

ROTARY DRILLERS' LOG

OPERATOR: Graves Drilling Co., Inc. DRILLING COMMENCED: Jan. 9, 1976
910 Union Center
Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: Jan. 19, 1976
910 Union Center
Wichita, Kansas 67202

CASING RECORD: 6 Jts. 217' of used 8-5/8" LOCATION: Darnes No. 2
cemented with 225 sacks; C SE SE
109 Jts. 3933' of new 4-1/2" Section 24-31S-9W
cemented with 75 sacks Harper County, Kan.

0 - 217 Red bed
217 - 280 Red bed & shale
280 - 975 Shale & shells
975 - 1520 Shale & sand
1520 - 2240 Shale & shells
2240 - 3675 Shale & lime
3675 - 3795 Lime
3795 - 4135 Shale & lime
4135 - 4235 Lime with shale
4235 - 4383 Lime
4383 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

Betty Brandt

Secretary-treasurer

STATE OF KANSAS)

WICHITA COUNTY)

SS: