

24-31-12W

C S/2

ROTARY DRILLERS' LOG

OPERATOR: Raymond Oil Co., Inc. DRILLING COMMENCED: December 18, 1979
One Main Place, Suite 900
Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: December 31, 1979
910 Union Center
Wichita, Kansas 67202

CASING RECORD: 7 Jts. 218' of new 8-5/8" LOCATION: Mott No. 1
cemented with 200 sacks. C S/2
Section 24-31S-12W
Barber County, Kansas

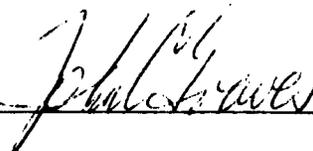
0 - 218	Red bed
218 - 510	Red bed & shale
510 - 1380	Red bed
1380 - 1758	Red bed, shale & lime
1758 - 1947	Red bed & shale
1947 - 2135	Shale & lime
2135 - 2299	Lime & shale
2299 - 4311	Shale & lime
4311 - 4329	Shale & chert
4329	Rotary Total Depth

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

GRAVES DRILLING CO., INC.

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

By



President