

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

DRILLING COMMENCED: March 6, 1979

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

DRILLING COMPLETED: March 14, 1979

CASING RECORD: 6 Jts. 226' of used 8-5/8"
cemented with 200 sacks

111 Jts. 4328' of new 4-1/2"
cemented with 75 sacks

LOCATION: YOUNGERS NO. 1
SW NW
Section 22-31S-12W
Barber County, Kansas

0	-	40	Red Bed
40	-	226	Red Bed and Red Rock
226	-	552	Red Bed and Shale
552	-	1171	Shale
1171	-	1900	Shale and Lime
1900	-	2643	Lime and Shale
2643	-	2668	Shale and Lime
2668	-	2895	Lime and Shale
2895	-	3412	Shale and Lime
3412	-	3573	Shale
3573	-	3602	Shale and Lime
3602	-	3653	Sand
3653	-	4061	Shale and Lime
4061	-	4287	Lime and Shale
4287	-	4330	Chert
		4330	Rotary Total Depth

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

GRAVES DRILLING CO., INC.

Alph...