

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

21-16-17W

COMPANY RAINS & WILLIAMSON

SEC. 21 T. 16 R. 17W
 LBB. C NW SE

FARM Roth NR. 1

TOTAL DEPTH 3604'
 COMM. 3-18-68 CORR. 3-29-68
 SHOT OR TREATED
 CONTRACTOR Rains & Williamson
 ISSUED 5-4-68

COUNTY Rush

KANSAS			

CASING
 20 10
 15 5 5/8" 1149' cem w/ 450 sx
 12 6
 13 5 1/2" 3603' cem w/ 175 sx

ELEVATION 2018' KB

PRODUCTION P 163 BOPD, NW
 CG sand 3537 1/2 - 41' NEW Pay

FIGURES INDICATE BOTTOM OF FORMATIONS

Clay and Post Rock	70'
Shale	515'
Sand	790'
Shale	1141'
Anhydrite	1176'
Shale and Shells	1810'
Lime and Shale	2513'
Shale and Lime	3045'
Lime	3546'
Sand (Conglomerate)	3555'
Lime	3604'
Rotary Total Depth	3604'

TOPS: LOG	
Anhydrite (s)	1142
Base Anhydrite (s)	1176
Topeka	3018
Heebner	3248
Lansing	3298
Base Kansas City	3532
Conglomerate sand	3537
Base Conglomerate	
sand	3544
Arbuckle	3557
TD	3604

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

RAINS & WILLIAMSON OIL CO., INC.

Wilson Rains

Subscribed and sworn to before me, a Notary Public within and for the State of Kansas, County of Sedgwick, this 2nd day of April, 1968.

Sherry Gish
 Sherry Gish Notary Public

My Commission Expires:
 June 30, 1971