

Drillers Log

No. 1 Engel

CASING RECORD:

8 5/8" @246'  
w/160 sx cmt

COMPANY: Frontier Oil Company

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: January 14, 1976

COMPLETED: January 27, 1976

DESCRIPTION: C/SE $\frac{1}{4}$   
Sec.27-16S-17W  
Rush County,  
Kansas

TOTAL DEPTH: 3620'

ELEVATION: 2040' GL/2045' KB

---

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Shale	0	215	
Shale	215	250	
Clay & Shale	250	588	
Sand & Shale	588	788	
Shale	788	845	
bed & Shale	845	1165	
Anhydrite	1165	1200	
Anhydrite	1200	1206	
Shale	1206	1600	
Shale	1600	1866	
Shale & Lime	1866	1975	
Shale & Lime	1975	2070	
Shale & Lime	2070	2075	
Shale & Lime	2075	2275	
Shale & Lime	2275	2450	
Shale & Lime	2450	2575	
Lime & Shale	2575	2720	
Lime & Shale	2720	2863	
Lime	2863	2870	
Lime	2870	2905	
Lime	2905	3010	
Lime	3010	3076	
Lime	3076	3100	
Lime	3100	3180	
Lime	3180	3268	
Lime	3268	3345	
Lime	3345	3352	
Lime	3352	3400	
Lime	3400	3424	
Lime	3424	3457	
Lime	3457	3492	
Lime	3492	3505	
Lime	3505	3564	
Lime	3564	3620	
RTD		3620	

---

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

RED TIGER DRILLING COMPANY

*Red Tiger*