

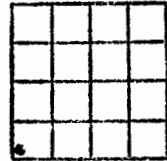
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- CITIES SERVICE OIL CO.
Farm- Umbehr No. 1

SEC. 30 T. 11 R. 9E
SW SW SW

Total Depth. 2374'
Comm. 11-4-59 Comp. 11-14-59
Shot or Treated.
Contractor. White & Ellis Drilg. Co.
Issued. 7-30-60

County Riley KANSAS



Elevation. 1340' RB(5' above G.L.

Production. 55 BO- 5 BWPD N.P.O.

CASING:

10 3/4" 226' w/200 sx cem.
7" 2321' w/150 sx cem.

Figures indicate Bottom of Formations.

ALL MEAS. FR T.B.

lime	20	Oread Ls	850
shale	25	(Heebner Sh. 1011-19')	
lime	50	Base Oread Ls	1023 N.S.O.
colored shales	60		
lime	90	Douglas Sh.	1023
shale	95	Base	1171 N.S.O.
lime	110		
shale	115	Lansing Ls.	1171
colored shales	120	Base	1255 N.S.O.
lime	135		
shale, sdy	155	Kansas City Ls	1280
lime	170	Base	1512 N.S.O.
shale	175		
lime, H.F.F.W.	180	Pawnee Ls	1531
shale	200	Base	1546 N.S.O.
lime	205		
shale	215	Fort Scott Ls	1554
lime	226	Base	1598 N.S.O.
shale, shells	313		
shale, hd. ls. stks	515	Penn. Conglomerate	1620
shale, ls. stks	1010	Base	1650 N.S.O.
shale, sdy	1171		
lime	1195	Hunton Ls.	1650
lime, blk sh. stks	1225	Base	2032 G.S.F.O.
lime, hd. stks	1255		
lime, shale stks	1278		
lime	1293	DST #1 - 1641-66'	
shale	1296	DST #2 - 1665-85'	
lime	1518	DST #3 - 1685-1700'	
lime, shale stks	1555	DST #4 - 1700-20'	
lime	1569	DST #5 - 1720-40'	
shale, shells	1579		
shale, lime stks	1620	CORE #1 - 1623-46'	
sand, hs stks	1623	" #2 - 1646-66'	
lime	2042	" #3 - 1666-85'	
shale	2114	" #4 - 1685-96'	
lime	2243	" #5 - 1696-1700'	
sand	2321		
lime	2363	Ran Schlumberger Log.	
granite	2374		
Total Depth			

Steel Line Meas.

102' = 502'
1055' = 1005'
1508' = 1503'

S.H.S.

502' 00
1005' - 00
1508' 0 O.K.

TOPS:

Topeka Ls 711
Base 745 N.S.O.

Deer Creek Ls 788
Base 827 N.S.O.

Lecompton Ls 850
Base 894 N.S.O.