

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

EMPIRE OIL & REFG. CO.
Sifers No. 1

SEC. 3 T. 21 R. 11W
NEc SW
330'S 330'W of Cen.

County. Stafford.

Total Depth. 3343'
Comm. 5-4-36 Comp. 7-1-36
Shot or Treated. 2000 Gals. 6-25-36, 2000 Gals.
Contractor. Corbett & Barbour 7-8-36
Issued. 8-29-36



CASING:

15 1/2" 210'
12 1/2" 301'
8 1/4" 3065'
6 5/8" 3193'
5 3/16" 153'10" at 3324'

Elevation.

Production. 803 Oil,
no water.

Figures Indicate Bottom of Formations.

sand	80	shale	2378	sand lime Meas. Corr.	
clay	83	broken lime	2430		3287-3296
sandy clay	150	shale & shells	2524	lime	3320
shale	200	shale	2536	conglomerate	3322
sand	220	sticky shale	2556	SLM Corr.	3322-3324
sand & gravel	260	shale & shells	2675	Sil. lime	3337
red bed	300	lime	2694	lime	3343
shells	305	Topeka lime	2965	S.O. 3335'	
sdv shells	450	shale & red rock	3055	730' oil 3 hrs.	
red bed	686	cored	3055-3073	Siliceous lime	3324-43'
red rock & shells	780	shale	3055-3066	Total Depth	
shale & shells	800	shale & lime	3066-3069		
lime	840	lime	3069-3073	Acidized 7-8-36 with	
shale & shells	900	SLM Corr.	3073-3078	2000 Gallons	
shells	994	McCullough Corr.		Acidized 6-25-36 with	
shale & shells	1050	Top Lansing	3074 Corr.	2000 Gallons	
salt & shells	1100				
salt & red bed	1245	lime	3083		
salt	1295	lime hrd	3087		
salt & shells	1330	lime sft	3093		
shale & shells	1350	S. Gas	3087-93		
anhydrite	1420	lime	3097		
lime hrd	1500	lime & shale	3110		
broken lime	1545	S.S.O. 3102-10			
shale & shells	1595	lime	3117		
lime	1614	Inc. in oil	3110-15		
broken lime	1765	shale	3133		
shale & shells	1780	shells	3145		
lime	1805	lime hrd	3150		
broken lime	1850	sand	3158		
shale & shells	1950	oil & wtr	3150-58		
broken lime	2000	lime	3185		
shale & shells	2035	lime hrd	3195		
sticky shale	2050	S L M Corr.	3195-3180		
lime rough	2080	lime	3192		
broken lime	2140	lime hrd	3202		
shale & shells	2157	SLM Corr.	3202-3197		
shale	2300	lime	3287		
lime	2315	S.O. & Gas	3203		