

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 **RECEIVED**
Name: Mallard JV, Inc. **KANSAS CORPORATION COMMISSION**
Wellsite Geologist: James C. Hess **APR 14 2009**
Purchaser: NCRA **CONSERVATION DIVISION**
Designate Type of Completion: **WICHITA, KS**
 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.: _____
1-28-2009 2-2-2009 2-24-2009
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 135-24864-00-00
Spot Description: Approx
_____ NW _____ NW Sec. 5 Twp. 16 S. R. 22 East West
450 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ness
Lease Name: Janet Well #: 3
Field Name: Waring
Producing Formation: Cherokee
Elevation: Ground: 2357' Kelly Bushing: 2362'
Total Depth: 4376' Plug Back Total Depth: 4348'
Amount of Surface Pipe Set and Cemented at: 213 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1695 Feet
If Alternate II completion, cement circulated from: 1695
feet depth to: surface w/ 150 sx cmt.

Drilling Fluid Management Plan AH II NR 5-6-09
(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: Bryan Hess, Pres. Date: 4-13-2009
Subscribed and sworn to before me this 13th day of April,
20 09.
Notary Public: Carol A. Nickel
Date Commission Expires: _____

NOTARY PUBLIC
STATE OF KANSAS
Carol A. Nickel
My Appt Expires 6-1-09

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: Janet Well #: 3
 Sec. 5 Twp. 16 S. R. 22 East West County: Ness

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

List All E. Logs Run:

Radiation Guard, Microresistivity

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#	213'	common	165	2% gel, 3% cc
Production	7-7/8"	5-1/2"	15.5#	4373'	EA-2	150	
				Top Stage:	multi-density	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

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
4	4280'-4290'		

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>4270'</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>3-5-2009</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>50</u>	Gas Mcf <u>0</u>	Water Bbls. <u>5</u> Gas-Oil Ratio Gravity <u>36</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4280'-4290'</u>
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HESS OIL COMPANY

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

ACO-1 Completion Form Attachment

Janet #3

Approx. NW NW NW
450' FNL, 330' FWL
Section 5-16-22W
Ness County, KS
API# 15-135-24864-00-00

Elev. 2362' KB

<u>FORMATION</u>	<u>SAMPLE TOP</u>	<u>DATUM</u>
Anhydrite	1703'	(+659')
Base Anydrite	1740'	(+622')
Heebner	3715'	(-1353')
Toronto	3733'	(-1371')
Lansing	3752'	(-1390')
Stark Shale	3969'	(-1607')
Base Kansas City	4018'	(-1656')
Marmaton	4045'	(-1683')
Pawnee	4115'	(-1753')
Fort Scott	4200'	(-1838')
Cherokee Shale	4222'	(-1860')
Cherokee Sand	4284'	(-1922')
RTD	4376'	(-2014')

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CONSERVATION DIVISION
WICHITA, KS

DST #1

Depth: 4220' - 4293'
Times: 30-45-30-45
Blows: IF - BOB in 11 min.
ISI - Surface blow back - died in 14 min.
FF - BOB in 11 min.
FSI - 1/4" blow back - died in 16 min.
Recoveries: 250' Free oil (5% M, 95% O)
310' MCO (70% O, 30% M)
20' Free oil (5% M, 95% O)
60' GIP
Pressures: IH 2184#, IF 44-175#, ISI 1232#, FF 174-242#, FSI 1226#, FH 2108#

ALLIED CEMENTING CO., LLC. 33281

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

SERVICE POINT:
Ness City

DATE <u>1-28-09</u>	SEC <u>5</u>	TWP <u>10</u>	RANGE <u>22W</u>	CALLED OUT <u>2:00 pm</u>	ON LOCATION <u>5:30pm</u>	JOB START <u>6:00pm</u>	JOB FINISH <u>6:30pm</u>
LEASE <u>Janet</u>	WELL # <u>3</u>	LOCATION <u>Brownell, 2w, 4N, E into</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Mallard
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 213'
 CASING SIZE 8 7/8 DEPTH 213'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 200* MINIMUM ~
 MEAS. LINE SHOE JOINT 15ft
 CEMENT LEFT IN CSG. 15ft
 PERFS.
 DISPLACEMENT Fresh Water

EQUIPMENT

PUMP TRUCK CEMENTER Tyler
 # 181 HELPER Joe
 BULK TRUCK
 # 344/110 DRIVER Jeff
 BULK TRUCK
 # DRIVER

REMARKS:

pipe on bottom, break circulation, mix 165sx common, 3% cc, 2% gel, shut down, Release plug, displace with 12 1/2 bbls Fresh H₂O, Shutdown, Close in, Rig down, cement did circulate

OWNER Hess oil
 CEMENT
 AMOUNT ORDERED 165 sx, Common, 3% cc, 2% gel

COMMON	<u>165 sx</u>	@	<u>13.50</u>	<u>2227.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>173</u>	@	<u>2.25</u>	<u>389.25</u>
MILEAGE	<u>35/173/10</u>			<u>605.50</u>
TOTAL				<u>3540.50</u>

SERVICE

DEPTH OF JOB	<u>213'</u>			
PUMP TRUCK CHARGE				<u>99.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>35</u>	@	<u>7.00</u>	<u>245.00</u>
MANIFOLD		@		
<u>Head Rent</u>		@		
		@		

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TOTAL 1236.00

CONSERVATION DIVISION
WICHITA, KS PLUG & FLOAT EQUIPMENT

<u>8 7/8 - Wooden plug</u>	@	<u>67.00</u>	<u>67.00</u>
	@		
	@		
	@		

CHARGE TO: Hess oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

Thank you.

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
2/3/2009	15626

BILL TO
Hess Oil Company PO Box 1009 McPherson, KS 67460-1009

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Janet	Ness	Mallard Drilling	Oil	Development	5-1/2" Two-Stag...	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				25	Miles	5.00	125.00
579D	Pump Charge - Two-Stage - 4373 Feet				1	Job	1,750.00	1,750.00
580	Additional Hours (If Circulate More Than 1 Hour)				3	Hours	200.00	600.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	26.00	104.00T
281	Mud Flush				500	Gallon(s)	1.00	500.00T
402-5	5 1/2" Centralizer				1	Each	80.00	80.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	275.00	275.00T
408-5	5 1/2" D.V. Tool & Plug Set - Top Joint #64 - 1693 Feet				1	Each	2,900.00	2,900.00T
409-5	5 1/2" Turbolizer				5	Each	100.00	500.00T
417-5	5 1/2" D.V. Latch Down Plug & Baffle				1	Each	200.00	200.00T
325	Standard Cement				150	Sacks	12.00	1,800.00T
330	Swift Multi-Density Standard (MIDCON II)				200	Sacks	15.00	3,000.00T
276	Flocele				88	Lb(s)	1.50	132.00T
283	Salt				750	Lb(s)	0.20	150.00T
284	Calseal				7	Sack(s)	30.00	210.00T
285	CFR-1				100	Lb(s)	4.00	400.00T
290	D-Air				4	Gallon(s)	35.00	140.00T
581D	Service Charge Cement				350	Sacks	1.75	612.50
583D	Drayage				445.725	Ton Miles	1.50	668.59
	Subtotal							14,397.09
	Sales Tax Ness County						5.30%	563.97

7184
FEB 11 PAID

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CONSERVATION DIVISION
WICHITA, KS

We Appreciate Your Business!

Total

\$14,961.06

JOB LOG

SWIFT Services, Inc.

DATE 2-3-09 PAGE NO.

CUSTOMER **Hess Oil Co.** WELL NO. # **3** LEASE **JANET** JOB TYPE **5 1/2" 2-STAGE LOGS** TICKET NO. **15626**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0430							ON LOCATION
	0400							START 5 1/2" CASING TO WELL
								TD-4376 SET = 4373
								TP-4376 5 1/2" # 15.5
								ST-20'
								CENTRALIZERS - 1, 2, 3, 4, 5 ^{FM} REG 63
								BASKET-64
								DV TOOL = 1693 TOOLT # 64
	0545							DROP BALL - CIRCULATE
	0610	6	12		✓	500		PUMP 500 GAL MUD FLUSH
	0612	6	20		✓	500		PUMP 20 BBLs KCL-FLUSH
	0617	4	36		✓	300		MIX 150 SKS EA-2 = 15.5 PP6
	0627							WASH OUT PUMP - LEVES
	0627							RELEASE DV LATCH DOWN PLUG
	0630	7	0		✓			DISPLACE PLUG
	0645	6 1/2	103.7			1500		PLUG DOWN - PSEUP LATCH IN PLUG
	0647					OK		RELEASE PSE - HELD WASH TRUCK
	0655							DROP DV OPENING PLUG
	0715				✓	1200		OPEN DV TOOL - CIRCULATE
	1045	6	20		✓	350		PUMP 20 BBLs KCL-FLUSH
	1050		6/4					PLUG RH-MH
	1100	5	97		✓	200		MIX 175 SKS SWS = 11.2 PP6
	1120							WASH OUT PUMP - LEVES
	1121							RELEASE DV CLOSING PLUG
	1122	6	0		✓			DISPLACE PLUG
	1130	5	40.3			1500		PLUG DOWN - PSEUP CLOSE DV TOOL
	1132					OK		RELEASE PSE - HELD
								CIRCULATED 40 SKS COMBT TO PIT
								WASH TRUCK
	1230							JOB COMPLETE

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APR 14 2009
CONSERVATION DIVISION
WICHITA, KS

THANK YOU
WAYNE, BRETT, DAVE