

State Geological Survey SURVEY STATE DRILLERS' LOG
WICHITA, KANSAS

OPERATOR: Graves Drilling Co., Inc. DRILLING COMMENCED: 14 Dec. 1976
910 Union Center
Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: 20 Dec. 1976
910 Union Center
Wichita, Kansas 67202

CASING RECORD: 5 Jts. 215' of used 8-5/8" cemented with 200 sacks;
108 Jts. 4360' of new 5-1/2" cemented with 75 sacks
LOCATION: Maroney No. 1
C SE NE
4 X 32S-9W
Harper County, Kansas

0 - 213 Red bed
213 - 3150 Shale
3150 - 3454 Shale & lime
3454 - 3730 Shale
3730 - 3915 Shale & lime
3915 - 4365 Lime & shale
4365 - 4369 Lime
4369 Rotary Total Depth

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

GRAVES DRILLING CO., INC.

By *Paul Graves*
President

STATE OF KANSAS)
NEWICK COUNTY) SS:

Subscribed and sworn to before me, a Notary Public, this 29th day of December, 1976