

28-32-12W

State Geological Survey
WICHITA, BRANCHROTARY DRILLERS' LOG

OPERATOR: Graves Drilling Co., Inc. DRILLING COMMENCED: 13 Feb. 1976
 910 Union Center
 Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: 23 Feb. 1976
 910 Union Center
 Wichita, Kansas 67202

CASING RECORD: 5 Jts. 214' of used 8-5/8" cemented with 225 sacks;
 109 Jts. 4396' of new 4-1/2" cemented with 75 sacks

LOCATION: Kirkbride No. 1
 C SE NW
 Section 28-32S-12W
 Barber County, Kansas

0 - 70 Red bed

70 - 214 Red bed & shale

214 - 1519 Sand & shale

1519 - 1730 Shale

1730 - 1923 Shale & shells

1923 - 2102 Shale

2102 - 2290 Shale & shells

2290 - 2455 Shale

2455 - 2707 Shale & shells

2707 - 3010 Shale

3010 - 3560 Shale & lime

3560 - 3723 Shale & lime

3723 - 3804 Shale & sand

3804 - 3918 Lime

3918 - 4390 Lime & shale

4390 Rotary Total Depth

RECEIVED
STATE CORPORATION COMMISSION

MAR 04 1976

CONSERVATION DIVISION
Wichita, Kansas

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

GRAVES DRILLING CO., INC.