

Computer Inventoried

HESS OIL COMPANY

412 East Douglas, Suite One
Wichita, Kansas 67202

COPY

15-179-21060

(316) 263-2243

22-6s-26w

GEOLOGICAL REPORT

BRANDT FARMS #1

448' FNL, 1640' FEL of

SECTION 22 - 6S - 26W

SHERIDAN COUNTY, KANSAS

Commenced:	12-26-92	Elevations:	2630' GR, 2635' KB
Completed:	1-2-93	Surface Pipe:	200' of 8-5/8"
Contractor:	Mallard J.V.	Production Pipe:	5½" to 3951' KB
Production:	Lansing Formation		

One foot drilling time was kept from 2240' to 2300' KB and from 3200' to total depth. Ten foot samples (wet & dry) were kept from 3400' KB to total depth.

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

<u>ANHYDRITE</u>	<u>2249</u>	<u>(+386)</u>
<u>BASE ANHYDRITE</u>	<u>2281</u>	<u>(+354)</u>
<u>TOPEKA</u>	<u>3552</u>	<u>(-917)</u>

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HEEBNER

3706 (-1071)

LANSING

3746 (-1111)

3746-52' KB

White, very finely crystalline, slightly oolitic, fossiliferous, limestone. Slight show of free oil in very poor intercrystalline porosity, no odor, fair staining, and a weak cut.

3770-74' KB

White, very finely crystalline, slightly oolitic, limestone. Slight show of free oil in poor intercrystalline porosity, no odor, fair stain, and a weak cut.

3784-88' KB

Grey, fine to medium crystalline, weathered, limestone. Great show of free oil in good intercrystalline porosity, no odor, good stain, and a strong cut. (some barren porosity and some heavy tar stain)

DRILL STEM TEST #1

3760' to 3790' KB

30' Anchor

Blow: Bottom of bucket during both openings.

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

Recovered: 2' Oil
45' Slightly Oil Cut Mud.
913' Salt Water

Pressures: IH 1936# IF 44-330# ISIP 779#
FH 1841# FF 374-527# FSIP 779#

3811-14' KB

Clear, medium crystalline, oolitic, slightly oolitic, limestone. Great show of free oil in great intercrystalline porosity, strong odor, lots of light staining, and great cut. (some gas bubbles)

3821-29' KB

Brown, very finely crystalline, dense, limestone. Fair show of free oil in poor to fair intercrystalline porosity, no odor, fair stain, and a fair cut.

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BASE KANSAS CITY

3942 (-1307)

DRILL STEM TEST #4

3870' to 3950' KB

80' Anchor

Blow: Weak $1\frac{1}{2}$ " down to $\frac{1}{2}$ " --- 2cd opening
dead blow. Flushed tool & pulled.

Times: Open 60, Closed 45, Open 14, Closed 0.

Recovered: 360' (10% Gas, 30% Oil, 60% Mud)

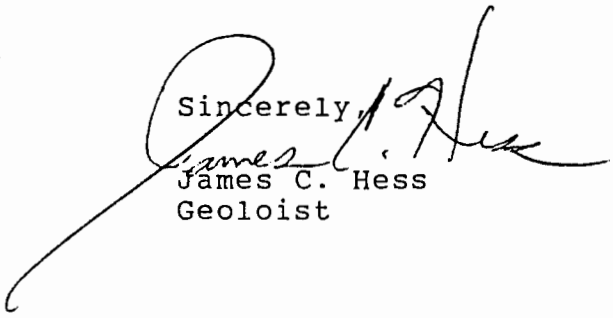
Pressures: IH 1957# IF 55-165# ISIP 1156#
FH 1894# FF 220-220#? FSIP ----

RTD

3964 (-1329)

It was decided that we should run casing to produce the 70' zone of the Lansing Formation and to try the lower zones. A Radiation Guard Log was run for correlation. $5\frac{1}{2}$ " Casing was set at 3951' KB with a 10' shoe jt. and cemented to surface.

Sincerely,


James C. Hess
Geoloist