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REGISTRATION BOARD
STATE OF MONTANA

BOARD OF RAILROAD COMMISSIONERS
STATE OF MONTANA

ANNUAL REPORT OF
OIL AND GAS WELL DIVISION

FOR

FISCAL YEAR ENDED

October 31, 1946

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OIL CONSERVATION BOARD
OF THE STATE OF MONTANA

RESUME OF MONTANA OIL & GAS OPERATIONS

(FOR FISCAL YEAR ENDING OCTOBER 31, 1946.)

The attached plates are a summary of the development work done in the crude oil and gas industry in Montana for the Fiscal Year ending October 31, 1946.

Development of Montana's oil and gas fields during the year was noteworthy for several reasons, including significant increase in production of more than 1,200 barrels daily, extension and development of new producing horizons in several areas, and unmistakable signs of a trend toward deeper drilling.

While wildcatters were active in numerous areas not now in production, some of the most important discoveries were made in areas that had already yielded large volumes of oil and gas.

This was particularly true in the Cut Bank field, which prior to the start of the fiscal year, had yielded more than 47,000,000 barrels of oil and huge volumes of gas from approximately 1,000 oil wells and more than 100 gassers drilled to the Cut Bank sand. Activity was centered in the opening up of a new field producing horizon, the Madison limestone, below the Cut Bank sands. Virtually all of the Madison limestone development was centered in the north part of the Cut Bank field, in which production from the new pay zone was first opened by the Carter Oil Company, in a well drilled on the Brindley lease in T. 36 N., R. 6 W. By the end of the fiscal year, 28 wells had been drilled in the lime area, of which 20 had produced a total of 62,269 barrels of high gravity oil. Two were completed as gassers. Five on the northern and eastern edges of the lime area were dry holes, and 1 hole was lost. Three wells were drilling in the area at the close of this reporting period.

NOTE: Since compilation of the annual figures for the period ending October 31, another important development has been recorded in this district---the discovery of what appears to be commercial production of oil of 40-gravity, in a well drilled by the Union Oil Company of California on its McGuinness unit, six miles south of the original lime discovery well drilled by Carter, and two miles south of the nearest limestone production. This well was a commercial gasser in the Cut Bank sands and will be saved as a gasser, with the oil plugged off, and a twin well drilled to test the lime oil showing.

Meantime, production from the long-established Cut Bank sand horizon continued steadily, with a net output of 4,633,124 barrels recorded for the entire field, of which only 62,269 barrels came from the new Madison lime producing horizon. The total daily average for the field for the fiscal year was 12,693 barrels, while the daily average production of sand wells was 12,523 barrels, a decline of 1,000 barrels daily in wells producing from the sand zones. The daily average decline for the field was 930 barrels. During the year, a total of 99 wells were completed in this field. Of these, 35 were on government leases, 29 being producers and 6 being dry holes. Of the 64 wells drilled on fee leases, 40 produced oil, 9 produced gas, and 15 were dry. The previous year, 103 wells were drilled in this field. On government land, 20 were oil wells, none were gas wells, and 5 were dry holes; and on fee land, 67 produced oil, 5 produced gas, and 6 were dry holes.

In the Kevin-Sunburst field, activity during the fiscal year ending October 31 was markedly less than in the preceding 12 months, with a slight daily decrease in average production. In the previous fiscal year, 122 wells were drilled. Of these, 69 drilled on fee land were oil produced, as were 21 drilled on government land. The drilling on government land yielded one gas well and 5 dry holes, and on fee land, 6 gas wells and 20 dry holes. Compared with this, during the fiscal year just ended, there were 89 wells drilled in the field. The drilling on government land resulted in completion of 13 oil wells, 1 gas well and 3 dry holes. On fee land, 50 oil wells, 2 gas wells and 20 dry holes were completed. As the year ended, 14 drilling rigs were in operation. For the year, the field produced 1,818,210 barrels, as compared with 1,910,493 barrels for the preceding 12 months. The daily average for the field during the year was 4,981 barrels, compared with the previous year's average of 5,234 barrels, a daily average decline of 253 barrels.

The important Elk Basin field on the Montana-Wyoming border was virtually inactive during the year, though there was an important development on the Wyoming side of the field, where a well drilled by Stanolind Oil & Gas Company as unit operator opened what appears to be commercial oil production in the Madison lime. This, if the tests indicate the well is commercial, will open up the third producing horizon in the field, in which past production has come from the Frontier and Tensleep sands. No completions were recorded in this field during the year, and as the year ended, only one well was making hole, with the Embar and Tensleep sands as its objective. Last year 14 wells were drilled on the Montana side of the field, all completing as commercial oil producers in the Tensleep sand, 7 on government acreage and 7 on fee acreage. Production in this field increased during the past fiscal year, totaling 1,310,941 barrels as against 931,495 barrels for the preceding 12 months, an average daily increase for field of from 2,552 to 3,529 barrels - principally due to a higher allowable following unitization. The average daily increase for the Montana side of the field was 1,040 barrels. As the year ended, the field had 49 producers, of which 31 were yielding oil from the deeper horizons.

In percentage of increased production, the Cat Creek field led all others in the state, following the opening of new producing zones below the Third Cat Creek water sand. The output of this field during the fiscal year was 445,225 barrels, as compared with 109,399 barrels for the preceding year, a daily average increase of 920 barrels. (Field output jumped from a daily average of 300 barrels to a daily average of 1,220 barrels). In the previous year, only two wells were drilled. One was a dry hole, but the other, completed as the year ended, was the Schrook-Fifer producer, a flowing well that led to immediate acceleration of activity. In the year ended October 31, there were 50 completions, of which 33 were oil wells and 17 were dry holes. Of the oil wells, 26 were completed on patented land, and 7 on government land. There were 16 dry holes completed on fee land, but only 1 on government acreage.

An old field that showed a substantial increase in production during the year was Pondera, which yielded 294,451 barrels as compared with 251,433 barrels in the preceding period. The daily average went up from 689 barrels to 807 barrels, an increase of 118 barrels daily for the year. The increase was directly due to the success of drilling operations in the north and northeastern sections of the field. Of the 12 wells drilled, all on state and patented land, 8 got oil and 4 were dry holes. There is no government land in the Pondera field. The previous year, of 8 wells drilled, 7 got oil and 1 was a dry hole.

Another field in which production increased during the year was Gage Dome, in central Montana. Oil output for the past fiscal year totaled 102,751 barrels, as against 86,368 barrels for the preceding year, a daily average of 282 barrels, as against 237 barrels, for a net increase of 45 barrels daily. Gage Dome has seven producing wells, two of which were completed this year.

There was considerable drilling during the year in the Devon gas field east of Shelby, with 14 completions registered. Of these, all drilled on fee land, 8 were gas wells and 6 were dry holes.

In other fields of the state, such as the Border, Lake Basin, Bears Den, Dry Creek, Framie, Bertholote, Mid-way, Flat Coulee, and Whitlash, the record shows a production for the period of 222,301 barrels, as compared with 220,910 for the preceding period. The daily average for all miscellaneous fields was 609 barrels for the period, as compared with 605 barrels for the preceding period, a daily average decrease of approximately 4 barrels. In the state as a whole, total output for all fields was 8,827,003 barrels, as compared with output for the preceding period of 8,482,561 barrels. Daily total average for all state fields for the period just ended was 24,184 barrels, as compared with a daily total average of 23,240 barrels for the preceding 12 months, a daily average gain of 944 barrels.

In tabular form, the story of the year's increase or decline in production for state fields is as follows:

DAILY AVERAGE

	Decline	Increase
Cut Bank	930	
Kevin-Sunburst	253	
Elk Basin		1040
Cat Creek		920
Pondera		118
Gage Dome		45
Other Fields		4
Totals	1183	2127

Gains: 944 barrels daily average.

What appears to be a new oil field of importance was discovered by the completion of the Schwartz-Schrock government well in T. 13 N., R. 28 E., at Rattlesnake Butte, with an estimated initial production of slightly over 20 barrels daily of about 30 gravity oil. Due to a partnership disagreement, no other wells have been drilled to date in the area, but more development work is planned for the near future.

In the gas fields at Bowdoin, Cedar Creek, Whitlash and Devon areas, drilling continued steadily for the shallow gas production, as can be seen from the attached plates.

The Texas Company completed one of the most important wild cats drilled in Montana, when they discovered an estimated flow of over 20,000 M.C.F. of sweet gas in the Devonian formation in their well in the Lothair (Utopia) field, just north of Chester. It is the first commercial production to be found in this formation in Montana, and undoubtedly will lead to the prospecting of this horizon in many areas, especially in the northern half of Montana. At the present time, the Texas Company are drilling a deep test on the Bowdoin structure, with the idea of testing the Devonian, while they are also drilling a test at Bears Den, which well is being drilled with the same objective. Several wells have been drilled in the Kevin-Sunburst and Sweet Grass Hills area to the Devonian, and though good show of oil and a little gas was found in them, the Texas Laas #2 is the first well to find commercial production at this horizon.

At Twin Buttes in southern Montana, the Union Oil Company is drilling a deep test, and the Richfield Oil of Montana are drilling in the Mission Dome near Livingston, neither of these two being deep enough yet to test expected producing horizons. R. C. Tarrant is drilling two shallow holes, one on the West Dome of the Shawmut anticline, and one on the Haymaker anticline near Harlowton, neither are deep enough to have tested the expected producing horizons. Near the Wyoming border, the A. B. Chase well just north of Warren expects to test the first few hundred feet of top of the Madison Lime, as soon as rotary tools are rigged up. All formations above this horizon were either dry or contained water.

BOARD OF RAILROAD COMMISSIONERS

State of Montana

OIL AND GAS WELL DIVISION

Fiscal Year Ended October 31, 1946

PLATES ATTACHED

- Plate 1 - Wells completed - Abandonments - and Status of Un-completed wells during Fiscal Year ended October 31, 1946 - CUT BANK FIELD.
- Plate 2 - Wells completed - Abandonments - and Status of Un-completed wells during Fiscal Year ended October 31, 1946 - KEVIN SUNBURST FIELD.
- Plate 3 - Wells completed - Abandonments - and Status of Un-completed wells during Fiscal Year ended October 31, 1946 - CAT CREEK FIELD.
- Plate 4 - Wells completed in other fields and areas during fiscal year ended October 31, 1946.
- Plate 5 - Status of Uncompleted Wells at end of Fiscal Year on October 31, 1946, Not previously listed.
- Plate 6 - Status of wells as of October 31, 1946.

CUT BANK WELL COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
M. W. McGuire	Tribal 304 #1	23-32N-6W	11-1-45	30 bbl.
Union Oil Co.	Pioneer Lumber #2	22-35N-5W	11-5-45	2500 M. C. F. Gas
Union Oil Co.	Miller #21	19-33N-5W	11-6-45	20 bbl.
Levi Bargetal	Tribal Con't. 14 #1	33-32-N5W	11-8-45	Dry P. & A.
Carter Oil Co.	Hardy Allot #7	27-35N6W	11-10-45	150 bbl.
Plotke-Inland Empire	Tribal 308 #1	26-32N-6W	11-10-45	25 bbl.
Union Oil Co.	Warfield Unit #2	5-35N-5W	11-12-45	66 bbl.
Carter Oil Co.	Tribal 4907 #33	9-35N-6W	11-23-45	50 bbl.
G. S. Frary	Tribal Con't. 302 #1	15-32N-6W	11-25-45	22 bbl.
Union Oil Co.	Heber #1	29-37N-4W	11-25-45	19,000 M. C. F. Gas
Levi Burg	Tribal Con't. 1 #5	32-32N-5W	12-5-45	35 bbl.
Kluth	Kennerly Allot #3	22-34N-6W	12-12-45	45 bbl.
Union Oil Co.	Neil #6	20-33N-5W	12-13-45	20 bbl.
Union Oil Co.	Connolly #2	30-34N-5W	12-13-45	Dry P. & A.
B. L. Frary	Tribal Con't. #7 #5	13-32N-6W	12-15-45	60 bbl.
Wright-Hagerty	Tribal Con't. 305 #1	12-32N-6W	12-16-45	15 bbl.
Hanlon-Inland Empire	Tribal Con't. 297 #1	12-32N-6W	12-17-45	50 bbl.
Carter Oil Co.	Weaver Co. Allot. #5	27-35N-6W	12-20-45	30 bbl.
Union Oil Co.	F. Barrington #2	19-33N-5W	12-21-45	60 bbl.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Union Oil Co.	Scheuren #8	20-33N-5W	12-27-45	20 bbl.
Union Oil Co.	Gainen #3	6-33N-5W	12-30-45	30 bbl.
M-H-O Oil Co.	Tepples #1	14-33N-6W	12-31-45	Dry P. & A.
Texas Co.	Morrison #14	22-35N-6W	1-3-46	162 bbls. Swab.
A. B. Cobb Co.	Jackson #5	5-32N-5W	1-7-46	15 bbls. Swab.
Jack Lewis	Tribal Con't. #13 #3	26-32N-6W	1-16-46	125 bbls.
Hannah-Porter	Tribal Con't 343 #1	23-32N-6W	1-22-46	125 bbls. Swab.
Union Oil Co.	Langabeer Unit #4	18-35N-5W	2-10-46	5,000 M. C. F.
Union Oil Co.	Warfield Unit #3	5-35N-5W	2-13-46	Dry P. & A.
Union Oil Co.	Miller #22	19-33N-5W	2-18-46	35 bbls.
Union Oil Co.	A. Barrington #7	18-33N-5W	2-21-46	49 bbls.
Carter Oil Co.	Larmon #1	12-36N-6W	2-23-46	70 bbls. (Deepened)
Union Oil Co.	Rigney #9	2-35N-6W	2-24-46	20 bbls.
Plotke-Inland Empire	Tribal 306 #1	11-32N-6W	2-25-46	40 bbls. in 8 hrs.
Carter Oil Co.	Halverson #6	25-34N-6W	2-26-46	Dry P. & A.
W. E. Burks	Tribal 8749 #2	18-32N-5W	3-11-46	35 bbls. Swab.
G.S. Frary	Ghatterton #1	22-32N-6W	3-25-46	60 bbls.
G. S. Frary	Tribal Con't 8 #5	13-32N-6W	3-27-46	173 bbls. in 14 hrs.
Pattie-Stewart-Inland Empire	Downing #1	30-37N-6W	3-28-46	Dry P. & A.
Desimone	Tribal #225 #3	25-32N-6W	4-1-46	20 bbls. Swab.
Texas Co.	Hessler #6	19-33N-5W	4-3-46	14 bbls. Swab.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Hanlon-Inland Emp.	Tribal 297 #2	12-32N-6W	4-6-46	115 bbls.
Union Oil Co.	F. Barrington #3	19-33N-5W	4-7-46	70 bbls.
Hannah-Porter Inl. Emp.	Tribal 307 #1	26-32N-6W	4-9-46	90 bbls. Swab.
Union Oil Co.	Miller #23	29-33N-5W	4-13-46	27 bbls.
Union Oil Co.	Thomas Unit #3	11-35N-5W	4-23-46	Dry P. & A.
Hanlon-Inland Emp.	Tribal 308 #2	26-32N-6W	4-24-46	15 bbls.
Union Oil Co.	Dahlquist #1	6-34N-4W	5-3-46	11,600 M. C. F. Gas
Union Oil Co.	Stufft 418 #1	19-36N-5W	5-3-46	261 bbls.
Pardee-Inland Emp.	McAlpine #1	11-37N-5W	5-9-46	Dry P. & A.
Inland Empire Oil Co.	Tribal 344 #1	14-32N-6W	5-13-46	45 bbls. Swab.
Big West Oil Co.	State #1	31-35N-4W	5-18-46	900 M. C. F. Gas
Union Oil Co.	A. Barrington #8	19-33N-5W	5-23-46	45 bbls.
Union Oil Co.	Longabeer Unit #5	18-35N-5W	5-27-46	Dry P. & A.
Lee Bros. Miller Oil Co.	Tweedy #1	36-33N-6W	6-4-46	Dry P. & A.
Carter Oil Co.	Merch. Trust Co. #1	7-36N-5W	6-12-46	83 bbls.
Texas Co.	Marceau Allot 141 #1	29-35N-6W	6-21-46	90 bbls.
Carter Oil Co.	Brindley No. 2	12-36N-6W	6-22-46	87 bbls.
Union Oil Co.	Stufft #418 #2	19-36N-5W	7-2-46	124 bbls.
Desimone	Tribal 226 #3	25-32N-6W	7-6-46	52 bbls. Swab.
Big West Oil Co.	Dahlquist #1	7-34N-4W	7-11-46	6171 M. C. F. Gas
Hannah-Porter-Inl. Emp.	Tribal 343 #2	23-32N-6W	7-12-46	7½ bbls. Swab.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Inland Empire	Tribal 346#1	23-32N-6W	7-12-46	78 bbls. Swab.
Carter Oil Co.	Merch. Trust #2	7-36N-5W	7-16-46	62 bbls.
Castle-Pardoe	Tribal 8642 #4	13-32N-6W	7-18-46	Dry P. & A.
Union Oil Co.	F. Barrington #4	19-33N-5W	7-21-46	95 bbls. Swab.
P. & S. Oil Co.	Haugen #1	11-36N-6W	7-25-46	Dry P. & A.
H. M. Kluth	Allot 9468 #4	22-34N-6W	7-30-46	Dry P. & A.
A. B. Cobb & Co.	Tribal Con. #9 #5	24-32N-6W	7-31-46	Dry P. & A.
Carter Oil Co.	Brown #1	24-36N-6W	8-3-46	10 bbls.
Cobb-Hanlon	Tribal #13 #4	26-32N-6W	8-4-46	10 bbls.
Texas Company	Lennon #2	24-33N-6W	8-5-46	6 bbls. in 16 hrs.
Union Oil Co.	Rigney #10	2-35N-6W	8-7-46	28 bbls. in 15 hrs. 4,000MCF Gas
Carter Oil Co.	Larmon #2	12-36N-6W	8-12-46	32 bbls.
T. L. Brook	Billstad #1	4-36N-5W	8-23-46	Dry P. & A.
Union Oil Co.	Desort Unit #2	26-35N-5W	8-25-46	4,500 M.C.F. Gas
Carter Oil Co.	Larmon #3	12-36N-6W	8-25-46	53 bbls.
Carter Oil Co.	Brown #2	24-36N-6W	9-2-46	113 bbls.
Texas Co.	Stuftt 245 #1	19-36N-5W	9-3-46	55 bbls.
Texas Co.	Marceau Allot 141 #2	29-35N-6W	9-3-46	Dry P. & A.
Big West Oil Co.	Proefrock #1	7-34N-4W	9-5-46	15 bbls.
Tarrant Drumheller	State #1	36-35N-6W	9-10-46	3,000 M. C. F. Gas
Trigood Oil Co.	Billstad #1	3-36N-5W	9-11-46	Dry P. & A.

<u>PANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Hannah-Porter Co.	Tribal 189 #5	19-32N-5W	9-13-46	65 bbls.
Mr. M. R. Wagner	Tribal 7656 #4	12-32N-6W	9-14-46	50 bbls.
Carter Oil Co.	Cross #1	7-36N-5W	9-16-46	64 bbls.
Union Oil Co.	Pierce #2	32-36N-5W	9-17-46	298 bbls.
Union Oil Co.	Stufft 418 #5	19-36N-5W	9-27-46	200 bbls.
Needmore Oil Co.	Tuma #1	5-36N-5W	9-27-46	Dry P. & A.
Desimone	Tribal 226 #4	25-32N-6W	9-27-46	Dry P. & A.
Carter Oil Co.	Larmon #4	12-36N-6W	10-3-46	93 bbls.
A. B. Cobb	Miller 13 #4	36-32N-6W	10-10-46	15 bbls.
Union Oil Co.	Superior '1	7-36N-5W	10-10-46	Dry P. & A.
Carter Oil Co.	Doorenbos #1	12-36N-6W	10-14-46	80 bbls.
Texas Company	Morrison #15	22-35N-6W	10-16-46	35 bbls. in 12 hrs. Swab.
Texas Company	Stufft 245 #2	19-36N-5W	10-21-46	35 bbls.
Castle & Pardee	Tribal 8630 #5	30-32N-5W	10-22-46	75 bbls.
Frary	Allot 8745 #4	13-32N-6W	10-23-46	70 bbls.
Wright Hagerty	Tribal 305 #2	12-32N-6W	10-24-46	25 bbls.
Carter Oil Co.	Howsley #1	13-36N-6W	10-30-46	3,900 M. C. F. Gas

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SUMMARY OF CUT BANK COMPLETIONS FOR
FISCAL YEAR ENDING OCTOBER 31, 1946

<u>No. Wells</u>	<u>Status</u>
40	Oil wells drilled on State & Patented Land
29	Oil wells drilled on Government Land
9	Gas wells drilled on State & Patented Land
0	Gas wells drilled on Government Land
15	Dry holes drilled on State & Patented Land
<u>6</u>	Dry holes drilled on Government Land
99	Total wells drilled in the Cut Bank field during Fiscal Year ending October 31, 1946.

STATUS OF UNCOMPLETED WELLS IN
CUT BANK FIELD

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>STATUS</u>
A. B. Cobb & Co.	Tribal 304 #2	23-32N-6W	Drg. at 750'
F. Desimone	Tribal 225 #4	25-32N-6W	Drg. at 1125'
H. M. Kluth	Allot 282 #4	22-34N-6W	Drg. at 2165'
Montana Power Co.	Tribal 355 #1	10-37N-7W	Stg. 305'
Texas Co.	Tribal 7749 #1	29-35N 6W	Stg. 225'
Union Oil Co.	Claprer Unit #3	34-35N-5W	Stg. 2800'
Union Oil Co.	Fee #1	19-36N 5W	Stg. 2937'
Union Oil Co.	McGuiness Unit #7	6-35N-5W	Fishing at 2780'
Union Oil Co.	Petters Unit #2	30-34N-4W	Stg. 2538'
Union Oil Co.	Schuette Unit #2	31-35N-5W	Drg. 2670'
Union Oil Co.	Stafft 417#1	24-36N 6W	Drg. 2823'
Union Oil Co.	Stafft 418 #3	19-36N 5W	Stg. 3122'
Union Oil Co.	Stafft 418 #6	19-36N 5W	Stg. 185'
Walgren C. S.	Britton #3	14-34N 6W	Stg. 2000'

CUT BANK FIELD
 FOLLOWING ARE OLD EXHAUSTED WELLS
PLUGGED AND ABANDONED IN 1946

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>STATUS</u>
Carter Oil Co.	Lahr #1	27-33N-5W	P. & A. 12-11-45 Gas
Carter Oil Co.	Jacobson-Lee #4	23-37N-5W	P. & A. 12-31-45 Oil
Carter Oil Co.	A. Barrington #4	13-33N-6W	p. & A. 1-8-46 Oil
Carter Oil Co.	Fee "30" #2	30-33N-5W	P. & A. 2-18-46 Oil
Carter Oil Co.	Corey #1	5-32N-5W	P. & A. 2-18-46 Oil
Carter Oil Co.	Hammond #1	13-33N-6W	P. & A. 2-18-46 Oil
Desimo e	Tribal 225-#3	25-32N 6W	P. & A. 7-25-46 Oil
Union Oil Co.	Miler-Berger #1	1-35N 5W	P. & A. 9-24-46 Oil
Carter Oil Co.	Lundgen #3	23-37N 5W	P. & A. 10-8-46 Oil
Carter Oil Co.	Whitehead #1	23-35N 6W	P. & A. 10-20-46 Gas

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KEVIN-SUNBURST WELL COMPLETIONS
FISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DRY COMPLETED</u>	<u>RESULTS</u>
A. Goeddertz	Goeddertz #3A	16-35N-3W	11-1-45	Dry P & A.
J. H. Agen-Oil Co.	Krause #6	9-35N-3W	11-1-45	8 bbls.
Prevol & Shay	Govt.083247 #18	9-35N-3W	11-2-45	20 bbls.
Fulton Pet. Corp.	Thompson #9	28-35N-3W	11-5-45	28 bbls.
Fred Munger	Maloney #3	5-34N-1W	11-7-45	35 bbls.
Cascade Oil Co.	Byrne #4	24-35N-2W	11-20-45	5 bbls.
Lee Edwards	Govt.083727 #1	35-35N-3W	11-21-45	22 bbls.
B. A. S. Aronow	Goeddertz #4	16-35N-3w	11-25-45	10 bbls.
J. B. Catlett	Govt.083335 #5	9-35N-3W	11-30-45	5 bbls.
Prevol & Shay	Govt.083247 #19	9-35N-3W	11-30-45	45 bbls.
Cobb-Hardrock	Govt.051979 #1	4-35N-3W	12-5-45	Dry P & A
F. Munger	Power (Barger)#1	9-34N-1W	12-8-45	12 bbls.
Pfabe-Engelking	Hurley #7	8-34N-2W	12-10-45	30 bbls.
Vander-Pas	Zachor #5	20-35N-1W	12-15-45	8 bbls.
Dakota-Montana Oil Co.	State #17	7-34N-1W	12-15-45	5 bbls.
Cobb-Hardrock	Govt.084648B#12	19-35N-3W	12-31-45	100 bbls.
Larson Drilling Co.	Govt.086342 #1	33-35N-2W	1-7-46	4 bbls.

KEVIN-SUNBURST WELL COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Tres Amigo Pet. Co.	Govt.083345 #6	9-35N-3W	1-12-46	150 bbls.
Fred Munger	Maloney #4	5-34N-1W	1-13-46	5 bbls.
Big West Oil Co.	Ellingsen "B" #9	23-36N-3W	1-14-46	15 bbls.
Ray Sorrell	Govt.085550 #2	7-34N-2W	1-23-46	100 M.C.F. Gas
Coolidge-Coolidge	Benjamin #2	9-33N-1W	1-25-46	600 M.C.F. Gas
Fred Munger	Maloney #5	5-34N-1W	2-6-46	8 bbls.
Nepstad Mont-Fargher	Haugen 1-#6	2-35N-3W	2-10-46	Dry P & A.
Thorpe - Parrent	Holbrook #6	2-36N-3W	3-3-46	40 bbls.
C. N. Wrighter Trustee	Govt.084217 #8	19-35N-3W	3-13-46	50 bbls.
Ray Sorrell	Sorrell #3	7-34N-2W	3-25-46	25 "
J. H. Agen Oil	Goeddertz #10	16-35N-3W	3-28-46	10 "
J. H. Agen Oil	Krause #9	9-35N-3W	3-28-46	10 "
Vander Pas	Zachor #6	20-35N-1W	3-30-46	7 "
C. W. Shay	Govt. ? #1	27-35N-3W	3-30-46	Dry P & A.
Big West Oil Co.	Ellingsen B#10	23-35N-3W	4-2-46	Dry P & A.
Nepstad	Haugen B #6	11-35N-3W	4-28-46	Dry P & A.
J. H. Agen Oil	Krause #7	9-35N-3W	4-29-46	Dry P & A.

KEVIN-SUNBURST WELL COMPLETIONS
FISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Michigan-Mont.	Byrne #8	35-35N-2W	4-30-46	Dry P. & A.
A. Goeddertz	State #1	16-35N-3W	5-1-46	Dry P. & A.
Crumley & Sons	Fryberger #30	24-35N-3W	5-3-46	3 bbls.
Dakota-Montana	State #18	7-34N-1W	5-7-46	Dry P. & A.
Vander Pas	Zachor #10	20-35N-1W	5-7-46	10 bbls.
Hardrock Oil Co.	Govt.080008#3	10-35N-3W	5-9-46	25 bbls.
Consolidated Gas Co.	State #1	16-35N-4W	5-18-46	Dry P. & A.
C. T. Oien	Engemoen #24	11-35N-2W	5-21-46	98 bbls.
C. E. Biggs et al	Hunderson #1	19-35N-2W	5-26-46	75 bbls.
Texas Company	Wagner #2	29-36N-1W	5-27-46	Dry P. & A.
Ray Sorrell	Norem #1	4-34N-2W	6-6-46	Dry P. & A.
Fred Buscher	Overby #2	30-34N-2W	6-11-46	4,000 M.C.F. Gas
Cobb-Hardrock	Govt.084648B#13	18-35N-3W	6-25-46	20 bbls.
Kittendorf	Bashor #1	9-35N-1W	6-27-46	35 bbls.
Vander Pas	Zachor #8	20-35N-1W	6-28-46	10 bbls.
Crumley & Sons	Fryberger #32	24-35N-3W	7-8-46	5 "
Maverick Oil Co.	Hannon #1	28-36N-2W	7-8-46	13 "
Crumley & Sons	Fryberger #31	24-35N-3W	7-.10/46	10 "

KEVIN-SUNBURST WELL COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
C. T. Oien	Engemoen #25	14-35N-2W	7-10-46	86 bbls.
Superior Oil Co.	Haugen #5	11-35N-3W	7-17-46	32 "
Consolidated Gas Co.	State #2	16-35N-4W	7-18-46	Dry P & A.
Coolidge & Coolidge	Goeddertz #1	10-35N-3W	7-19-46	132 bbls.
Linville-Smith	Foley #1	8-34N-1W	7-24-46	Dry P. & A.
Otis Thompson	Crawford #1	7-34N-2W	7-26-46	96 bbls.
Prevol & Shay	Govt. 083247 #20	10-35N-3W	7-27-46	10 bbls.
C. T. Oien	Engemoen #26	10-35N-2W	8-5-46	25 "
P. M. K. Co.	Erickson et al #3	18-34N-2W	8-5-46	Dry P. & A.
Texas Co.	Reeg #16	23-35N-2W	8-6-46	35 bbls.
R. Sorrell	Sorrell #4	7-34N-2W	8-10-46	20 "
Halter	Halter #3	21-35N-2W	8-16-46	Dry P. & A.
Maverick Oil. Co.	Hannon #2	28-36N-2W	8-18-46	Dry P. & A.
Haeh	N M Newmann #17	22-35N-2W	8-19-46	7 bbls.
Welsh Bros.	State #4	36-35N-2W	8-20-46	8 "
G. E. Biggs et al	Gunderson #2	19-35N-2W	8-27-46	35 bbls.
McKee	McKee #10	19-35N-1W	8-28-46	38 bbls.

KEVIN-SUNBURST WELL COMPLETIONS
FISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
G. T. Oien	Jarrett #3	20-35N-2W	8-29-46	Dry P. & A.
Texas Co.	Kenny J.T. #11	15-35N-2W	8-30-46	47 bbls.
B.A.S. Aronow	Govt.051863B#14	24-35N-3W	9-7-46	103 bbls.
Nepstad-Vander Pas-Fargher	Haugen 1 #7	2-35N-3W	9-11-46	13 bbls.
A. Haeh	M M Newmann#19	22-35N-2W	9-13-46	24 "
Enfield Oil Co.	Zachor #12	20-35N-1W	9-18-46	120 "
Coolidge - Coolidge	Goeddertz #2	10-35N-3W	9-20-46	? Dry P & A.
Maverick Oil Co.	Hannon #3	28-36N-2W	9-23-46	Dry P & A.
Vander Pas	Putman #14	31-35N-1W	9-23-46	6 bbls.
Adams-Hesla	McManus 2 #9	21-35N-2W	9-25-46	30 bbls.
Claresholm Oil Co.	Hurley #2	8-34N-2W	10-3-46	Dry P. & A.
G. E. Biggs et al	Gunderson #3	24-35N-3W	10-7-46	85 bbls.
Texas Co.	State #16	16-35N-2W	10-8-46	56 bbls.
R. Sorrell	Govt.051864#1	35-35N-3W	10-8-46	Dry P. & A.
G. T. Oien	Engemoen #27	11-35N-2W	10-10-46	13 bbls.
Hamilton & Hamilton	Reeg #6	14-35N-2W	10-12-46	20 bbls.
McKee	McKee #11	19-35N-1W	10-17-46	20 "
P. M. K. Pet. Co.	Kalispell #17	19-35N-1W	10-18-46	32 "

SUMMARY OF KEVIN-SUNBURST FIELD
FISCAL YEAR ENDING OCTOBER 31, 1946.

No. Wells.

STATUS

13	Oil wells drilled on Government Land.
1	Gas well drilled on Government Land.
<u>3</u>	Dry holes drilled on Government Land.
17	
50	Oil wells drilled on State & Patented Land.
2	Gas wells drilled on State & Patented Land.
<u>20</u>	Dry holes drilled on State & Patented Land.
72	
89	Total wells drilled in the Kevin-Sunburst field during Fiscal Year ending October 31, 1946.

KEVIN-SUNBURST COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Superior Pet. Co.	Govt.053153A #8	12-35N-3W	10-20-46	4 bbls.
Texas Co.	Bruins #32	10-35N-2W	10-23-46	88 bbls.
<u>FOLLOWING ARE OLD EXHAUSTED WELLS PLUGGED AND ABANDONED IN 1946</u>				
			DATE	
Cut Bank Refg. Co.	Govt.084217 #6	18-35N-3W	P & A 3-15-46	P & A. Oil
Dakota-Montana Oil Co.	Barger #3	9-34N-1W	4-19-46	P & A. Gas
Texas Company	Moe #20	28-35N-2W	4-23-46	P & A. Oil
Rim Rock Prod. Co.	Schmidt #11	29-35N-3W	4-24-46	P & A. Oil
Potlatch Oil & Refg. Co.	State #1	16-35N-1W	5-5-46	P & A. Oil
" " " " "	State #3	16-35N-1W	5-16-46	P & A. Oil
Kal-Bar Oil Co.	Fee #1	13-35N-2W	5-28-46	P & A. Oil
J. H. Agen Oil	Goeddertz #1	16-35N-3W	7-9-46	P & A. Oil
Big West Oil Co.	Dahlquist #23	21-35N-3W	7-10-46	P & A. Oil
Big West Oil Co.	Ellingsen #1	14-35N-3W	7-10-46	P & A. Oil
Larson Drilg. Co.	Govt.086342 #1	33-35N-2W	7-15-46	P & A. Oil
Texas Pac. Coal & Oil Co.	Riebe #5	4-35N-2W	8-3-46	P & A. Oil

See page 149

KEVIN-SUNBURST COMPLETIONS

FISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE</u> <u>P & A MADE</u>	<u>RESULTS</u>
Texas Pac. Coal & Oil Co.	Riebe #4	4-35N-2W	8-31-45	P & A. Oil
Texas Pac. Coal & Oil Co.	Howling #8	9-35N-2W	9-30-46	P & A. Oil
P. M. K. Pet. Co.	Erickson #2	18-34N-2W	10-14-46	P & A. Oil

STATUS OF UNCOMPLETED WELLS IN
KEVIN-SUNBURST FIELD

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>STATUS</u> 10-31-46
Anglo-American Oil Co.	Engle #1	35-36N-3W	D.S.I. 1950
Hat Oil Co.	Mitchell #1	24-37N-3W	D.S.I. 1315
Perry-Linville-Smith	Govt.052053 #4	12-35N-2W	D.S.I. 1295
L. J. Yealy	Shaw #18	35-36N-2W	D.S.I. 1500
Hamilton & Hamilton	Reeg #5	14-35N-2W	D.S.I. 282
Pfabe & Engelking	Lewis #1	25-34N-3W	D.S.I. 250
Fulton Pet. Corp.	Thompson #9A	28-35N-3W	Drlg. 800
Pfabe & Engelking	Danielson #4	20-35N-1W	Drlg 1140
Texas Co.	Helmerich #9	21-35N-2W	Drlg 1000
P.M.K.Pet. Co.	Kal-Kevin #18	19-35N-1W	Drlg 400
Sorrell & Smith	Sorrell #1	7-34N-2W	Drlg 100
Prevol & Shay	Govt.083247#21	10-35N-3W	Fsh. 1535
Prevol & Shay	Govt.083247#22	10-35N-3W	Drlg 835
Hewson & Hewson	Woldvedt #1	6-34N-1W	Drlg 1225
Hannah - Porter Oil Co.	Ridle #1	30-32N-1W	Drlg 500
Nepstad-Grippen-Fargher	Campbell #1	23-35N-3W	Testing 1685
Texas Co.	Kenny-Ke Sun Jt.#12	15-35N-2W	Drlg 1400

CAT CREEK WELL COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
D. Schrock	Fifer #2	21-15N-30E	11-8-45	102 bbls.
D. Schrock	Fifer #3	21-15N-30E	11-19-45	75 bbls.
D. Schrock	Fifer #4	20-15N-30E	11-23-45	288 bbls.
D. Schrock	Fifer #5	21-15N-30E	12-12-45	175 bbls.
Chamberlain (Pac.Pet.)	Charles #1	21-15N-30-E	12-20-45	Dry P & A
Spencer et al	Brindley (O'Dea)#5	21-15N-30E	12-31-45	1000 bbls. (Old well deepened)
Continental Oil Co.	Brown #10	17-15N-30E	1-7-46	150 bbls.
Pacific Pet. Ltd.	Charles #3	21-15N-30E	1-28-46	Dry P & A.
Val Kirk	Butler #1	21-15N-30E	1-29-46	175 bbls.
Pacific Pet. Ltd.	Charles #4	21-15N-30E	1-29-46	Dry P & A.
Continental Oil Co.	Brown #11	17-15N-30E	2-12-46	15 bbls.
Hanlon et al	Mitchell #1	21-15N-30E	2-12-46	100 bbls.
Pacific Pet. Ltd.	Charles #5	21-15N-30E	2-14-46	Dry P & A.
Hanlon et al	Mitchell #2	21-15N-30E	2-18-46	50 bbls.
Val Kirk	Butler #2	21-15N-30E	2-15-46	Dry P & A.
Val Kirk	Butler #3	21-15N-30E	2-28-46	80 bbls.
Continental Oil Co.	Brown #12	17-15N-30 E	3-4-46	197 bbls.
Hanlon et al	Mitchell #4	21-15N-30E	3-10-46	700 bbls.

GAT CREEK WELL COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
British Dom. Oil Co.	Charles #1	21-15N-30E	3-15-46	3 bbls.
Continental Oil Co.	Brown #13	17-15N-30E	3-23-46	13 bbls.
R. Chamberlain	Govt. 022205 "A" #12	9-15N-29E	3-27-46	50 bbls.
Continental Oil Co.	Brown #14	17-15N-30E	4-3-46	95 bbls.
Hanlon et al Tract #1	Govt. 038176 #1	6-14N-31E	4-6-46	160 bbls.
British Dom. Oil Co.	Charles #2	21-15N-30E	4-19-46	Dry P & A.
Hanlon et al	N.P.R.R. #1	1-14N-30E	4-26-46	25 bbls.
Continental Oil Co.	Brown #15	17-15N-30E	4-30-46	85 bbls.
Hanlon et al Tract #1	Govt. 038176 #2	6-14N-31E	5-10-46	170 bbls.
Continental Oil Co.	Brown #16	17-15N-30E	5-15-46	Dry P & A.
A. B. Cobb & Co.	N.P.R.R. #1	27-15N-30E	5-16-46	Dry P & A.
British Dom. et al	N.P.R.R. #1	5-19N-31E	5-29-46	Dry (Saved for water well)
Gainer	Fradd #1	4-15N-29E	5-30-46	Dry P & A.
Texas Company	N.P.R.R. #1	35-15N-30E	6-1-46	Dry P & A.
Farmers Union Xge	State #1	16-15N-30E	6-3-46	75 bbls.
Farmers Union Xge	State #2	16-15N-30E	6-4-46	75 bbls.
Jack Gay	Fradd #1	9-16N-29E	6-12-46	Dry P & A.

CAT CREEK WELL COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Continental Oil Co.	Harlan #11	10-15N-29E	6-15-46	90 bbls.
Texas Co.	N.P.R.R. #2	35-15N-30E	6-15-46	Dry P & A.
East Flank Oil Co.	N.P.R.R. #1	9-14N-31E	6-20-46	Dry P & A.
Farmers Union Xge.	State #4	16-15N-30E	6-23-46	140 bbls.
Farmers Union Xge.	State #3	16-15N-30E	6-30-46	90 bbls.
Continental Oil Co.	Govt.022237#26	10-15N-29E	7-3-46	Dry P & A
Hanlon-York Mont.Tract #2	Govt.038176#3	6-14N-31E	7-4-46	100 bbls.
Hanlon-York Mont.Tract #2	Govt.038176#4	6-14N-31E	7-17-46	60 bbls.
Texas Co.	State #1	36-15N-30E	7-25-46	Dry P & A.
Continental Oil Co.	Brown #17	17-15N-30 E	8-11-46	3 bbls.
D. C. Shay	N.P.R.R. #1	1-14N-30E	8-18-46	50 bbls.
Hanlon-York Mont.Tract #3	Govt.038176#7	6-14N-31E	8-29-46	60 bbls.
Hanlon-Brooks	N.P.R.R. #2	1-14N-30E	9-14-46	5 bbls.
Hanlon et al Tract #1	Govt.038176 #5	6-14N-31E	10-13-46	120 bbls.
Cat Creek Oil Venture	Carlson #1	6-15N-29E	10-25-46	Dry P & A.

CAT CREEK WELL COMPLETIONSFISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
P 44				
<u>FOLLOWING ARE OLD EXHAUSTED WELLS PLUGGED AND ABANDONED IN 1945-1946</u>				
Continental Oil Co.	Govt.022331 #1	13-15N-29E	11-7-45	P & A Oil
Continental Oil Co.	Govt.022237 #9	10-15N-29E	11-7-45	P & A Oil
Continental Oil Co.	Govt.022331 #9	13-15N-29E	11-7-45	P & A Oil
Continental Oil Co.	Govt.022331#15	14-15N-29E	11-7-45	P & A Oil
Continental Oil Co.	Govt.022167 #9	14-15N-29E	11-7-45	P & A Oil
Continental Oil Co.	Govt.022237 #2	10-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022237#22	10-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022167#15	11-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022167#17	11-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022167#16	14-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022167#11	14-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022314#2	13-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022314#3	13-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022314#4	13-15N-29E	11-30-45	P & A Oil

See p. 149
CAT CREEK WELL COMPLETIONS

FISCAL YEAR ENDING OCTOBER 31, 1946.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE</u> <u>P & A</u>	<u>RESULTS</u>
<u>FOLLOWING ARE OLD EXHAUSTED WELLS PLUGGED AND ABANDONED IN 1945-1946</u>				
Continental Oil Co.	Govt.022307#1	14-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022307#2	14-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Govt.022307#3	14-15N-29E	11-30-45	P & A Oil
Continental Oil Co.	Brown #6	17-15N-30E	12-5-45	P & A Oil
H. H. Schwartz	Govt.022077#1	11-15N-29E	3-14-46	P & A Oil

STATUS OF UNCOMPLETED WELLS IN
CAT CREEK FIELD OCTOBER 31, 1946.

Hanlon et al	Mitchell #3	21-15N-30E	Status D.S.T. 105' ✓
Hanlon-York Mont. Tract #4	Govt.038176#8	6-14N-31E	Drlg. 100' ✓
R. Chamberlain	Govt.022205A #18	9-15N-29E	Drlg. 1882' ✓

SUMMARY OF CAT CREEK COMPLETIONS
FOR FISCAL YEAR ENDING OCTOBER 31, 1946.

<u>No. wells</u>	<u>STATUS</u>
26	Oil wells drilled on State & Patented Land
7	Oil wells drilled on Government Land
0	Gas Wells drilled on State & Patented Land
0	Gas wells drilled on Government Land
16	Dry holes drilled on State & Patented Land
1	Dry holes drilled on Government Land
<hr/>	
50	Total wells drilled in the Cat Creek Field during Fiscal Year Ending October 31, 1946..

WELL COMPLETIONS IN OTHER FIELDS AND AREASFOR FISCAL YEAR ENDING OCTOBER 31, 1946BOWDOIN

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Fidelity Gas Co.	Gov't. 066153 #798	27-32N-32E	7-23-46	310 M. C. F. Gas
Fidelity Gas Co.	Gov't 085020 #795	28-32N-32E	7-29-46	280 M. C. F. Gas
Fidelity Gas Co.	Kemp #814	31-32N-35E	8-3-46	327 M. C. F. Gas
Fidelity Gas Co.	Gov't. 085019 #797	27-32N-32E	8-5-46	290 M. C. F. Gas
Fidelity Gas Co.	Gov't 085062 #811	22-32N-34E	8-12-46	421 M. C. F. Gas
Fidelity Gas Co.	Tenderland #804	2-31N-34E	8-26-46	298 M. C. F. Gas
Fidelity Gas Co.	State #684	16-31N-35E	9-18-46	768 M. C. F. Gas
Fidelity Gas Co.	Gov't. 085070 #660	9-31N-35E	9-23-46	943 M. C. F. Gas
Fidelity Gas Co.	State #831	36-31N-34E	9-27-46	57 M. C. F. Gas
Fidelity Gas Co.	Lorentzen #801	22-31N-34E	10-4-46	648 M. C. F. Gas
Fidelity Gas Co.	Gov't 085054 #815	29-31N-34E	10-11-46	965 M. C. F. Gas
Fidelity Gas Co.	State #832	36-33N-31E	10-19-46	133 M. C. F. Gas
Fidelity Gas Co.	Blue #824	31-33N-32E	10-28-46	189 M. C. F. Gas

CEDAR CREEK

Montana Dakota Ut. Co.	N.P. R. R. #298	27-5N-61E	11-5-45	308 M. C. F. Gas
Montana Dakota Ut. Co.	N.P. R. R. #297	21-5N-61E	11-19-45	416 M. C. F. Gas

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Montana Dakota Ut. Co. Unit 8-A	Gov't. 020608 B 299	28-5N 61E	11-30-45	310 M. C. F. Gas
Montana Dakota Ut. Co.	N.P. RR 300	29-5N-61E	12-13-45	305 M. C. F. Gas
Montana Dakota Ut. Co.	Hatch #296	25-5N-61E	1-11-46	490 M. C. F. Gas
Montana Dakota Ut. Co.	Price #295	24-5N-60E	1-12-46	460 M. C. F. Gas
F. H. Becker	Becker #1	28-5N-60E	1-18-46	300 M. C. F. Gas
Montana Dakota Ut. Co.	N.P. RR #294	7-5N-61E	1-19-46	345 M. C. F. Gas
Montana Dakota Ut. Co.	N.P. RR #293	1-5N-60E	1-31-46	342 M. C. F. Gas
Geo. Gunderson	Gunderson #1	24-7N-59E	4-10-46	330 M. C. F. Gas
Montana Dakota Ut. Co. Unit 7	Gov't.	34-7N-61E	8-24-46	Dry & P. & A.
Montana Dakota Ut. Co. Unit 8-A	Gov't. #266	20-5N-61E	8-28-46	Dry & P. & A.
F. H. Becker	Kreager #1	28-5N-60E	10-13-46	400 M. C. F. Gas
F. H. Becker	N.P. RR #1	29-5N-60E	10-31-46	300 M. C. F. Gas
Montana Dakota Ut. Co.	#73	12-7N-59E	2-28-46	Gas (old well P. & A.)
Montana Dakota Ut. Co.	#135	2-4N-61E	9-12-46	Gas (old well P. & A.)
<u>DEVON FIELD</u>				
Montana Dakota	McDonough-State #266	32-33N-2E	7-5-45	715 M. C. F. Gas
Montana Dakota	Ely-State #268	33-33N-2E	11-17-45	2739 M. C. F. Gas
Montana Dakota	Big Sandy-Hellinger #270	9-33N-2E	12-1-45	1450 M. C. F. Gas
Montana Dakota	Dempster #272	28-33N-2E	12-14-45	2000 M. C. F. Gas
Montana Dakota	State #278	16-33N-2E	1-6-46	Dry P. & A.
Montana Dakota	Wooster #274	4-32N-2E	1-8-46	Dry P. & A.
Montana Dakota	Snell #280	35-33N-2E	1-26-46	Dry P. & A.
Montana Dakota	Snell #284	27-33N-2E	2-5-46	Dry P. & A.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
Montana Dakota	Radabaugh #286	19-33-N-2E	2-19-46	2822 M. C. F. Gas
Montana Dakota	Trovatten #288	31-33N-2E	2-20-46	2711 M. C. F. Gas
Montana Dakota	Siegler #290	6-32N-2E	3-4-46	Dry P. & A.
Montana Dakota	Wooster #292	4-32N-2E	3-11-46	1,841 M. C. F. Gas
Montana Dakota	Templeman #294	3-32N-2E	3-19-46	Dry P. & A.
Montana Dakota	Hellinger #276	8-32N-2E	3-29-46	2,473 M. C. F. Gas
<u>BERTHELOTE</u>				
Coolidge & Coolidge	Cyr #2	30-36N-2E	3-14-46	Dry P. & A.
<u>BROWNING AREA</u>				
Carter Oil Co.	Weaselhead Allot #1	28-34N-12W	4-16-46	Dry P. & A.
<u>BUTTON BUTTE</u>				
R. C. Tarrant	Woodworth #1	20-14N-24E	8 - 46	Dry P. & A.
<u>DAISY DEAN</u>				
R. C. Tarrant	Bair Est #1	28-9N-12E	6-15-46	Dry P.&A.(Saved for water well)
R. C. Tarrant	Holliday #1	25-9N-10E	9-24-46	Dry P. & A.
<u>DRACUT AREA</u>				
Lucky Seven OilCo.	Sanborn #1	23-21N-1W	10-18-46	Dry P. & A.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
<u>DUNKIRK</u>				
Lucky Seven Oil Co.	Knutson #2	4-31N-1E	10-15-46	P. & A. Abd Oil Well
<u>EAST HARDIN</u>				
H. L. Hunt	Kendrick Cattle Co. #1	24-1N-34E	10-21-46	Dry P. & A.
<u>FLATWILLOW ANTICLINE</u>				
Geo. Brundage	Teague #1	35-14N-25E	6-19-46	Dry P. & A. (Saved for water well)
<u>GAGE</u>				
Northern Ord. Inc.	Hold #1	14-9N-26E	6-5-46	195 bbl.
Northern Ord. Inc.	Hold #2	14-9N-26E	8-26-46	148 bbl.
<u>GRANDVIEW</u>				
Union Oil Co.	Danielson #1	8-34N-2E	6-14-46	Dry P. & A.
<u>HARDIN</u>				
Marcus Snyder	Buzzetti-Corkin #3	24-1S-32E	11-27-45	40 M. C. F. Gas
Marcus Snyder	Buzzetti-Corkin #2	23-1S-32E	11-28-45	40 M. C. F. Gas
Big Horn Oil & Gas Co.	Warren #52	21-1S-34E	2-4-46	94 M. C. F. Gas
Big Horn Oil & Gas Co.	Warren #54	21-1S-34 E	6-18-46	66 M. C. F. Gas
Marcus Snyder	Buzzetti Corkin #5	16-1S-32E	6-26-46	60 M. C. F. Gas
Marcus Snyder	Buzzetti-Corkin #4	23-1S-32E	6-26-46	150 M. C. F. Gas
Big Horn Oil & Gas Co.	Warren #53	21-1S-34E	7-3-46	71 M. C. F. Gas
Big Horn Oil & Gas Co.	Warren #55	21-1S-34E	7-20-46	115 M. C. F. Gas
Big Horn Oil & Gas Co.	Warren #56	21-1S-34E	8-16-46	53 M. C. F. Gas

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
		<u>HAYMAKER</u>		
R. C. Tarrant	Williams #1	29-9N-13E	6 - 46	Dry P. & A. (Saved for water well)
		<u>HUNTLEY</u>		
Farmers Union Xeg	Wells #1	31-2N-28E	1-15-46	Dry P. & A.
		<u>KICKING HORSE</u>		
Husky Refg. Co.	Henry #1	17-36N-1E	10-30-46	3100 M. C. F. Gas
		<u>LOTHAIR (UTOPIA)</u>		
Texas Company	Laas #2	14-33N-4E	9-26-46	20000 M. C. F. Gas
		<u>MAXWELL BUTTE</u>		
Pure Oil Co.	State #1	36-2N-51E	9-1-46	Dry P. & A.
		<u>NINE MILE</u>		
MacKinnie Oil & Drg. Co.	Douglas #1	32-1N-34E	4-2-46	Dry P. & A.
MacKinnie Oil & Drg. Co.	Douglas #2	4-1S-34E	4-20-46	Dry P. & A.
MacKinnie Oil & Drg. Co.	Douglas #3	30-1N-34E	5-17-46	Dry P. & A.
MacKinnie Oil & Drg. Co.	Douglas #4	3-1S-34E	6-7-46	Dry P. & A.
MacKinnie Oil & Drg. Co.	Douglas #5	3-1S-34E	7-3-46	Dry P. & A.
MacKinnie Oil & Drg. Co.	Ottum #5	3-1S-34E	7-5-46	Dry P. & A.
		<u>PENDROY</u>		
Jarvis & Marcelle	Flanagan #1	8-27N-5W	10-5-46	Dry P. & A.
		<u>RATTLESNAKE BUTTE</u>		
H. H. Schwartz Jr. et al.	Gov't. 038674 #1-3	22-13N-28E	2 - 46	IP 20
		<u>TETON ANTICLINE</u>		
General Pet. Corp.	Gov't. 085384 #1	3-25N 8W	5-16-46	Dry P. & A.

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>DATE COMPLETED</u>	<u>RESULTS</u>
		<u>WHITLASH</u>		
Western Nat'l. Gas Co.	Iverson #2	9-37N-4E	3-11-46	2,000 M. C. F. Gas
Aikins-Hall	Schaefer #1	23-37N-4E	3-14-46	4,000 M. C. F. Gas
Western Nat'l Gas Co.	Wallace #4	10-37N-4E	10-16-46	2,000 M. C. F. Gas

THERE WERE NO WELLS COMPLETED IN FOLLOWING FIELDS

DURING FISCAL YEAR ENDING OCTOBER 31, 1946

Arnells	Hay Stack Butte
Bears Den	Ingomar
Border	Kremlin
Bow & Arrow	Lake Basin
Bowes	Midway (Brady-Conrad)
Box Elder	Mosser
Clark Fork	Price Dome
Dry Creek	Quinn Dome
Elk Basin	Sherrard
Flat Coulee	Soap Creek
Frannie	Sweet Grass Hills
Havre	Winifred

STATUS OF UNCOMPLETED WELLS AT END OF
FISCAL YEAR ON OCTOBER 31, 1946, NOT PREVIOUSLY LISTED

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>FIELD OR AREA</u>	<u>STATUS</u>
C. W. Massey	Lynde #1	16-6S-35E	Lodgegrass-Good Luck	D.S.I.1250'
Consolidated Pet.	Tribal 2119#1	27-6S-32E	Soap Creek	D.S.I.1804
Dickerson	Dickerson #1	8-9S-51E	Seven Mile	D.S.I.1550
Truesdale et al	Grossey #1	6-20N-18E	Winnifred	D.S.I.2276
Hingham-Hobson <i>161</i>	Flink #1	25-33N-10E	Hingham	D.S.I.4338
Prairie Rose Oil Co.	Thieltgers #1	21-31N-5E	S. W. Chester	D.S.I.1775
Richfield Oil Co.	Weiss #1	20-2S-11 E	Mission	S. D. 2581
Burt-Nelson Oil Dev. Co.	Nelson #1	34-7N-38E	Rosebud	D.S.I. 687
Laurel Oil Co.	Thacker #1	7-2S-24E	Laurel	D.S.I. 25
O. H. Hendrickson	Bratsberg #1	28-28N-1E	E-Midway	D.S.I.1465
K. C. Morton	Swanson #1	22-28N-6W	Gypsy	D.S.I. 25
R. C. Tarrant	Pugsley #1	24-28 ^N -4E	Basin-Coulee	D.S.I. 25
W. L. Durham	Eaton #1	29-1S-3E	Manhattan	D.S.I. 345
R. C. Tarrant <i>0-17</i>	Stanley #1	8-13N-21E	Potter Creek	D.S.I. 670
R. C. Tarrant <i>3-7</i>	Kovich #1	29-15N-19 E	E.Lewistown	D.S.I. 865
Dr. Crosby	Crosby #1	16-1S-31E	Toluca	D.S.I.3545
R. C. Tarrant	Dunn #1	2-15N-20E	E.Lewistown	D.S.I. 755
Ike Taylor <i>0-17</i>	Frazer #1	15-31N-27E	Lepper	D.S.I.2813

STATUS OF UNCOMPLETED WELLS AT END OF
FISCAL YEAR ON OCTOBER 31, 1946. NOT PREVIOUSLY LISTED

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>FIELD OR AREA</u>	<u>STATUS</u>
Pilot Prod. Co.	McFarland #1	18-29N-3W	Williams	D.S.I.2515
H. I. Poston	Wendt #1	11-28N-21W	Roger-Lee	D.S.I.1475
A. B. Chase	Brockway #1	19-8 S -25E	Warren	Drlg.1935
Schrook et al	Clausen #1	27-13N-28E	Rattlesnake Butte	D.S.I.100
Midwest Drlg. Co.	Schnitzmeir #1	14-35N-16E	Cassady	D.S.I.200 <i>Apr</i>
Texas Co.	Govt.084925#1	29-36N-6E	Bears Den	Drlg. 200
R. C. Tarrant	N.P.R.R. #1	1-6N-15E	West Dome	Drlg. 690
R. C. Tarrant	Williams #2	21-9N-13E	Haymaker	Drlg. 400
Union Oil Co.	State #1	16-2N-20E	Twin Buttes	Drlg. 242
Lucky Six Oil Co.	Seifert #1	15-10N-25E	Devils Basin	Drlg. 990
Rock Creek Bench Oil Co.	Nessen #1	36-14N-16E	Rock Creek Bench	Drlg. 105
Texas Co.	Govt.037851 #1	8-32N-32E	Bowdoin	Drlg.1600
Stanolind Oil & Gas Co.	Govt.033064ET 129	27-9S-22E	Elk Basin	Drlg. 92
Fidelity Gas Co.	County #820	19-32N-32E	Bowdoin	Drlg. 150
W. A. Noan <i>sat</i>	Sheets #1	9-31N-1E	Dunkirk	" 85
Linville & Smith <i>sat</i>	Miller #1	1-27N-4W	Pondera	Drlg. 900
Burks-Teigen	Teigen #1	31-15N-25E	McDonald Creek	Drlg. 910
Ted Hawley <i>sat</i>	Skov #1	3-27N-4W	No. Pondera	Drlg.1350

STATUS OF UNCOMPLETED WELLS AT END OF
FISCAL YEAR ON OCTOBER 31, 1946, NOT PREVIOUSLY LISTED

<u>COMPANY</u>	<u>LEASE</u>	<u>LOCATION</u>	<u>FIELD OR AREA</u>	<u>STATUS</u>
Mon-O-Co. Corp.	N.P.R.R. #1	19-7N-19E	Shawmut	Drlg. 4600
Bill Clark	N.P.R.R. #1	9-11N-24E	Devils Basin	Drlg. 3500
Fidelity Gas Co.	Govt. 066153#819	29-32N-32E	Bowdoin	Drlg. 900
Fidelity Gas Co.	Govt. 066153#823	8-32N-32E	Bowdoin	Drlg. 100
Ralph Appeman	Reeves #1	18-34N-19E	Reeves	D.S.I. 880
A. A. Oil Corp.	Parsell #1-A	4-36N-3E	Apex	Drlg. 2007

SUMMARY OF WELLS BY FIELDS
FROM BEGINNING TO OCTOBER 31, 1946

<u>FIELD</u>	<u>Government & Indian Lands</u>			<u>State & Private Lands</u>		
	POW	PGW	P&A	POW	PGW	P&A
Armells.....	-	-	1	-	2	5
Bearsden.....	-	1	2	2	2	5
Berthelote.....	-	-	-	1	-	7
Border.....	-	-	-	12	-	27
Bow & Arrow.....	-	-	-	-	1	6
Bowdoin.....	-	84	-	-	141	106
Bowes.....	-	-	-	-	13	5
Box Elder.....	-	-	-	-	7	9
Brady.....	-	-	-	4	-	6
Cat Creek.....	92	-	82	61	-	31
Cedar Creek.....	-	54	19	-	169	21
Conrad ^M Midway.....	-	-	-	-	-	-
Cut Bank(Inc.Reagan).	352	1	53	686	112	175
Devon.....	-	-	-	3	24	25
Devils Basin.....	-	-	1	3	-	7
Dry Creek.....	2	1	4	5	6	1
Elk Basin.....	21	1	-	33	-	1
Flat Coulee.....	-	-	-	2	-	1
Frannie.....	-	-	-	1	-	-
Fred & George Creek..	-	-	-	-	1	-
Gage.....	-	-	-	8	-	10
Grandview.....	-	-	-	-	1	1
Guinn Dome.....	-	2	1	-	-	-
Hardin.....	-	-	-	-	77	9
Havre.....	-	-	-	-	4	20
Haystack Butte.....	-	-	-	-	2	2

FIELD	Government & Indian Lands			State & Private Lands		
	POW	PGW	P&A	POW	PGW	P&A
Kevin-Sunburst.....	174	18	268	1272	186	1202
Kicking-Horse.....	-	-	-	-	3	1
Kremlin.....	-	-	-	-	1	5
Lake Basin.....	-	-	-	2	3	23
Marias River.....	-	-	-	(2)	4	7
Mosser.....	-	-	2	2	-	9
Pondera.....	-	-	-	172	-	46
Pritchard.....	-	-	-	-	1	2
Rattle Snake Butte.	1	-	1	-	-	-
Sherrard.....	-	-	-	-	1	2
Soap Creek.....	5	-	4	-	1	1
Utopia (Lothair)....	1	-	-	1	2	4
West Pondera.....	-	-	-	-	1	2
Whitlash.....	-	-	-	5	21	20
Winnifred.....	-	-	1	-	1	2
Other Areas.....	-	-	60	-	-	438
TOTAL	648	162	499	2277	788	2245