

PL

15-007-21133

29-32-12W

State Geological Survey
WICHITA BRANCH

R O T A R Y D R I L L E R S ' L O G

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

DRILLING COMMENCED: February 28, 1981

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

DRILLING COMPLETED: March 7, 1981

LOGGING RECORD: 7 Jts. 215' of used 8-5/8"
cemented with 185 sacks

158 Jts. 4568' of new 4 1/2"
cemented with 75 sacks.

LOCATION: Warwick No. 4
C S/2 NW SW
Section 29-32S-12W
Barber County, Kansas

0 - 215	Red bed & gyp
215 - 1450	Red bed & shale
1450 - 3452	Shale & lime
3452 - 3611	Lime & shale
3611 - 3977	Shale & lime
3977 - 4155	Lime & shale
4155 - 4570	Shale & lime
4570	Rotary Total Depth

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

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

GRAVES DRILLING CO., INC.

By Betty B. Smith
Secretary-Treasurer

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Subscribed and sworn to before me, a Notary Public, this 20th day of March, 1981.