

STATE OF SOUTH DAKOTA
Nils Boe, Governor

STATE GEOLOGICAL SURVEY
Duncan J. McGregor, State Geologist

Circular 35

SELECTED FORMATION TOPS IN OIL AND GAS TESTS IN SOUTH DAKOTA
DRILLED BEFORE JANUARY 1, 1965

Compiled by
Robert A. Schoon

Science Center
University of South Dakota
Vermillion, South Dakota
1965

INTRODUCTION

The data contained in this circular was compiled to acquaint individuals and organizations with information gained from oil tests drilled in the State of South Dakota. The tabulated data is abbreviated to conserve space. More detailed information may be obtained from the oil test files of the State Geological Survey, Vermillion, South Dakota.

Although most items listed herein are self-explanatory, it is necessary to acquaint the reader with a few of the terms which are used, and to clarify the intended meanings of these terms.

The Dakota Formation as used is the first relatively continuous sand and/or sandstone that occurs below the Greenhorn Limestone. Defined in this manner, the Dakota Formation may include the Newcastle Sandstone, the "Muddy" sandstone, and the Gurley or "D" and "J" sandstones in the southwestern corner of the State (Schoon, 1965). In no case is the term Dakota Formation implied to include any part of the Fall River Sandstone or older formations.

The top of the Minnelusa Group is placed at the top of the Cassa Formation as described by Condra, Reed, and Scherer (1940) and thus may not coincide with the tops previously published for the Minnelusa Group.

The Madison Group consists of the Charles, Mission Canyon, and Lodgepole Formations. These formations are not differentiated, and the top of the Madison Group serves only to mark the top of the youngest Mississippian rocks that occur in any given test.

A persistent shale unit that underlies the Lodgepole Formation was chosen as the top of the Devonian-age rocks. The shale unit may be in part equivalent to the Englewood, Three Forks, or possibly the Bakken Formation. With regard to the Devonian top, the writer was more interested in picking a consistent unit and/or electric log kick than establishing the boundaries of the Devonian System.

A total of 448 oil tests are listed in this compilation, and a county breakdown of the total is found on the following page. It is interesting to note that the western one-fourth of the State has been the site of approximately 74 percent of all drilling activities in South Dakota. The eastern one-half of the western half of the State has been prospected a total of 57 times, or 13 percent of the State total. From the foregoing, it is seen that the west and southwest flank of the Williston Basin has been prospected about six times as often as the east and southeast flanks of the basin. Reservoir rocks and potential reservoir rocks that occur on the basin's western flank are present also on the eastern flank of the Williston Basin. Thus, it can be stated that the western one-fourth of South Dakota is wildcat territory, and the north-central, central, and south-central parts of the State are virtually untested.

It is noted that Hedges (1964) lists 467 tests for South Dakota, whereas this circular lists only 448. This discrepancy comes in part from the fact that in a few cases prior to the year 1930, only the names of tests were recorded and no records were kept. These tests were in large part omitted from this circular. Also, in some instances operators temporarily abandoned a hole and perhaps years later redrilled the hole and designated it as another test. Hedges' compilation lists these tests as the operator designated, whereas this compilation considers the test as a unit and makes exception only if the test has been redrilled by a different operator.

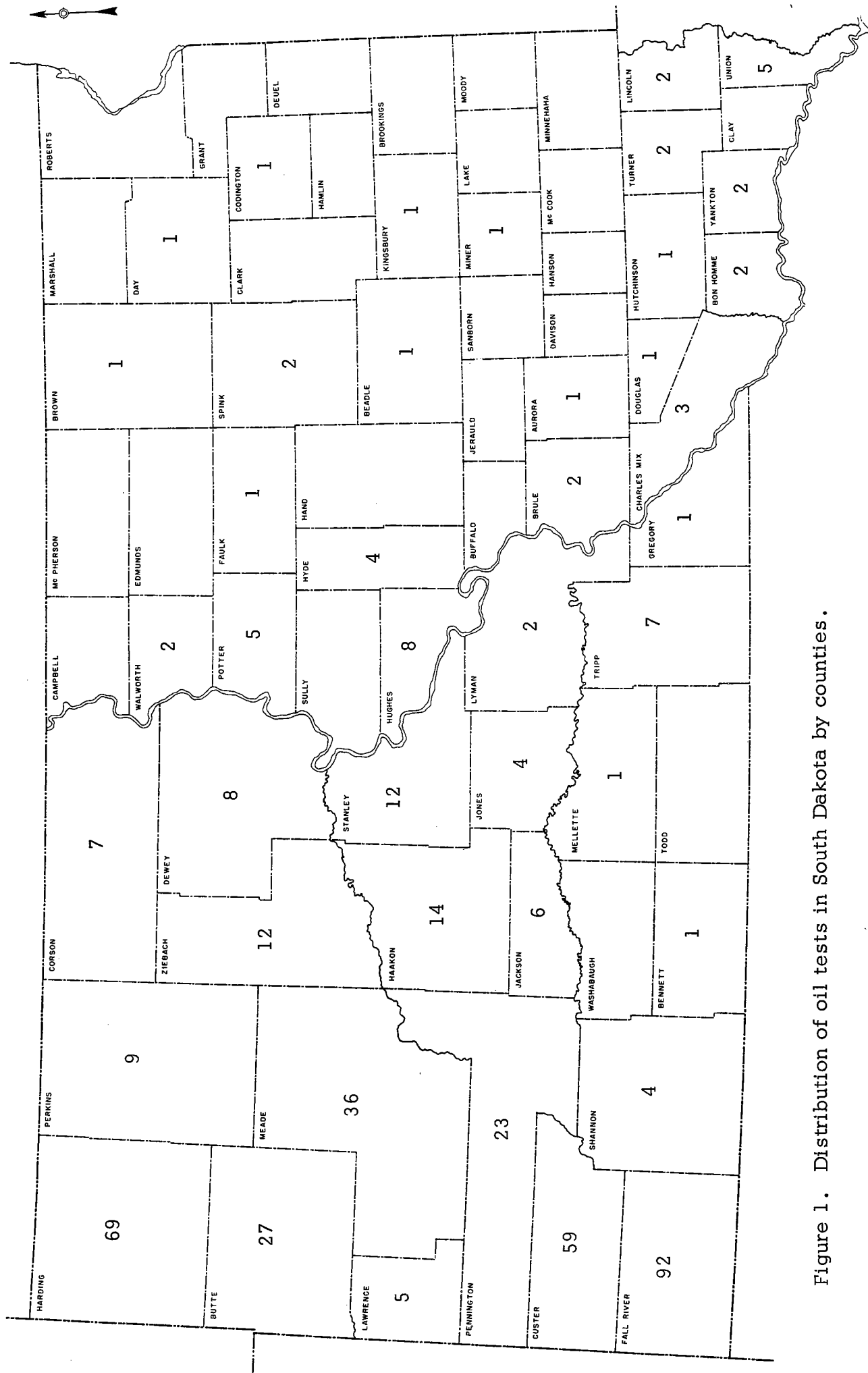


Figure 1. Distribution of oil tests in South Dakota by counties.

ABBREVIATIONS USED IN TABLES

MLL	Microlateral log
ML	Microlog
GR	Gamma-ray log
N	Neutron log
LL	Lateral log
E	Electric log
A	Acoustic or Sonic log
F	Focused log
D	Driller's log
S	Sample log
s	No samples

REFERENCES CITED

- Condra, G. E., Reed, E. C., and Scherer, O. J., 1940, Correlations of the Formations of the Laramie Range, Hartville Uplift, Black Hills and Western Nebraska: Nebr. Geol. Survey Bull. 13, 52 p.
- Hedges, D. J., 1964, List of oil and gas tests in South Dakota before July 1, 1964: S. Dak. Geol. Survey Circular 34, 30 p.
- Schoon, R. A., in press, The Dakota Formation of southern South Dakota: S. Dak. Acad. Science Proc., v. 44.

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Aurora County</u>								
1	1945	M & M #1 Hoefert	NW NW 28-104N-63W	1375±	1082			
<u>Beadle County</u>								
1	1927	Wolsey #1 Kuschow	SW SE 2-111N-64W	1325±	1198			835?
<u>Bennett County</u>								
1	1952	English #1 Kocer	SW SW 30-37N-36W	3079	3370	2382	2715	3155
<u>Bon Homme County</u>								
1	1952	Bon Oil #1 Isaac-Byrne	SW SW 8-93N-59W	1372	876	480	564	
2	1952	Bon Oil #1 Jelsma	SE SE 10-93N-60W	1325	943	450	533	
<u>Brown County</u>								
1	1952	Oil Hunters #1 Raetzman	NE NE 33-125N-65W	1425±	1522	660	970	1347
<u>Brule County</u>								
1	1948	Kucera #1 Biskeborn	NW NW 14-103N-71W	1684K	1368	620	955	
2	1962	Wagner #1 Glaus	NE NE 28-104N-71W	1716	1434	684	900	
<u>Butte County</u>								
1	1953	Amerada #1 State	NW NW 4-14N-4E	3029K	7772	2470	3190	3504
2	1951	Amerada #1 Williamson	NW SW 29-8N-7E	2732K	2316	?		2297
3	1938	Amundson #1 Kayras	SE NE 30-10N-6E	2925±	1106			

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Butte County--continued</u>								
4	1948	Bernard #1 Hafner	SE NE 30-9N-7E	2779K	1155			
5	1940	Blakeman #1 Kayras	SE NE 30-10N-6E	2925 \pm	2860	1740?		2542?
6	1958	Caudil #1A Cunningham	SW NW 9-7N-1E	3423	785			
7	1958	Clark #1 Hartwell	NW NE 30-8N-1E	3610 \pm	1211			
8	1954	Harmon #1 Fishel	NW SE 19-8N-1E	3390	1585			
9	1953	Harmon #1 Geis	NE SW 20-8N-1E	3380 \pm	1321?			
10	1952	Harmon #1 Olson	SE NE 27-9N-3E	3000	4016?			650
11	1953	Harmon Association #1 Strat	NW 5-8N-1E	3270 \pm	1305		?	?
12	1957	Jack-O-Lee #1 Fishel	SW SW 19-8N-1E	3442	1142			
13	1959	Johnson #1 Fishel	SE SW 19-8N-1E	3396K	1214			
14	1962	Miami #1 Government	SE SW 17-11N-3E	3015K	4492	?	?	2120
15	1963	Mobil #1 Mickelson	NE NE 7-9N-9E	2860K	7140	2143	2760	3040
16	1963	Mobil #1 Sipila	NW NW 14-9N-8E	2873K	6335	1830		2752
17	1961	Pure #1 Government	SW NW 27-14N-2E	3337K	7037	2200		3350
18	1949	Seyler #1 Anderson	NW SE 12-8N-5E	2906K	5761	1060		2138

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Butte County--continued</u>								
						E	Gas show 600	4
						s	Unconfirmed gas shows	5
542	696							6
978	1138						Oil show 1152	7
985	1070					E, s	Oil show 1225,1265, DST 1213-1250	8
1064						s		9
2150	2310	2890		3635		S	Oil stain 2385, wild water well	10
?						s		11
930	1025					S	Oil sat. 1090-1116, Cored 1096-1116	12
974	1064					S	Oil show 1190-96,1201- 06, Cored 1196-1206	13
3600	3700	4210?				S		14
4140	4230	5040	5700	5930	7086	E,GRN, A,L,ML	DST 2754-2879,4610-60, 5420-80,6074-6141,6633- 57,6707-27	15
3835	3935	4620	5015	5310	6314	S,GRN, LL,A	DST 2780-2910,4010-25, 4203-19,4697, Cored 6308- 34 $\frac{1}{2}$	16
4740	4850	5352	6270	6390		GRN,A, LL	DST 6948-7032	17
3500	3570	4220	4890	4930		E,S	Oil and gas show in Sundance	18

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Butte County--continued</u>								
19	1948	Seyler #1 Olson	SE 27-9N-3E	3000±	788	Sur- face	420	680
20	1956	Shell #23-23 Johnson	NE SW 23-10N-1E	3293K	4535	?	?	1152
21	?	Stearns #1	SW 28-8N-6E	2770±	2215	?	?	2170
22	1957	Superior #1-33 Indian Creek	SE SW 33-13N-2E	3239K	6561	1875		2995
23	1948	Tepee Buttes #1 Hafner	NW NE 33-9N-7E	2900±	1421			
24	1950	Tepee Buttes #2 Hafner	SW NE 33-9N-7E	2900?	2752	1587	1768?	2625?
25	1933	Vorhees-Tri-State #1 Jermiason	SE SE 35-9N-3E	2990±	478?			400?
26	1933	Wy-Tex #1A Hamilton	SE NE 32-8N-1E	3510±	1529			
27	1964	Kucera #1 Kling	SE SW 13-8N-4E	2950K	2677		730	1004
<u>Charles Mix County</u>								
1	1960	Charles Mix Devel- opment #1 Mach	SE NE 22-94N-64W	1466	1001	575	665	
2	1935	Palensky #1, 1A Wagner	NE SW 15-95N-64W	1725±	2835		865	
3	1940	Palensky #1B (600' SE of 1A)	SE SW 15-95N-64W	1728	5185?		867?	
<u>Codington County</u>								
1	1957	Match #1 Drake	NE SW 10-119N-51W	1899	1275	790?	940?	1025?

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Butte County--continued

						s		19
2640	2750	3270	3990	4010		GRN,S, E,ML	Oil stain 2658, DST 2650- 90,2866-82	20
						s		21
4480	4550	5080	5910	5965		E,ML		22
						s	Gas escaping from casing prior to plugging	23
						GRN to 1'703	Scout report shows me- chanical logs run at TD-- not in SDGS files	24
						s		25
						D	Oil show 1527, Gas show 1255, Lost tools and hole at 1529 (Butte County Oil & Gas Map, Jan. 1965, in error).	26
2407	2500					S	Oil show 1120-1123	27

Charles Mix County

								1	
						1453	s	Oil show (?) 2150-76 SDGS files	2
						1385	s,E 2753- 4905	Oil shows 1300-1400,2752, 3182, Gas shows 1500,3925?	3

Codington County

						1266	S	Oil stain 110-15, Gas shows 1 144-152,325-35	
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No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Corson County</u>								
1	1961	Kilroy #1 Scholl	NE NW 26-18N-21E	2323K	6129	2460		3230
2	1957	Shell #22-12 Evrige	SE NW 12-18N-19E	2231K	6468	2502		3272
3	1957	Shell #11-23 Government	NW NW 23-19N-18E	2385K	5775	2775		3547
4	1952	Shell #1 Winter	NW SW 11-22N-19E	2489K	8445	3028		3790
5	1954	Youngblood #1 Draskovich	SE SE 20-23N-22E	2380K	7465	2795	3252	3503
6	1953	Youngblood #1 Macheel	SW SW 8-21N-19E	2371K	5820	2888	3437	3663
7	1953	Youngblood #1 Winter	SW SW 23-22N-19E	2401K	5820	2930		3705
<u>Custer County</u>								
1	1932	Barker Structure #1 Adams	NE SW 34-6S-2E	4235	1617			
2	1956	B.H. Drilling #1 Government-Rothleut- ner	SW NW 9-6S-2E	4073K	1650			
3	1957	B.H. Drilling #1 Rothleutner	NE NE 8-6S-2E	4091K	1225			
4	1930	B.H. Petroleum #1 Barker	NE NW 34-6S-2E	4182	1510			
5	1931	B.H. Petroleum #1 Rockford	NE NE 33-6S-2E	4175	1390?			
6	1963	Carpenter #1 Cox	NW SE 27-6S-2E	4132K	1541			

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Corson County</u>								
	3872	4400	5260	5810		E,A,F	DST 4470-4558,4583-4743, 5873-97	1
3785	3850	4612	5525	6188		GRN,E, ML		2
4135	4230	5000				GRN,E, ML		3
4385	4450	5285	6378	7178	8433	GRN,E, S	DST 3160-85,3793-3825,5116- 43,5126-43,5175-96,5413-72, 5578-5610,5606-59,5758-5820, 7182-7305,7980-8010	4
4150	4247	4830	5820	6640		E,S	DST 5118-45	5
4246	4320	5122				E,S,GR	DST 5410-30	6
	4335	5160				E,S		7
<u>Custer County</u>								
650	675					D,s	Oil shows 844-65,895-900, 931-65,1270-75,1375-77, 1415-20,1452-73, Gas shows 1070-75,1390	1
555	615					E,S	Oil stains 1200-10,1210- 15,1225-30,1265-85,1445-50	2
538	630					D,s	Lost hole at 1225	3
618	740					D,s	Oil show 1327-40, Oil, sat. 1494-1500, Oil and gas show 985-90	4
?	?					s	Oil at 1328	5
755	828					A	Oil show 1472-75	6

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Custer County--continued</u>								
7	1931	Carter #1	SW SE 19-6S-1E	3690±	405			395?
8	1932?	Carter #2	SW SE 19-6S-1E	3690±	420			300?
9	1956	Continental #1 Harrison	SW SE 24-3S-8E	3208K	1544	662	1100	1507
10	1956	Continental #1 Larson	SW SE 33-2S-8E	3252K	953		548	940
11	1963	Dodgin #1 Coffing	SE NE NW 34-6S-2E	4211	1367			
12	1963	Dodgin #1 Cornelison	SW NW 26-5S-1E	4116K	763			
13	1946	Dyer #1 Government- Christiana	NE SW 30-5S-2E	4332	851			
14	1930	Fairburn #1	SE 19-4S-8E	3280±	740?			630±
15	1957	Gary #1 Bohling	NE SE 21-3S-10E	2864K	2500	1559	2002	2430
16	1957	Gary #1 O'Neill	SW NW 23-3S-11E	2804K	2565	1556	2040	2510
17	1957	Gary #1 Wilsey	NW SW 30-3S-10E	3017K	2530	1619	2025	2471
18	1957	Gary #1 Young	NE NW 21-4S-8E	3465K	1605	660	1113	1538
19	1934	Gokel #1 Govern- ment-Halterman	SW NW 1-6S-1E	4040±	1047			
20	1956	Great Western Eyres #1 Coffing	SW SW 27-6S-2E	4141	1378			
21	1958	Harris #1 Rothleutner	NE SW 7-6S-2E	4040±	1200			

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Custer County--continued</u>								
						s		7
						s		8
						E,ML	Cored 1100-1225,1240-93	9
								10
680						GRN	Production from 1379-1385	11
284	350					GRN	Oil show 745-54	12
	140					s		13
						s	Water at 740± with oil	14
						E,ML,S		15
						E,ML,S		16
						E,ML,S		17
						E,ML,S		18
	141					D,s	Oil show 682-704, Gas show 805-7,908-12	19
568	640					GRN	Oil show 1365, DST 1357- 68	20
407	500					E,S		21

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Custer County--continued</u>								
22	1955	Helms #1 Coffing	NE NW 34-6S-2E	4248	1421?			
23	1955	Helms #1 Robinson	NW SE 34-6S-2E	4214	1650			
24	1953	Helms-Thompson #1 Coffing	SW NW 34-6S-2E	4247	1417			
25	1953	Kucera #1 Coffing	NE NW 34-6S-2E	4146	1506			
26	1953	Kucera #2, 2A Coffing	NE NW 34-6S-2E	4127	1940			
27	1954	Kucera #3 Coffing	NE NW 34-6S-2E	4177	1517			
28	1957	Milburn #1 Robinson	NE SW 34-6S-2E	4219	745			
29	1958	Milburn #2 Robinson	NE SW 34-6S-2E	4219	1455			
30	1921	Mutual Oil #1 Martin	15-6S-6E	3508?	1020			
31	1963	Ozark #1 Coffing	SE NW 34-6S-2E	4236K	1436			
32	1963	Ozark #2 Coffing	SE NW 34-6S-2E	4231K	1931			
33	1963	Ozark #1 Govern- ment Cox	NW NE 34-6S-2E	4137K	1385			
34	1948	Palensky #1 Smith	SE SE 25-4S-7E	3408K	1120		295	690
35	1949	Palensky #2 Smith	SE SE 25-4S-7E	3392	3135		295	690
36	1949	Palensky #1 Streeter	NW NE 15-6S-6E	3508	939			

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Custer County--continued</u>								
695	795					S	Production from 1391-1391 $\frac{1}{2}$	22
688	800					GRN		23
700	805					S		24
583	645					GRN	Oil stains 944-51,1365-77,1452-73	25
556	630	1860				GRN	Spotty oil stain 1448-51	26
614	730					S	Oil stains 1319-20,1332-39,1358, Gas show 1315-1317 $\frac{1}{2}$	27
698								28
698	803					E745-TD	Oil shows 1005-15,1040-55,1070-75,1360-70	29
	130					s	Oil trace 570	30
704	775					GRN, E,A	Production from 1368-88	31
682	778	1855				GRN, E,A	Production from 1363-70	32
590	665					GRN, E		33
						s		34
2122	2209	3095				E,S	Gas show 800?	35
	45	937				S	Oil and gas shows 494, 500-4	36

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Custer County--continued</u>								
37	1957	Phillips #1 Govern- ment Williams	SE NW 26-3S-10E	3025K	2686	1742	2140	2585
38	1955	Pure #1 Ashmore	NE NE 5-6S-8E	3142	1890	1180	1615	
39	1955	Pure #1 Bergmeyer	SW NE 26-3S-9E	3033	2148	1477	1900	
40	1955	Pure #1 Carey	NW NW 35-4S-8E	3234	1820	1105	1549	
41	1955	Pure #1 Government A	SW SW 14-4S-10E	2896	2347	1685	2070	
42	1955	Pure #1 Government B	NW SE 20-5S-9E	2976	2138	1625	2045	
43	1955	Pure #1 Keliher	NW SW 33-2S-10E	2919	2124	1418	1860	
44	1955	Pure #1 Stabelfeldt	SE NE 26-2S-8E	3408	1425	695	1220	
45	1956	Shallow Rock #1 Coffing	SE NW 34-6S-2E	4243	1557			
46	1955	Shell #1 Engelbrecht	SW SW 24-6S-8E	3036K	2882	1670	2120	2560
47	1955	Shell #1 Evans	NE NE 35-2S-9E	3091K	2602	1400	1850	2265
48	1955	Shell #1 Flier	NW SE 5-3S-11E	2864K	2892	1650	2080	2540
49	1960	Sparks #1 Cornelison	SW SW 26-5S-1E	4060	942			
50	1962	Sterling #1 Flier	SW NW 29-2S-11E	2965K	3244	1740	2215	2655

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Custer County--continued</u>								
						E,ML	Cored 2165-2245,2310- 2371,2611-86	37
						E		38
						E,S	Gas show 1014-1114	39
						E		40
						E,S		41
						E	Cored 2045-73,2131-38, Lost hole	42
						E,S	Cored 1845-95,2034-77	43
						E	Gas show 1365	44
696	846					s	Oil show 1546-1557, Inter- val from 1452-1546 pro- duced 10 barrels of oil by bailing--interval of oil unknown	45
						E,S	DST 2565-2605,Cored 2037- 2283	46
						E,S		47
						E,S	DST 2074-2103,2241-54, 2740-57, Cored 2072-2282	48
92	150					GRN	Oil shows 725-30,826-37	49
						E,ML		50

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Custer County--continued</u>								
51	1962	Sterling #1 Ireland	NE NE 28-2S-11E	3049K	3420	1870	2307	2778
52	1962	Sterling #1 Kosturas	NE NE 25-2S-10E	3095K	3333	1810	2264	2700
53	1962	Sterling #1 Scism	SE NW 13-3S-10E	2967K	3060	1680	2118	2567
54	1948	Voice #1 Coffing	NW NW 34-6S-2E	4154	420			
55	1960	Wagner #1 Government	SW SE 26-5S-1E	4019	891			
56	1958	Wagner #1 Kline	SE NE 33-6S-2E	4212	1454			
57	1958	Wirkkala #1 Johnson	NW NW 35-6S-2E	4111	1450			
58	1958	Wirkkala #1 Robinson	NW SW 34-6S-2E	4211	1454			
59	1964	Seppala #1 Hey- Government	SW NE 34-6S-2E	4222K	1407			
<u>Day County</u>								
1	1953	Oil Ventures #1 Naessig	NE SE 32-121N-55W	1838	1602	1094	1354	
<u>Dewey County</u>								
1	1955	Herndon #1 Merkel	SE SE 27-17N-27E	1909K	4324	1685	2179	
2	1955	Herndon #1 O'Leary (100' farther west)	SE SW 13-15N-23E	2236K	4214	2105?	2565?	2883?
3	1955	Herndon #1A O'Leary	Center SE SW 13-15N-23E	2236K	5147	2152	2678	3060?

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Custer County--continued

						E,ML		51
						E,ML		52
						E,ML		53
						s		54
150	300					S	Dead oil stains 828-38, 844-46,864-68,881-88, Gas show 875-80	55
649	722					S	Gas show 1347-49, Cored 1347-1406,1430-54	56
680	795					S		57
715	795					S		58
695	810					AL,GR	Oil stains 670-720,1280- 85,1370-71,1402-04, DST 1350-1408, Cored 1361- 1373,1397-1407	59

Day County

1550						S,E		1
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Dewey County

2825	3252	3915	4222			GRN,E, S		1
3300?	3957?						Lost tools in Mission Canyon at tops reported by company geologist	2
3190	3990	4648	5032			GRN,E, S		3

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Dewey County--continued</u>								
4	1955	Herndon #1 State	SW NW 34-13N-24E	2368K	4897	2130	2665	
5	1953	Kerr-McGee #1 Government-Cook	NW SW 32-13N-22E	2357K	5993	2208	2706	2965?
6	1938	Penn Drilling Company #1	? ?-14N-22E	?	1534	?		
7	1953	Youngblood #1 Galvin	SE SE 25-16N-22E	2289K	6325	2274	2770	3025?
8	1964	Pendak #1 Cowan	SE SE 21-13N-22E	2300K	5700	2168	2675	2910
<u>Douglas County</u>								
1	1953	Douglas #1 Clark	SW NW 5-98N-64W	1596	1315	645	745	
<u>Fall River County</u>								
1	1950	Amerada #1 Manders	Center 30-10S-8E	3381K	1829	1145	1567	
2	1945	Amerada #1 Moody	SW NE 8-12S-6E	3652K	4980	1698	2136	2560
3	1946	Amerada #1 State College	SW SW 27-8S-7E	3366	4548	1338	1773	2150
4	1951	Amerada #1 Strat	NW NW 29-9S-7E	3314K	1596	940	1400	
5	1950	Amerada #43 Strat	SE NW 34-10S-8E	3293K	1665	1055	1470	
6	1951	Amerada #45 Strat	N $\frac{1}{2}$ S $\frac{1}{2}$ 11-10S-6E	3480K	1869	1215	1775?	
7	1950	Amerada #81 Strat	NE NE 28-10S-7E	3509K	2009	1120	1520	1930

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Dewey County--continued</u>								
	3160	3824	4460	4755		GRN,E,S		4
	3295	4070	4725	5032		GRN,E,S, ML	DST 4310-75,5035-80,5150- 5230,5682-5722	5
						s		6
	3480	4135	4870	5305	6289	E,S	DST 4391-4568	7
3285	3420	4019	4600	5010		E,GR,AL, A,S	Oil shows 5047-49,5051-71, Oil rainbows 5013-25, Swab test 5047-49, DST 5010-?, Recovered fresh water 5051-71	8
<u>Douglas County</u>								
				1306		E,S		1
<u>Fall River County</u>								
						E,S		1
3670	3770	4806			4865	E,S	DST 4520-25	2
3404	3500	4450				E,S	Cored 4087-4548, Lost hole	3
						E,s		4
						E,s		5
						E,s		6
						E,s		7

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Fall River County--continued</u>								
8	1951	Amerada #85 Strat	Center 13-10S-6E	3383K	2114	1217	1655	2100
9	1946	Amerada #1 Voorhees	NE SW 25-10S-8E	3332	4143	1060	1475	1925
10	1916	Ardmore Oil #1	NW SW 9-12S-4E	3351	1735?	?	1100	1530
11	1957	B & W #1 Gull	SW NE 26-8S-3E	4019K	2100			
12	1944	Bell #1 Bell	NW SE 8-8S-3E	3561	2214			
13	1925	Big Three #1 Government	NW NW 19-7S-1E	3570±	910		322	595
14	1954	Burrows #1 Government	NE SW 1-10S-2E	3759	1314	335	962	1195
15	1942	Continental #1 State	SE NW 36-8S-3E	4035	2330?			
16	1959	DakotaMont #1 Burg	NE NE 24-8S-6E	3280	1729	1195		
17	1930	Dillon #1 Huff	NW 24-10S-1E	3750±	1568			1202
18	1962	Elk #1 Martinson	NW NW 24-8S-2E	3605K	2545		?	240?
19	1962	Fremont #1 Jones	NW NE 26-10S-6E	3542K	1676	1130	1545	
20	1962	Fremont #1 Muhm	SW SE 24-10S-6E	3574K	1894	1224	1642	
21	1962	Fremont #1 State	SE SW 22-10S-6E	3594K	1902	1148	1590	
22	1957	Gary #1 Kimblom	NW NE 2-12S-8E	3613K	3105	2339	2720	

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Fall River County--continued

						E,s	Gas show 1656-61, DST 1656-61	8
3065	3135				4120	E,S		9
						s		10
1325	1505					S	Gas show 2038-44	11
1160	1335					s	Oil show 1900-35	12
						s	Oil and gas show 962-1000, Gas show 140-47	13
						S		14
1120	1330	2260?				S		15
								16
								17
1605	1674					E-1600- TD,S	Spotty oil stain 2510-40, (This test deepened #34 Island View #1 Martinson)	18
						E,S	DST 1546-78	19
						E,ML, S	DST 1645-71	20
						E,ML, S		21
						E,S		22

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Fall River County--continued</u>								
23	1957	Gary #1 Lounsberry	SW NE 28-11S-6E	3753K	2803	1864	2315	2752
24	1957	Gary #1 Pettegrew	SW SE 30-11S-7E	3560K	3161	2261	2700	3105
25	1957	Gary #1 Rasmussen	NE NE 21-8S-8E	3242K	2566	1694	2150	2520
26	1958	Gary #1 State	SE SE 25-10S-5E	3772K	4782	1505	1980	2395
27	1957	Gary #1 White	NE NW 3-10S-9E	3071K	2180	1264	1660	2100
28	1942	Gilbreath #1 Christensen	SE NE 5-11S-4E	3500± 50	255			
29	1956	Helms #1 Gull	NW NE 26-8S-3E	3830±	145			
30	1946	Hollingsworth #1 Childers	SE NW 23-8S-2E	3570± 10	2537			236
31	1925	Hollingsworth #1 Cleveland Stone (Rey Canyon)	NE SW 17-8S-3E	3600± 10	2230			
32	1962	Hughes #1 Anderson	SE SW 33-11S-4E	3533K	1805	475	940	1300
33	1963	Interior #1 Putnam	SE SW 30-10S-8E	3389K	4088	1170	1580	1985
34	1958	Island View #1 Martinson	NW NW 24-8S-2E	3608K	2540			240
35	1941	Kiowa #1 Christenson	NW SW 4-11S-4E	3500±	340?			
36	1929	Kunde #1 Shiloh	NE NE 1-11S-3E	3525	1562	425?	1050?	1292?

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Fall River County--continued</u>								
37	1933	Lakota Development #1 Kunde-Shiloh	NE SE 20-10S-4E	3600± 50	3250		416	780?
38	1951	Lakota Petroleum Corp. #1 Houghton	SW NE 34-9S-5E	3625	2528			131
39	Pre 1946	Norbeck-Nicholson #1	Center 35-10S-1E	3850± 50	3907			
40	1930	Northwest Explo- ration #1 Cork	SE NW 5-9S-3E	3600± 50	740			400?
41	1958	Ohio #1 Hedrick	SE NE 25-9S-7E	3413	4617	1470	1890	2300
42	1932	Osage Trust #1 Moody	NE SW 6-12S-6E	3700± 50	3029?	1630	2213	2608
43	1930	Pacific American- Rapid City Syнди- #1,2	SE SW 21-7S-5E	4260	1212			
44	1949	Pacific Western #1 Government Christiana	NW SW 10-11S-1E	4100±	4080	615	1228	1450
45	1963	Pan American #1 Socony Mobil	NW NW 29-11S-1E	4171K	4136	880		1710
46	1957	Phillips #1 Government A	SE NW 20-7S-9E	3234K	2655	1754	2170	2568
47	1957	Phillips #1 Government B	SW SW 5-11S-2E	4089K	1935	1010	1522	1850
48	1957	Phillips #1 Madsen	NE NW 21-11S-4E	3489K	1140	167	665	1051
49	1947	Provo Oil #1 Soske	NE SW 2-10S-2E	3647	3072	220		1087
50	1955	Pure #1 Barta	NW SW 4-8S-9E	3250	2370	1710	2140	

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Fall River County--continued</u>								
1690?	1800?	2785?			3240?	s		37
1705	1780					E,S	Oil stains 100-57,1920-30, 2305-15,2405-15,2470-75	38
		3750±				s		39
						s		40
3580	3655	4525?				GRN,E, Perf., S	Oil show 3990-4000, DST 4027-42, Lost hole and tools at 4617	41
						S	Oil show 2608-13,2759-70, 2803-19,2822-40,3300	42
					1115	s		43
2690	2755	3947				E,S	Oil shows 1320-1430?, 3445-55,3605-30,3680-85, Gas shows 3535-45,3650-60, DST 3540-62,3594-3657	44
2870	2940	4110				A,GRN, E,S	DST 3579-3607,3681-3704, 4036-60	45
						E,ML, S		46
						E,ML, S		47
						E,S		48
2372?	2600?					E,s	Oil show 3040-60	49
						E,S	Gas show 2233	50

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Fall River County--continued</u>								
51	1957	Pure #1 Government C	SE SE 3-7S-9E	3150	2357	1690	2135	
52	1956	Pure #1 Government D	NW SE 3-11S-2E	3901	1630	905	1412	
53	1956	Pure #1 Government E	NE NE 10-12S-4E	3659	1747	1070	1525	
54	1956	Pure #1 Landers	SE NE 24-10S-4E	3483	1162	442	910	
55	1956	Pure #1 Peters	SW NW 23-9S-6E	3306	1220	510	965	
56	1956	Pure #1 Pettegrew	SE SE 2-11S-7E	3486	1943			
57	1956	Pure #1 State	SE NW 36-9S-7E	3373	2360	1737	2085	
58	1956	Pure #1 Whetstone	NE NE 6-10S-7E	3395	1927	1230	1695	
59	1957	Raymond #1 Goodnick	NW SW 23-11S-9E	3332K	1740	1074	1468	
60	1957	Raymond #1 Govern- ment-Mitchell	SW SW 28-11S-1E	4009K	1510	730	1222?	
61	1955	Shell #1 Sides	SE NW 32-8S-9E	3241K	2735	1640	2069	2450
62	1955	Shell #1 Thompson	SW NE 2-8S-8E	3142K	2720	1640	2065	2430
63	1917	Shiloh Oil & Refin- ing #1 Shiloh	NE SE 29-10S-4E	3537	2200	?	?	?
64	1963	Sun #1 Wallway- Government	SE NE 12-9S-1E	3838K	3247	285	730?	1115
65	1922	Thompson #1	NE NW 24-9S-3E	3400± 50	1500			

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Fall River County--continued

						E,S		51
						E,S		52
						E,S		53
						E,S		54
						E,S		55
						E,S	Hole bottomed in Carlile Shale	56
						E,S		57
						E,S		58
						E,S		59
						ML,S		60
						S,E,ML	DST 2553-80	61
						S		62
						s		63
2264	2355					A,GRN,E, S		64
						s	No other information	65

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Fall River County--continued</u>								
66	1956	Trusteed-Whitcher #1 Rosenquist	NW SE 33-9S-5E	3558	723		?	442
67	1953	Voss-Mars #1 Porter	NW SE 20-9S-2E	3623K	2865			710
68	1955	Weir #1 State	SE SE 27-9S-5E	3463K	2400		?	308
69	1926	Western South Dakota Oil & Gas #1	SE SE 19-9S-8E	3400±	70			
70	1946	Woodward #1 Eckard	SW NE? 21-11S-4E	3493	835	300		
71	1946	Woodward #2 Eckard	SE SW 21-11S-4E	3491	895	?	883	
72	1946	Woodward #1 Hill	SE NW 28-11S-4E	3528	930	295	877	
73	1946	Woodward #1 McDonald	NW NE 8-12S-4E	3529	1203	?	1153?	
74	1944	Woodward #1 Schmidt	SW SW 4-12S-4E	3550	1315	495	1050	1307
75	1945	Woodward #2 Schmidt	SW NW 4-12S-4E	3536	1315	435	995	1255
76	1946	Woodward #3 Schmidt	NW NW 9-12S-4E	3550	1145	530	1105	
77	1946	Woodward #4 Schmidt	NE NW 4-12S-4E	3525	3175	440	1010	1270
78	1947	Woodward #5 Schmidt	SE NW 4-12S-4E	3568	1860	470	1060?	1315
79	1946	Woodward #1 Turnbull	NE SE 8-12S-4E	3545	1263		1195	
80	1946	Woodward-Morton #1 Government-Macon	NE SW 4-10S-4E	3484	3005		185 Base	440

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Fall River County--continued

						S		66
1980	2150	2850				S	DST 2765-72	67
1682	1790					LL,P, S	Oil shows 2050-65,2080-90	68
						s	Confirmation hole ?	69
						S	Gas show 886-94	70
						S	Gas show 912-915	71
						S		72
						S	Gas shows 260-70,495-535, 970-75,1005,1051-55,1076- 85	73
						S		74
						S	Gas shows 190,245,1020-30	75
						S	Gas show 1130-42	76
2390	2490					E,S	Oil saturation 1745-80, DST 1720-1805	77
						S	Oil show 1060-75,1320-40, Gas show 1065-1110	78
						S		79
1780	1850	2880				S		80

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Fall River County--continued</u>								
81	1959	Wright #1 Benson	SW SE 14-8S-6E	3215	1655	870	1375	
82	1951	York-Newell #1 Landers	SW SE 3-10S-5E	3640	800		678	785
83	1964	Colonial #1 Bailey	SE SW 18-9S-6E	3359K	2692			458
84	1964	Conroy #1 Helsel	SE SE 25-9S-3E	3448K	2485			
85	1964	Conroy #1 State	NW SW 24-7S-1E	3577K	2480			50
86	1964	Conroy #1 Trotter- Lane-Federal	SW NE 21-7S-2E	3821K	2225			
87	1964	Conroy #1 Wulf- Ideen-Federal	SW SW 15-9S-2E	3586K	3054			700
88	1964	Cramer #1 Wilkinson	NE NE 27-10S-6E	3591K	1630	1160	1590	
89	1964	Dolezal #1 Darrow	SE SE 2-7S-1E	3797K	2450			230
90	1964	Mule Creek #1 Government	SE SE 10-8S-9E	3307K	2871	1730	2189	2570
91	1964	Pan American #1 Government-Dorough	NW NW 6-12S-1E	4009K	4185	840	1325	1670
92	1964	Sun #1 Lance- Nelson	NE SE 21-7S-1E	3535K	3057			366
<u>Faulk County</u>								
1	1952	Hunt #1 Gutenkauf	NE NE 20-118N-72W	1940	2745	1180	1545	1955
<u>Gregory County</u>								
1	1964	Cahill #1 Gustafson	SW NW 23-97N-73W	2130K	2205	1190	1390	

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Fall River County--continued

						E,S	Oil show 1880-82	81
						S	No other information	82
1826	1900					A,GR, E,S		83
1350	1415					LL,S, GR,A		84
1395	1470					LL,S, GR,A,E	DST 2082-92,2089-2091 $\frac{1}{2}$	85
1120	1207					LL,S, GR,E	DST 1415-17 $\frac{1}{2}$	86
2010	2100					LL,S, GR,A,E	Gas shows 955-57 $\frac{1}{2}$,2230-32, 2705-50, DST 2705-50	87
						E,S	DST 1586-1633	88
1480	1570					LL,S, GR,A,E	DST 1688-90, Cored 2155- 2206	89
						E,ML,S	Cored 2156-2211	90
2830	2900	4128				LL,E, GR,A,S	DST 3660-3739,4000-55	91
1726	1895	2990				LL,S, GR,A	Slight gas show 2390- 2400, DST 2315-33,2390- 2400	92

Faulk County

	2250	2735				S,ML,E	DST 2334-2418,2500-75, 2418-26,1180-1210	1
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Gregory County

	1950	2180?				S		1
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No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Haakon County</u>								
1	1925	Bierwagen-Norbeck- Pohle #1	SW SE 11-6N-21E	2079	1700			
2	1931	Bierwagen-Norbeck- Pohle #2	NE SW 11-6N-21E	?	518			
3	1934	Bierwagen-Norbeck- Pohle #3	NE NW 11-6N-21E	2079	2080	1397	1894	
4	1952	Carter #1 Danielson	SE NW 5-3N-22E	2466K	4500	2052	2305	2750
5	1953	Kerr-McGee #1 Chute	SW SW 33-3N-19E	2633K	5482	2200	2515	2960
6	1922	McDonald #1	SW SW 16-7N-22E	1820± 20	300			
7	1954	Pohle #1 May	NE SE 21-4N-18E	2568K	5556	2240	2610	2990
8	1951	Pohle #1 State	NE SE 16-4N-18E	2523K	4743	2172	2540	
9	1956	Pohle-Pistulka- Ballard #1 Govern- ment	SW NE 21-7N-22E	1850	1910	?	?	1850?
10	1921	South Dakota Company #1	NE NE 20-7N-22E	1850	?			
11	1922	South Dakota Company #2	NE SE 21-7N-22E	1881	?			
12	1922	South Dakota Company #3	SW SW 27-7N-22E	2182	?			
13	1922	South Dakota Company #4	SW SW 23-7N-22E	1855	?			
14	1922	South Dakota Company #5	SE SW 22-7N-22E	2009	?			

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
						<u>Haakon County</u>		
						s		1
						s		2
						s	Gas show 2070-80, the formation tops listed are reported--not verified	3
3105?	3150	3915	4295			GRN,S, E,ML	DST 1598-1634,3986-4038	4
3370?	3460	4290	4827	4890		GRN,S, E,ML	DST 4394-4404,4832-82	5
						s	Shallow gas test--not completed	6
3425	3515	4290	4830	5040		GRN,E, ML,S	Oil shows 4400,5330-40, 5355-70, DST 4039-69	7
3379	3530	4030				E,S	Lost hole, drill pipe collapsed at 4193	8
						S		9
						s	Shallow gas test	10
						s	Shallow gas test	11
						s	Shallow gas test	12
						s	Shallow gas test	13
						s	Shallow gas test	14

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Harding County</u>								
1	1955	Amerada #1 Government	NE NE 31-16N-2E	3324	3640	2509	3253	3600
2	1956	Amerada Govern- ment-Davis	SE SE 19-16N-2E	3382	3865	2617	3394	3680
3	1956	Amerada #1 Govern- ment-Ellis	SE SE 24-17N-1E	3947K	8360	3300	4047	4380
4	1956	Amerada #1 Govern- ment-Holland	SW SW 8-15N-2E	3227K	3450	2290	3052	3385
5	1954	Amerada #1 State A	NE NE 1-16N-1E	3537K	3994	2895	3665	3965
6	1960	Cardinal-Sun- Clarkson #1 State	SW NW 6-21N-4E	3118K	8667	3521		4508
7	1959	Cardinal #1 Travers	SE SE 17-22N-5E	3093K	9005	3755		4672
8	1959	Carter #1 Argo- State	SW NW 14-21N-3E	3157K	8550	3465	4130	4450
9	1953	Carter #1, 1A Hendriks	SW NW 2-20N-3E	3249K	9052	3357	4035	4300
10	1959	Carter #1 Travers	SW SE 31-21N-4E	3095K	8440	3382	4050?	4315
11	1958	Clarkson-Schlaikjer #1 Government	SE NW 23-21N-3E	3184K	8645	3425		4390
12	1959	Clarkson-Schlaikjer #1 Graves	SW NE 23-21N-3E	3190K	8514	3455	4102	4410
13	1928	Gas Development #1 Government-Lelivelt	SW NE 7-22N-3E	2950± 50	1210			
14	1953	Hunt #1 Peterson	NW NW 7-20N-3E	3117K	9052	3475	4190	4450

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Harding County</u>								
						E,S	DST 3341-?	1
						E,S		2
5763	5845	6320	7442	7715		GRN,S, E,ML	DST 7944-56	3
						E,S	DST 3068-3124	4
						E,ML,S	DST 3694-3749	5
6010	6085	6700	7960	8620		GRN,S	DST 8659-67, Production from Red River	6
6110	6173	6870	8185	8885		GRN,S	Oil shows 8924-65,8967- 9005, DST 8924-65,8967- 9005, Abandoned	7
5970	6085	6675	7950	8495		GRN,S, ML	Swab test 7 BFPH 5-10% oil from 8534-50	8
5870	5985	6545	7630	8358		GRN,E, S	DST 1680-1811,2950-3085, 3443-79,5283-5343,6240-54, 6733-88,6969-7026,8364-93, 8361-99,8411-57,8457-8565	9
5910	6005	6568	7630	8343		ML,LL, S,GRN	Completed as producer 10-11-59, Abandoned 7-27-60	10
5952	6050	6633	7880	8435		GRN,S	DST 8460-8511, Production from 8474-84	11
5976	6075	6643	7905	8445		GRN,S	Production from 8484-98	12
						s	Gas show 1200	13
5925	6010	6535	7760	8445		E,S	DST 7051-7160,7188-7300	14

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Harding County--continued</u>								
15	1955	Hunt #1 State C	SW NE 23-18N-1E	3176K	7901	2640	3350	3712
16	1963	Jones #1 State	SW NE 35-18N-1E	3277K	7914	2720	3455	3800
17	1932	Kennedy-Miller #1	NW NW 34-20N-1E	3097K	2200			
18	1959	Mid-America Min- erals #1 Gardner	SW NW 1-20N-3E	3167K	8502	3324		4305
19	1958	Mid-America Min- erals #1-17 State	NE SE 17-21N-4E	3074K	8657	3440	4120	4420
20	1959	Mid-America Min- erals #2-16 State	SW NW 16-21N-4E	3081K	8589	?	?	?
21	1959	Mid-America Min- erals #3-16 State	SW SE 16-21N-4E	3083K	8585	?	?	4490
22	1906- 1937	Miller #1	NE SE 3-18N-1E	3175± 50	1395			
23	1957	Mobil #F-21-9-G Willett	SE NW 9-22N-1E	3059K	8810	3420	4095	4425
24	1944	Northern Ordinance #1 Government	SE SE 32-15N-2E	3328K	7038	2280?	2680?	2900?
25	1943	Northern Ordinance #1 State	SW SW 1-17N-1E	3432K	8000	2870	3582	3946
26	1956	Ohio #1 Evenson	NW NW 28-21N-1E	3175K	8894	3342	4020	4380
27	1963	Pennzoil #32-4 State-Clarkson	SW NE 4-21N-4E	3015K	8695	3440?	4154?	4512?
28	1963	Phillips #1 Thune	SW SE 5-21N-4E	3038K	8742	3448	4122	4458
29	1963	Phillips #2 Thune	SW SW 5-21N-4E	3049K	8759	3495		4450

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Harding County--continued</u>								
5120	5200	5695	6870	7250		GRN,E, S		15
5208	5280	5750	6770	7250		E,ML,S	DST 7723-7910,7838-7910	16
						D	Gas shows 600,985	17
5848	5915	6490	7765	8385		GRN,S	DST 7157-7203,8418-45, 8414-34	18
5980	6072	6570	7865	8520		LL,ML, S	Production from 8522-74	19
5960?	6042	6620	7862	8522		GRN,S	DST 8553-89, Production from 8565-75	20
5950	6025	6640	7900	8525		GRN,S	Production from 8567-77	21
						s		22
5965	6040	6560	7760	8530		GRN,E, ML,S	DST 8564-8641	23
4850	4895	5340	6325	6570		E,S	Gas and oil show 4500-70, DST 5595-5650,4400-10, 7025-38	24
5325	5400	5865	7010	7385		E,S		25
5889	5948	6421	7700	8240	8836?	LL,S, E,ML	DST 8269-81,8283-8305	26
5975?	6100?	6575	7978	8618		GRN,LL, S	Oil show 8665-8680, DST 8665-8680	27
5930	5995	6555	7928	8550		MLL,GRN, L,S	DST 8593-8614, Well flowed gas, Production from 8597- 98	28
5915	5985	6545	7915	8533		A,GR,S	DST 8568-72,8736-48, Production from 8574-76	29

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Harding County--continued</u>								
30	1955	Richfield #1 State A	SE SW 16-17N-4E	3133K	8236	2992	3660	4007
31	1960	Schlaikjer-Clarkson #1 Clarkson	SW SE 23-21N-3E	3220K	8525	3466	4133	4447
32	1953	Shell #1 State A (Shell #34-9 State)	SW SE 9-21N-4E	3065K	9329	3520		4475
33	1959	Shell #12-3B Brown	SW NW 3-20N-5E	3084K	8644	3627	4282	4652
34	1957	Shell #32-27 Government	SW NE 27-20N-5E	2996K	8575	3388	4042	4485
35	1957	Shell #32-17 Graves	SW NE 17-21N-4E	3121K	8824	3472?	4161?	4428?
36	1957	Shell #32-17R Graves	SW NE 17-21N-4E	3135K	8636			
37	1959	Shell #14-28 Haivala	SW SW 28-21N-4E	3157K	8613	?	?	?
38	1960	Shell #34-2A Haivala	SW SE 2-20N-4E	3025K	8439	3410	4042	4407
39	1957	Shell #14-4 Johnson	SW SW 4-21N-8E	2804K	8926	3570		4413
40	1959	Shell #12-17B Johnson	SW NW 17-20N-5E	2987K	8473	?	?	?
41	1959	Shell #34-29 Johnson	SW SE 29-21N-4E	3178K	8607	?	?	?
42	1959	Shell #32-31 Niemi	SW NE 31-20N-5E	3065K	8386	3432	4070	4470
43	1959	Shell #32-11A Seppala	SW NE 11-20N-4E	2978K	8338	?	?	?

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Harding County--continued</u>								
5410	5470	6010	7140	7535		GRN,S, E,ML	DST 3725-3909	30
5970	6035	6650	7913	8455		GRN,S	DST 8486-8526,8494-8508, 8615-44, Produced 15 BOPD, Plugged 7-7-60	31
5969	6025	6650	7948	8550		ML,LL,S	DST 4473-87,6561-6602, 6863-82,6981-96,7060-7114, 8589-8604,8663-79,8715-45, Production from 8587-8600	32
5965	6050	6690	7935	8590		ML,GRN, S	DST 8615-44	33
5762	5850	6470	7680	8312		LL,ML, E,GRN,S	Oil shows 8364-8461,8458- 8519, DST 8315-65	34
5993	6060	6687	7967	8567		LL,ML, GRN,S	DST 8607-69,8669-8720, 8723-73, Produced from 8608-24, Plugged 9-1-60	35
		6608?	7964	8589		S	Production from 8630-36, Replacement test for #35	36
6055	6636?	6724	8050	8557		GRN,S	Production from 8601-03	37
5840	5900	6545	7765	8377		GRN,S	Produced from 8418, now shut down	38
5723	5810	6420	7822	8663		GRN,E, S	DST 8684-8716,8768-8817	39
?	?	?	7828	8419		S	Oil show 8450-73, DST 8448-73	40
?	?	?	?	8565?		S	Produced from 8602-07, Plugged 5-11-61	41
5832	5908	6535	7750	8333		GRN,S		42
?	?	?	?	8299		S	Production from 8331-38	43

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Harding County--continued</u>								
44	1960	Shell #12-20 State	SW NW 20-21N-4E	3136K	8615	3535	4158	4500
45	1960	Shell #12-28 State	SW NW 28-21N-4E	3213K	8710	3626	4285	4640
46	1959	Shell #12-35F State	SW NW 35-22N-4E	3199K	8910	3750		4730
47	1959	Shell #14-4 State	SW SW 4-21N-4E	3012K	8730	3460		4410
48	1959	Shell #14-9 State	SW SW 9-21N-4E	3070K	8604	?	?	?
49	1960	Shell #14-15 State	SW SW 15-21N-4E	3061K	8609	3485		4490
50	1959	Shell #14-16 State	SW SW 16-21N-4E	3084K	8588	?	?	?
51	1959	Shell #14-17 State	SW SW 17-21N-4E	3125K	8581	?	?	?
52	1959	Shell #32-8 State	SW NE 8-21N-4E	2993K	8533	?	?	?
53	1954	Shell #32-9 State	SW NE 9-21N-4E	2996K	8595	3465		4471
54	1954	Shell #32-16 State	SW NE 16-21N-4E	3047K	8720	3460		4418
55	1960	Shell #32-17D State	SW NE 17-21N-5E	3114K	8724	3645		4572
56	1957	Shell #41-23 State	NE NE 23-18N-8E	3040K	8861	3530	4070	4390
57	1959	Shell #12-11 Tilus	SW NW 11-20N-4E	3000K	8380	3395	4030	4370

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Harding County--continued</u>								
6000	6065	6680	7950	8545		GRN,S	Oil show 8580-90	44
6082	6145	6775	8120	8648		GRN,S	Oil shows 6980-90,7820-30,8700-10, DST 8687-8710	45
6202	6270	6790	8190	8848		GRN,S	DST 8887-8910	46
5910	5980	6610	7905	8535		GRN,S	DST 8570-92, Production from 8575-76.5	47
?	?	6562	?	8546		S	Production from 8585-8604	48
5940	6010	6625	7920	8543		GRN,S	Production from 8591	49
5955	6022	6610	7920	8522		ML,S	Production from 8569-71	50
?	?	6589	?	8541		S	Production from 8576-81	51
?	?	?	?	8494		S	Production from 8530-37	52
5909	5970	6618	7900	8535		GRN,S	Produced from 8582-84, Re-completed as pilot injector	53
5940	6040	6625	7860	8510		GRN,E,S	DST 5930-86,6110-6204, 6890-6929,8622-46,8647-68,8691-8719, Production from 8548-61	54
5990	6060	6750	8005	8669		GRN,S	DST 8694-8719	55
5613	5690	6358	7535	8155		GRN,E, ML,S	DST 8157-8214,8240-8340	56
5825	5910	6510	7725	8323		GRN,S	Production from 8365-67	57

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Harding County--continued</u>								
58	1959	Shell #32-32 Travers	SW NE 32-21N-4E	3116K	8524	?	?	?
59	1955	Shell-Carter #1 Clarkson-Hansen	NE NE 28-21N-3E	3221K	9050	3351	3995	4285
60	1960	Signal #1 State	SE SE 36-23N-2E	3033K	8633	3226	3888	4240
61	1959	Signal-Gulf #1 Olson	SW NE 23-20N-7E	2814K	8473	3352		4240
62	1954	Stanolind #1 Clark	NE NE 11-22N-2E	3047K	9300	3186	3876	4190
63	1940	State Royalty #1 State	SW NE 35-18N-1E	3270K	7908	2705	3440	3785
64	1956	Sun-Gregg #1 Government	NW SE 21-22N-5E	3408K	9361	4055		4990
65	1963	Texaco #1 Govern- ment-Saterdal	SW NW 12-15N-6E	3039K	7250	2808	3450	3780
66	1961	Texaco #1 State A	NE NW 35-18N-4E	3038K	8819	2972	3640	3960
67	1926	White, Montana- Dakota Utilities #1	7-22N-3E	2950+	985			
68	1964	Mule Creek #1 State	NW NW 16-22N-3E	3169K	8865	3430	4107	4390
69	1964	Phillips #1 Njos	SW NW 34-23N-3E	3201K	9079	3545	4240	4575

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Harding County--continued</u>								
?	?	?	?	8484		S		58
5857	5955	6505	7800	8285		GRN,E, LL,ML,S	DST 4967-5052,8151-8233, 8260-8341,8352-8412,8414- 84	59
5810	5890	6512	7862	8416		GRN,LL, S	DST 6807-73,6987-7054, 8464-79,8528-50	60
5535	5612	6286	7528	8255		GRN,ML, S	DST 8269-8310	61
5775	5840	6490	7770	8400		GRN,LL, ML,S	Several oil shows between 8440-8628	62
5188	5270	5770	6755	7230		E,S	Oil stains 5845,5937-53, 6108-16,6475-6525,6635-50, 6710,6750,7010,7265-86, 7365,7820-60, DST 6752-78, Hole was redrilled to 7914 and designated as Jones #1 State Test #16	63
6420	6500	7160	8445	9185		GRN,E, LL,S	DST 7380-7430,7430-98, 9220-60,9261-9308,9308- 18,9345-61,9200-18	64
5060	5120	5730	6683	7025		GR,A, LL,S	DST 5980-6020,6775-6810, 7000-60,7060-7140,7140- 90,7190-7250	65
5400	5465	6008	7123	7518		GR,A, LL,ML,S	DST 7109-84,7519-7579, 7590-7615,8120-80	66
						s	Hole bottomed in Pierre shale	67
6030	6150	6600	8100	8665		GR,A, S,LL	Oil show 8672-8715, DST 8672-8715, Cored 8675-8715, 8725-83,8783-8805,8805-65	68
6133	6255	6690	8175	8830		F,A,GR, S	Oil and gas shows 8843-83, 8858-83,8920-47, DST 8843- 83,8858-83, Cored 8835-54, 8867-83,8923-47,8982-9000	69

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Hughes County</u>								
1	1939	Kerlyn #1 Kerlyn #1A Dry Run	NE NE 7-110N-78W	1453	1396 1574	815?	1070?	1250?
2	1957	Ohio #1 Reinschmidt	NE NE 27-112N-76W	1710	2565	950	1345	1732
3	1900±	Pierre City #1	SW NW 4-110N-79W	1436	1350±	?	1130?	
4	1903	Pierre City #2	SW NW 4-110N-79W	1437	1350	?	?	
5	1929	Pierre City #3	SW NW 4-110N-79W	1438	1220	?	?	?
6	1929	Pierre City #4	NW SE 4-110N-79W	1436	1351			
7	1931	Pierre Indian School #2 Government	NW 11-110N-79W	1440± 10	1540			
8	1945	State Capitol #1,2	SE SW 4-110N-79W	1469	1450		1156	
<u>Hutchinson County</u>								
1	1942	Palensky #1 Wagner	SE SE 17-99N-61W	1475± 25	925		490?	
<u>Hyde County</u>								
1	1954	Hornet #1 Aesoph	SW 2-116N-71W	1960	2186	1180?	1300?	
2	1952	Hunt #1 State	SW NE 24-116N-73W	1889K	1949	1123	1470	1872
3	1952	Hunt #2 State	SW NE 24-116N-73W	1889K	2618	1123	1470	1872
4	1952	Hunt-Lakota #1 State	SW NW 31-116N-73W	1872K	2720	1155	1500	1935

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.	
<u>Hughes County</u>									
						s	Deepened test to TD 1574	1	
1895	2000	2305	2400	2550		E,LL, ML,GRN	Last hole at 1949	2	
						s		3	
						s		4	
						s		5	
						s	Gas show 1170-75,1320-26	6	
						s		7	
						s	Gas show 1288-90	8	
<u>Hutchinson County</u>									
						678	s	1	
<u>Hyde County</u>									
1970?				2160?			S	1	
							s	2	
				2260	2550		E,ML,S	Skidded from Hunt #1 State DST 2300-46	3
2120?				2295	2700		S,E,ML	DST 2339-2420,2542-2640	4

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Jackson County</u>								
1	1958	Campbell #1 Dale	SW SW 1-1S-22E	2300K	3930	1865	2133	2650
2	1963	Cities Service #1 Phipps	NW SW 4-2S-23E	2326K	4435	1922	2205	2675
3	1963	Cities Service #1 Vilhauer	NE SW 17-2S-25E	2332K	4210	1850	2140	2605
4	1951	Dolezal #1 Dolezal	SW SE 19-1S-25E	2150+ 50	433?			
5	1956	Sorelle-Sorelle #1 State	NE NW 16-1S-22E	2416K	4775	2525	2308	2775
6	1935	Weaver #1 Granger	NW NW 32-3S-22E	2139	3640	1800	1950?	3000?
<u>Jones County</u>								
1	1954	Shell #1 Herman	SW SW 15-1N-29E	2084K	2580	1400	1725	2175
2	1954	Shell #2 Herman	NW NE 3-1N-29E	2116K	3221	1530	1825	2270
3	1954	Shell #1 Olson	NW SE 8-2N-26E	1920K	3528	1350	1680	2158
4	1964	Gulf #1 Hight	SE SE 15-3S-29E	2080K	3337	1540	1840	2240
<u>Kingsbury County</u>								
1	1953	Kingsbury #1 Dykstra	SW NE 35-112N-57W	1725+	1096	990	1080	
<u>Lawrence County</u>								
1	1928	Haas #1	NE NW 24-7N-4E	3235	556			
2	1924	Preston #1 Thompson	SW NE 21-6N-4E	3600	957			

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Jackson County</u>								
	2920	3845				E,ML, S	DST 3910-30,3350-72	1
	3005	3848	4068	4138	4435?	GRN,A, LL,ML,S	DST 3356-3410,3370-78, 3801-38,4367-4420	2
	2905	3620	3900	3950	4170	GRN,A, LL,ML,S	DST 4172-80	3
						s		4
	3100	3965	4290	4385	4740	GRN, E,ML,S	DST 3535-57	5
						s		6
<u>Jones County</u>								
	2340				2533	GRN,E, ML,S	DST 2339-85	1
	2390	2860	3008		3218	GRN,E, ML,S	DST 2868-2969	2
	2340	3000	3235	3460	3535	GRN, S,E	DST 3480-3522,2514-2619	3
	2580?	2970?		3165?	3330	GR,A, E,S		4
<u>Kingsbury County</u>								
						S		1
<u>Lawrence County</u>								
						s		1
	351?	511?	927?			s	Oil show 907-22, Gas show 898-903	2

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Lawrence County--continued</u>								
3	1924	Preston #2 Thompson	NW SW 22-6N-4E	3560± 20	1020			
4	1926	Harry Walthers #1	NE SE 18-7N-4E	3350± 50	500			
5	1950	Weller #1 Weisman	SW SE 30-7N-4E	3680K	3143			247
<u>Lincoln County</u>								
1	1941	Lonien-Thorsdale #1 Ovre	NE NE 2-97N-49W	1410± 10	800			
2	1958	Omanson #1 Peterson	SW NW 18-98N-49W	1360± 10	722	323	420	
<u>Lyman County</u>								
1	1956	General Crude #1 Straka	NW NW 22-105N-72W	1731K	1446	736	1096	
2	1949	Red Butte #1 Burkhardt	SE SE 6-104N-74W	1779	2504	900	1110	
<u>Meade County</u>								
1	1961	Amerada #1 Corwin	NE NE 18-6N-13E	2634K	5700	2095	2650?	2915
2	1942	Arp #1 Gingras	SE NE 19-3N-7E	3500± 20	1250			
3	1922	Bear Butte #1 Milin	SW SW 19-6N-6E	3170± 30	830±			
4	1956	Continental #1 Ham	SE NW 31-4N-8E	3062K	1505	460	1199	1470
5	1956	Continental #1 Harrington	NW NW 27-4N-8E	3034K	2027	1010	1730	2010
6	1956	Continental #1 Jeffrey	SW NE 33-5N-7E	2980K	1245	150	945	1215

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Lawrence County--continued

351?	531?	997?				s	Oil show 982-97	3
						s		4
1400	1500	2155	2650	2700		S,E		5

Lincoln County

						s	Oil show 580?	1
						S		2

Lyman County

						1444	S,E,ML	1
						1778	S	2

Meade County

3718	3818	4585	5295	5445			E,A,GR, S	1
1037?	1193?						S	2
180±	370±					820?	s	3
							E,ML,S	4
							E,S	5
							E,ML,S	6

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Meade County--continued</u>								
7	1956	Continental #1 Jordan	SW SW 5-4N-7E	3177K	865		551?	835
8	1956	Continental #1 Ketelsen	NE NE 29-5N-7E	2958K	1465	342	1160	1400
9	1956	Continental #1 May	SW NE 34-5N-7E	2923K	1565	454	1245	1548
10	1955	Continental #1 Thompson	NE SW 23-5N-7E	2843K	1780	704	1470	1745
11	1927	Cosden #1 Zeal	SE NW 16-9N-17E	2178	2970	2047	2544	2820
12	1955	Herndon #1 Oakland	NE SE 20-10N-17E	2364K	5642	2255	2765	3060
13	1955	Herndon #1 Price	SE SE 15-9N-13E	2737K	6250	2560	3115	3390
14	1955	Herndon #1 Shinost	SE SE 26-8N-13E	2932K	6190	2605	3150	3435
15	1949	Kucera #1 Gingras	SE NW 19-3N-7E	3560	1368			
16	1950	Kucera #2 Gingras	SW NE 19-3N-7E	3520 _±	2153			
17	1950	Kucera #3 Gingras	SW NE 19-3N-7E	3530 _±	1235			
18	1950	Kucera #4 Gingras	SE NW 19-3N-7E	3570 _±	400			
19	1950	Kucera #1 Gingras Brothers	SW NE 19-3N-7E	3530 _±	1280			
20	1954	Lion #1 Government- Libertin	SW NE 9-4N-11E	2595K	4345	1590	2180	2432
21	1950	Morton #1 Bertelson	NW NW 9-2N-9E	3185K	2420	1420	2070	2348

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Meade County--continued</u>								
						E,ML,S		7
						E,ML,S		8
						E,ML,S		9
						E,ML,S		10
						D,s		11
3630	3720	4445	5140	5410		GRN,E, S	Dead oil stain 5445	12
4120	4292	5040	5760	6055		GRN,E, S		13
4220	4380	5100	5790	6010		GRN,E, S		14
770	845					E-318- 1166,S	Oil and gas show 1064-89	15
798	946	1595				S,E-950- 1500	Oil show 1571, Gas shows 1497,1626,2051-60	16
852	1005					S		17
						s		18
912	1035					S	Oil and gas show 1180, Gas show 1170-1200	19
3355	3430	4270				E,ML,S		20
						E,S		21

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Meade County--continued</u>								
22	1950	Morton #1 Brehm	NE SW 4-2N-10E	2918K	2475	1535	2168	2445
23	1950	Morton #1 Carlson	SE NW 20-5N-8E	2800±	2137	984	1705	1992
24	1950	Morton #1 Olson	NE NE 35-3N-9E	2939K	4201	1380	2000	2285
25	1950	Morton #1 Snyder	SE SE 20-5N-9E	2773K	2420	1419	2075	2350
26	1957	Phillips #1 Ferguson	NE SE 34-7N-13E	2788K	6500	2400	2905	3160
27	1956	Phillips #1 Govern- ment-Harrington A	NE SE 19-4N-9E	3166K	2600	1515	2222	2509
28	1957	Phillips #1 Govern- ment-Norris	NW SE 13-6N-14E	2608K	3237	2310	2838	3132
29	1956	Phillips #1 Harrington	NW NW 14-3N-8E	2941K	1945	868	1590	1848
30	1956	Phillips #2 Harrington	NW SW 24-3N-8E	2952K	2032	980	1692	1960
31	1956	Phillips #1 Reinhold	NE NE 11-4N-8E	2845K	2214	1149	1865	2133
32	1957	Phillips #1 Richardson	SW SW 3-8N-17E	2511K	3190	2330	2816	3112
33	1955	Pure #1 Harrington	SW SW 28-4N-9E	3076	2300	1555	2250?	
34	1955	Pure #1 Henriks	NW NE 19-4N-8E	3060	1404	635	1360	
35	1955	Pure #1 McFarland	NE NE 8-3N-8E	2986	1404	627	1365	
36	1956	Pure #1 Wolken	SE NW 7-2N-10E	3138	2340	1624	2263	

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Meade County--continued</u>								
						E,S		22
						E,S		23
3425?	3630?	4190?				E,S		24
						E,S	DST Newcastle	25
3990	4086	4845	5510	5670		ML,S, E,LL,GRN	Oil show 4796, DST 4789- 4814,6266-6288	26
						E,ML,S		27
						E,ML,S		28
						E,ML,S		29
						E,ML,S	DST 1670-1704	30
						E,ML,S		31
						E,ML,S		32
						E-1700, S		33
						E,S		34
						E,S		35
						E,S		36

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Mellette County</u>								
1	1964	Gulf #1 Olson	Center NW $\frac{1}{4}$ 14-43N-29W	1828K	3196	1245	1540	1945
<u>Miner County</u>								
1	1953	Rocky Ridge #1 Hale	NE NE 25-108N-57W	1539	1328	738	900	
<u>Pennington County</u>								
1	1957	Atlantic #1 Knoll-State	SW NW 16-2N-16E	2867K	4882	2420	2915	3220
2	1926	Conata #1	SW NW 11-4S-16E	2451	2467	1640?	1940	
3	1957	Gary #1 Boydston	SW SW 10-1N-11E	2912K	2819	1838	2470	2765
4	1957	Gary #1 Herrington	NW NW 15-2S-9E	3083K	2170	1208	1700	2113
5	1957	Gary #1 Hopkins	SW SW 15-1S-11E	2869K	2717	1780	2230	2662
6	1931	Gypsy #1 Hunter	NE SW 28-3N-16E	2957	5001	2560	3024	3320
7	1941	Johnson-Andrews #1 Miser	NW NW 9-1S-8E	3310+ 20	850?			
8	1952	Marigold #1 Dunn	SE NW 22-1N-9E	3120	4183	1330?	2055?	2390?
9	1954	McCarty-Coleman #1 Shull	SW SW 3-1S-14E	2713K	5248	2171?	2521?	2960?
10	1922	McNeil #1 Schneider	SW SW 15-3S-13E	2800+ 10	800			
11	1956	Phillips #1 Dunn	NW SE 30-2N-9E	3096K	2161	1135	1690	2090

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Mellette County</u>								
	2315	2800		3020	3163	E,A,GR,S		1
<u>Miner County</u>								
				1320		E,S		1
<u>Pennington County</u>								
3818	3890	4753				E,GRN, S	Oil show 4373-76,4430-31	1
						S	Oil and gas show 2050-90, Gas show 2350	2
						E,S		3
						E,ML,S		4
						E,ML,S		5
3950?	4080?	4934?				D,s	DST 3041,3325,3461	6
						s	Gas show 360?	7
3430?	3630?					s		8
3667?	3827?	4719?	5135?	5167?		S	Oil show 2580-90	9
						s		10
						E,ML,S	DST taken, interval unknown	11

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Pennington County--continued</u>								
12	1956	Phillips #2 Dunn	SE SE 5-1N-9E	3291K	2404	1385	2035	2320
13	1957	Phillips #3 Dunn	NW SW 34-1N-9E	2952K	2229	1225	1760	2140
14	1955	Pure #1 Higgins	NW SE 15-1S-10E	2822	2183	1460	1940	
15	1955	Pure #1 Ness	NW SW 7-1N-10E	3296	2387	1710	2335	
16	1955	Pure #1 Shepherd	NW SE 23-1S-9E	3061	2067	1368	2018	
17	1922	Scenic Oil & Devel- opment Company #1	NE NW 15-3S-13E	2790±	1350±			
18	1955	Shell #1 Stromer	NE SW 22-1N-12E	2781K	2995	1840	2538	2732
19	1955	Shell #1 Wisehart	NW SE 32-1N-10E	2959K	2808	1585	2160	
20	1962	Sterling #1 Moden	NE NE 14-2N-9E	3102	2820	1470	2110	2390
21	1956	Superior #1-23 Kopp	NW SE 23-2N-9E	3007K	1917	1334		
22	1956	True #1 Govern- ment-Knox	NW NW 29-5N-17E	2350K	5575	2036	2538	2848
23	1950	Wanemacher #1 Boetker	SE NE 14-2N-8E	3205K	2100	1075	1795	2030
<u>Perkins County</u>								
1	1953	Evans #1 Querbes Trust-Capp	NW NW 9-13N-16E	2570K	7318	2690	3182	3485
2	1954	Hunt #1 Government	NW SE 8-22N-11E	2690K	9433	3635		4440

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Pennington County--continued

						E,ML,S		12
						E,ML,S		13
						E,S		14
						E,S		15
						E,S		16
						s	Gas show 447	17
						E,ML,S		18
						E,ML,S		19
						E,ML,S		20
						E,ML,S		21
3495	4270	4730	4950			E,S		22
						E,S		23

Perkins County

4095	4180	4965	5870	6270	7307	E,ML,S		1
5585	5680	6435	7755	8665		E,GRN, S	DST 8765-8880	2

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
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Perkins County--continued

3	1921	Lemmon Oil Basin #1 Mitchell	SW SE 33-23N-15E	2550± 50	1765?			
4	1960	Mule Creek #41-33 State	NE NE 33-13N-10E	2808K	6908	2644	3270	3552
5	1957	Shell #22-7 Bastian	SE NW 7-15N-16E	2470K	6770	2745	3262	3505
6	1951	Shell #1 Homme	NW SE 13-20N-12E	2768K	9345	3500	4015	4274
7	1952	Shell #1 Veal	SE SE 7-17N-15E	2672K	8317	3080	3608	3855
8	1954	Youngblood #1 Anderson	NE NE 26-21N-14E	2628K	8567	3367		4150
9	1954	Youngblood #1 Wheiner	NW SE 7-19N-17E	2558K	7830	3100		3850

Potter County

1	1954	California #1 Hinckley	NW NW 7-120N-75W	2025K	3033	1396	1745	2170
2	1940	Carter #1 Whitlock- Smith	NE NE 34-118N-78W	1867K	3613	1255	1585	
3	1953	Dak-Tex #1 Williams- Thompson	NW SE 27-119N-78W	1899K	3715	1331	1658	2100
4	1911	Fox #1	SE 18-118N-76W	2071	2260	1500?	1760?	2100?
5	1943	Schoof #1 Thompson	NE SW 5-118N-78W	1669	1551	1098	1406	

Shannon County

1	1945	Amerada #1 Red Eagle	NW NE 25-36N-48W	3346K	3367	405	810	1325
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Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Perkins County--continued</u>								
						s	Gas show 1600	3
4568	4630	5400	6310	6765		A,GRN, E,ML,S	DST 4653-4730	4
4182	4275	4970	5920	6520		GRN,E,S	DST 5124-5250,5278-5325, 6576-6617	5
5260	5320	6005	7250	8045	9325	E,ML,S	DST 3425-57,4276-4305, 4940-65,6260-90,6460-83, 6652-6820,7596-7660,7666- 7894,8069-8134,8141-94	6
4578	4668	5430	6500	7128	8287	E,S,GRN	DST 3854-85,5368-5418, 5479-5655,5752-98,5949-73, 6569-6633,6703-13,6851-95, 7131-66,7207-33,7901-77	7
5020	5120	5830	7025	7830		E,S,GRN	DST 6227-50	8
4465	4525	5325	6357	7110		E,S,GRN		9
<u>Potter County</u>								
	2390	2445	2950			E,S	DST 2630-60,2722-60,2758- 2860, Scattered oil cuts from 2600-2800	1
	2070	2485	2850	3110		E,S		2
	2275	2550	3060	3213	3710	E,S		3
						s	Oil show 2130-2260	4
						S	Gas shows 1404,1545-50	5
<u>Shannon County</u>								
2340	2455				3358	E,S	DST 3291-3367	1

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Shannon County--continued</u>								
2	1952	English-Martin #1 Eucks	NE SW 20-36N-41W	3504	3985	1450	2000	2460
3	1921	Gillespie #1 Loafer Camp	NE 16-35N-45W	3400± 50	1160			
4	1917	Midwest Refining #1 Slim Buttes	SW SE 24-36N-48W	3300±	2445			1385
<u>Spink County</u>								
1	1964	South Dakota Oil Development #1 Dvorak	NW SE 28-117N-63W	1265K	993	450	750	
2	1964	South Dakota Oil Development #2 Dvorak	SE SE 28-117N-63W	1279K	1120			
<u>Stanley County</u>								
1	1953	Benedum #1 Shaffner	NW NW 26-6N-27E	2139K	3901	1542	1853	2346
2	1940	Carter #1 Loucks	SE SE 12-9N-27E	1788K	3890	1220	1616	2030
3	1963	Cities Service #1 Barrick	SW NE 18-7N-28E	2082K	3995	1505	1820	2290
4	1963	Cities Service #1 Wagner	NW NW 13-5N-29E	1814K	3320	1188	1533	2008
5	1944	Phillips #1 Lang	NE SE 26-5N-28E	1990K	2435	1270	1620	2070
6	1945	Phillips #1 State- Dakota	NW NW 16-6N-27E	2186K	4206	1590	1910	2340
7	1944	Phillips #1 State- Stanley	NW SE 36-5N-27E	1862K	2768	1181	1506	1995
8	1954	Shamrock #1 Barrick	SE SE 29-8N-27E	1827K	3924	1289	1608	2095

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Shannon County--continued

3220	3370					S		2
						s		3
2400						s	Gas show 875-90	4

Spink County

						S,A,GR,E	Production test 933-38, Swabbed water with oil film	1
				1105		GR,A,E- 928-52	Cored 936-44, no recovery	2

Stanley County

2540	3080	3492	3678			E,GRN, S		1
2215	2740	3250	3435	3880		E,S		2
2570	3047	3438	3594	3980		ML,A, GRN,L,S	DST 3350-3461,3574-3660, 3848-3906	3
2130	2645		3095?	3310		ML,LL, GRN,S		4
2230				2380		E,S		5
2630	3200	3525	3805	4193		E,S		6
2120	2615			2690		E,S	DST 2565-2767	7
2330	2890	3200	3470	3915		E,S, GRN	Oil show 2240-50	8

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Stanley County--continued</u>								
9	1954	Shamrock #2 Barrick (#3)	SW SW 23-7N-26E	1945K	4070	1409	1730	2210
10	1955	Shell #1 Abbot	NE NE 9-4N-27E	2033K	2740	1375	1695	2173
11	1955	Shell #1 McCrone	NW NW 23-3N-25E	2035K	4010	1510	1810	2315
12	1926	South Dakota Refin- ing #1 Standing Butte	SE NE 9-7N-27E	1958	3508	1400?	1735?	2190?
<u>Tripp County</u>								
1	1962	Cahill #1 Nielson	SW SW 7-99N-76W	1999K	1411	1110	1375	
2	1956	General Crude #1 Assman	SE NE 22-98N-78W	2335K	3024	1530	1713	
3	1956	General Crude #1 Rural Credit	NE SE 33-95N-77W	2365K	2893	1540	1655	
4	1956	General Crude #1 Shippy	SW NW 5-96N-75W	2289K	2750	1436	1548	
5	1956	General Crude #1 Vogt	NE SE 25-99N-79W	2165K	2886	1381	1575	
6	1960	Kucera #1 Bartels	SW SE 23-100N-77W	1874K	2387	1115	1210	
7	1964	Gulf #1 Swedlund	SW SW 11-102N-78W	1951K	2596	1155	1415	1855
<u>Turner County</u>								
1	1942	Tieszen #1 Albrecht	13-99N-55W	1450± 10	1470±		248	
2	1943	Tieszen Well	NE 3-96N-52W	1250± 10	?			

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
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Stanley County--continued

2330	3095	3415	3665	4069		E, S		9
2355					2730	E, GRN, ML, S	DST 2637-2740	10
2555	3212	3510	3715	3955		E, S	Oil show 3335, DST 766-870, 2700-20	11
	2930?		3460±			S	Oil show 2560, 3355	12

Tripp County

						E, GR, S		1
2462			2770	3008		E, ML, S		2
2482			2740	2868		E, ML, S		3
	2500?		2565	2720		E, ML, S		4
2235			2665	2875		E, ML, S	Gas show 930	5
1972			2190	2368		E, S		6
2050	2245			2580		E, S, GR, A		7

Turner County

				380		s	Oil show (?) 474-80	1
						s		2

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Union County</u>								
1	1942	Sioux Valley #1 LaFleur	SE SW 18-90N-48W	1112	2515		240	
2	1957	Wagner #1 Blanchard	NW NE 29-92N-49W	1170	846		70	
3	1956	Wagner #1 Larson	NW SW 22-93N-50W	1207	587		167	
4	1956	Wagner #1 O'Connor	SE NE 31-94N-50W	1249	657		275	
5	1957	Wagner #1 Petersen	SW SW 30-92N-49W	1135	698		?	
<u>Walworth County</u>								
1	1952	Peppers #1 State	NE SE 36-123N-76W	2064K	3914	1497	1884	2240
2	1952	Pray #1 Kranzler	NW NW 14-121N-77W	1881K	3808	1320	1710	2085
<u>Yankton County</u>								
1	1953	Oil Ventures #1 Schuldt	SE SW 4-93N-57W	1569	940	620		730
2	1957	Rittershaus #1 Jamesville Colony	NW SW 29-96N-56W	1160	1221	226	446	
<u>Ziebach County</u>								
1	1960	Amerada #1 Briscoe	NW NE 33-16N-18E	2379K	5158	2595		3340
2	1960	Amerada #1 Govern- ment Cheyenne Agency	SE SW 20-14N-18E	2370K	3610	2470	2993	3222
3	1963	Cities Service #1 Jensen	NW NE 21-12N-22E	2416K	5300	2248	2720	2990
4	1930	Cosden #1 Tanburg	SE NW 9-11N-19E	2328	3604	2177	2740	2961

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Union County</u>								
			352	518?	1029	S		1
				435?	840	E,S	Oil show (?) 815	2
				500?	585	E,S	Oil show (?) 455-61	3
				593?	655	E,S		4
						s	Oil stain 577-85, Lost tools and hole	5
<u>Walworth County</u>								
	2420	2620	3140	3320	3895	E,S	Oil stains 3137-60	1
2260	2280	2515	3056	3200	3805	E,S		2
<u>Yankton County</u>								
						S	Lost hole at 940	1
					738	E,S		2
<u>Ziebach County</u>								
3858	3930	4700				A,GR,E,S	DST 2581-2658,3970-4005,4653-4730	1
						A,GR,E,S	DST 2982-3147,3232-3303	2
3508	3545	4190	4730	5048		A,GRN,LL,S	DST 5042-79,5031-81, Packer failed	3
3389?	3455?					S	Lost hole at 3604	4

No.	Date	Name	Location	Eleva- tion	Total Depth	Green- horn	Da- kota	Fall River
<u>Ziebach County--continued</u>								
5	1953	Dayton #1 Olsen Rural Credit	NE SE 35-12N-20E	2494K	5342	2330	2828	3070
6	1956	Herndon #1 Butler	NE NE 21-12N-19E	2444K	5590	2355	2833	3115
7	1955	Herndon #1 Young	NW NE 1-16N-20E	2334K	5970	2470		3204
8	1925	Irish Creek #1	SE 17-15N-20E	2300± 50	2680	2350		
9	1953	Kerr-McGee #1 Brammer	SE NW 20-13N-20E	2546K	6300	2500	2962	3215
10	1957	Phillips #1 Nelson	NW SE 18-13N-18E	2374K	3305	2450	2915	3180
11	1957	Phillips #1 State	SE NW 20-11N-23E	2449K	3002	2195	2673	2950
12	1957	Shell #14-18 Dreis	SW SW 18-17N-18E	2558K	5700	2895		3695

Minne- kahta	Minne- lusa	Madi- son	Devo- nian	Red River	Pre- Cam- brian	Logs	Remarks	No.
<u>Ziebach County--continued</u>								
3490?	3550	4280	4950	5275		E,ML,S	DST 3095-3162,4312-4420, 5290-5310	5
3570	3638	4390	5110	5465		GRN,E,S		6
3710	3818	4500	5290	5860		GRN,E,S		7
						S	Cored 0-Total Depth	8
	3715	4451	5100	5575		E,S, ML	DST 4599-4674,5595-5615, 6230-6300, Oil show at 5605-10	9
						E,S, ML	DST 2914-52	10
						E,ML,S	DST 1660-1775,2690-2754	11
4183	4263	5048				LL,ML,S	DST 5488-5600	12