

OPERATOR: Graves Drilling Co., Inc.
910 Union Center
Wichita, Kansas 67202

DRILLING COMMENCED: May 16, 1978

CONTRACTOR: Graves Drilling Co., Inc.
910 Union Center
Wichita, Kansas 67202

DRILLING COMPLETED: May 24, 1978

CASING RECORD: 226' of used 8 5/8"
cemented with 185 sacks

123 Jts. of new 4 1/2"
cemented with 75 sacks

LOCATION: Bauer No. 1
C NW NW
Section 4-33S-10W
Barber County, Kansas

0	-	485	Red Bed
485	-	2139	Shale and Lime
2139	-	2362	Shale
2362	-	2655	Shale and Lime and Sand
2655	-	3067	Shale and Lime
3067	-	3257	Lime and Shale
3257	-	3411	Shale and Lime
3411	-	3553	Lime and Shale
3553	-	3928	Shale and Lime
3928	-	4374	Lime
4374	-	4510	Lime and Shale
4510	-	4530	Lime
4530			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 Bob R. Rasmussen
Secretary-Treasurer