



Kansas City - continued...

Zone 2 3334-56' (22') Limestone, tan-gray-cream, very finely crystalline to dense, fair to good vugular porosity, spotty dull yellow fluorescence, NO CUT.

Log: Porosity = 17%; Salt water = 70%

Analysis: Water Productive

Zone 3 3465-71' (6') Limestone, buff to light gray, finely crystalline, trace of vugular & pinpoint porosity, poor scattered dull yellow fluorescence with no cut.

Log: Porosity = 16%; Salt water = 37%

Analysis: Thin zone with low permeability - possible hydrocarbons.

Zone 4 3507-18' (11') Limestone, tan to light gray, finely crystalline, fair to good oolitic porosity, trace vugular, No show.

Log: Porosity = 20%; Salt water 33%

Analysis: Water bearing

Marmaton:

3622-3761' Composed of tight and shaly limestones and thin black shales.  
No shows were encountered.

Cherokee:

3761-3957' Same as Marmaton

Mississippian:

Top @ 3957' The first drilling break in the Mississippian was from 3987-4012'. Fresh chert and limestone was observed in the samples. The limestone was light tan, very finely crystalline, slightly cherty in part, trace pin-point porosity, scattered dull yellow fluorescence, with a very poor cut.

Log: All porous Mississippian calculated between 65-85% water saturation.

Analysis: Low permeability and/or water bearing.

Simpson Sand: Top @ 4433'

- 4433-36' (3') Sandy Dolomite & Dolomite sand - white to gray, fine to medium grained, well rounded, slightly pyritic, trace dead oil stain, scattered dull yellow fluorescence, No Cut.
- 4436-42' (6') Sandstone - white, fine to medium grained clean, friable, no stain, dull yellow fluorescence. No Cut.

Analysis: Water bearing

CONCLUSIONS AND RECOMMENDATION:

The only oil shows observed in the samples were poor and were encountered in rocks of questionable reservoir quality.

Electric logs did not disclose any zones worthy of testing.

In view of the above conclusions, recommendation was made to plug and abandon the #1 Strait at a total depth of 4442'.

Respectfully submitted,

  
John C. Roberts, Geologist