

COMPANY: Cardinal Oil Company, et al
(Mallard Drlg Co., Westgate-Greenland Oil Company)

CONTRACTOR: Jackson Drilling Corporation

FARM : Jutting #1

LOCATION : SW NE NW of 10-20S-11W, Barton County, Kansas

ELEVATION: 1766

COMMENCED: August 20, 1948

COMPLETED: September 18, 1948-Rotary
October 1, 1948- Cardwell

0	to	80	Sand
80	to	160	Shale and shells
160	to	190	Shale and iron
190	to	220	Shale and shells
220	to	530	Red Bed
530	to	555	Shale and shells
555	to	580	Lime
580	to	640	Shale and shells
640	to	745	Red shale
745	to	805	Sand and shale
805	to	925	Shale and shells
925	to	1295	Shale and shale
1295	to	1345	Lime
1345	to	1365	Shale and shells
1365	to	1455	Salt and shells
1455	to	1505	Shale and lime
1505	to	1675	Shells and shale
1675	to	1700	Shale - iron
1700	to	1765	Shale and shells
1765	to	1820	Lime
1820	to	1916	Lime and shale
1916	to	2120	Shale and shells
2120	to	2401	Shale
2401	to	2420	Lime
2420	to	2570	Shale and shells
2570	to	2680	Lime and shale
2680	to	2835	Lime
2835	to	3291	Lime and shale
3291	to	3315	Lime
		3315	T. D. Rotary
		3332	T. D. Cardwell

Set 160 feet of 8 5/8" surface casing. Cemented with 125 sacks cement

Set 3304 feet of 5 1/2" oil string. Cemented with 60 sacks cement.

Top Arbuckle 3308

Acidized with 500 gallon Dowell X Service.

DRY

PLUGGING
FILE SEC 10 T 20 R 11W
BOOK PAGE 64 LINE 14

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(Mallard Drilg. Co., Westgate Greenland Oil Co.)

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220	to	530	Red bed
530	to	555	Shale & shells
555	to	580	Lime
580	to	640	Shale & shells
640	to	745	Red Shale
745	to	805	Sand & shale
805	to	925	Shale & shells
925	to	1295	Shale & salt
1295	to	1345	Lime
1345	to	1365	Shale & shells
1365	to	1455	Salt & Shells
1455	to	1505	Shale & lime
1505	to	1675	Shells & shale
1675	to	1700	Shale - Iron
1700	to	1765	Shale & shells
1765	to	1820	Lime
1820	to	1916	Lime & shale
1916	to	2120	Shale & shells
2120	to	2401	Shale
2401	to	2420	Lime
2420	to	2570	Shale & shells
2570	to	2680	Lime & shale
2680	to	2835	Lime
2835	to	3291	Lime & shale
3291	to	3315	Lime

3315 T.D. - Rotary
3332 T.D. - Cardwell

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DEC - 2 1948
ST. JOHNSON COUNTY
KANSAS

8 5/8" surface casing set at 160 feet. Cemented with 125 sacks cement.
5 1/2" oil string set at 3304 feet. Cemented with 60 sacks cement.

Top Arbuckle 3308
Acidized 500 gal Dowell X Service - DRY

CERTIFICATE

I, Clare A. Stewart, do hereby certify that the above and foregoing is a true and correct copy of log of the Jutting #1, Section 10-20S-11W, Barton County, Kansas, as reflected by files of the Jackson Drilling Corporation.

Clare A. Stewart
Clare A. Stewart

Subscribed and sworn to before me, a Notary Public, within and for Johnson County, Kansas, this 20th day of October, 1948

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Dorothy J. Wilson
Dorothy J. Wilson

My Commission expires November 30, 1950