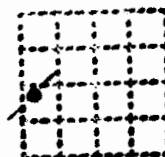


HELMERICH & PAYNE, INC.
Penn No. 1.

SEC. 16 T. 2 R. 29 W
NW c SW

Total Depth. 4302'
Comm. 3-31-43 Comp. 4-21-43
Shot or Treated.
Contractor.
Issued. 5-15-43

County. Decatur



CASING:
10 $\frac{3}{4}$ " 207' Cem.

Elevation.

Production. Dry

Figures Indicate Bottom of Formations.

surface clay	0-35	Top Topeka 3622
sand	60	
clay & shells	115	
sand	125	
shale	140	
sand	160	
shale & shells	1405	
sand, shale strks	1610	
sand	1650	
shale, shells, sand	1815	
shale & sand strks	1860	
sand	1890	
red bed	1895	
red bed sticky	1902	
shale & red bed	1945	
shale	2230	
sdv shale	2320	
shale, red bed, shells	2425	
shale	2435	
anhydrite	2470	
lime & anhydrite	2474	
lime & shale	2515	
shale	2525	
shale & lime	2625	
shale	2840	
lime & shale	3075	
lime brkn	3210	
lime	3355	
lime & shale	3410	
shale	3445	
lime & shale	3480	
shale red & green	3510	
lime	3600	
lime & shale	3655	
lime	3683	
shale	3702	
lime	3725	
lime & shale	3752	
lime K.C.	3785	
lime & shale	3945	
lime	3960	
shale	4101	
sand	4108	

sand & shale	4121
sand hd & shale strks	4131
sand	4139
shale sticky	4155
shale	4174
chert	4185
Viola chert	4187
conglomerate	4206
Arbuckle dolomite	4274
Arbuckle lime	4302
Total Depth.	