15-007-20357

State Geological Survey
WICHITA BRANCH

29-32-12W

ROTARY DRILLERS" LOG

OPERATOR: Graves Drilling Co., Inc
910 Union Center
Wichita, Kansas 67202

DRILLING COMMENCED: October 26, 1975

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

DRILLING COMPLETED: November 4, 1975

CASING RECORD: 6 Jts. 244' 8 5/8"
cemented with 225 sacks

138 Jts. 4514' 4 1/2"
cemented with 75 sacks

LOCATION: Warwick No. 1
C SE NW
Section 29-32S-12W
Barber County, Kansas

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0 - 572 Shale & shells

572 - 1261 Shale

1261 - 1705 Shale & shells

1705 - 2012 Shale, shells & lime streaks

2012 - 2262 Shale & lime

2262 - 2406 Lime

2406 - 2646 Lime, shale & sand

2646 - 2850 Shale & lime

2850 - 3355 Lime & shale

3355 - 3482 Lime

3482 - 3653 Lime, shale & sand

3653 - 3962 Shale & lime

3962 - 4135 Lime, shale & sand

4135 - 4305 Lime

4305 - 4380 Shale & lime

4380 - 4516 Lime

4516 Rotary Total Depth

RECEIVED
STATE GEOLOGICAL
SURVEY OF
KANSAS

-eby certify the foregoing statements to be true and correct to the best knowledge.