



FORMATION TOPS

LOG TOPS

Kansas City	825 (+ 268)	Drill time
Base Kansas City	952 (+ 141)	Drill time
Cherokee	1248 (- 155)	
Squirrel Sand	1281 (- 188)	
Ardmore	1334 (- 241)	
Mississippian	1603 (- 510)	
RTD	1663 (- 570)	

SQUIRREL SAND                      1281 (- 188)

1281 - 1299        :        Sandstone, light gray-medium gray upper to dark gray lower; minor shaly laminations throughout, slightly tight upper to good porosity/permeability lower; well-sorted throughout with friable clusters, lower section contained increasing mica/shaly content, fair to good show free oil throughout, oil is dark/heavy, dull greenish yellow fluorescence, estimated API gravity @ 26-27°. Zone warrants testing through perforations.

MISSISSIPPIAN                      1603 (- 510)

1603 - 1605        :        Limestone, white, fine crystalline, slight moldic porosity, tight, no show free oil.

1605 - 1608        :        Limestone/dolomitic limestone, tan, fine granular, fair pinpoint to slightly vuggy porosity, scattered stain and show free oil, fair odor, bright yellow fluorescence. Merits testing through perforations.

- 1608 - 1613 : Dolomitic limestone, as above, but generally sucrosic, fair to poor porosity, tight, no show free oil.
- 1613 - 1615 : Dolomitic limestone, tan, fine granular, fair porosity, slightly vuggy, fair odor/fluorescence. Probably merits further testing (log scrutiny).
- 1615 - 1617 : Limestone, gray-tan/buff, earthy/silty, slightly dolomitic, poor porosity, no oil saturation.
- 1617 - 1620 : Dolomite/cherty dolomite, tan, with secondary quartz filling apparent vugs, fair to good porosity, good oil saturation with fair to good odor/fluorescence. Merits further testing.

Core #1 1620 - 1633: Cut 13 feet, Recovered 12.8 feet

1620 - 1622.1: Limestone/dolomitic limestone, tan/buff, fine-medium crystalline, large cavity filled with secondary calcite/dolomite rhombs @ 20.9 - 21.1, cavity oil saturated, spotted bleeding core 21.9 - 22.1, with fair-poor porosity, permeability questionable.

1622.1 - 24.6: Limestone, dolomitic limestone, gray, fine-medium granular/fine crystalline, fair-poor porosity, stylolitic, no shows.

1624.6 - 24.9: Limestone/dolomitic limestone, gray-tan, fine-medium crystalline, fair porosity/ slightly vuggy, show bleeding oil, odor.

1624.9 - 27.0: Limestone/dolomitic limestone, ranges from fine-coarse crystalline, slightly glauconitic, poor porosity, stylolitic, no show.

1627.0 - 29.5: Limestone, slightly dolomitic, gray-tan, fine granular-muddy-lithographic, tight, increasing glauconite content with yellow sulfide crystal mineralization, glauconite filling limited vertical fractures, stylolitic, no shows.

1629.5-29.75 : Chert, gray, fossiliferous breccia, no show.

1629.75-32.8 : Limestone/dolomitic limestone, gray-buff, stylolitic, tight, no shows.

END CORE #1

1631.8 - 1663 : Dolomite/dolomitic limestone, texture variable from sucrosic to coarse crystalline, tan to gray, variable amounts glauconite, good porosity 1656 - 1660, no shows.

DISCUSSION/RECOMMENDATIONS:

Based upon good shows of oil in Squirrel Sand and Mississippian dolomites, pipe was set at 1662, one foot off bottom, to test these zones through perforations.

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