

NOV 21 1970

DRILLERS LOG

No. 1 Allen "D"

CASING RECORD:

8 5/8" @ 207.40'  
w/150 sx cement

4 1/2" @ 3149'  
w/600 sx cement

TOTAL DEPTH: 3555'

COMPANY: Frontier Oil Company

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: August 3, 1970

COMPLETED: August 14, 1970

DESCRIPTION:

C NE NW  
33-16S-16W  
Rush County,  
Kansas

ELEVATION: 1980 DF  
1983 RB

*Sp. 1,686,000 CF6PD  
Tape*

FORMATION

FROM

TO

REMARKS

Post Rock & Shale  
Shale & Shells  
Shale & Sand  
Sand  
Shale  
Anhydrite  
Shale  
Shale & Lime  
Lime

0  
110  
210  
490  
710  
1079  
1107  
1250  
2990

110  
210  
490  
710  
1079  
1107  
1250  
2990  
3555

*Sample Taps*  
*Anhydrite 1079*  
*Tape 2979*  
*Heebner 3210*  
*LKC 3266*  
*BKC 3487*  
*Cherty Cong. 3524*  
*Orlunckle 3548*

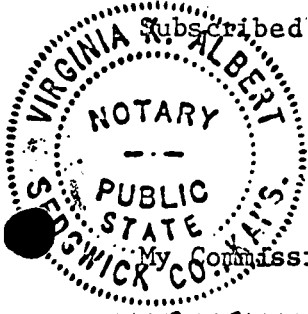
I certify that this is a true and correct copy of the above log to the best of my knowledge.

FRONTIER OIL COMPANY

*Jim Farrice*  
Jim Farrice



Subscribed and sworn to before me this 19 day of August, 1970.



*Virginia R. Albert*  
Notary Public

My Commission Expires:

July 23, 1974