

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

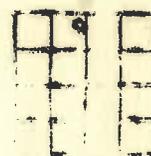
EMPIRE OIL & RFG. CO.  
 Janssen No. 1.

SEC 3 T. 18 R. 8W  
 NE c NW  
 330' S 330' W N $\frac{1}{4}$  Cor.

Total Depth. 3281'  
 Comm. 2-17-36 Comp. 3-18-36  
 Shot or Treated.  
 Contractor. Corbett & Barbour  
 Issued. 5-9-36

County. Rice

CASING.  
 12 $\frac{1}{2}$ " 218'  
 8 $\frac{1}{4}$ " 3253'



Elevation. 1781

Production. 360 Bbls. 12 hrs.

Figures Indicate Bottom of Formations.

surface clay	15	lime	2063
gypsum	35	shale	2150
red bed	50	lime	2162
sandy clay	80	shale & shells	2208
shale & shells	110	lime	2260
sand	135	shale & shells	2274
shale	140	lime	2323
red bed	195	shale	2333
shale & shells	220	lime	2374
lime & shells	225	broken lime	2456
shale & shells	240	lime	2504
red bed	300	Topoka lime	2685
sandy shale	316	broken lime	2751
shale	350	shale & shells	2800
shale & shells	619	lime	2821
lime	649	shale & lime shells	2881
lime, shells, shale	710	broken lime	2920
shale	740	shale & shells	2929
		K.C. lime	2996
shale, lime shells	860	lime	3050
salt & shells	915	broken lime	3070
salt	1086	lime	3161
slate & shell	1106	broken lime & shale	3212
lime	1237	lime	3218
broken lime	1244	shale	3250
shell	1292	conglomerate	3255
shale & shells	1315	Correction S.L.M.	3255=3254
lime	1331	lime	3262
shale	1338	lime & chert	3269
lime	1345	Correction S.L.M.	3269=3272
shale	1350	chert	3273
shale & shells	1511	chert & lime	3274
lime	1554	lime	3278
shale & shells	1625	cherty lime	3279 $\frac{1}{2}$
lime	1640	lime	3281
shale	1650	Total Depth Corr.	
lime	1777		
shale & lime shells	1872	T. Arbuckle	3251' (Corr.)
lime	1940	G. S. O.	3253-54
shale	1991	Best Pay	3259-64
shale shells	2003		3274-77

3000' oil in hole at 3277'

558 Nat. at 3277'  
 D.D. to 3281' Pumped  
 360 Bbls. in 12 hrs. after  
 D.D.  
 Reported 5% water

S.C.T.  
 K.C. 2850  
 S.I. 3254

2929  
 1781  
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 1148

3254  
 1781  
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 1473