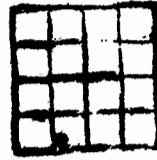


CITIES SERVICE OIL CO.  
 Hall No. 3-A.

SEC. 14 T. 11 R. 17W  
 SW SE SW  
 330'N 1627'E SW Cor.

Total Depth. 3367'  
 Comm. 9-11-38 Comp. 10-6-38  
 Shot or Treated.  
 Contractor. J.E. Mabee Co.  
 Issued. 11-12-38 Rotary 3359  
 Std. Tools 3367

County. Ellis



Elevation.

CASING:  
 15 1/2" 107'  
 10 3/4" 1077'  
 7" 3357'

Production. Pot. 530 B.  
 No wtr.

Figures Indicate Bottom of Formations.

clay	40	cored shale	3351 1/2
sand	80	cored sand	3353
shale	107	cored shale	3355
shale & iron	175	cored conglomerate	3358
shale & shells	435	SIM 3357 equals 3359	
iron shells	455	lime	3367
shale & shells	528	Total Depth.	
iron & sand	550		
shale & shells	600		
sand	735	3359-64 pay	
shale	805	3364-67 hrd & tight	
shale, shells & red bed	915		
shale, red bed	1040	Top Arbuckle 3359	
red bed	1055	Penetration 8	
shale blue	1075	T.D. 3367	
lime white sft	1078	Fillup: 3359-62 2000' 30 min.	
anhydrite	1108	2500' 1 1/2 hrs.	
shale red	1135	2900' 2 1/2 hrs.	
shale & red bed	1275	3150' total fillup	
shale & shells	1425	3362-67 no change	
salt, shale & shells	1560		
shale & shells	1695		
SIM 1695 equals 1685			
shale & shells	1730		
lime	1737		
shale & shells	1766		
lime	1795		
shale	1835		
brkn lime	1850		
lime & shale	1923		
lime brkn	1975		
lime & shale	2048		
lime	2100		
shale	2134		
shale & lime	2295		
shale	2312		
lime	2326		
shale & shells	2373		
lime & shale	2511		
brkn lime	2537		
shale	2586		
lime	2593		
shale & lime	2725		
shale & shells	2770		
brkn lime	2815		
lime	2923		
lime hrd & chert	2970		
lime	3030		
brkn lime	3039		
brkn lime & chert	3055		
lime	3060		
shale red	3068		
lime	3175		
brkn lime	3186		
lime	3249		
brkn lime	3270		
shale & lime brkn	3291		
lime	3320		
lime & shale	3347		