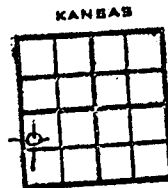


NSAS GEOLOGICAL SOCIETY
508 East Murdock
Wichita, Kansas

JUL 7 1972



7-8-22W
SW NWSW
7-8-22W

DRILLER'S LOG

API #15-065-20, 545

COMPANY: Landes Exploration Co., P. O. Box 867, Magnolia, Arkansas 71753
CONTRACTOR: Hellar Drilling Company, Inc., 339 Union Center Bldg., Wichita, Ks. 67202
LEASE: #1 Casey Jones
LOCATION: SW NW SW 7-8S-22W, Graham County, Kansas
COMMENCED: April 27, 1972
COMPLETED: May 1, 1972
CASING: Set 8 5/8" Surface Casing @ 206' w/150 sacks cement

0-207	Surface Soil - Sand & Shale
207-430	Sand & Shale
430-1370	Shale w/Sand Streaks
1370-1580	Shale
1580-1327	Red Bed & Shale & Sand
1827-1857	Anhydrite
1857-2340	Salt Section & Shale
2340-2630	Shale & Lime
2630-2908	Lime
2908-3045	Lime & Shale
3045-3486	Lime
3486	Rotary Total Depth

D & A

SAMPLE TOPS

ANHY	1827
B ANHY	1857
RTD	3486



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 Casey Jones, located in SW NW SW 7-8S-22W, Graham County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.

HELLAR DRILLING COMPANY, INC.

By D. L. Hellar
President - D. L. Hellar