

*State Geological Survey*

WICHITA BRANCH

ROTARY DRILLERS' LOG

OPERATOR: Graves Drilling Co., Inc. DRILLING COMMENCED: August 12, 1981  
 910 Union Center  
 Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: August 19, 1981  
 910 Union Center  
 Wichita, Kansas 67202

CASING RECORD: 10 Jts. 393' of new 8-5/8" cemented with 275 sacks. LOCATION: Smith No. 2  
 SE SE NE  
 Section 11-32S-12W  
 Barber County, Kansas

130 Jts. 4298' of new 4 1/2" cemented with 75 sacks.

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0 - 986 Red bed  
 986 - 1329 Shale  
 1329 - 1791 Lime & shale  
 1791 - 4300 Shale & lime  
 4300 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 \_\_\_\_\_  
 Secretary-Treasurer

STATE OF KANSAS )  
 ) ss.  
 SEDGWICK COUNTY )

Subscribed and sworn to before me, a Notary Public, this 2nd day of September, 1981.

*Rebecca L. Matthews*  
 Rebecca L. Matthews Notary Public

My commission expires: May 17, 1983.