

DRILLERS' LOG

SANDS DRILLING COMPANY  
No. 1 McCracken  
990'FNL & 1320'FWL  
Sec. 5-34S-12W  
Barber County, Kansas

Commenced: 3-9-76  
Completed: 3-19-76

Surface Casing: 201' of  
8-5/8" cemented w/170 sx  
common cement, 3%cc.  
3-9-76

FORMATION

DEPTH

Surface Hole	0 - 209
Red Bed	209 - 360
Shale	360 - 1530
Shale & Lime	1530 - 1935
Lime & Shale	1935 - 2135
Shale	2135 - 2385
Lime & Shale	2385 - 2720
Shale & Lime	2720 - 3220
Lime & Shale	3220 - 3280
Shale & Lime	3280 - 3790
Lime & Shale	3790 - 3955
Shale & Lime	3955 - 4120
Lime	4120 - 4610
Shale & Lime	4610 - 4725
Lime & Shale	4725 - 4925 RTD

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

D N B DRILLING, INC.

*James L. Donelson*  
JAMES L. DONELSON



STATE OF KANSAS: ss:

Subscribed and sworn to before me this 26th day of March 1976.

*Ella Priess*

Ella Priess, Notary Public

*Ella Priess*  
STATE NOTARY PUBLIC  
Sedgwick County, Kansas  
My Com. Expires Aug. 25, 1976