

NOV 15 1969

DRILLER'S LOG

COMPANY: Landes Exploration Co. and Sentinel Resources Corp.,  
 P. O. Box 867, Magnolia, Arkansas 71753

CONTRACTOR: Hellar Drilling Company, Inc., Wichita, Kansas 67202

LEASE: #1 Ott

LOCATION: C NW SE 3-11S-24W, Trego County, Kansas

COMMENCED: August 29, 1969

COMPLETED: September 7, 1969

CASING: Set 8 5/8" Surface Casing @ 207'/150 sacks cement  
 Set 4 1/2" Casing @ 3936'/200 sacks cement

*oil*

0-40	Shale & Sand
40-208	Shale & Sand
208-211	Shale
211-866	Shale & Red Bed
866-888	Anhydrite & Shale
888-1132	Shale
1132-1695	Shale - Sand & Shells
1695-1936	Shale - Red Bed
1936-1979	Anhydrite
1979-2315	Shale
2315-3690	Lime & Shale
3690-3700	Lime & Shale - K. C. Lime
3700-3759	Lime
3759-3865	K. C. Lime
3865-3886	Lime
3886-3940	Lime & Shale - K. C.
3940	Rotary Total Depth



STATE OF KANSAS )  
 ) SS  
 COUNTY OF SEDGWICK )

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, located in C NW SE 3-11S-24W, Trego County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.

HELLAR DRILLING COMPANY, INC.

By *D. L. Hellar*