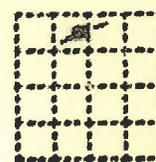


CITIES SERVICE OIL CO.
 Hogan No. 4.

SEC.11 T.17 R.11 W
 CEL NE NW
 660'S 330'W N $\frac{1}{4}$ Cor.

Total Depth. 3430'
 Comm. 9-25-41 Comp. 10-10-41
 Shot or Treated. None
 Contractor. Glen Drlg.Co.
 Issued. 12-6-41

County. Barton



CASING:
 10 $\frac{3}{4}$ " 395' Cem.

Elevation.

Production. Dry

Figures Indicate Bottom of Formations.

cellar	0-10	Top Arbuckle 3408
shale & clay	150	Penetration 22
sand	240	
shale	280	10-11-41 Halliburton drill
sand	385	stem test, packer at 3418,
shale	395	open 20 min., made 1425'
shale blue	450	of sulphur wtr, no oil
red bed & shale	710	
anhydrite	750	
shale & shells	875	
shale & lime shells	1215	
shale & shells	1270	
salt & shale	1460	
shale blue	1490	
anhydrite&shale strks	1570	
shale & anhydrite	1725	
anhydrite	1750	
shale & sand	1780	
lime & shale	1835	
lime & shale brks	1893	
lime & shale	1960	
shale & shells	2040	
shale blue	2065	
lime wh	2072	
shale blue	2082	
lime gy	2110	
shale sft	2132	
lime hd	2145	
lime	2165	
shale	2195	
shale & lime shells	2229	
shale blue	2249	
lime brkn & shale	2280	
shale & shells	2332	
shale blue & lime	2415	
lime gy hd	2440	
shale blue	2455	
shale	2495	
lime	2510	
shale & lime strks	2555	
shale blk	2565	
lime&shale strks hd	2590	
shale blue&lime shells	2700	
lime wh	2718	
shale blue	2725	
lime wh hd	2768	
lime wh & gy	2821	
lime wh & shale blue	2866	
lime & shale	2931	
lime brown	2967	
lime wh & brown	3005	
lime wh hd	3015	
shale & lime med	3053	
lime brkn	3183	
lime wh sft	3201	
lime hd & chert	3219	
lime wh hd	3240	
lime wh med	3282	
lime wh	3331	
lime	3430	
Total Depth.		