

07-165-22W

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ORIGINAL

HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

15-135-24416-00-00

RUBY #4

1540' FSL, 2230' FEL of

SECTION 7 - 16S - 22W

NESS COUNTY, KANSAS

Commenced:	12-9-05	Elevations:	2443' GR. 2448' KB
Completed:	12-15-05	Surface Pipe:	8-5/8" @ 207' KB
Contractor:	Mallard J.V.	Production Pipe:	none

One foot drilling time was kept from 1780' to 1860' KB and from 3700' to RTD. Ten foot drilling samples (wet & dry) were kept from 4100' to rotary total depth.

Following are sample tops, descriptions of zones of interest (including all shows of oil & gas), and the results of all drill stem tests.

<u>ANHYDRITE</u>	<u>1795</u>	<u>(+653)</u>
<u>BASE ANHYDRITE</u>	<u>1834</u>	<u>(+614)</u>

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Ruby #4

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CHEROKEE SHALE (cont.)

Conglomerate 4407-18' KB Clear, medium grained, fairly rounded, fairly sorted, sandstone clusters. V.C. sharp & weathered cherts. Pieces white to tan very fine to finely crystalline, slightly dolomitic, limestone.

Slight shows of free oil in good intergranular porosity, and fair "on edge" porosity in cherts & limestones. No odor, weak stain, and a fair cut.

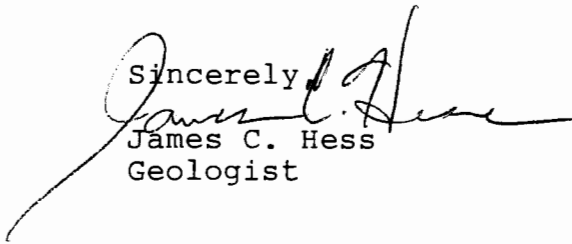
MISSISSIPPI 4428 (-1980)

Note: Log top of Miss. 4443 (-1995) - only sample top off very far from log tops.

ROTARY TOTAL DEPTH 4500 (-2052)

A set of Dual Induction, Compensated Porosity, and micro-resistivity logs were run to confirm sample tops. Also to help with 3-D Seismic evaluation. Due to the water recovery on DST #1, it was decided to plug the Ruby #4.

Sincerely,


James C. Hess
Geologist