

PAUL D. KOONTZ

GEOLOGIST

P. O. BOX 334

EL DORADO, KANSAS

Dec. 30, 1967

JACKSON BROTHERS
511 1/2 North Main
Eureka, Kansas

Re: Jackson Heirs # 20,
SW-SE-SW, Sec. 23-25S-8E
Greenwood County, Kansas

Dear Sirs:

This report on the subject well is based on microscopic examination of rotary cuttings from 1200' to the rotary total depth of 2620'. All measurements were taken from the rotary drive bushing, which was 2' above derrick floor and 6' above ground level.

The following tops were picked:

Elevation RB	(+1444)
Platsmouth Limestone	1138 (+ 306)
Heebner Shale	1177 (+ 267)
Toronto Limestone	1197 (+ 247)
Douglas Shale	1213 (+ 231)
Douglas Sand	1264 (+ 180)
Brown Lime	1399 (+ 45)
Stalnaker Sand	1404 (+ 40)
Lansing Limestone	1538 (- 94)
Bonner Springs Shale	1673 (- 229)
Kansas City Limestone	1838 (- 394)
Base Kansas City	2011 (- 567)
Pawnee Limestone	2143 (- 699)
Fort Scott Limestone	2218 (- 774)
Cherokee Shale	2280 (- 836)
Bartlesville Sand	2478 (-1034)
Base Bartlesville	2483 (-1039)
Erosional Mississippi	2585 (-1141)
Mississippi Limestone	2600 (-1156)
Mississippi Dolomite	2614 (-1170)
R.T.D. & Total Depth	2620 (-1176)

Major zones of porosity are as follows:

DOUGLAS SAND

1264-1305. White to clear, angular, micaceous fine quartz sand, with good to excellent granular porosity and no odor, staining or free oil.

1334-75. Grey, fine, angular, micaceous shaly quartz sand. Fair porosity and no odor, staining or free oil.

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STALNAKER SAND

1404-1538. Grey, medium to fine, angular micaceous quartz sand. Very good granular porosity and no odor, staining or free oil.

LANSING LIMESTONE

1550-70. Buff, finely crystalline to chalky limestone with slight crystalline porosity and no odor, staining or free oil.

1604-20. Buff, very chalky limestone with fair crystalline porosity and no odor, staining or free oil.

KANSAS CITY LIMESTONE

1850-53. Grey to buff, oolitic and oolitic limestone with good oolitic porosity and traces of free oil. Slight staining and possible slight odor, does not appear to merit testing.

1904-32. Buff, chalky limestone with good to fair crystalline porosity and no odor, staining or free oil.

2006-08. Buff, finely crystalline limestone with slight spotted crystalline porosity and spotted staining. No apparent odor or free oil. Does not merit testing.

BARTLESVILLE SAND

2478-83. Diamond Core, 2481-92. Grey, angular calcareous, cemented quartz sand with no porosity to 2480'. Fair granular porosity from 2480-83'. Good odor, and much bleeding of gassy oil. Rich fluorescence. Appears to be too thin for commercial production.

MISSISSIPPI DOLOMITE

2614-20. Buff to cream, finely crystalline sucrose dolomite, with good crystalline porosity and no odor, staining or free oil.

Ran Schlumberger Dual Induction, Density Log, and Dip Meter, with detail from 750' to total depth. Calculated all porous zones. None appear to carry commercial oil shows.

Due to absence of commercial oil shows, this test is declared dry and abandoned.

Thank You



PAUL D. KOONTZ
Geologist