

DRILLERS' WELL LOG

15-163-20701
20-10-18W

DATE COMMENCED: August 30, 1977
DATE COMPLETED: September 4, 1977

F & M Oil Co., Inc.
ANDRESON # 1
SE NW NW
Sec 20-T10-R18W
Rooks County, Kansas

ELEVATION: 2112 K.B.

0 - 60' Post Rock
60 - 970' Shale
970 - 1160' Sand
1160 - 1493' Shale
1493 - 1531' Anhydrite
1531 - 1675' Red Bed
1675 - 2020' Shale
2020 - 2463' Shale, Lime
2463 - 3104' Lime and Shale
3104 - 3323' Lime
3323 - 3327' Shale
3327 - 3390' Lime
3390 - 3365' Shale
3365 - 3599' Lime
3599 - 3696' Lime and Shale
3696 - 3712' Dolomite
3712' RTD

FORMATION TOPS

| | |
|-----------|------|
| Anhydrite | 1493 |
| Topeka | 3104 |
| Heebner | 3323 |
| Toronto | 3342 |
| Douglas | 3390 |
| Lansing | 3365 |
| Base K.O. | 3599 |
| Arbuckle | 3696 |
| RTD | 3712 |

SURFACE PIPE:
Set used 8 5/8", 28# pipe
at 264' w/150 sacks Common,
2% Gel, 3% cc.

A F F I D A V I T

S. E OF KANSAS }
COUNTY OF BARTON } ss.

Larry Curtis, of lawful age, does swear and state that the facts and
statements herein contained are true and correct to the best of his knowledge.

Larry Curtis

Subscribed and sworn to before me this 7th day of September, 1977.

Henry M. Sugar
Notary Public