

MAR 13 1971

3-11-24W
SW SW NE

Elev. 2325' KB

DRILLER'S LOG

COMPANY: Landes Exploration Co., 416 Union Center Bldg., Wichita, Kansas 67202
CONTRACTOR: Hellar Drilling Company, Inc., Wichita, Kansas 67202
LEASE: #1 Ott "A"
LOCATION: SW SW NE 3-11S-24W, Trego County, Kansas
COMMENCED: November 8, 1970
COMPLETED: November 19, 1970
Casing: Set 8 5/8" Surface Casing @ 218'/160 sacks cement
Set 4 1/2" Casing @ 3937'/150 sacks cement

P 23 BOPD/Lane

Log Tags

0-35	Sand & Clay
35-425	Shale
425-860	Shale & Chalk
860-1010	Sand
1010-1330	Shale-Shells & Sand & Red Bed
1330-1939	Shale
1939-1980	Anhydrite
1980-2110	Shale
2110-2395	Shale & Shells
2395-2655	Shale & Lime
2655-2880	Lime & Shale
2880-3055	Shale & Lime
3055-3146	Lime
3146-3419	Lime & Shale
3419-3690	Lime
3690-3735	Lime (L.K.C.)
3735-3882	Lime
3882-3940	Lime & Shale
3940	Rotary Total depth

Anhydrite	1937
Shale	3414
Hebner	3643
Lignite	3666
LKC	3682
BKC	3912

STAGE OF REBAS)
) SS
CORRELATION OF BELGWICK)

I, D. L. Hellar, do hereby certify that the above and foregoing is a true and correct copy of the log of the #1 Ott "A", located in SW SW NE 3-11S-24W, Trego County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.

HELLAR DRILLING COMPANY, INC.

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