

Wichita, Kansas

DEC 12 1970

28-13-19W
NE SW SE

Elev. 2192' KB

Dry/Hellar

DRILLER'S LOG

COMPANY: Landes Exploration Co., 416 Union Center Bldg., Wichita, Kansas 67202
CONTRACTOR: Hellar Drilling Company, Inc., Wichita, Kansas 67202
LEASE: #1 Bemis
LOCATION: NE SW SE 28-13-19, Ellis County, Kansas
COMMENCED: November 20, 1970
COMPLETED: November 25, 1970
SING: Set 8 5/8" Surface Casing @ 219'/150 sacks cement

0-80	Clay & Rock
80-219	Shale
219-635	Shale-Red Bed-Sand
635-1450	Shale, Sand-Red Bed
1450-1507	Red Bed & Shale
1507-1552	Anhydrite
1552-1800	Red Bed & Shale
1800-2090	Shale
2090-2250	Shale & Lime
2250-2372	Shale
2372-2445	Lime & Shale (Ft. Riley)
2445-2605	Lime & Shale
2605-2830	Shale & Lime
2830-2990	Lime & Shale
2990-3315	Shale & Lime
3315-3430	Lime & Shale
3430-3502	Lime
3502	Rotary Total Depth

D & A

Log Taps

Taps 3214
Hebner 3478

Sample Taps

Anhydrite 1507
B " 1552

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS

I, D. L. Hellar, do hereby certify that the above and foregoing is a true and correct copy of the log of the #1 Bemis, located in NE SW SE 28-13-19, Ellis County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.

HELLAR DRILLING COMPANY, INC.