH CK FM CODDY FM TORCHLIGHT SS FRONTIER FM PEAY SS MOWRY FM MUDDY SST SKULL CK SH DAKOTA SILT DAKOTA FM GREYBULL SS KOOTENAI FM LAKOTA FM	CLARK'S FK. ELK BASIN & NW. LINE CK
LOWER CRETACEOUS		COLONADO GP UNDIVIDED MORRISON FM SWIFT FM RIERDON FM SAWTOOTH FM	MORRISON FM SWIFT FM RIERDON FM PIPER FM	MORRISON FM SWIFT FM RIERDON FM PIPER FM			MORRISON FM SUNDANCE FM UPPER MBR LOWER MBR GYPSUM SPRINGS FM	
	JURASSIC	ELLIS GP MORRISON FM SWIFT FM RIERDON FM SAWTOOTH FM	MORRISON FM SWIFT FM RIERDON FM PIPER FM	MORRISON FM SWIFT FM RIERDON FM PIPER FM			MORRISON FM SUNDANCE FM UPPER MBR LOWER MBR GYPSUM SPRINGS FM	
	TRIASSIC	THAYNE'S FM WOODSIDE FM DINWOODY FM	CHUGWATER FM DINWOODY FM	CHUGWATER FM DINWOODY FM		CHUGWATER FM DINWOODY FM		
PALEOZOIC	PERMIAN	SHEDDING FM PHOSPHORIA FM PARK CITY MBR	PHOSPHORIA FM	PHOSPHORIA FM		PHOSPHORIA FM	FLK BASIN	
	PENNSYLVANIAN	QUADRANT FM AMSDEN GP	QUADRANT FM AMSDEN GP	TENSLEEP FM AMSDEN GP (ALASKA BENCH) TYLER FM		TENSLEEP FM AMSDEN FM DARWIN SS	FLK BASIN NW ELK BASIN FRANNIE FLK BASIN	
	MISSISSIPPIAN	B-C SNOWY GP MISSION CANYON LS LODGEPOLE LS SAPPINGTON MBR THREE FORKS FM JEFFERSON FM MAYWOOD FM	MISSION CANYON LS LODGEPOLE LS SAPPINGTON MBR THREE FORKS FM BIRDSEAR FM? JEFFERSON FM MAYWOOD FM	CHARLES FM MISSION CANYON LS LODGEPOLE LS SAPPINGTON MBR THREE FORKS FM BIRDSEAR FM? JEFFERSON FM MAYWOOD FM	HEATH FM OTTEH FM KIRBY FM CHARLES FM MISSION CANYON LS LODGEPOLE LS HARKEN FM THREE FORKS FM BIRDSEAR FM? JEFFERSON FM MAYWOOD FM		ACE HIGH BASIN BIG GULLY BIG & (11) F WALL SHIFTO CK, DEVILS BASIN SHIFFY GUMBO RIDGE HEATH HIAWATHA HIGH IVF HOWARD C NUNJUN CK IVANHOE JIM C KFC C KELLY KINCHELOL MELSTONE MUSSI SHILL RAGGED PT RATTLER BUTTE ROSEBUD STENSVAD STUDHORSE SUMATHA TINDER BOX TIPPY BUTTES WAGON HOX WINNETT JCT	FLK BASIN, NW ELK BASIN, FRANNIE
	DEVONIAN	THREE FORKS FM JEFFERSON FM MAYWOOD FM	THREE FORKS FM BIRDSEAR FM? JEFFERSON FM MAYWOOD FM	THREE FORKS FM BIRDSEAR FM? JEFFERSON FM MAYWOOD FM		THREE FORKS FM JEFFERSON FM	FLK BASIN	
	SILURIAN							
	ORDOVICIAN	B-G HORN FM	B-G HORN FM	RED RIVER FM WINNIPIG FM		BEAHTOOTH SUIT FM LLIGHT DOL BIG HORN FM LANDRUM MBR	ELK BASIN	
	CAMBRIAN	RED LION FM PILGRIM FM PARK SH MEAGHER LS WOLSEY SH FLATHEAD SS	SNOWY RANGE FM PILGRIM FM PARK SH MEAGHER LS WOLSEY SH FLATHEAD SS	SNOWY RANGE FM PILGRIM FM PARK SH MEAGHER LS WOLSEY SH FLATHEAD SS	SNOWY RANGE FM PILGRIM FM PARK SH MEAGHER LS WOLSEY SH FLATHEAD SS		GROVELL CK FM GAILLATIN LS SNOWY HANGT PILGRIM FM GROSVENTRI GP FLATHEAD SS	
	PRECAMBRIAN	BEIT SUPERGROUP	BEIT SUPERGROUP	BEIT SUPERGROUP			PRE-BELT ROCKS	
		ARCHEAN	PHILIPPS METAMORPHIC AND IGNEOUS ROCKS					
			SOUTHWEST MONTANA (GENERALIZED)	CRAZY MOUNTAINS BASIN	CENTRAL MONTANA		BIG HORN BASIN	

GENERALIZED STRATIGRAPHY SHOWING P

	BIG HORN BASIN		SOUTH CENTRAL MONTANA		NORTHERN POWDER RIVER BASIN	
	<p>FORT UNION FM</p> <p>TONGUE RIVER MBR LEBO MBR TULLOCK MBR</p>				<p>FORT UNION FM</p> <p>WASATCH FM TONGUE RIVER MBR LEBO MBR TULLOCK MBR</p>	
	<p>MEIA VERDE GP</p> <p>LANCE FM L FNNFP FM MFFETSE FM</p>		<p>MONTANA GP</p> <p>HELL CREEK FM FOX HILLS FM BEARPAW FM</p>		<p>MONTANA GP</p> <p>HELL CREEK FM FOX HILLS FM BEARPAW FM</p>	
	<p>COLORADO GP</p> <p>JUDITH RIVER FM PARKMAN SS CLAGGET FM EAGLE FM (VIRGELLE SS) TELEGRAPH CK FM CODY FM TORCHLIGHT SS FRONTIER FM PLAY SS</p>	<p>• S. CLARK'S F.K. F.K. BASIN & NW. TINE CK</p>	<p>COLORADO GP</p> <p>JUDITH RIVER FM CLAGGET FM EAGLE FM (VIRGELLE SS) TELEGRAPH CK FM NIORARA FM CARILLE FM GREENHORN FM BELLE FOURCHE FM BIG LK SS MOWRY FM</p>	<p>• DRY CREEK, GOLDEN DOME, RAPELJE • LAKE BASIN & N., HAP'LUL • DRY CK, GOLDEN DOME, LAKE BASIN & N., RAPELJE • PARK CITY • LAKE BASIN • DRY CK, GOLDEN DOME, LAKE BASIN & N.</p>	<p>COLORADO GP</p> <p>JUDITH RIVER FM (PARKMAN SS) CLAGGET FM EAGLE FM (SHANNON SS) TELEGRAPH CK FM NIORARA FM CARILLE FM GREENHORN FM BELLE FOURCHE FM</p>	<p>• ASH CK • LISCOM CK, PUMPKIN CK</p>
	<p>COUNTRY GP</p> <p>MOWRY FM MUDDY SST SKULL CK SH DAKOTA SILT DAKOTA FM GREYBULL SS KOOTENAI FM LAKOTA FM</p>	<p>BELLY H. S. CLARK F.K. OF AN DOME, NW ELK BASIN, JACK CK, MACKAY DOME • CLARK'S FORK • MACKAY DOME, ROSCOE DOME • N. CLARK'S FORK</p>	<p>COUNTRY GP</p> <p>MUDDY SS SKULL CK SH DAKOTA SILT DAKOTA FM GREYBULL SS KOOTENAI FM LAKOTA FM</p>	<p>• CROOKED CK, LAUREL, MOSSER • DRY CK & W., GOLDEN DOME • DRY CK</p>	<p>COUNTRY GP</p> <p>MOWRY FM MUDDY SS SKULL CK SH DAKOTA SILT DAKOTA FM FUSON FM LAKOTA FM</p>	<p>• BELL CK, LEARY, ROUGH CK, WRIGHT CK • SE BELL CK, HAMMOND</p>
	<p>ELLIS GP</p> <p>MORRISON FM SUNDANCE FM UPPER MBR LOWER MBR GYPSUM SPRINGS FM</p>		<p>ELLIS GP</p> <p>MORRISON FM SWIFT FM RIFTON FM HIGHLR FM</p>		<p>ELLIS GP</p> <p>MORRISON FM SUNDANCE FM UPPER MBR LOWER MBR GYPSUM SPRINGS FM</p>	
	<p>CHUGWATER FM DINWOODY FM</p>		<p>CHUGWATER FM DINWOODY FM</p>		<p>CHUGWATER FM DINWOODY FM</p>	
	<p>PHOSPHORIA FM</p>	<p>• ELK BASIN</p>	<p>PHOSPHORIA FM</p>		<p>PHOSPHORIA FM MINNEKAHTA FM OPECHE FM</p>	
<p>HAWK CK. COLE CK, SUMATRA. A LITTLE WALL GUMBO RIDGE, HEATH, HA, HIGH LIT. LD C. INJUN CK. E. JIM C. AT G C K INCHLOL. ONE, MUSSELSHILL D. STENSVAD. PSE. SUMATRA. BOX. LITTES WAGON BOX. T JCT</p>	<p>TENSLEEP FM AMSDEN FM DARWIN SS</p>	<p>• ELK BASIN, NW ELK BASIN, FRANNIE • ELK BASIN</p>	<p>TENSLEEP FM AMSDEN FM</p>		<p>TENSLEEP FM AMSDEN FM MINNELUSA FM</p>	<p>• LOGG GRASS, SOAP CK, F SOAP CK, SNYDER • SOAP CK</p>
	<p>MADISON GROUP</p>	<p>• ELK BASIN, NW ELK BASIN, FRANNIE</p>	<p>MADISON GP</p> <p>CHARLES FM MISSION CANYON LS LODGEPOLE LS</p>		<p>MADISON LS</p>	<p>• SOAP CK</p>
	<p>THREE FORKS FM</p>	<p>• ELK BASIN</p>	<p>THREE FORKS FM</p>		<p>THREE FORKS FM</p>	
	<p>JEFFERSON FM</p>		<p>JEFFERSON FM</p>		<p>JEFFERSON FM</p>	
	<p>BEARTOOTH BUTTE FM</p>		<p>BEARTOOTH BUTTE FM</p>		<p>BEARTOOTH BUTTE FM</p>	
	<p>LEIGH DOG</p> <p>BIG HORN FM LANDER MBR</p>	<p>• ELK BASIN</p>	<p>LEIGH DOG</p> <p>BIG HORN FM LANDER MBR</p>		<p>LEIGH DOG</p> <p>STONY MTN FM RED RIVER FM WINNIPEG FM</p>	
	<p>GROVE CK FM GALLATIN LS SNOWY RANGE PILGRIM FM GROS VENTRE GP FLATHEAD SS</p>		<p>GROVE CK FM GALLATIN LS SNOWY RANGE PILGRIM FM GROS VENTRE GP FLATHEAD SS</p>		<p>GROVE CK FM GROS VENTRE GP FLATHEAD SS</p>	
	<p>PRE BELT ROCKS</p>		<p>PRE BELT ROCKS</p>		<p>PRE BELT ROCKS</p>	
	<p>BIG HORN BASIN</p>		<p>SOUTH CENTRAL MONTANA</p>		<p>NORTHERN POWDER RIVER BASIN</p>	

*SOME FIELDS OMITTED

GENERALIZED STRATIGRAPHIC CORRELATION CHART

SHOWING PRODUCING FORMATIONS* • OIL ✱ GAS

	NORTHERN POWDER RIVER BASIN	WILLISTON BASIN	NORTH CENTRAL MONTANA	
		FLAXVILLE FM	FLAXVILLE FM	
	MONTANA GP WASATCH FM TONGUE RIVER MBR LEBO MBR TULLOCK MBR	FORT UNION FM TONGUE RIVER MBR LEBO MBR TULLOCK MBR		
	MONTANA GP HELL CREEK FM FOX HILLS FM BEARPAW FM	MONTANA GP HELL CREEK FM FOX HILLS FM BEARPAW FM	HELL CREEK FM FOX HILLS FM BEARPAW FM	
E. RAPELJ	MONTANA GP JUDITH RIVER FM (PARKMAN SS) CLAGGET FM EAGLE FM (SHANNON SS)	MONTANA GP JUDITH RIVER FM CLAGGET FM EAGLE FM	JUDITH RIVER FM CLAGGET FM EAGLE FM	BROWN'S C. & E. BU RED ROCK, SAWTOO
AKE BASIN & N. RAPELJ	MONTANA GP TELEGRAPH CK FM NOBRARA FM CARLILE FM GREENHORN FM BELLE FOURCHE FM	MONTANA GP TELEGRAPH CK FM (S1) WHITE SPK NOBRARA FM CARLILE FM GREENHORN FM BELLE FOURCHE FM	TELEGRAPH CK FM NOBRARA FM CARLILE FM GREENHORN FM BELLE FOURCHE FM	BADLANDS, BA111 BROWN'S C. & E. BU COAL C. COAL MINE LAREDO, LEROY, LO SAWTOOTH MTN, SH
AKE BASIN & N	COLORADO GP MOWRY FM MUDDY SS SKULL CK SH DAKOTA SILT DAKOTA FM FUSON FM LAKOTA FM	COLORADO GP MOWRY FM MUDDY SS SKULL CK SH DAKOTA SILT DAKOTA FM KOOTENAI FM (USON) LAKOTA FM	MOWRY FM MUDDY SS SKULL CK SH DAKOTA SILT DAKOTA FM KOOTENAI FM	ASHFIELD, BOWDOIN CK, VANDALIA, WHITE ASHFRI D, BOWDOIN LORING & E. SPRING WHITEWATER & t. W
	MONTANA GP MORRISON FM SUNDANCE FM UPPER MBR LOWER MBR GYPSUM SPRINGS FM	MONTANA GP MORRISON FM SWIFT FM RIERDON FM PIPER FM BOYCE MBR FELDMOON MBR TAMMICK MBR NESSON FM RICHARD MBR DCE MBR	MORRISON FM SWIFT FM RIERDON FM	MORRISON FM SWIFT FM RIERDON FM
	MONTANA GP SPEARFISH FM	MONTANA GP SPEARFISH FM PINE SALT	SPEARFISH FM PINE SALT	
	MINNEAPOLIS FM PHOSPHORIA, MINNEAPOLIS FM OPECHE FM	MINNEAPOLIS FM PHOSPHORIA, MINNEAPOLIS FM OPECHE FM	MINNEAPOLIS FM OPECHE FM	
	MINNEAPOLIS FM TENSLEEP FM AMSDEN FM	MINNEAPOLIS FM TENSLEEP FM AMSDEN FM	MINNEAPOLIS FM TENSLEEP FM AMSDEN FM	
	MADISON GP MADISON FM	MADISON GP MADISON FM MISSION CANYON LS LODGEPOLE SS BAKKEN FM	MADISON FM MISSION CANYON LS LODGEPOLE SS BAKKEN FM	
	MADISON GP THREE FORKS FM	MADISON GP THREE FORKS FM	THREE FORKS FM	
	JEFFERSON GP JEFFERSON FM	JEFFERSON GP JEFFERSON FM BIRDFEAR (NISKU) FM DUPEROW FM SOURIS RIVER FM DAWSON BAY FM PHAIRI EVAPORITE WINNIPEGOSIS FM ASHFRN	JEFFERSON FM BIRDFEAR (NISKU) FM DUPEROW FM SOURIS RIVER FM	
	JEFFERSON GP INTERLAKI FM	JEFFERSON GP INTERLAKI FM STONEWALL	INTERLAKI FM STONEWALL	
	JEFFERSON GP STONY MTN FM BIG HORN FM RED RIVER FM WINNIPEG FM	JEFFERSON GP STONY MTN FM QUINTON MBR FM STOUGHTON MBR FM RED RIVER FM WINNIPEG FM	STONY MTN FM QUINTON MBR FM STOUGHTON MBR FM RED RIVER FM WINNIPEG FM	
	JEFFERSON GP GROVE CK FM GROSVENOR FM FLATHAD SS	JEFFERSON GP GROVE CK FM GROSVENOR FM DEADWOOD FM	GROVE CK FM GROSVENOR FM DEADWOOD FM	
	PRE-BELT ROCKS	PRE-BELT ROCKS	PRE-BELT ROCKS	
	NORTHERN POWDER RIVER BASIN	WILLISTON BASIN	NORTH CENTRAL MONTANA	

*SOME FIELDS OMITTED DUE TO SPACE LIMITATIONS

SWEETGRASS ARCH		NORTHERN DISTURBED BELT		PERIOD	ERA	
				TERTIARY	CENOZOIC	
<p>WILLOW CK FM</p> <p>ST MARY RIVER FM</p> <p>HORSE THIEF SS</p> <p>BLARDAW FM</p> <p>JUDITH RIVER FM</p> <p>CLAGGETT FM</p> <p>TWO MEDICINE FM</p> <p>EAGLE FM</p> <p>VIRGELI F SS</p> <p>TELEGRAPH CK FM</p> <p>KEVIN SH MBR</p> <p>TRIDIG MBR</p> <p>CONE (2ND WHITE SPK (GREENHORN))</p> <p>FLOWFREE MBR</p> <p>(FISH SCALE SS)</p> <p>BOOTLEGGER MBR</p> <p>VAUGHN</p> <p>VAUGHN</p> <p>BOW ISLAND</p> <p>TATT HILL</p> <p>FLOOD (DAKOTA)</p> <p>(BURWASH)</p> <p>KOOTENAI FM</p> <p>(SUNBURST)</p> <p>(LAND TR)</p> <p>(CUT BANK)</p>		<p>WILLOW CK FM</p> <p>ST MARY RIVER FM</p> <p>HORSE THIEF SS</p> <p>TWO HORSESHOE FM</p> <p>MEDICINE FM</p> <p>VIRGELLE SS</p> <p>TELEGRAPH CK FM</p> <p>KEVIN SH MBR</p> <p>TRIDIG MBR</p> <p>CONE (2ND WHITE SPK (GREENHORN))</p> <p>FLOWFREE MBR</p> <p>(FISH SCALE SS)</p> <p>BOOTLEGGER MBR</p> <p>VAUGHN</p> <p>VAUGHN</p> <p>BOW ISLAND</p> <p>TATT HILL</p> <p>FLOOD (DAKOTA)</p> <p>(BURWASH)</p> <p>KOOTENAI FM</p> <p>(SUNBURST)</p> <p>(LAND TR)</p> <p>(CUT BANK)</p>		UPPER	CRETACEOUS	MESOZOIC
<p>BROWN'S C. & F. BULLWACKER COAL MINE C. FROY, RED ROCK, SAWTOOTH MTH, TIGER RIDGE, TWO FORKS</p> <p>BADLANDS, BATTLE CK, BLACK BUTTE, BLACK C., BOWEN BROWN'S C. & F., BULLWACKER, CHAIN LAKES, CHIP CK, COAL C., COAL MINE C., FRESHO, HANFIE, HIGHLINE, LAREDO, LLOYD, LOHMAN, RED ROCK, RUDYARD, SAWTOOTH MTH, SHERAH, TIGER RIDGE, TWO FORKS</p> <p>ASHFIELD, BOWDOIN, LORING, E & W LUHING, SWANSON CK, VANDALIA, WHITWATER & E</p> <p>ASHFIELD, BOWDOIN, COAL MINE C., GORMAN C., LORING & E., SPRING C., SWANSON CK, VANDALIA, WHITEWATER & E., WILD HORSE</p>		<p>ALMA, ANTILOPE C., BIG HOOK, LITTLE HOOK</p> <p>ALMA, AMANDA, ARCH APEX, BIG HOOK, BUFFALO FLAT, CUT BANK, D'VON, DRY FOHK, DUNKIRK, HATHRICK L, FLAT C, FT. CONRAD, GALATA, GRANDVIEW, HARDPAN, HAYSTACK BUTTE, L. KATH, KEVIN SUNBURST, SW. KLVN, KICKING HORSE, LEDGER, MAHAR RIVER, MINERS C., O'BRIEN'S C., OLD SHELBY, K. ICE C., PRAIRIE DELL, SPOON C., SOBER UP C., TIBER, TRAIL CK, WHITLASH, WILLIAMS, WILLOW RIDGE</p> <p>S. CONRAD</p> <p>BLACKFOOT, BRADLY CUT BANK, DUNKIRK, FLAT C, KEVIN-SUNBURST, KICKING HORSE, M. BUTTE, PRAIRIE DELL, W. BUTTE, WHITLASH, WILLOWRIDGE, BRADY, KEVIN SUNBURST, STRAWBERRY CK, WILLOW RIDGE</p> <p>BHADY, KEVIN SUNBURST, STRAWBERRY CK, WILLOW RIDGE</p> <p>AMANDA, ARCH APEX, BLACKFOOT, DUNKIRK E. & SW, KEVIN, OLD SHELBY, PRAIRIE DELL, W. BUTTE</p> <p>W. RITHELOTE, BHADY, S. CONRAD, DUTCH JOHN, F. H. D. & GEORGE, GHAREN C., GYPSY H, KEVIN SUNBURST, PHANTOM A & W, W. BUTTE, WHITLASH & W</p> <p>BLACKFOOT & E., DUNKIRK-RED C., CUT BANK, GRABEN C., RED CK</p>		LOWER			* EAST GLACIER
<p>MORRISON FM</p> <p>SWIFT FM</p> <p>HILSDON FM</p> <p>SAWTOOTH FM</p> <p>BOWEN, RABBIT HILLS & NE & SW, THIRTY MILE</p> <p>CANADIAN C., E. CHNOOK N. GILDFORD, RUDYARD</p>		<p>BRADY</p> <p>ARCHATEX, BANNAIYNE, BEAR'S DEN, FLAT C, FRED & GEORGE CK, GRANDVIEW, HORSE CK, LAIRD CK, RICHARD CK, UTOPIA, WHITLASH & W</p> <p>AMANDA, FOGLE SPGS, HATHRIDGE, SW. KLVN, OLD SHELBY, PRAIRIE DELL & W., WEST BUTTE</p> <p>GYPSY B., HIGHVIEW, KEVIN SUNBURST</p> <p>CANADIAN C., FLAT C, KEITH, KICKING HORSE, MINEH'S C., UTOPIA</p>			JURASSIC	
					TRIASSIC	
					PERMIAN	
					PENNSYLVANIAN	
<p>SUN RIVER DOLOMITE</p> <p>MISSION CANYON LS</p> <p>LODGEPOLE LS</p> <p>FXSHAW (BAKKE) FM</p>		<p>BANNATYNE, BLACKFOOT, BRADLY BYNUM, CUT BANK, GYPSY BASIN, HIGHVIEW, KEVIN-SUNBURST, LANDSLIDE BUTTE, KONDRA, PONTE RA C., REAGAN, REDOCK, RUNAWAY</p> <p>BILLS C. E., KIPPER, MT. L.V., WHITLASH</p>			MISSISSIPPIAN	
<p>THREE FORKS SHALE</p> <p>POTIATCHANY</p> <p>BROBEAR (NISKU) FM</p> <p>DUPRE FM</p> <p>SOUHIS RIVER FM</p>		<p>BLACKFOOT GYPSY B., HIGHVIEW, KEVIN-SUNBURST, L. KEVIN NISKU, KEVIN-SUNBURST NISKU GAS</p> <p>BUFFALO FLAT</p>			DEVONIAN	
					SILURIAN	
					ORDOVICIAN	
<p>RED LION FM</p> <p>PLUMER FM</p> <p>CAMBRIAN</p> <p>SHALE</p> <p>UNDIVIDED</p> <p>HATHEAD SS</p>		<p>DEVILS GLEN DOL</p> <p>SWITCHBACK SH</p> <p>STAMBOAT LS</p> <p>PENTAGON SH</p> <p>PAGODA IS</p> <p>DEARBORN'S DAMNATION LS</p> <p>GORDON SH</p> <p>FLATHEAD SS</p>			CAMBRIAN	
					PROTEROZOIC	
<p>PRE MIT ROCKS</p>		<p>PRE-BELT ROCKS</p>			ARCHEAN	
SWEETGRASS ARCH		NORTHERN DISTURBED BELT			PRECAMBRIAN	