

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

EMPIRE OIL & REFG.
 Guldner No. 3.

SEC 9 T.18 R. 9W
 SE SW SW
 330' N 991' E SW Cor.

Total Depth. 3239'
 Comm. 1-26-36 Comp. 3-14-36
 Shot or Treated.
 Contractor, Rine Drlg. Co.
 Issued. 5-9-36

County. Rice

CASING.
 12 $\frac{1}{2}$ " 225'
 6 5/8" 3213'
 5 3/16" 40'11" liner set at 3231'



Elevation.

Production. Pot. 964 B.

Figures Indicate Bottom of Formations.

clay & sand	105
lime	110
sand, shale, shells	225
sand & clay	700
shale & shells	941
shale & salt	1147
salt, shale & lime shells	1304
shale & shells	1453
shale, lime & sand	1580
lime & shale	1650
shale, shells, lime	1761
shale	2010
stickey shale & shells	2123
shale	2332
shale, lime	2356
lime & shale	2456
shale & lime	2560
lime	2707
shale & lime	2739
lime	2793
lime & shale	3049
lime	3123
shale	3168
Correction 3168=3178	
shale blue	3211
conglomerate	3217
Correction 3217=3219	
sand & shale green	3231
S.O. 3230-31'	
sand	3232
shale green	3234
S.L.M. 3234=3231	
lime	3239
Total Depth	

200' oil in hole 3231
 Top Siliceous 3231