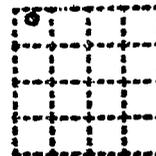


WM. N. BARTLETT - HELMERICH & PAYNE, INC.  
Moran No. 1.

SEC. 25 T. 17 R. 11 W  
CN  $\frac{1}{2}$  NW NW.

Total Depth. 3321  $\frac{1}{2}$ '  
Comm. 8-5-41 Comp. 9-19-41  
Shot or Treated.  
Contractor.  
Issued. 12-27-41

County. Barton



CASING:  
8 5/8" 310' Cem.  
5 1/2" 3297' Cem.

Elevation.

Production. Pot. 346 B.

Figures Indicate Bottom of Formations.

clay & sand	0-100
sand & shale	300
shale	310
shale & sand	510
red bed & sand	630
anhydrite	645
shale & sand	910
shale	1105
shale & shells	1325
shale & lime	1505
lime brkn	1870
shale & lime	2000
shale & shells	2120
shale	2400
lime & shale	2600
lime brkn	2690
lime	2948
shale & lime	3020
lime	3295
lime Arbuckle	3308
limo brkn & shale	3312 $\frac{1}{2}$
lime	3321 $\frac{1}{2}$
Total Depth.	

Tops:  
Winfield 1560  
Ft. Riley 1600  
Florence Flint (Base) 1740  
Howard 2550  
Brkn Topeka 2645  
Solid Topeka 2740  
Lansing-Kansas City 3018  
Conglomerate 3287  
Arbuckle 3295