

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

JENNIFER #1

652' FSL, -803' FWL of

SECTION 15 - 18S - 19W

RUSH COUNTY, KANSAS

Commenced: 1-29-11

Elevations: 2030' GR, 2035' KB

Completed: 2-8-11

Surface Pipe: 8-5/8" @ 1218' KB

Contractor: Mallard J.V.

Production Pipe: none

One foot drilling time was kept from 1200' to 1260' KB and from 3300' to RTD. Ten foot drilling samples (wet & dry) were kept from 3400' 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>1209</u>	<u>(+826)</u>
<u>BASE ANHYDRITE</u>	<u>1245</u>	<u>(+790)</u>
<u>HEEBNER</u>	<u>3425</u>	<u>(-1390)</u>
<u>LANSING</u>	<u>3470</u>	<u>(-1435)</u>

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Jennifer #1

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BASE KANSAS CITY 3745 (-1710)

PAWNEE 3038 (-1795)

FORT SCOTT 3862 (-1827)

3879-81' KB Clear, loose sand grains, medium to large, poorly sorted, poorly rounded. Very slight show of free oil stuck to 3 or 4 grains, no odor, very slight cut, and very slight stain.

DRILL STEM TEST #1 3855' to 3885' KB 30' Anchor

Blow: weak steady $\frac{1}{2}$ ". 2nd -- no blow

Times: Open 60, Closed 45, Open 30, Closed 45.

Recovered: 50' Mud with few oil specks.

Pressures: IH 1928# IF 22 - 32# ISIP 916#
FH 1901# FF 35 - 38# FSIP 861#

3885-89' KB Clear, large, poorly sorted, poorly rounded, loose sand grains. Fair show of free oil, no odor, weak cut, fair stain, and few loose oil drops.

DRILL STEM TEST #2 3850' to 3895' KB 45' Anchor

Blow: very slow build to 6". 2nd -- 3".

Times: Open 45, Closed 45, Open 45, Closed 45.

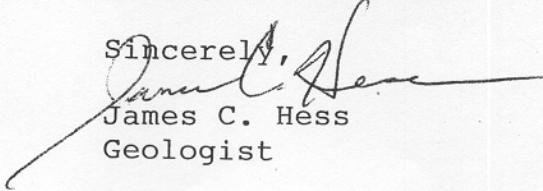
Recovered: 200' SW cut Mud with oil spots. (30% SW, 70% M)

Pressures: IH 1988# IF 27 - 83# ISIP 644#
FH 1899# FF 87 - 115# FSIP 498#

ARBUCKLE 3903 (-1868)

ROTARY TOTAL DEPTH 3970 (-1935)

A full set of logs were run, including Dual Induction, Dual Compensated Porosity, and Sonic. All oil shows were covered by DSTs and nothing new was learned from the logs. The Jennifer #1 was plugged on 2-8-11.

Sincerely,

James C. Hess
Geologist