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11-32-12W

State Geological Survey
WICHITA, BRANCH

ROTARY DRILLERS' LOG

OPERATOR: Graves Drilling Co., Inc. DRILLING COMMENCED: February 21, 1981
 910 Union Center
 Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: February 28, 1981
 910 Union Center
 Wichita, Kansas 67202

CASING RECORD: 7 Jts. 218' of used 8-5/8" LOCATION: Theron No. 1
 cemented with 200 sacks. Approx. NW NW NW
 Section 11-32S-12W
 Barber County, Kansas

129 Jts. 4283' of new 4 1/2"
 cemented with 75 sacks.

0 - 70	Sand
70 - 218	Red bed
218 - 1635	Red bed & shale
1635 - 3368	Shale & lime
3368 - 3546	Lime & shale
3546 - 3867	Shale & lime
3867 - 4022	Lime & shale
4022 - 4285	Shale & lime
4285	Rotary Total Depth

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

GRAVES DRILLING CO., INC.

Copy sent to:
State Corporation Commission
Kansas Geological Society
Kansas Geological Survey

By Betty Brandt
Secretary-Treasurer

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Subscribed and sworn to before me, a Notary Public, this 18th day of March, 1981.

Rebecca L. Matthews
Rebecca L. Matthews Notary Public