

HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

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CONFIDENTIAL

GEOLOGICAL REPORT

LINDA #1

1610' FSL, 1390' FEL of

SECTION 32 - 15S - 22W

TREGO COUNTY, KANSAS

Commenced:	5-20-04	Elevations:	2349' GR, 2354' KB
Completed:	5-27-04	Surface Pipe:	8-5/8" @ 226' KB
Contractor:	Mallard J.V.	Production Pipe:	5½"

One foot drilling time was kept from 1680' to 1780' KB and from 3600' to total depth. Ten foot drilling samples (wet & dry) were kept from 3900' 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>1692</u>	<u>(+662)</u>
<u>BASE ANHYDRITE</u>	<u>1733</u>	<u>(+621)</u>

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Linda #1

Page 2

<u>HEEBNER</u>	<u>3706</u>	<u>(-1352)</u>
<u>TORONTO</u>	<u>3726</u>	<u>(-1372)</u>
<u>LANSING</u>	<u>3744</u>	<u>(-1390)</u>
<u>STARK SHALE</u>	<u>3965</u>	<u>(-1611)</u>
<u>BASE KANSAS CITY</u>	<u>4014</u>	<u>(-1660)</u>
<u>MARMATON</u>	<u>4041</u>	<u>(-1687)</u>
<u>PAWNEE</u>	<u>4108</u>	<u>(-1754)</u>
<u>FORT SCOTT</u>	<u>4193</u>	<u>(-1839)</u>
<u>CHEROKEE SHALE</u>	<u>4216</u>	<u>(-1862)</u>
<u>CHEROKEE SAND</u>	<u>4280</u>	<u>(-1926)</u>

4280-89' KB

Clear, fine grained, well rounded, well sorted, sandstone clusters & loose grains. Fair show of free oil in fair intergranular porosity, good odor, fair stain, and a good cut.

DRILL STEM TEST #1 4214 - 4289' KB 75' Anchor

Misrun! Packer seat failed -- tried to
reset - no help.

DRILL STEM TEST #2 4180 - 4289' KB 109' Anchor

Blow: Slow build to 4", 2nd opening was a
slow build to 1"

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

Recovered: 45' Oil (5% gas, 95% oil)
295' Oil Cut Mud (15% gas, 35% oil, 50% m)

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Linda #1
Page 3

DRILL STEM TEST #2 (cont.)

Pressures: IH 2015# IF 31 - 123# ISIP 1249#
FH 2032# FF 128 - 149# FSIP 1233#

4289-4300' KB

Clear, medium grained, well sorted, fairly rounded sandstone clusters & loose grains. Good show of free oil in fair intergranular porosity, fair odor, light stain, and a good cut.

4300-10' KB

Clear, medium grained, well sorted, fairly rounded, sandstone clusters & loose grains. Lots of white & V.C. sharp cherts. Fair show of free oil in fair porosity in the sand clusters only, fair odor, fair stain, and a good cut.

4310-20' KB

Mostly white sharp chert. Some clear, fine to medium grained, well sorted, well rounded, sandstone clusters. Weak show of free oil in sand clusters only, fair porosity, weak odor, fair stain, and a fair cut.

4320-30' KB

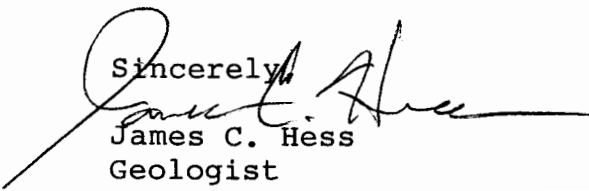
Mostly white sharp chert. Few sandstone clusters with a weak show of free oil. Some white, very finely crystalline, dense dolomite.

4330-40' KB

Last show of free oil in well -- in few sandstone clusters as above. Some heavy tar stain, no odor, weak cut. Some white weathered & sharp cherts

ROTARY TOTAL DEPTH 4370 (-2016)

A set of Dual Induction and Compensated Porosity Logs were run. Then 5½" casing was set 5' off bottom and cemented w/150sx EA-II cement. A D.V. Tool was set @ 1659' KB and cemented to surface w/200sx SMDC.

Sincerely,

James C. Hess
Geologist