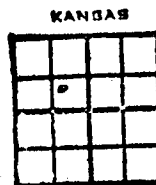


15-4-19W
NW SE NW

NOV 19 1971

DRILLERS LOG



No. 1 Ehm

CASING RECORD:

8 5/8" @ 226
w/160 sx cement

4 1/2" @ 3519'
w/250 sx cement

TOTAL DEPTH: 3520'

COMPANY:

CONTRACTOR: Red Tiger Drilling Co.

COMMENCED: August 13, 1971

COMPLETED: August 19, 1971

Petroleum Management, Inc.

DESCRIPTION:

NW SE NW
15-4S-19W
Phillips County,
Kansas

ELEVATION: 2093 KB

FORMATION

FROM

TO

REMARKS

| | | |
|-----------------------|------|------|
| Clay sand | 0 | 40 |
| Sand & shale | 40 | 755 |
| Shale, sand & red bed | 755 | 1601 |
| Anhydrite | 1601 | 1631 |
| Shale | 1631 | 1755 |
| Shale & shells | 1755 | 2307 |
| Shale & Lime | 2307 | 3045 |
| Lime | 3045 | 3520 |

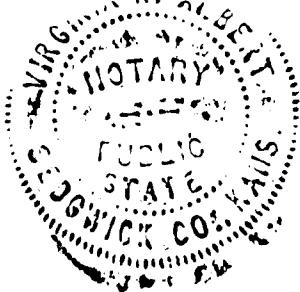
Smp Tops
Lana 3266

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Jim Farrice
Jim Farrice

Subscribed and sworn to before me this 24th day of August, 1971.



Virginia L. Albert
Notary Public

My Commission Expires: July 23, 1974