

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

SUE #1

1410' FSL, 330' FWL of

SECTION 5 - 16S - 22W

NESS COUNTY, KANSAS

RECEIVED

JUN 02 2003

KCC WICHITA

Commenced: 4-9-03

Elevations: 2422' GR, 2427' KB

Completed: 4-17-03

Surface Pipe: 8-5/8" @ 207' KB

Contractor: Mallard J.V.

Production Pipe: none

One foot drilling time was kept from 1740' to 1840' KB and from 3600' to TD. Ten foot samples were kept from 3900' 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.

ANHYDRITE

1771 (+656)

BASE ANHYDRITE

1812 (+615)

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ORIGINAL

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<u>HEEBNER</u>	<u>3786</u>	<u>(-1359)</u>
<u>TORONTO</u>	<u>3804</u>	<u>(-1377)</u>
<u>LANSING</u>	<u>3822</u>	<u>(-1395)</u>
<u>STARK SHALE</u>	<u>4041</u>	<u>(-1614)</u>
<u>BASE KANSAS CITY</u>	<u>4094</u>	<u>(-1667)</u>
<u>MARMATON</u>	<u>4118</u>	<u>(-1691)</u>
<u>PAWNEE</u>	<u>4193</u>	<u>(-1766)</u>
<u>FORT SCOTT</u>	<u>4278</u>	<u>(-1851)</u>
<u>CHEROKEE SHALE</u>	<u>4302</u>	<u>(-1875)</u>

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4372-80' KB

Lots of clear to green (due to lots of small glauconite crystalls) small grainned, well sorted, well rounded, sanstone clusters. -- very "tight" with NO Show!!!

Some Clear to tan, fine to medium crystalline, fairly rounded, fairly sorted, sandstone clusters. Good show of free oil in fair intergrannular porosity, good odor, light stain, and a good cut.

DRILL STEM TEST #1

4300' to 4380' KB

80' Anchor

Blow: Slow build to 3/4". 2nd openning -- weak surface blow.

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

Recovered: 15' Oil Cut Mud

Pressures: IH 2154# IF 23 - 29# ISIP 687#

FH 2084# FF 31 - 34# FSIP 779#

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CHEROKEE SHALE. (cont.)

4380-85' KB

Clear to tan, fine to medium grannular, well sorted, fairly rounded, sandstone clusters. Fair show of free oil in fair intergrannular porosity, fair odor, light stain, and a good cut. (some white sharp cherts)

DRILL STEM TEST #2

4300' to 4385' KB

85' Anchor

Blow: weak, but steady 3/4" blow. 2nd opening -- steady 1/4" blow.

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

Recovered: 5' Clean Oil
120' (20% Oil, 80% Mud)
60' (3% Oil, 97% Mud)

Pressures: IH 2156# IF 30 - 63# ISIP 1251#
FH 2110# FF 71 - 100# FSIP 1251#

4385-90' KB

Clear to tan, medium grannular, well sorted, fairly rounded, sandstone clusters. Fair show of free oil in good intergrannular porosity, weak odor, some heavy tar stain, and a fair cut.

DRILL STEM TEST #3

4296' to 4390' KB

94' Anchor

Blow: Bottom of bucket in 75 seconds.

Times: Open 15, Closed 15, Open 0, Closed 0.

Recovered: 1550' Mud Cut SW

Pressures: IH 2133# IF 287 - 520# ISIP 1240#
FH 2112# FF none FSIP none

4390-98' KB

Clear, medium grainned, well sorted, well rounded, sandstone clusters. Weak shows of free oil in good intergrannular porosity, no odor, some heavy tar stain, and a very weak cut.

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MISSISSIPPI

4405 (-1978)

4405-10' KB

Lots of white sharp chert. Some white to tan,
fine to medium crystalline, dense, dolomite.
Few green & red shales.

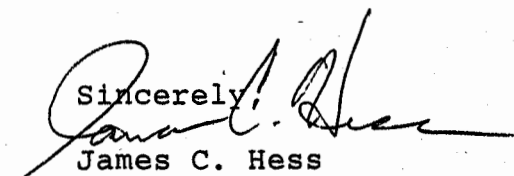
No show!

ROTARY TOTAL DEPTH

4470 (-2043)

It was decided to run a full set of logs, since this is the 5th well we have drilled within one mile. Dual Induction, Porosity, and Sonic logs were run. LTD = 4470' KB and all tops were within 4' of sample tops. It was unfortunate that the top 7' of our sand was "tight" and unproductive. Since there was nothing new on the logs, the Sue #1 was plugged on 4-17-03. Released rig @ 6:00am.

Sincerely,


James C. Hess