

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

COMPANY RAINS & WILLIAMSON OIL, INC.

SEC. 2 T. 13 N. 21W  
 LOG. NE SW SE

FARM Deutscher NO. 1

TOTAL DEPTH 3850

COUNTY Trego  
 KANSAS

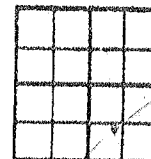
COMM. 2-15-67

COMP. 2-23-67

SHOT OR TREATED

CONTRACTOR Rains & Williamson

ISSUED 4-1-67



CASING

20	10	
15	8	5/8" @ 213.23' w/160 sx
12	6	
13	5	

ELEVATION 2165' KB

PRODUCTION DRY/ARB

FIGURES INDICATE BOTTOM OF FORMATIONS

**Remarks:** Set 8-5/8" surface casing at 213.23' with 160 sacks GL-3 cement.

**FORMATIONS:**

**TOPS: SAMPLE**

Surface clay and Sand	105'	Anhydrite	1528
Shale	1025'	B/Anhydrite	1576
Sand	1242'	Topeka	3195
Shale	1528'	Heebner	3420
Anhydrite	1576'	Toronto	3442
Shale	2195'	Lansing	3457
Shale and Lime	2370'	B/Kansas City	3701
Lime and Shale	2650'	Marmaton	3764
Shale and Lime	2900'	Conglomerate	3816
Lime and Shale	3485'	Arbuckle	3843
Lime	3755'		
Lime and Chert	3793'		
Lime	3850'		
Rotary Total Depth (D & A)	3850'		

We certify the above log is true and correct to the best of our knowledge and belief.

RAINS & WILLIAMSON OIL CO., INC.

  
 \_\_\_\_\_  
 Wilson Rains

scribed and sworn to before me, a Notary Public in and for the State of Kansas, County of Sedgwick, this 27th day of February, 1967.