

HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

JULIETTE #1

1865' FNL, 720' FWL of

SECTION 10 - 14S - 22W

TREGO COUNTY, KANSAS

Commenced: 10-4-06

Elevations: 2278' GR, 2283' KB

Completed: 10-10-06

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

Contractor: Mallar J.V.

Production Pipe: 5 1/2"

One foot drilling time was kept from 1680' to 1780' KB and from 3500' to RTD. 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 & gas), and the results of all drill stem tests.

ANHYDRITE 1710 (+573)

BASE ANHYDRITE 1751 (+532)

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DEC 28 2006

CONSERVATION DIVISION
WICHITA, KS

10-14-22w

10-14-22w

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Juliette #1
Page 2

<u>HEEBNER</u>	<u>3658</u>	<u>(-1375)</u>
<u>LANSING</u>	<u>3693</u>	<u>(-1410)</u>
<u>STARK SHALE</u>	<u>3825</u>	<u>(-1542)</u>
<u>BASE KANSAS CITY</u>	<u>3943</u>	<u>(-1660)</u>
<u>PAWNEE</u>	<u>4046</u>	<u>(-1763)</u>
<u>FORT SCOTT</u>	<u>4106</u>	<u>(-1823)</u>

4127-31' KB Brown, very finely crystalline, limestone. Weak show of free oil in poor intercrystalline porosity, slight odor, weak stain and a weak cut.

4143-48' KB Clear, fine to medium grained, few clusters - mostly loose grains, sand. Good show of free oil in good intergranular porosity, no odor, fair stain and a strong cut.

DRILL STEM TEST #1 4090 - 4150' KB 60' Anchor

Blow: Slow build to 6". 2nd - slower build to 6".

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

Recovered: 270' Mud Cut Oil !

Pressures: IH 2020# IF 25 - 108# ISIP 958#
FH 1836# FF 108 - 124# FSIP 882#

Note 8% drop !!

4154-60' KB Clear, medium grained, well rounded, fairly sorted, sandstone clusters & loose grains. Good show of free oil in fair intergranular porosity, no odor, fair stain, and a good cut.

DRILL STEM TEST #2 4152 - 4160' KB 8' Anchor

Blow: bottom of bucket 6 min. 2nd - bottom of bucket in 7 min. Shut-ins blew back good!

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

Recovered: 474' Clean Oil & 372' SWKANSAS CORPORATION COMMISSION

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Juliette #1
Page 3

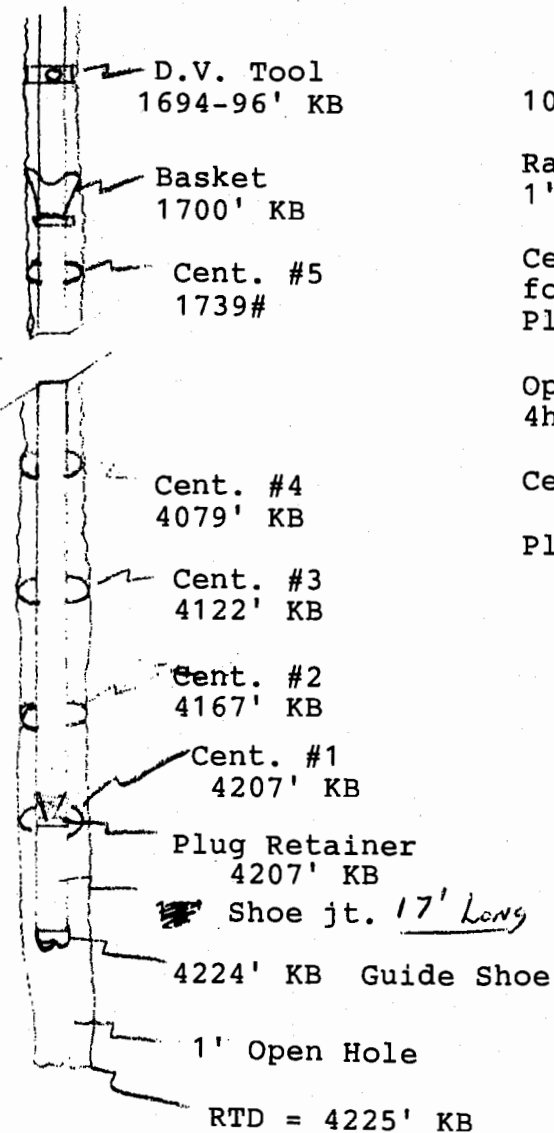
DRILL STEM TEST #2 (cont.)

Pressures: IH 2008# IF 39 - 234# ISIP 1072#
FH 1892# FF 248 - 347# FSIP 1058#

4160-64' KB Slight show of free oil in sand - as above.

ROTARY TOTAL DEPTH 4225 (-1942)

It was decided to run casing without open hole logs. A set of cased hole logs will show where to perf. in #2 DST - the zone in DST #1 will also be perf., however with an 8% pressure drop rec. will be limited.



10-10-06 Called KCC @ 9:50am

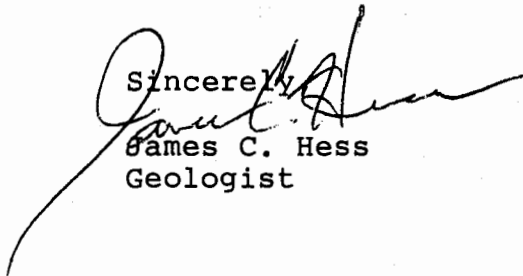
Ran 100 jts of 5 1/2" 14# new casing & set 1' off bottom w/17' shoe jt.

Cemented w/500 gals. chemical mud flush followed by 150sx EA-II cement. Plug down @ 3:15pm and holding.

Opened D.V. Tool @ 1694-96'KB and cir. 4hrs with mud & mud pump.

Cemented top stage w/ 200 sx SMDC.

Plug down 7:40pm

Sincerely,

James C. Hess
Geologist

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