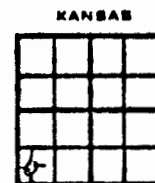


MAR 16 1973

23-32-14W
C SW SW
23-32-14W



DRILLER'S LOG

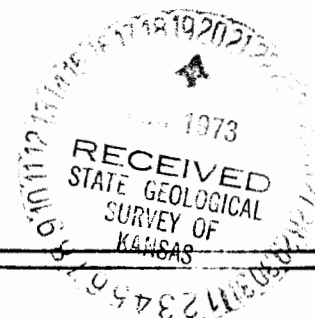
API # 15-007-20, 228

COMPANY: Bowers Drilling Company, Inc. and Anadarko Production Co.,
125 N. Market - Suite 1425, Wichita, Kansas 67202
CONTRACTOR: Hellar Drilling Company, Inc., Wichita, Kansas 67202
LEASE: #1 Elsea "B"
LOCATION: c SW SW 23-32S-14W, Barber County, Kansas
COMPLETED: February 11, 1973
CASING: Set 8 5/8" Surface Casing @ 929' w/600 sacks cement

Revision 1748 KB

		LOG TOPS	DEPTH
0-667	Surface Soil - Sand & Red Bed		
667-929	Shale		
929-1395	Shale & Red Bed	LECOM	3615
1395-1876	Shale & Red Bed & Salt Section	HEEB	3806
1876-2057	Shale & Lime	TOR	3822
2057-2370	Lime & Shale	DOUG	3859
2370-2700	Ft. Riley	LANS	3992
2700-2855	Lime	BKC	4402
2855-3205	Lime & Shale Streaks	MARM	4413
3205-3219	Shale	MISS	4512
3219-3350	Shale & Lime	LTD & RTD	4565
3350-3525	Lime & Shale (Topeka)		
3525-3695	Lime & Shale		
3695-3825	Shale		
3825-3860	Lime & Shale		
3860-4160	Lime		
4160-4292	Lime (L.K.C.)		
4292-4485	Lime		
4485-4525	Lime & Chert (Marmaton & Miss.)		
4525-4565	Lime		
4565	Rotary Total Depth		

D & A



STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

I, D. L. Hellar, do hereby certify that the above and foregoing is a true and correct copy of the log of the #1 Elsea "B", located in c SW SW 23-32S-14W, Barber County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.