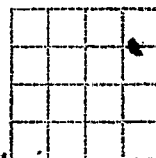


WELL LOG BUREAU KANSAS GEOLOGICAL SOCIETY
412 Union National Bldg. Wichita, Kansas

Company CITIES SERVICE OIL COMPANY
Farm Wilson No. 223

SEC. 8 T. 25 R. 5E
CW/2 E/2 NE
1320' S 990' W of NE
Cor. of the NE/4.
County. Butler
KANSAS

Total Depth. 2451'
Comm 2-26-48 Comp. 3-12-48
Shot or Treated. None
Contractor B. & R. Drlg. Inc.
Issued 4-3-48



CASING:
8-5/8" 85' Cem. W/60 Sx.
5-1/2" 2419' Cem. W/160 Sx.

Elevation. 1379 Ind.

Production. 82 BO O wtr 24 hrs

Figures Indicate Bottom of Formations. N.P.O. Natural.

lime & shale	400
lime, shale, sand	480
shale & shells	793
lime	868
lime & shale	1492
sand	1539
lime & shale	1697
lime	1832
lime & shale	1971
K. C. lime	2151
shale	2419
Viola	2422
lime	2427
shale green	2428
lime brwn & cavings	2432
lime	2449
lime brown	2451
Total Depth	

TOPS:

Burlingame lime 793
828-839 V.S.S.O.
Base Burlingame lime 868
Douglas Sand 1492
V.S.S.O. under ultra-violet
ray light throughout 47'
Base Douglas Sand 1539
Lansing Lime 1697
1733-65 med. sli. good
por. & sat.
1791-1802 low-med. por.
and Sat.
Base Lansing Lime 1832
Kansas City Lime 1971
1976-86 low-med. por. & sat.
1998-2019 med. sli. good por & sat.
2020-34 med. good por. & sat.
2035-53 med. por. & sat.
2063-75 low opr. & sat.
2116-25 Low por. & sat.
Base Kansas City Lime 2151
Top Viola Lime 2419
2422-25 S.F.O. (1 gal.)
2425-48 Best Pay

2419

F.U. 1560' oil, 0 wtr 38 hrs @ 2451'

Was not shot or acidized.

Steel Line Measure:

350 = 350
619 = 619
843 = 846
1017 = 1017
1500 = 1500
1690 = 1690
2405 = 2405