

HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

EUNICE #1

450' FSL, 2310' FEL of

SECTION 32 - 15S - 22W

TREGO COUNTY, KANSAS

Commenced:	11-22-02	Elevations:	2382' GR, 2387' KB
Completed:	11-29-02	Surface Pipe:	8-5/8" @ 212' KB
Contractor:	Mallard J.V.	Production Pipe:	none

One foot drilling time was kept from 1720' to 1780' KB and from 3600' to rotary total depth. Ten foot drilling samples (wet & dry) were kept from 3800' to RTD.

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>1728</u>	<u>(+659)</u>
<u>BASE ANHYDRITE</u>	<u>1766</u>	<u>(+621)</u>

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Sample Tops: (cont.)

<u>HEEBNER</u>	<u>3743</u>	<u>(-1356)</u>
<u>TORONTO</u>	<u>3761</u>	<u>(-1374)</u>
<u>LANSING</u>	<u>3778</u>	<u>(-1391)</u>
<u>STARK SHALE</u>	<u>3996</u>	<u>(-1609)</u>
<u>BASE KANSAS CITY</u>	<u>4051</u>	<u>(-1664)</u>
<u>MARMATON</u>	<u>4075</u>	<u>(-1688)</u>
<u>PAWNEE</u>	<u>4146</u>	<u>(-1759)</u>
<u>FORT SCOTT</u>	<u>4232</u>	<u>(-1845)</u>
<u>CHROKEE SHALE</u>	<u>4256</u>	<u>(-1869)</u>

4348-55' KB

Clear to cream, fine grained, well rounded, fairly sorted, sandstone clusters. Slight show of free oil in good intergranular porosity, fair amount of tar stain, no odor, and a slight cut.

DRILL STEM TEST #1

4255' to 4355' KB

100' Anchor

Blow: bottom of bucket in 2 min. -- it was decided NOT to take a second opening due to sand sticking.

Times: Open 20, Closed 20. (then pulled test)

Recovered: 1380' Mud cut SW.

Pressures: IH 2236# IF 315 - 599# ISIP 1233#
FH 2136# FF none FSIP none

4355-64' KB

Clear to tan, fine to medium grained, well rounded fairly sorted, sandstone clusters. Very slight show of free oil in good porosity, no odor, some tar stain, and no cut.

Note: I believe the sand changed to Conglomerate @ 4358' KB, but it was hard to tell.

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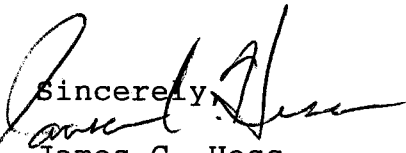
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<u>MISSISSIPPI</u>	<u>4384</u>	<u>(-1997)</u>
<u>ROTARY TOTAL DEPTH</u>	<u>4400</u>	<u>(-2013)</u>

It was decided to run a full set of logs for future development of the area. The sonic logs was most needed to tie into the 3-D Seismic. We are still finding the sand channel -- 4 th well in a row, but this well was a little low on the Cherokee Shale formation. Then a shale developed on top of our sand, which lowered our sand top another 20'. So, water! The Eunice #1 was plugged on 11-29-02.

Sincerely,

James C. Hess
Geologist