

CHEMICAL RESEARCH AND DEVELOPMENT DEPARTMENT

HALLIBURTON SERVICES
DUNCAN, OKLAHOMALABORATORY REPORTNo. F11-T201-79To Mr. R. P. Thompson
Halliburton Services
Wichita, KansasDate December 28, 1979

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We give below results of our examination of submitted core samples.Submitted by Imperial Oil CompanyMarked Well: Giles No. 1-35
Location: Edwards County, Kansas
Formation: Kinderhook
Depth: 4,549-4,575 feetPurpose

These formation cores were submitted for the following tests: X-ray diffraction, acid solubility, rock properties, scanning electron microscope (SEM), petrographic, regained gas permeability, immersion, and fracture flow capacity.

Conclusions

The requested tests were completed and the results are presented in the Data Section of this report.

The submitted samples were low permeability, fine grain sandstones with small to moderate amounts of kaolinite clay. The regained permeability and immersion tests indicate an aqueous fluid could be used in a stimulation treatment with little to no reduction in permeability or release of fines. Fracturing treatment designs should be based upon experience in the area.

Core samples were submitted to Chemical Services Section for their evaluation of potential acidizing fluids based upon acid solubility and x-ray diffraction data from this report.

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