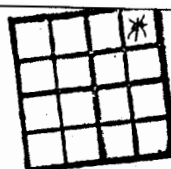


AT 10 1972



CNENE

14-33-12W

ROTARY DRILLERS' LOG

OPERATOR: Okmar Oil Company
1130 Vickers-KSB&T Bldg.
Wichita, Kansas 67202

DRILLING COMMENCED: November 3, 1971

CONTRACTOR: Graves Drilling Co., Inc.
505 Union Center
Wichita, Kansas 67202

DRILLING COMPLETED: November 14, 1971

CASING RECORD: 6 Jts. 250' 8-5/8"
cemented with 225 sacks.

122 Jts. 3917' - 5-1/2"
cemented with 150 sacks

LOCATION: Groendycke No. 1
C NE NE
Section 14-33S-12W
Barber County, Kansas
Elevation 1437' KB
Est. 2,000,000 CF6PD/Elgin sd

LOG TOPSE

Elgin Zone 3374
" Sd 3453
Heebner 3590
Snyderville 3608
Douglas Sand 3729
Lansing 3764
BKC 4253
Mississippi 4402

0 - 620 Red bed & shale
620 - 1325 Shale & shells
1325 - 1740 Shale with lime streaks
1740 - 3461 Lime & shale
3461 - 3560 Sand, shale & lime
3560 - 3645 Shale & sand
3645 - 3722 Lime & shale
3722 - 3750 Sand & shale
3750 - 4330 Lime
4330 - 4387 Lime & shale
4387 - 4496 Lime
4496 Rotary Total Depth

DST (1) 3450-61
[TOST (2) 3763-3777
DST (3) 4395-4425

I hereby certify the foregoing statements to be true and correct to the best of my knowledge.

GRAVES DRILLING CO., INC.

By John C. Graves
President

STATE OF KANSAS)
BUTLER COUNTY) ss.

