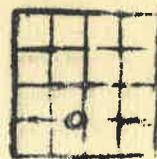


CITIES SERVICE OIL CO.  
 Schroeder No. 4-A.

SEC. 29 T. 17 R. 9W  
 CEL SW  $\frac{1}{4}$   
 1320' N 440' W S  $\frac{1}{4}$  Cor.

Total Depth. 3237'  
 Comm. 9-3-38 Comp. 9-25-38  
 Shot or Treated.  
 Contractor. R.W.Rine  
 Issued. 11-26-38

County. Ellsworth



CASING :

10  $\frac{5}{8}$ " 245'  
 65/8" 3232'

Elevation.

Production. Pot. 1997 B.

Figures Indicate Bottom of Formations.

No wtr.

surface clay & sand	135
shale & lime shells	245
red bed, shale & shells	545
red bed, shale	703
shale & shells	924
brkn salt	1012
salt, shale & shells	1275
shale & shells	1415
shale sticky	1485
shale, lime shells, gyp	1654
sdylime	1716
shale, lime shells, gyp	1896
shale & gyp	1983
shale & shells	2130
shale & lime	2344
shale	2412
shale & lime shells	2515
lime	2771
shale & lime	2923
lime	3195
shale & lime	3211
shale & sand	3231
lime	3237
Total Depth.	

Top Arbuckle 3231 (Corr.)  
 Penetration 6  
 T.D. 3237

Fillup:

2800' fluid at 3:00 P.M.  
 3000' fluid at 6:30 P.M.  
 3100' fluid at 10:30 P.M.