

14-13-21W

State Geological Survey
WICHITA, BRANCH

DRILLERS' LOG

FEB 27 1977

ZENITH DRILLING CORPORATION
Hall No. 1
NW SE SE, Sec. 14-13-21W
Trego County, Kansas

Surface Casing: 249' of 8-5/8"
cemented W/150 sacks common
cement, 2% gel, 3% cc.
1/26/77

Commenced: 1/26/77
Completed: 2/3/77

| <u>FORMATION</u> | <u>DEPTH</u> |
|----------------------|-----------------|
| Surface Hole | 0 - 60 |
| Shale | 60 - 249 |
| Shale & Sand | 249 - 1230 |
| Shale, Sand, Red bed | 1230 - 1568 |
| Anhydrite | 1568 - 1600 |
| Shale | 1600 - 1610 |
| Sand & Shale | 1610 - 2150 |
| Shale & Lime | 2150 - 2360 |
| Lime & Shale | 2360 - 3385 |
| Shale & Lime | 3385 - 3505 |
| Lime | 3505 - 3560 |
| Lime & Shale | 3560 - 3595 |
| Lime | 3595 - 3900 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 10th day of February, 1977.

Ella Priess

Ella Priess, Notary Public

