

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5663
Name: Hess Oil Company
Address 1: P. O. Box 1009
Address 2: _____
City: McPherson State: KS Zip: 67460 + 1009
Contact Person: Bryan Hess
Phone: (620) 241-4640
CONTRACTOR: License # 4958
Name: Mallard JV, Inc.
Wellsite Geologist: James C. Hess
Purchaser: _____

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Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover _____
_____ Oil _____ SWD _____ SIOW
_____ Gas _____ ENHR _____ SIGW
_____ CM (Coal Bed Methane) _____ Temp. Abd.
 Dry _____ Other _____
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
_____ Deepening _____ Re-perf. _____ Conv. to Enhr. _____ Conv. to SWD
_____ Plug Back: _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
7/24/09 7/31/09 7/31/09
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 083-21601-00-00
Spot Description: Approx
SE NE SW SE Sec. 17 Twp. 21 S. R. 22 East West
835 Feet from North / South Line of Section
1540 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Hodgeman
Lease Name: Joan Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2299' Kelly Bushing: 2304'
Total Depth: 4472' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 220' 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/ _____

2A-Dlg - 9/8/09 ^{sx cmt.}

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: _____ ppm Fluid volume: _____ bbls
Dewatering method used: _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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 of 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: Bryan Hess
Title: President Date: 8/27/09
Subscribed and sworn to before me this 27th day of August,
2009.
Notary Public: Carol A. Nickel
Date Commission Expires: _____

CAROLA A. NICKEL
Notary Public - State of Kansas
My Appt. Expires June 1, 2013

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Hess Oil Company Lease Name: Joan Well #: 1
 Sec. 17 Twp. 21 S. R. 22 East West County: Hodgeman

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
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
Surface	12-1/4"	8-5/8"	20	220'	common	150	2% gel, 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or Enhr. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3357

Date	7-24-09	Sec.	Twp.	Range	County	State	On-Location	Finish
Lease	Well No. 1		Location					
Contractor	McHardy Drilling			Owner				
Type Job	Surface			To Quality Oilwell Cementing, Inc.				
Hole Size	7 1/8			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Csg.	8 1/2			Charge To				
Tbg. Size	8 1/2			Depth				
Drill Pipe	8 1/2			Street				
Tool	8 1/2			City				
Cement Left in Csg.	1			State				
Press Max.	Minimum			The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace 134 Bar			CEMENT				
Perf.	EQUIPMENT			Amount Ordered				
Pumptrk	No.	Cementer	Common					
Bulktrk	No.	Helper	1500					
Bulktrk	No.	Driver	150 @ 10.00					
Bulktrk	No.	Driver	1500.00					
Bulktrk	No.	Driver	Poz. Mix					
JOB SERVICES & REMARKS			Gel.					
Pumptrk Charge	Surface		3 @ 17.00					
Mileage	24 @ 6.00		5 @ 42.00					
Footage	Total		316.00					
Remarks:			KCC WICHITA					
Handled			Handling					
158 @ 2.00			316.00					
Mileage			Mileage					
84 @ 3.50 per mile			300.00					
Pump Truck Charge			Pump Truck Charge					
544.00			544.00					
FLOAT EQUIPMENT			Guide Shoe					
Centralizer			Centralizer					
Baskets			Baskets					
AFU Inserts			AFU Inserts					
1 @ 69.00			69.00					
Rotaling Head			Rotaling Head					
Squeeze Mainfold			Squeeze Mainfold					
Tax			94.43					
Discount			(598.00)					
Total Charge			2986.43					
Signature			Signature					

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 332

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-31-09	17	21	22	Harvey	Mo		12:00pm
Lease	Well No.		Location				
Contractor				Owner			
Type Job				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge To			
Csg.		Depth		Street			
Tbg. Size		Depth		City State			
Drill Pipe		Depth		City State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint		CEMENT			
Press Max.		Minimum		Amount Ordered			
Meas Line		Displace		Common			
Perf.				Poz. Mix			
				Gel.			
				Calcium			
				Mills			
				Salt			
				Flowseal			
				Handling			
				Mileage			
				Pump Truck Charge			
				GUIDE EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Rotating Head			
				Squeeze Mainfold			
				Tax			
				Discount			
				Total Charge			

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Tax 250.97
Discount (778.00)
Total Charge 3363.97

X Signature

HESS OIL COMPANY

P.O. BOX 1009
McPHERSON, KANSAS 67460-1009
(620) 241-4640

ACO-1 Completion Form Attachment

Joan #1

Approx. SE NE SW SE
835' FSL, 1540' FWL, Section 17-21-22W
Hodgeman County, Kansas
API# 15-083-21601-00-00

Elevation: 2304' KB

<u>FORMATION</u>	<u>SAMPLE TOP</u>	<u>DATUM</u>
Anhydrite	1476'	(+828')
Base Anhydrite	1513'	(+791')
Heebner	3794'	(-1490')
Lansing	3847'	(-1543')
Marmaton	4207'	(-1903')
Pawnee	4293'	(-1989')
Fort Scott	4358'	(-2054')
Cherokee Shale	4449'	(-2145')
Mississippi	4466'	(-2162')
RTD	4472'	(-2168')

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DST #1

Depth: 4350' - 4390'
Times: 30-30-0-0
Blows: IF - surface blow - died 9 min
ISI - no blow back
Recoveries: 5' Mud
Pressures: IH 2228#, IF 33-36#, ISI 53#
FF ---, ISI ---, FH 2156#

DST #2:

Depth: 4423' - 4453'
Times: 45-45-5-0
Blows: IF - 1/4" blow - died 33 min
ISI - no blow back
FF - no blow
Recoveries: 15' Mud
Pressures: IH 2280#, IF 24-31#, ISI 503#
FF 34-33#, FSI ---, FH 2184#

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

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JOAN #1

835' FSL, 1540' FEL of

Section 17 - 21S - 22W

Hodgeman County, Kansas

Commenced:	7-24-09	Elevations:	2299' GR, 2304' KB
Completed:	7-31-09	Surface Pipe:	8-5/8" @ 220' KB
Contractor:	Mallard J.V.	Production Pipe:	none

One foot drilling time was kept from 1440' to 1540' KB and from 3600' to rotary total depth. Ten foot drilling samples (wet & dry) were kept from 4200' to RTD.

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

<u>ANHYDRITE</u>	<u>1476</u>	<u>(+828)</u>
<u>BASE ANHYDRITE</u>	<u>1513</u>	<u>(+791)</u>
<u>HEEBNER</u>	<u>3794</u>	<u>(-1490)</u>
<u>LANSING</u>	<u>3847</u>	<u>(-1543)</u>

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

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Joan #1

Page 2

MARMATON 4207 (-1903)

PAWNEE 4293 (-1989)

FORT SCOTT 4358 (-2054)

4378-82' KB Cream, very fine to finely crystalline, dense, slightly oolitic, limestone. Weak show of free oil in poor intercrystalline porosity, no odor, slight stain, and a weak cut.

Drill Stem Test #1 4350 to 4390' KB 40' Anchor

Blow: Weak surface blow - died in 9 min.

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

Recovered: 5' Mud

Pressures: IH 2148# IF 33 - 36# ISIP 53#
FH 2088# FF --- FSIP ---

MISSISSIPPI WARSAW 4449 (-2145)

Drill Stem Test #2 4423 to 4453' KB 30' Anchor

Blow: $\frac{1}{4}$ " -- died in 33 min. 2nd opening - no blow.

Times: Open 45, Closed 45, Open 5, Closed 0.

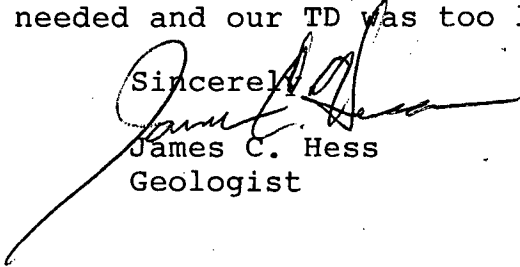
Recovered: 15' Mud

Pressures: IH 2187# IF 24 - 31# ISIP 503#
FH 2137# FF 34 - 34# FSIP ---

MISSISSIPPI OSAGE 4466 (-2162)

ROTARY TOTAL DEPTH 4472 (-2168)

It was decided to plug the Joan #1, since all oil shows had been tested. No logs were needed and our TD was too low to continue.

Sincerely,

James C. Hess
Geologist