

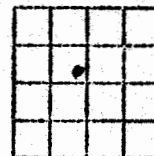
WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company - CITIES SERVICE OIL.
Farm - Lathrop No. 31

SEC. 17 T. 23 R. 18
SE SE NW
315' N, 325' W of Cen.

Total Depth. 2480 PB 2460
Comm. 4-16-50 Comp. 5-6-50
Shot or Treated. Shot
Contractor. B.R. Brilling Inc.; C.L. Roberts
Issued. 10-14-50

County. Butler
KANSAS



CASING:

10 3/4" 83' cem w/ 165 sx.
7" 2470' cem w/150 sx.

Elevation. 1366 DF

Production. 131 bbls oil, 0 wtr,
23 hrs.

Figures Indicate Bottom of Formations.

soil	15	2316-22	Hunton G.S.O.
sand	18	2322-57	F.S.O.
lime	345	2357-71	F.S.O.
lime, shale, shells	694	Best Hunton Pay 2316-23	
lime, shale	1030	2371	Maquoketa N.S.O.
lime	2012	2392-2415	Viola G.S.O.
lime, shale	2312	2415-17	F.S.O.
cherty lime	2316	2417-32	Simpson F.S.O.
lime	2366	2432-35	F.S.O.
lime, shale	2392	2435-65	N.S.O.
lime	2420	2465-74	S.O.
sand	2460	2474-76	Arbuckle S.O.
shale	2468	2476-80	N.S.O.
sand, shale	2474		
lime	2480		
Total Depth			Ran Gamma Ray & Neutron Log at 2480' (T.D.)
Plugged back to	2460		

Fill Up: 660' Water, sli.
salty in 6 hrs. at 2480

Tops:		
Lansing Ls.	1735	
Base Lansing Ls.	1841	P.B. to 2460' w/cem. Ran
Kansas City Ls.	1934	2 sax. cem. on top of plug
Base - K.C. Ls.	2087	Gun Perf. 42 shots 2392-2403
Hunton Ls.	2316	1395' oil & 0 wtr. in 1 hr.
Base Hunton Ls.	2371	2429' oil & 0 wtr. in 2 hrs.
Maquoketa Shale	2371	
Base Maq. Shale	2392	First Free Oil 2392'. Best
Viola Ls.	2392	Viola Pay 2392-2415
Base Viola Ls.	2417	Was not shot or az. upon
Simpson Sand	2417	completion.
Base Simpson Sand	2474	
Arbuckle Dolomite	2474	I.P. N.P.O. (Viola natural) (pumping unit)

Straight Hole Survey:

1050' O.K.
1500' O.K.
2208' O.K.
2250' O.K.

Core Diamond head barrel
2318-57' 2385-2460'

Steel Line Measure:

~~1068-1069~~
1535=1535
1896=1898
2209=2208
2295=2297
2384=2385
2460=2460
2474=2474
2480=2480

All measurements taken
from R.T.B.

Remarks:

1735 Lansing N.S.O.
1934 K.C. Ls. N.S.O.
2026-46 S.O.
2062-69 S.S.O.