

DAVIS-CHILD:

TEICHMANN NO. 4

SE SW NW SE Sec. 12, T 22S, R 13W, Stafford County, Kansas

Elevation: 1887' D.F. (Derrick floor was 3' above ground)

All depths stated below are as of derrick floor.

Total Depth with rotary 3678' D.F. May 23, 1949

Total Depth with cable tools 3682' D.F. June 2, 1949

Casing: 8-5/8" - 319' cemented with 200 sacks

5-1/2" - 3677½' cemented with 100 sacks

Lansing-Kansas City 3338 (-1451)

3338-3345 Slightly porous cherty lime with spotted traces of oil stain. Do not recommend testing.

3358-3361 Slightly porous fine crystalline lime with spotted traces of oil stain. Do not recommend testing.

3420-3422 Slightly porous oolitic lime with spotted traces of oil stain. Do not recommend testing.

3458-3462 Partly porous oolitic lime - no oil observed. Do not recommend testing.

3496-3499 Slightly porous oolitic lime and fine granular lime with slight spotted trace of oil stain. Probably does not warrant testing.

3515-3519 Slightly porous oolitic and fine granular lime with spotted traces of oil stain (zone quite soft). This zone probably warrants testing.

Conglomerate (cherty) 3573 (-1686)

Viola (chert) 3580 (-1693)

Simpson 3615 (-1728)

3675-3678 Fine crystalline and fine granular dolomite with spotted stains and saturation with "live", brown oil.

Total Depth with rotary 3678' (-1791) May 23, 1949

5½" casing was set at 3675½ D.F. and cemented with 100 sacks by Halliburton May 24, 1949.

(The casing point is ½ foot below the top of the Simpson dolomite leaving 3½ feet of that oil zone exposed in the open hole).

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Depths 3678-3682 Drilled with cable tools
3678-3679 Fine crystalline granular dolomite with small
show of oil. At base of dolomite were possibly
2 or 3 inches of pale-green shale.

Arbuckle 3679 (-1792)

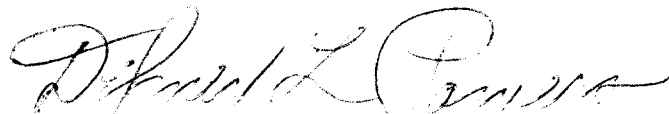
3679-3680 Fine-medium crystalline, cherty, oolitic dolomite
with considerable fair to good porosity with some good
oil saturation and some "free, live" oil.

3680-3682 Fine crystalline fine granular and little "tight"
dolomite. Most of cuttings had fine, low porosity
with much oil stain and saturation (estimated to com-
prise 75% of sample), a little shale and shaly dolomite
was also present.

Total Depth with cable tools 3682 (-1795) June 2, 1949

Of the six zones described in the Lansing-Kansas City limestone,
four appeared to have no commercial possibilities. The fifth zone
is of very questionable character and it is concluded that the sixth
zone probably warrants testing.

The possibilities of the basal Simpson oil zone have very pro-
bably already been determined and produced as only the uppermost 1/2
foot is behind the 5½" casing shoe.



Delmer L. Powers
June 18, 1963