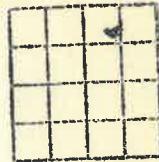


WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY  
508 East Murdock Wichita, Kansas

Company - CITIES SERVICE OIL CO.  
Farm - Lorenz No. 4

SEC. 31 T. 27 R. 4W  
SE NW NE  
990' S, 990' E. of N $\frac{1}{4}$  Cor.

County. Sedgwick  
KANSAS



Total Depth. 3760  
Comm. 7-6-50 Comp. 8-12-50  
Shot or Treated.  
Contractor. R. W. Rine Drlg. Co. & Pabco Drlg. Co.  
Issued. 7-7-51

Elevation. 1107' RTB

Production. 283 BO 10% wtr PD

CASING:

8 5/8" 210' cem. w/35 sx  
5 1/2" 3699' cem. w/150 sx

Figures Indicate Bottom of Formations.

shale & red bed	214
shale & salt	640
shale & lime shells	800
anhydrite	850
lime & shale	1670
shale	1940
shale & lime	2340
lime	3350
lime & shale	3395
lime	3485
lime & shale	3520
shale	3555
lime	3610
lime & shale	3655
lime	3760
Total Depth	
Tops:	
Brown Lime	2830
Base	2841
Lansing Lime	2866
Base	3330
Miss. Chat	3686

Steel Line Measurement:

210=210  
750=750  
1000=1000  
2000=2000  
2865=2865  
3650=3647  
3693=3693  
3728=3728  
3758=3760

R.T.D. 3728  
2830 N.S.O.  
2866 N.S.O.  
3686-3716 N.S.O.  
3716-22 S.S.O.  
3722-28 F.S.O.  
3728-32 F.S.O.  
3732-36 N.S.O.  
3736-38 F.S.O.  
3738-58 V.S.S.O.  
3758=3760 SLM  
Best Pay 3722-38  
First Free Oil in cuttings  
3716-22'  
Az. w/2000 gals. used 82 bbls.  
load oil.

All measurements taken from  
R.T.B.

R.T.B. is 4.5' above ground.