

15
Citiea Service Oil Co. Risley #7
990' N. & 990' W. of Center (NW SE NW)
Sec. 16-29S-4E, Butler County, Kansas
Elev: 1207' R.T.B. (5' above G.L.)
Note: All measurements from R.T.B.

015

Drlg. Comm: 5-27-58
Drlg. Comp: 6-2-58
Drld. By: White & Ellis Drilling Co.
Drill In: White & Ellis Drilling Co.

10' samples were saved from 1000' to 2500'.
5' samples were saved from 2500' to T.D.

1' drilling time log from 1000' to T.D.

10 3/4" surface casing cem. @ 208' w/200 sax. (5-27-58)

Circ. for samples:

1855' 60 min.
1860' 45 min.
1865' 45 min.
1870' 45 min.
2150' 45 min.

Circ. for samples: (cont'd.)

2800' 57 min.
2815' 56 min.
2825' 55 min.
2828' 54 min.
2830' 60 min.

Steel Line Measurement:

534' = 534'
1504' = 1504'
2068' = 2068'
2504' = 2504'
2722' = 2722'

Straight Hole Survey:

534' O.K.
1504' O.K.
2068' O.K.
2504' O.K.
2722' O.K.

Cuttings description corrected to drilling time log.

1000-1028 Sh., gy., sdy.
1081 Ls., gy.-tan, med. xn., med. por., N.S.O.
1161 Sdy. sh., gy., mica.
1233 Ls., gy.-tan, dense-fn. xn., fair por., N.S.O.
1258 Sh., gy.
1315 Ls., gy.-tan, med. xn., med. por., N.S.O.
1335 Sh., gy., sdy.
1341 Ls., gy.-tan, med. xn., med. por., N.S.O.
1354 Sh., gy. & blk.
1375 Ls., gy., dense-fn. xn., low por., N.S.O.
1397 Sh., gy. & blk.
1437 Ls., gy.-tan, med. xn., med. por., N.S.O.
1485 Sh., gy., some brownish red.
1532 Ls., lt. gy.-tan, dense-fn. xn., low por., N.S.O.
1552 Sh., blk., some brn.
1568 Ls., lt. gy.-tan, dense-fn. xn., fair por., N.S.O.
1740 Sd., clear, fn. gr., med. cem., good por., silty, mica., N.S.O.
1822 Sh., gy., sl. sdy., mica.
1825 Ls., gy., dense-fn. xn., low por., N.S.O.
1855 Ls., gy.-tan, med. xn., med.-good por. w/scat. vugs, fair fluor., sl. odor, S.S. dead oil.
1881 Ls., wh.-gy., dense-fn. xn., fair por., N.S.O.
1910 Sh., gy., mica.
1985 Ls., wh.-lt. gy., dense-med. xn., low-med. por., some cherty, N.S.O.
2138 Sh., gy., silty, mica.
2160 Ls., wh.-lt. gy., dense-fn. xn., fair por., some soft & leached, N.S.O.

Interpretation of Lansing Ls.

Top Lansing Ls. 1822' (-615)
 T. 163' Oil & Gas near top.
 Base 1985' (-778)

D.S.T. #1 1825-1855' (30' anchor) Open 1 1/2 hrs. Closed 1 hr.
 Tool opened w/a vy. strong blow, which continued until tool was closed.
 Flowing gas to surface in 23 min.
 Rec. 115' vy. heavy oil & gas cut mud, no wtr.
 I.F. 35#; F.F. 65#; B.H.P. 421#; H.H. 915#.

Interpretation of Kansas City Ls.

Top Kansas City Ls. 2138' (-931)
 T. 216' No oil noted.
 Base 2354' (-1147)

Interpretation of Altamont Ls.

Top Altamont Ls. 2382' (-1175)
 T. 8' No oil noted.
 Base 2390' (-1183)

Interpretation of Pawnee Ls.

Top Pawnee Ls. 2438' (-1231)
 T. 14' No oil noted.
 Base 2452' (-1245)

Interpretation of Fort Scott Ls.

Top Fort Scott Ls. 2484' (-1277)
 T. 56' No oil noted.
 Base 2540' (-1333)

Interpretation of Mississippian.

Top Miss. Chert 2654' (-1447)
 T. 11' No oil noted.
 Top Miss. Ls. 2665' (-1458)
 T. 47' No oil noted.
 Base 2712' (-1505)

Interpretation of Kinderhook Sh.

Top Kinderhook Sh. 2712' (-1505)
 T. 98' No oil noted.
 Base 2810' (-1603)

Interpretation of Chattanooga Sh.

Top Chattanooga Sh. 2810' (-1603)
 T. 13' No oil noted.
 Base 2823' (-1616)

Interpretation of Misener Sd.

Top Misener Sd. 2823' (-1616)
 T. 3' Tight sd., S.S.O.
 Base 2826' (-1619)

Interpretation of Arbuckle Ls.

Top Arbuckle Ls. 2826' (-1619)
 Pen. 4' Oil
 R.T.D. 2830'

2823
 2712

 111

2712
 2694

 58

- 2826-2828 Chert, wh.-blue gy., opaque, translucent, oolitic, stained, good fluor., F.S.F.O.
 2828-2830 Dol., gy.-tan, fn.-med. xn., med.-good inter-xn. por., stained w/free oil, good fluor, good odor, G.S.F.O.

D.S.T. #2 2826-2830' (4' anchor) Open 33 min. Closed 1 hr.
 Tool opened w/a strong blow, which continued throughout test.
 Gas to surface in 24 min.
 Flowing oil to surface in 26 min.
 Rec. 2830' clean oil, no wtr.
 I.F. 155#; F.F. 1025#; B.H.P. 1088#; H.H. 1455#.

- 6-2-58 Ran Schlumberger Induction-Electrical and Microlog.
 This well was not shot.
 2 Set 7" casing at 2827' w/250 sax. cem.
 3 Ran Temperature Survey - top of cement 1550'.

Drill In:

- 6-9-58 M.I.D.I.U.
 10 Drilled float collar to 2793' - oil started coming in.
 Loaded hole w/water.
 11 C.O. to T.D. 2830' - running tubing.
 12 Swabbing water through tubing.
 13 Swabbed water through tubing.
 Pumped oil into annulus.
 Circ. water out through tubing.
 14 Flowed 23 bbls. oil - 0 wtr. - 13 hrs. on 10/64" choke.
 15 " 49 " " - 0 " - 24 " on 1/4" " "
 17 " 44 " " - 0 " - 24 " on 1/4" " "
 Well head pressure 17#.
 18 Flowed 44 bbls. oil - 0 wtr. - 24 hrs. on 1/4" choke.
 Well head pressure 17# - S.I. pressure 45#.
Well complete.

Warren L. Morris
 Geologist

9-17-58
 nm

*7/4/60
 1/14/70
 at*