

3-19-2006

HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

JUDY #1

1850' FNL, 880' FEL of

SECTION 3 - 19S - 20W

RUSH COUNTY, KANSAS

Commenced: 7-1-05

Elevations: 2174' GR, 2179' KB

Note: -- Rig shut down for 2nd, 3rd, & 4th.

Completed: 7-10-05

Surface Pipe: 8-5/8" @ 204' KB

Contractor: Mallard J.V.

Production Pipe: none

One foot drilling time was kept from 1360' to 1460' KB and from 3500' to RTD. Ten foot drilling samples (wet & dry) were kept from 4000' 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

1412 (+767)

BASE ANHYDRITE

1442 (+737)

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Judy #1
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<u>HEEBNER</u>	<u>3668</u>	<u>(-1489)</u>
<u>LANSING</u>	<u>3712</u>	<u>(-1533)</u>
<u>BASE KANSAS CITY</u>	<u>4004</u>	<u>(-1825)</u>
<u>CHEROKEE SHALE</u>	<u>4154</u>	<u>(-1975)</u>
<u>CHEROKEE SAND</u>	<u>4176</u>	<u>(-1997)</u>

4176 - 81' KB

Clear to slightly grey, medium to large, sand grains. (few sandstone clusters) No show of free oil, no odor, and a slight cut. Fair intergranular porosity.

DRILL STEM TEST #1 4150' to 4182' KB 32' Anchor

Blow: $\frac{1}{2}$ " weak blow dying.

Times: Open 30, Closed 30, Open 0, Closed 0.

Recovered: 20' Mud (no show)

Pressures: IH 2061# IF 83 - 86# ISIP 432#
 FH 1976# FF --- FSIP ---

4209 - 19' KB

Clear to white, fine to large grained, well rounded, fairly sorted, sandstone clusters & loose grains. No show of free oil in fair to good intergranular porosity. No odor, no cut.

DRILL STEM TEST #2 4150' to 4220' KB 70' Anchor

Blow: Bottom of bucket in 1 min.

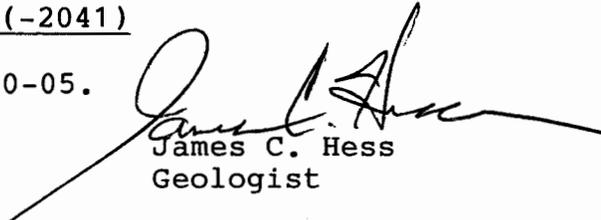
Times: Open 30, Closed 30, Open 0, Closed 0.

Recovered: 890' Mud Cut SW

Pressures: IH 2051# IF 431 - 447# ISIP 450#
 FH 1956# FF --- FSIP ---

ROTARY TOTAL DEPTH 4220 (-2041)

Well was plugged without logs on 7-10-05.


James C. Hess
Geologist