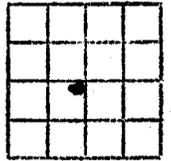


**WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY**  
 508 East Murdock, Wichita, Kansas

Company- CITIES SERVICE OIL COMPANY  
 Farm- Adams "D" No. 4

15-163-01438  
 SEC. 4 T. 9 R. 16W  
 NE NE SW  
 330' S & 330' W of  
 Center  
 County Rooks  
 KANSAS

Total Depth. 3400' PBDT 3382'  
 Comm. 10-17-56 Comp. 10-28-56  
 Shot or Treated.  
 Contractor. Braden Drilling Company  
 Issued. 12-8-56



Elevation. 2008' DF

Production. 47 oil, 117 wtr.,  
 24 hrs.

Figures Indicate Bottom of Formations

sand & shale	50
shale & shells	190
shale	240
shale & shells	750
sand & shells	975
shale & shells	1245
Anhydrite	1280
shale & shells	1700
lime & shale	2155
lime	2530
lime & shale	2930
lime	3135
lime & shale	3180
lime	3400 RTD
Total Depth	
SLM	3398

TOPS Corr	
Topeka	2857
Heebner	3077
Dodge	3097
Lansing	3117
Base/Kansas City	3374

Drilled cement to 3384' SLM  
 7 7/8" rotary hole  
 PERFERATION  
 44 shots 3332-43  
 33 shots 3306-14  
 41 shots 3240-50  
 25 shots 3200-06  
 6 shots 3188-93; hole filled  
 approximately 500' mud in 20  
 minutes.

Lane-Wells plug @3225'. Set  
 retainer @3170' & squeezed  
 perfs. 3188-3206 w/175 sx  
 cement; 160 sx through perfs.,  
 1000# standing pressure.

Drilled cement to 3224 SLM

Perf.  
 24 shots 3200-06  
 33 shots 3185-93  
 53 shots 3156-69  
 21 shots 3127-32  
 21 shots 3117-22

Drove Lane-Wells plug to 3382.

Acidizing Record 11-9-56  
 1250 gals. 3332-43  
 1000 gals. 3306-14  
 1000 gals. 3240-50  
 750 gals. 3200-06  
 1000 gals. 3185-93  
 1500 gals. 3156-69  
 1000 gals. 3117-32