

HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

LINDA #2

1000' FSL, 390' FEL of

SECTION 32 - 15S - 22W

TREGO COUNTY, KANSAS

Commenced: 4-27-07

Elevations: 2336' GR, 2341' KB

Completed: 5-4-07

Surface Pipe: 8-5/8" @ 219' KB

Contractor: Mallard J.V.

Production Pipe: 5 1/2"

One foot drilling time was kept from 1650' to 1740' KB and from 3600' to RTD. Ten foot drilling samples were kept (wet & dry) from 4100' to rotary total depth.

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

<u>ANHYDRITE</u>	<u>1686</u>	<u>(+655)</u>
<u>BASE ANHYDRITE</u>	<u>1725</u>	<u>(+616)</u>
<u>HEEBNER</u>	<u>3699</u>	<u>(-1358)</u>

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<u>TORONTO</u>	3718	(-1377)
<u>LANSING</u>	3734	(-1393)
<u>STARK SHALE</u>	3951	(-1610)
<u>BASE KANSAS CITY</u>	4001	(-1660)
<u>MARMATON</u>	4027	(-1686)
<u>PAWNEE</u>	4096	(-1755)
<u>FORT SCOTT</u>	4178	(-1837)
<u>CHEROKEE SHALE</u>	4199	(-1858)
<u>CHEROKEE SAND</u>	4260	(-1919)

4260-70' KB

Clear to brown, medium grained, fairly sorted, poorly rounded, sandstone clusters (& loose grains) Fair show of light oil in poor "tite" intergrannular porosity, no odor, fair stain, and a good cut.

DRILL STEM TEST #1

4198' to 4270' KB

72' Anchor

Blow: Bottom of bucket in 10seconds!

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

Recovered: 164' Gas 2560' Clean Gassy Oil !!!

Pressures:	IH	2004#	IF	813 - 1025#	ISIP	1214#
	FH	1961#	FF	---	FSIP	---

Note: Recovery = 3,224 bbls/day !

4270-80' KB

Clear, medium grained, fairly sorted, poorly rounded, sandstone clusters & loose grains. Fair show of free oil in good intergrannular porosity, no odor, fair stain, and a good cut.

4280-90' KB

Clear sandstone as above, new influx of cherts. Fair show of oil as above -- some sand clusters in direct contact with the cherts. White and V.C. cherts - mostly sharp, some weathered

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CHEROKEE SAND - Conglomerate (cont.)

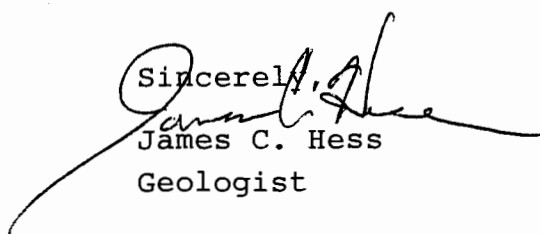
4290-4300' KB More sandstone clusters conected to edges of Cherts. Good show of free oil in Clear, medium grainned, fairly sorted, poorly rounded, sandstone clusters and loose grains. Better show down here - may be tighter sand!?!
4300-10' KB Mostly white and V.C., sharp & weathered cherts. Fair show of oil in sandstone clusters and "on edge" porosity of cherts.
4310-20' KB No show -- some heavy tar stain in porosity as above (4300-10) Very little sand.

This should be a GREAT well! 5½" 15# casing was run and cemented with 200sx EA-II cement. The D.V. Tool is at 1668-70' KB and cemented to surface with 200sx SMDC.

The well had very fast drilling from 4260' to 4340' KB. This shows up as one zone with mud cake on our logs. I also believe that only the top 15' is mostly sand and below that the cherts took over my sample tray -- this gives us about 65' of fast drilling congl. I could not find a solid (White Chert and / or Dolo.) to call as a Mississippi top.

A set of Dual Induction, Porosity, and Micro. logs were run before the casing.

ROTARY TOTAL DEPTH 4375 (-2034)

Sincerely,

James C. Hess
Geologist

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