

6-16-17W  
off C SW SE NE

MAY 22 1971

DRILLERS LOG

No. 1 Williams

CASING RECORD	COMPANY:	Frontier Oil Co.	DESCRIPTION:
13" @ 65' w/100 sx cement	CONTRACTOR:	Red Tiger Drilling Co.	SW SE NE 6-168-17W
8 5/8" @ 1031.50' w/225 sx cement	COMMENCED:	January 29, 1971	Rush County, Kansas
4 1/2" @ 3456' w/150 sx cement	COMPLETED:	February 12, 1971	
TOTAL DEPTH: 3438'			ELEVATION: 1894 GL 1899 RB

P 10L BOPD + 10% wtr  
KC GR 40

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Surface soil, Post Rock, Hard sand, Gravel & Shale	0	67	Log Japs
Sand & Shale	67	440	anhydrite 1025
Sand	440	670	Japska 2897
Shale	670	793	Heelner 3125
Shale & Red bed	793	985	LKC 3176
Red Bed	985	1025	Arhucple 3428
Anhydrite	1025	1069	
Shale	1069	1500	
Shale & Lime	1500	2885	
Lime	2885	2914	
Lime	2914	3438	

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 17th day of February, 1971.



*Virginia K. Albert*  
Notary Public