DREILING OIL, INC.

Victoria, Kansas 67671

WELL LOG

Company	J. B. Collins 1007 Cody - Suite A Hays, KS 67601	Sec. 22 Twp. 13 Rng. 20	
Farm	Herman No. 3	Location	SW NW SW 20
Total Depth	3,880'	County	Ellis
Comm.	10-18-78 Comp. 10-24-78	Elevation:	2240 K. B.
Contractor	Dreiling Oil, Inc. Rt. #1 Victoria, KS 67671		2237 D. F. 2235 G. R.

Casing Record	Cement Record	Production:
206' - 8 5/8" 3,871' - 5 1/2"	150 sacks cement cemented w/100 sacks common	

Figures Indicate Bottom of Formations

0'	105'	Top Soil
105'	1011'	Shale
1011'	1291'	Sand
1291'	1559'	Shale
1559'	1602'	Anhydrite
1602'	2451'	Shale
2451'	2798'	Shale & Lime
2798'	3050'	Shale
3050'	3235'	Shale
3235'	3395'	Shale & Lime
3395'	3880'	Lime
3880'	T.D.	

STATE OF KANSAS)
)ss
COUNTY OF ELLIS)

I, Joseph A. Hess, Secretary Treasurer of Dreiling Oil, Inc., upon oath states that the above and foregoing is a true and correct copy from the Daily Drilling Report from the Herman #3.

Joseph A. Hess
JOSEPH A. HESS

Subscribed and sworn to before me this 30th day of October, 1978.

Cecilia Basgall
Cecilia Basgall Notary Public

CECILIA BASGALL
NOTARY PUBLIC
Ellis County, Kansas