

DRILLERS LOG

OPERATOR: Hopper Oil Company; 709 East 16th; Winfield, Kansas 67156

CONTRACTOR: **White & Ellis Drilling, Inc., Box 448, El Dorado, Kansas 67042**

Lease Name Lewis Well No. 1

Sec. 11 T. 31S R. 5E Spot C E 1/2 E 1/2 W 1/2

County Cowley State Kansas Elevation _____

Casing Record:

Surface: 8 5/8" @ 213' with 140 Sxs.

Production: 4 1/2" @ 3059' with 175 Sxs.

Type Well: Oil Total Depth 3060' K.B.

Drilling Commenced: 6-28-78 Drilling Completed 7-4-78

Formation	From	To	Tops
Cellar	0	7	Kansas City 2260
Lime	7	213	Mississippi 2955
Lime & Shale	213	290	
Lime	290	300	
Lime & Shale	300	1090	
Shale & Lime (Stks)	1090	1470	
Lime & Shale	1470	2090	
Shale	2090	2260	
Lime	2260	2489	
Shale & Sand	2489	2550	
Sandy Shale	2550	2620	
Lime & Shale (Stks)	2620	2800	
Lime & Shale	2800	2955	
Lime	2955	3060	