

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACD-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5663

Name: Hess Oil Company

Address P. O. Box 1009

City/State/Zip McPherson, KS 67460

Purchaser: _____

Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: James C. Hess

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBSD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

7-18-96 7-26-96 7-26-96
Spud Date Date Reached TD Completion Date

API NO. 15- 101-217220000

County Lane

- SE - SE - SW Sec. 11 Twp. 16 Rge. 27 X ^E _W

330 Feet from (SW) (circle one) Line of Section

2310 Feet from (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (SW) (circle one)

Lease Name E&J Well # 1

Field Name _____

Producing Formation None

Elevation: Ground 2567' KB 2572'

Total Depth 4502' PBSD _____

Amount of Surface Pipe Set and Cemented at 213 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D&A JH 1-14-98
(Data must be collected from the Reserve Pit)

Chloride content 28,000 ppm Fluid volume 500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S/Rng. _____ E/W

County _____ Docket No. _____

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10-07-1996

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). **One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED.** Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

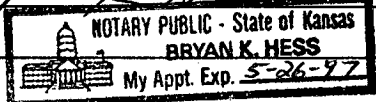
Signature Dick Hess

Title Dick Hess, President Date 10-4-96

Subscribed and sworn to before me this 4th day of October, 19 96.

Notary Public Bryan J Hess

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

ORIGINAL

SIDE TWO

Operator Name Hess Oil Company Lease Name E&J Well # 1

Sec. 11 Twp. 16 Rge. 27 East West County Lane

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken [X] Yes [] No (Attach Additional Sheets.)

Samples Sent to Geological Survey [X] Yes [] No

Cores Taken [] Yes [X] No

Electric Log Run [] Yes [X] No (Submit Copy.)

List All E.Logs Run: None

[] Log Formation (Top), Depth and Datums [X] Sample

Table with 3 columns: Name, Top, Datum. Rows include Anhydrite, Base Anhydrite, Heebner, Toronto, Lansing, Stark Shale, Base Kansas City, Marmaton, Pawnee, Fort Scott, Cherokee Shale, Cherokee Sand, Mississippi.

CASING RECORD

[] New [X] Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

Table with 3 columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run [] Yes [] No.

Date of First, Resumed Production, SWD or Inj. D&A Producing Method [] Flowing [] Pumping [] Gas Lift [] Other (Explain)

Table with 8 columns: Estimated Production Per 24 Hours, Oil N/A Bbls., Gas N/A Mcf, Water N/A Bbls., Gas-Oil Ratio, Gravity.

Disposition of Gas: METHOD OF COMPLETION [] Vented [] Sold [] Used on Lease [] Open Hole [] Perf. [] Dually Comp. [] Commingled [] Other (Specify)

ALLIED CEMENTING CO., INC.

6898

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Russell

DATE <i>7-14-76</i>	SEC <i>11</i>	TWP. <i>16</i>	RANGE <i>27</i>	CALLED OUT	ON LOCATION <i>12:30 PM</i>	JOB START	JOB FINISH <i>2:15 PM</i>
LEASE <i>EJG</i>	WELL# <i>1</i>	LOCATION <i>Penland #40E</i>			COUNTY <i>Lawrence</i>	STATE <i>Ka</i>	

OLD OR NEW (Circle one)

CONTRACTOR <i>Mallard D.V.</i>	OWNER
TYPE OF JOB <i>SURFACE</i>	CEMENT
HOLE SIZE <i>12 1/2</i>	T.D.
CASING SIZE <i>8 1/2</i>	DEPTH <i>215</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <i>15</i>	
PERFS.	

AMOUNT ORDERED
1400# 60/40 3% cc 2% cc

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	@	
MILEAGE	@	

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EQUIPMENT

PUMP TRUCK	CEMENTER <i>Bill</i>
# <i>221</i>	HELPER <i>Ron D</i>
BULK TRUCK	
#	DRIVER
BULK TRUCK	
# <i>110</i>	DRIVER <i>Bill W.</i>

TOTAL _____

REMARKS:

Common and Cementer

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
PLUG <i>wood</i>	@
	@
	@

TOTAL _____

CHARGE TO: *Hess Oil Co.*
STREET *P.O. Box 1009*
CITY *McPherson* STATE *Ks* ZIP _____

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE *[Signature]*

ALLIED CEMENTING CO., INC.

3047

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Woods

DATE <u>7-26-96</u>	SEC <u>11</u>	TWP <u>16</u>	RANGE <u>27</u>	CALLED OUT <u>10 AM</u>	ON LOCATION <u>3 PM</u>	JOB START <u>3 PM</u>	JOB FINISH <u>6 PM</u>
LEASE <u>E & J</u>	WELL# <u>1</u>	LOCATION <u>Pandora's 3rd 24 5/8"</u>	COUNTY <u>Lane</u>	STATE <u>K.S.</u>			

OLD OR NEW (Circle one)

CONTRACTOR <u>Mallard Drilling Rig</u>	OWNER _____
TYPE OF JOB <u>Rotary Pump</u>	CEMENT _____
HOLE SIZE _____ T.D. <u>4502 ft</u>	AMOUNT ORDERED _____
CASING SIZE <u>4 3/8</u> DEPTH <u>215 ft</u>	_____
TUBING SIZE _____ DEPTH _____	_____
DRILL PIPE <u>H 2</u> DEPTH <u>2026 ft</u>	_____
TOOL _____ DEPTH _____	_____
PRES. MAX _____ MINIMUM _____	COMMON _____ @ _____
MEAS. LINE _____ SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____	GEL _____ @ _____
PERFS. _____	CHLORIDE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER <u>M.H.M.</u>	HANDLING _____ @ _____
# <u>120</u> HELPER <u>Duans</u>	MILEAGE _____ @ _____
BULK TRUCK _____	TOTAL _____
# _____ DRIVER _____	_____
BULK TRUCK _____	_____
# <u>69</u> DRIVER <u>Kevin R.</u>	_____

REMARKS:

M. & 50 sh at 2026 ft
 20 sh at 1013 ft
 30 sh at 505 ft
 50 sh at 224 ft
 10 sh at 40 ft with plug at 40 ft
 15 sh in Rot Hole
 10 sh in muss Hole

SERVICE

DEPTH OF JOB <u>2026 ft</u>	_____
PUMP TRUCK CHARGE _____	_____
EXTRA FOOTAGE _____ @ _____	_____
MILEAGE _____ @ _____	_____
PLUG <u>1-8 3/4</u> at Hole Plug _____ @ _____	_____
_____ @ _____	_____
_____ @ _____	_____
TOTAL _____	_____

CHARGE TO: Hess oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

Thank you
Allied Cementing Co Inc
M.H.M. + Duans + Kevin

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE _____

FLOAT EQUIPMENT

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

E & J #1

SE SE SW of

15-101-21722

SECTION 11 - 16S - 27W

LANE COUNTY, KANSAS

Commenced: 7-18-96 Elevations: 2567' GR, 2572' KB
Completed: 7-26-96 Surface Pipe: 200' of 8-5/8"
Contractor: Mallard Joint Venture Production Pipe: none
Rig #2

One foot drilling time was kept from 1960' to 2050' KB and from 3700' to rotary total depth. Ten foot drilling samples were kept and examined from 3750' 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 1991 (+589)

BASE ANHYDRITE 2026 (+554)

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E & J #1

page 2

HEEBNER 3828 (-1256)

TORONTO 3853 (-1281)

LANSING 3873 (-1301)

STARK SHALE 4116 (-1544)

BASE KANSAS CITY 4204 (-1632)

MARMATON 4241 (-1669)

PAWNEE 4301 (-1729)

BIT TRIP AT 4329' KB: Pipe Strap 0.36' long to board.

FORT SCOTT 4368 (-1796)

4386-94' KB

White, very finely crystalline, dense, limestone. Slight show of free oil in very poor "on edge" porosity, no odor, slight stain, and a very weak cut.

CHEROKEE SHALE 4394 (-1822)

CHEROKEE SAND 4449 (-1877)

4449-62' KB

Clear, medium grained, well sorted, well rounded, sandstone clusters. Great show of free oil in poor to fair intergranular porosity, weak odor, good stain, and a very strong cut.

DRILL STEM TEST #1 4432' to 4462' KB 30' Anchor

Blow: $\frac{1}{4}$ " died in 23 minutes.

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

Recovered: 10' Mud

Pressures: IH 2230# IF 19-21# ISIP 996#
FH 2157# FF --- FSIP ---

HESS OIL COMPANY

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Wichita, Kansas 67202

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E & J #1

Page 3

CHEROKEE SAND (cont.)

4462-70' KB

Clear, small to medium grained, well sorted, well rounded. sandstone clusters. Great show of free oil in fair intergranular porosity, slight odor, great staining, and a very strong cut.

4471-77' KB

Clear to white, very small to medium grained, well sorted, well rounded, sandstone clusters. Great show of free oil in poor to fair intergranular porosity, weak odor, great stain, and a very strong cut.

(Some white sandstone clusters with no porosity)

DRILL STEM TEST #2

4432' to 4485' KB 53' Anchor

Blow: $\frac{1}{4}$ to $\frac{1}{2}$ " intermitten blow throughout. 2nd opening --- dead.

Times: Open 40, Closed 30, Open 10, Closed 0.

Recovered: 60' Oil Cut Mud

Pressures: IH 2169# IF 24-36# ISIP 1061#
FH 2132# FF 31-43# FSIP ---

MISSISSIPPI

4489 (-1917)

4489' to 4502' KB

Brown, finely crystalline, dense, dolomite. Great show of free oil in fair intercrystalline porosity (some good "vuggy" porosity) Good odor, great stain, and a very strong cut.

DRILL STEM TEST #3

4488' to 4502' KB 14' Anchor

Blow: Slow build to 8". 2nd opening -- slow build to 4".

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

Recovered: 140' Gas
140' Gas, Water, & Mud Cut Oil
(10% G, 60% O, 20% W, 10% M)
60' (5% G, 5% O, 40% W, 50% M)
240' Mud Cut Salt Water (75% W, 25%M)

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

E & J #1
Page 4

DRILL STEM TEST #3 (cont.)

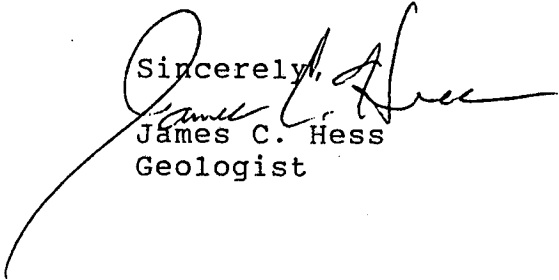
Pressures: IH 2320# IF 28-144# ISIP 1153#
FH 2153# FF 149-196# FSIP 1096#

Recovered 1.56 bbls oil & 2.47 bbls SW, after converting mud to the correct ratio of oil & SW for each interval reported.
= 18 bbls oil & 29 bbls SW per day.

ROTARY TOTAL DEPTH 4502 (-1930)

This well ran structurally low to every well around it, except for the dry hole in the SW/4 of Sec. 14. The sand was a surprise and disappointment in it's lack of development. It was decided that while the Mississippi gave up some oil, it would most likely water out in a very short time. Every show of free oil was tested, except for the slight show in the Fort Scott. Therefore, it was decided to plug the E & J #1 without a log.

Sincerely,


James C. Hess
Geologist

P.O. BOX 1009
McPHERSON, KANSAS 67460-1009
(316) 241-4640

ACO-1 Completion Form Attachment

E&J #1
SE SE SW, Section 11-16-27W, Lane County, KS
API #15-101-217220000

DST #1 Interval: 4432'-4462'
Times: 30-30-0-0
Initial Flow: Weak .25" blow died in 23 min
Final Flow: No open, tool out of hole with company orders
Recovery: 10' Mud
Pressures: IH 2230#, IF 19-23#, ISI 1034#, FF ---, FSI ---, FH 2158#

DST #2 Interval: 4432'-4485'
Times: 40-30-10-0
Initial Flow: .25" - .50" intermittent blow
Final Flow: No blow
Recovery: 60' Mud w/few specks of Oil
Pressures: IH 2169#, IF 24-36#, ISI 1061#, FF 31-43#, FSI ---, FH 2132#

DST #3 Interval: 4488'-4502'
Times: 60-45-60-45
Initial Flow: Slow build to 8"
Final Flow: Slow build to 4"
Recovery: 140' Gas in Pipe
140' Gassy Mud & Water Cut Oil (10% Gas, 60% Oil, 20% Water, 10% Mud)
60' Slightly Gassy Oil Cut Watery Mud (5% Gas, 5% Oil, 40% Water, 50% Mud)
240' Muddy Water w/trace Oil (75% Water, 25% Mud)
Pressures: IH 2320#, IF 28-144#, ISI 1155#, FF 150-197#, FSI 1096#, FH 2154#

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