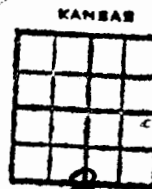


DEC 30 1971

DRILLERS LOG

No. 2 Grau

NE SE NE



35-3-19W

CASING RECORD:

8 5/8" @ 345'
w/200 sx cement

4 1/2" @ 3460'
w/250 sx cement

TOTAL DEPTH: 3461'

COMPANY: Petroleum Management, Inc.

CONTRACTOR: Red Tiger Drilling Co.

COMMENCED: March 29, 1971

COMPLETED: April 4, 1971

DESCRIPTION:

NE SE NE
35-3S-19W
Phillips County,
Kansas

ELEVATION: 2071

30 BOPD

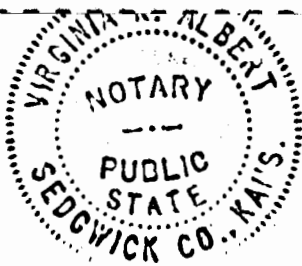
FORMATION

FROM

TO

REMARKS

Shale	0	700
Sand & Hard Sand	700	978
Hard Sand	978	995
Shale	995	1564
Anhydrite	1564	1597
Shale	1597	1820
Shale & Lime	1820	3145
Lime	3145	3461



Virginia K. Albert
Notary Public

My Commission Expires:

July 23, 1974

SMP TOPS	DEPTH
ST C	1564
B FLOR	2188
WRE	2271
NEVA	2479
RED EAGLE	2599
TAR	2819
TOP	2983
HEEB	3173
TOR	3198
LANS	3217
BKC	3441
RTD	3461