

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.  
412 Union National Bank Bldg, Wichita, Kansas.

EMPIRE OIL & REFG.  
Jansson No. 4-A

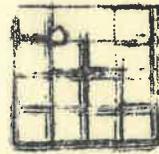
SEC. 3 T. 18 R. 8W.  
SW NE NW  
896' S 996' W N $\frac{1}{2}$  cor.

Total Depth. 3267  
Comm. 7-10-36 Comp. 8-7-36  
Shot or Treated.  
Contractor. Shaffer Drlg Co.  
Issued. 11-7-36

County Rice.

CASING.

12 $\frac{1}{2}$ " 201'  
7" 3226'  
53/16" 44'6" @ 3244'



Elevation.

Production. Pot. 260B.O.  
30 BW.

Figures Indicate Bottom of Formations.

collar	9	lime	2710
rod bod	40	shale and lime sholls	2753
rod bod and shale	94	lime	2808
water sand	149	shale and lime sholls	2888
lime sholls and shale	204	lime	2952
shale and sholls	388	shale and sholls	2970
lime	446	lime	3214
shalo and sholls	880	shale	3224
salt	931	conglomerate	3234
shalo and salt	1056	conglomerate and lime	3235
shalo and sholls	1175	SIM corr. 3235 equals	3236
lime	1230	lime	3239
shale and sholls	1280	conglomerate	3243
broken lime	1345	siliceous lime(solid)	3267
shale	1400		
broken lime	1447	Total Depth.	
shale	1475	Acidized 8-9-36	3000 gal.
lime	1504	shot 10 qts 8-18-36	3257-62
broken lime	1702	acidized 4000 gal 8-24-36	
lime	1715		
shale and sholls	1873		
broken lime	1891		
shale and sholls	2025		
broken lime	2050		
shale and sholls	2115		
lime	2156		
broken lime	2202		
shale and sholls	2237		
broken lime	2255		
shale and sholls	2315		
broken lime	2334		
shale and sholls	2341		
shale	2364		
lime	2390		
lime broken	2450		
lime	2557		
broken lime	2614		
lime	2685		
broken lime	2695		