

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

CITIES SERVICE OIL CO.  
Graham No. 5

SEC. 28 T. 14 R. 13W.  
CSL NE NW  
990' So. 660' West of N/4  
Corner

Total Depth. 3170 P.B. 3140  
Comm. 3-13-41 Comp. 3-28-41  
Shot or Treated.  
Contractor. Hisson Drilling Co.  
Issued. 5-31-41

County Russell.



CASING.

85/8" 328' cemented.  
5 1/2" 3159' cemented.

Elevation.

Production. Pot. 693 B.

Figures Indicate Bottom of Formations. 25% water, Physical.

shale sand and lime	150	4-2-41	Perforated by Lane Wells
lime and shale	328		as follows.
red bed, shale and lime	591		24 shots 2902-07
anhydrite	640		24 shots 2917-21
red bed and shale	1128		36 shots 2974-80
shale and salt	1390		
shale and shells	1511	Pay	2903-06
lime	1542	"	2919-21
broken lime	1573	"	2976-80
lime	2044		
lime and shale	2144		
broken lime	2247	3500 Gal	2902-21
shale and shells	2330	4000 gal	2974-80
sand	2332		
cored sdy shale (Rec. 10'-8")	2343		
shale & lime shells	2463		
shale	2534		
lime	2842		
shale	2884		
lime	2903		
lime cored (Rec 5')	2909		
limo	2919		
lime cored (Rec. 1')	2928		
lime	2977		
lime cored (Rec. 8 1/2')	2995		
limo	3158		
sand	3159		
Rot. T.D. 3159 equals 3159	SIM		
sand	3170		
Total Dophth.			

Top Lansing. 2884  
Gorham sd 3158  
Penetration 12'

2400' water in 3 1/4 hours from Gorham  
sand at 3170

Cemented back to 3140 with 3 sacks of cement.