

OPERATOR: Associates Oil & Gas
501 One Twenty Building
Wichita, Kansas 67202

LEASE: Lipp No. 1
SE NW SW Sec. 2-12S-25W
Trego County, Kansas

CONTRACTOR: Slawson Drilling Company, Inc.
408 One Twenty Building
Wichita, Kansas 67202

COMMENCED: 6/16/77

COMPLETED: 6/23/77

RTD: 4180'

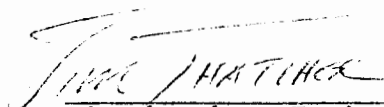
CASING: 8-5/8" set at 254' with 150 sx cement

0' to 259' Sand & Shale (Surface Hole 12 1/4")
259' to 375' Shale & Shells
375' to 1170' Shale & Shells with sand strks.
1170' to 1690' Shale & Shells
1690' to 1900' Sand
1900' to 2134' Shale & Shells
2134' to 2176' Anhydrite
2176' to 2780' Shale & Shells
2780' to 4020' Lime & Shale
4020' to 4095' K.C. Limestone
4095' to 4180' Lime
4180' RTD

County of Sedgwick

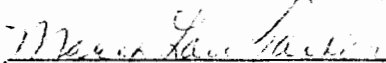
State of Kansas

I, Jim Thatcher, of the Slawson Drilling Company, Inc., hereby state that the above and foregoing is a true and correct copy of the log of the Lipp No. 1 well.



 Jim Thatcher, Engineer

Subscribed and sworn to me on this 28th day of June, 1977



 Mary Lou Taylor, Notary

My commission expires January 17, 1981