

State Geological Survey  
WICHITA, BRANCH DRILLERS' LOG

15-191-26574

4-34-2E

JEFFERSON-WILLIAMS ENERGY CORP.

No. 1 Hills  
200' FNL, 405' FWL of SE/4  
Section 4-34S-2E  
Sumner County, Kansas

Elev: 1156 K.B.

Commenced: 4-22-76  
Completed: 4-29-76

Surface Casing: 187' of 8-5/8"  
cemented w/175 sz cement, 28  
Gal, 38 cc. 4-20-76

FORMATION

DEPTH

|              |                 |
|--------------|-----------------|
| Surface Hole | 0 - 196         |
| Shale & Lime | 196 - 2353      |
| Sand & Shale | 2353 - 2475     |
| Shale        | 2475 - 2755     |
| Sand         | 2755 - 2800     |
| Shale        | 2800 - 2828     |
| Lower Layton | 2828 - 2890     |
| Shale & Lime | 2890 - 2940     |
| Lime         | 2940 - 3300     |
| Lime & Shale | 3300 - 3406     |
| Lime & Chat  | 3406 - 3415     |
| Chat         | 3415 - 3430 RTD |

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

D N B DRILLING, INC.

*James L. Donelson*  
JAMES L. DONELSON

STATE OF KANSAS: ss:

Subscribed and sworn to before me this 13th day of May 1976.

*Ella Priess*

Ella Priess, Notary Public

*Ella Priess*  
STATE NOTARY PUBLIC  
Sedgwick County, Kansas  
My Com. Expires Aug. 25, 1976