15-191-20670
24-31-4W

Geological Survey
WICHITA, BRANCH

DRILLERS' LOG

CHARLES W. SANDERS OIL CO., INC.
No. 1 Rayne
C E/2 NW Sec. 24-31S-4W
Sumner Co., Kansas

Commenced: 6-22-77
Completed: 7-2-77

Surface Casing: 206' of 8-5/8" cemented w/175 sx cement, 2% gel, 3% cc. 6-23-77

FORMATION	DEPTH	
Surface Hole	0 - 216	
Shale & Sand	216 - 500	
Sand, Shale, Lime	500 - 1080	
Shale, Sand, Lime	1080 - 1360	
Shale, Lime, Sand	1360 - 1800	
Sand	1800 - 1830	
Shale, Sand, Lime	1830 - 1907	
Shale & Lime	1907 - 2120	
Lime & Shale	2120 - 2315	
Shale & Lime	2315 - 2382	
Lime & Shale	2382 - 2609	
Sand	2609 - 2617	
Sand & Shale	2617 - 2710	
Shale & Lime	2710 - 2850	
Lime & Shale	2850 - 2880	
Shale & Lime	2880 - 3035	
Lime & Shale	3035 - 3057	
Shale & Sand	3057 - 3165	
Sand & Shale	3165 - 3362	
Lime & Shale	3362 - 3427	
Lime	3427 - 3613	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.

Ella Priess

Ella Priess

STATE OF KANSAS: ss:

Subscribed and sworn to before me this 7th day of July, 1977

DOROTHY L. SCHMIDT
STATE NOTARY PUBLIC
Sedgwick County, Kansas
My Appt. Exp. April 30, 1979

Dorothy L. Schmidt

Dorothy L. Schmidt, Notary Public