

Pl

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.  
Union National Bk Bldg, Wichita, Kansas.

EMPIRE OIL & REFINING CO.  
Holtje No. 1.

SEC 9 T. 26 R. 4W.  
NWc NE  
330' S 330' E of N $\frac{1}{2}$  cor.

Total Depth. 4118  
Comm. 3-18-36 Comp. 5-2-36  
Shot or Treated.  
Contractor. Rine Drlg  
Issued. 6-20-36

County. Reno.

CASING.

12 $\frac{1}{2}$ " 165' left in  
7" 4085' Pulled 2180'  
53/16" liner 63'9" set at 4116' SLM Pulled.



Elevation. 1553

Production. DRY.

Figures Indicate Bottom of Formations.

lime shells shale and sand	75	shale and shells	3080
lime shells and shale	165	lime	3085
shale and shells	791	lime hard	3095
salt and lime shells	852	shelly lime	3125
lime shells and salt	875	lime	3145
salt shale and shells	1033	lime hard	3165
shale shells and sand	1087	lime	3217
lime shells and shale	1132	lime hard	3280
shale lime and sand	1211	lime	3326
lime	1264	lime hard	3350
shale and lime	1289	lime	3375
sand and lime	1338	shale sticky	3386
lime	1414	shale and shells	3433
lime and shale	1475	shale and lime shells	3481
shale and shells	1633	lime	3501
lime shells and shale	1806	lime and shale	3534
shale and shells	1955	shale and lime	3659
lime	1997	cherty lime	3662
lime shells and shale	2070	chert lime and shale	3717
shale and shells	2150	cherty lime	3808
lime	2225	lime	3835
shale and shells	2280	cherty lime	3846
shale	2285	lime	3926
lime	2339	lime and shale	3952
shale	2347	lime	3970
lime	2383	cherty lime	3975
lime and shale	2418	lime	3990
lime	2650	shale	4117
lime shells and shale	2720	lime sand	4120
lime	2747	SLM corr. 4120 equals 4118	
shale	2750	Total Depth.	
lime	2790		
shale and shells	2925	Top Viola lime 4115-SLM	
lime	3008		
shale and shells	3028		
broken lime	3054		

3667  
1553  
2114

4115  
1553  
2562