

WICHITA BRANCH

DRILLERS LOG

No. 4 Dick

17-10-19W
15-163-20754

CASING RECORD: COMPANY: Frontier Oil Company DESCRIPTION:
8 5/8" @ 255' CONTRACTOR: Red Tiger Drilling Company NW/4 NE/4 NW/4
w/170 sx cement COMMENCED: November 7, 1977 Sec. 17-T10S-R19W
4 1/2" @ 3,753' COMPLETED: November 20, 1977 Rooks County, Kansas
w/800 sx cement
TOTAL DEPTH: 3,759' ELEVATION: 2,191' KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand & Shale	0	258	
Shale & Red Bed	258	790	
Sand	790	885	
Shale	885	1090	
Sand	1090	1285	
Shale & Red Bed	1285	1605	
Anhydrite	1605	1648	
Shale	1648	2136	
Shale w/Lime Streaks	2136	2475	
Shale & Lime	2475	3015	
Lime	3015	3060	
Lime & Shale	3060	3175	
Lime	3175	3759	
RTD		3759	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

Subscribed and sworn to before me this 22nd day of November, 1977.

Joyce A. Hagermann
Notary Public