

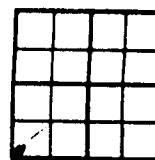
KANSAS GEOLOGICAL SOCIETY  
 KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU  
 KANSAS GEOLOGICAL SOCIETY BUILDING  
 508 EAST MURDOCK - WICHITA, KANSAS

COMPANY FRONTIER OIL  
 FARM Douglass NO. 1

SEC. 31 T. 16 R. 16W  
 LOC. SW SW SW

TOTAL DEPTH 3614'  
 COMM. 9-26-67 COMP. 10-6-67  
 BHT OR TREATED  
 CONTRACTOR Red Tiger Drlg.  
 ISSUED 11-4-67

COUNTY Rush  
 KANSAS



CASING

20	10	
15	8	5/8" 218.30' cem w/ 135 sx
12	6	
13	5	

ELEVATION 2019' KB

PRODUCTION DRY/ Ch Cong

FIGURES INDICATE BOTTOM OF FORMATIONS

Cellar & Clay	0	35
Post Rock	35	85
Shale	85	220
Shale & Red Bed	220	530
Sand	530	740
Shale & Shells	740	770
Red Bed & Shale	770	1124
Anhydrite	1124	1160
Shale & Shells	1160	1880
Shale w/Lime	1880	2315
Lime	2315	2390
Shale & Lime	2390	3052
Lime	3052	3614

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

FRONTIER OIL COMPANY

Anhydrite	1124	(+ 895)
Topeka	3032	(-1013)
Heebner	3258	(-1239)
Lansing-Kansas City	3313	(-1294)
Base of Kansas City	3542	(-1523)
Cherty Conglomerate	3564	(-1545)
Rotary Total Depth	3614	(-1595)