

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Operator: License # 5663  
Name: Hess Oil Company  
Address: P.O.Box 1009  
City/State/Zip: McPherson, KS 67460  
Purchaser: NCRA  
Operator Contact Person: Bryan Hess  
Phone: (620) 241-4640  
Contractor: Name: Mallard JV, Inc.  
License: 4958  
Wellsite Geologist: Kurt Smith

API No. 15 - 135-24274-00-00  
County: Ness  
N/2 N/2 NW NW Sec. 21 Twp. 17 S. R. 22  East  West  
100 feet from N (circle one) Line of Section  
610 feet from W (circle one) Line of Section

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

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Mary Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: Cherokee Sand

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

Elevation: Ground: 2278' Kelly Bushing: 2283'  
Total Depth: 4370' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 280 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1536 Feet  
If Alternate II completion, cement circulated from 1536'  
feet depth to surface w/ 200 sx cmt.

<u>4-20-04</u>	<u>4-26-04</u>	<u>5-5-04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

**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.: \_\_\_\_\_

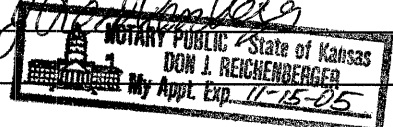
**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-107, 82-3-108 and 82-3-107 apply. Information of 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 plugged 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, Manager Date: 7-9-04

Subscribed and sworn to before me this 9th day of July,  
20 04.

Notary Public: Don J. Reichenger  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**RELEASED FROM CONFIDENTIAL**

Operator Name: Hess Oil Company Lease Name: Mary Well #: 1  
 Sec. 21 Twp. 17 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Dual Induction; Compensated Density Neutron</b>	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anydrite</td> <td>1568</td> <td>+715</td> </tr> <tr> <td>LKC</td> <td>3724</td> <td>-1441</td> </tr> <tr> <td>Fort Scott</td> <td>4192</td> <td>-1909</td> </tr> <tr> <td>Cherokee Sand</td> <td>4270</td> <td>-1987</td> </tr> <tr> <td>Mississippian</td> <td>4346</td> <td>-2063</td> </tr> <tr> <td>RTD &amp; LTD</td> <td>4370</td> <td>-2087</td> </tr> </table>	Name	Top	Datum	Anydrite	1568	+715	LKC	3724	-1441	Fort Scott	4192	-1909	Cherokee Sand	4270	-1987	Mississippian	4346	-2063	RTD & LTD	4370	-2087
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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"	23#	280'	common	190	3%cc, 2% gel
Production	7-7/8"	5-1/2"	15.5#	4359'	EA-2	150	
					and SMDC	200	1/4# flocele/sk

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 <i>(Amount and Kind of Material Used)</i>	Depth
3	4272'-4287'		

TUBING RECORD		Size <b>2-7/8"</b>	Set At <b>4250'</b>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>5/12/04</b>		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. <b>90</b>	Gas Mcf	Water Bbls. <b>0</b>	Gas-Oil Ratio	Gravity <b>44</b>

Disposition of Gas    METHOD OF COMPLETION    Production Interval

Vented     Sold     Used on Lease     Open Hole     Perf.     Dually Comp.     Commingled    4272'-4287'  
*(If vented, Submit ACO-18.)*     Other (Specify) \_\_\_\_\_

# HESS OIL COMPANY

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

## ACO-1 Completion Form Attachment

Mary #1  
Approx. N/2 N/2 NW NW, Section 21-17-21W  
Ness County, Kansas

Elevation: 2283' KB

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DST #1: Depth: 4247' - 4282'. Misrun - packers failed; reset failed again; pulled tool.

DST #2: Depth: 4204' - 4282'. Times: 30-45-45-60. Blows: IF - 1/2" @ open, built to 10", no return; FF - surface blow built to 8". Recoveries: 120' GIP; 428' SGHOCM (5% gas, 45% oil, 50% mud. Pressures: IH 2022#, IF 23-140#, ISI 1277#, FF 139-186#, FSI 1271#, FH 2000#.

**KCC**

**JUL 09 2004**

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**RELEASED  
FROM  
CONFIDENTIAL**

**RECEIVED  
JUL 12 2004  
KCC WICHITA**

# SWIFT SERVICES, INC.

PO BOX 466

NESS CITY, 67560-0466

# Invoice

DATE	INVOICE #
4/26/04	6698

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

**KCC**

JUL 09 2004

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TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Operator	Job Purpose
Net 30	# 1	Mary	Ness	Mallard Drlg Co	Oil	Development	Ted	Long String
PRICE REFERE...	DESCRIPTION				QTY	UNIT PRICE	AMOUNT	
575D	Milage				15	2.50	37.50	
579D	Pump Charge - Two-Stage				1	1,500.00	1,500.00	
281	Mud Flush				500	0.60	300.00T	
221	Liquid KCL				4	19.00	76.00T	
407-5	5 1/2" Insert Float Shoe with Auto Fill				1	230.00	230.00T	
408-5	5 1/2" D.V. Tool & Plug Set				1	2,150.00	2,150.00T	
409-5	5 1/2" Turbolizers				5	54.00	270.00T	
402-5	5 1/2" Centralizers				1	44.00	44.00T	
403-5	5 1/2" Cement Basket				1	125.00	125.00T	
580	Additional hrs.				2	100.00	200.00T	
325	Cement				150	7.25	1,087.50T	
284	Calseal				7	25.00	175.00T	
283	Salt				750	0.15	112.50T	
285	CFR-1				71	2.75	195.25T	
276	Flocele				38	0.90	34.20T	
330	Swift Multi-Density				200	10.00	2,000.00T	
276	Flocele				50	0.90	45.00T	
581D	Service Charge Cement				344	1.00	344.00	
583D	Drayage				266.7	0.85	226.70	
	Subtotal						9,152.65	
	Sales Tax						373.36	

7331  
MAY 12 PAID

RELEASED  
FROM  
CONFIDENTIAL 5.30%

RECEIVED  
JUL 12 2004  
KCC WICHITA

Thank you for your business.

Total

\$9,526.01



CHARGE TO: Hess Oil Co  
 ADDRESS: P.O. Box 905  
 CITY, STATE, ZIP CODE: McPherson, KS 67460

TICKET No. **6698**

PAGE 1 OF #2

SERVICE LOCATIONS: 1. Ness City, KS 2. OK

WELL/PROJECT NO.: #1 LEASE: Mary COUNTY/PARISH: Ness STATE: KS CITY: Ness City, KS DATE: 4-26-04 OWNER: Sue

TICKET TYPE:  SERVICE  SALES CONTRACTOR: Mathard Dole Co Inc RIG NAME/NO.:  SHIPPED VIA: N/E of Ness City, KS ORDER NO.:

WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: New well - long string WELL PERMIT NO.:  WELL LOCATION:

REFERRAL LOCATION:  INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE 104	25	mi			2.50	37.50
579		1			Pump Charge - Two stage	1	ea			1500.00	1500.00
281		1			<del>Fast</del> Mud flush	300	gal			1.00	300.00
221		1			Liquid KCL	4	gal			19.00	76.00
407	RECEIVED	1			Insert float shoe w/ Actoflo	1	ea	5 1/2 in		230.00	230.00
408	JUL 12 2004	1			D.V. Tool & Plug set	1	ea	8 1/2 in		2150.00	2150.00
409	KCC WICHITA	1			Fluidmaster Centralizer	5	ea	5 1/2 in		54.00	270.00
402		1			Reg Centralizer	1	ea	5 1/2 in		44.00	44.00
403		1			Cement Basch	1	ea	5 1/2 in		125.00	125.00
580		1			Additional Hours	2	ea			100.00	200.00
		1			From Continuation Page						4220.15

CONFIDENTIAL  
 FROM  
 RELEASED

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x Lauron R Ullman  
 DATE SIGNED: 4-26-04 TIME SIGNED: 7:00  A.M.  P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				9152.65
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				373.36
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL
				9526.01

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: L. D. [Signature] APPROVAL:

Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 4-26-04 PAGE NO. #1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Hess Oil		# 1		Mary		Two-stage Long stry		6698	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	17:00							Called out	
	19:00							Orderation w/ float equmt	
	19:15							Start csg in hole	
								Insert float shoe, baffle plate	
								outop of 11 ft shoe ft	
								5 - fluid master Centralizer	
								on 1st 5 collars	
								Centralizer on 66 collar	
								Cnt Basket sliding on jt 67	
								D.V. Tool on 67 collar at 4532ft	
	21:05							Csg on bottom / drop ball	
	21:10							Hook up of circulator	
	21:15							Started circulating w/ pipe on ball	
	21:							Set up trks & mix up fluid	
	21:40							Start bottom stage	
	21:45	4	12			250		500 gal Mud fluid	
	21:48	4	20			200		20 bbl RCL water flw	
	21:53	5	36			100		150 lbs EA-2	
	22:00							Drop plug & wash out / run	
	22:02					0		Start displacement	
								60 bbl water & 37 bbl mud	
	22:19	6	103			750		Total 103 bbls	
	22:19					1250		Landed plug at 1250 PSI	
	22:20					0		Release pressure / float held	
	22:22					0		Dropped <b>RELEASED</b>	
	22:40					1100		Open D.V. <b>FROM 1000 PSI</b>	
	22:45					200		Circulate <b>CONFIDENTIAL</b>	
	01:45							Plug rat hole & mouse hole	
	0200	6	20			300		Pump 20 bbl RCL spacer	
	0205	6 1/2	0			275		Start cmt on top stage	
	0220		111					FRESH MIX 200 SLS SPS 1/4 FLOCC	
	0222							WASH OUT PUMP - LOWER	
	0223							RELEASE D.V. CROWD PWG	
	0225	6 1/2	0					DISPLACE PWG	
	0230		36 1/2			1700		PWG DOWN - RECESS - HEAD	
								CIRCULATED 25 SLS COUNT TO PIT	
								WASH UP	
	0330							THANK YOU	
								JOB COMPLETE TEL MARK, DUST, SHINE	

# ALLIED CEMENTING CO., INC.

18299

Federal Tax ID.#

**CONFIDENTIAL**

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

SERVICE POINT:  
Mass City

DATE <u>4-20-04</u>	SEC. <u>21</u>	TWP. <u>17</u>	RANGE <u>22w</u>	CALLED OUT <u>3:00 pm</u>	ON LOCATION <u>5:00 pm</u>	JOB START <u>6:00 pm</u>	JOB FINISH <u>6:30 pm</u>
LEASE <u>MARY</u>	WELL# <u>#1</u>	LOCATION <u>Bazine - 4 west - 9 miles</u>			COUNTY <u>Mass</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>north - 1/2 East - South + west into</u>				

CONTRACTOR Mallard Dady  
 TYPE OF JOB Surface Pipe  
 HOLE SIZE 12 1/4 T.D. 280  
 CASING SIZE 8 5/8 DEPTH 280  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. approx 15'  
 PERFS.  
 DISPLACEMENT 17 BBLs

OWNER Northern lights Oil Co.

CEMENT  
 AMOUNT ORDERED 190 ex Common  
30% c/c + 2% gel

**EQUIPMENT**

PUMP TRUCK CEMENTER Jack  
 # 224 HELPER Jim  
 BULK TRUCK  
 # 342 DRIVER Steve  
 BULK TRUCK  
 # DRIVER

COMMON 190 ex @ 7.65 1453.50  
 POZMIX @  
 GEL 4 gal @ 11.00 44.00  
 CHLORIDE 6 gal @ 30.00 180.00  
 ASC @

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JUL 09 2004

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HANDLING 200 ex @ 12.5 250.00  
 MILEAGE 200 mi @ 7.50 150.00  
 TOTAL 2071.50

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**SERVICE**

DEPTH OF JOB 280'  
 PUMP TRUCK CHARGE 520.00  
 EXTRA FOOTAGE @  
 MILEAGE 15 @ 4.00 60.00

TOTAL 580.00

**PLUG & FLOAT EQUIPMENT**

MANIFOLD @  
1-8 5/8 Wood. @ 45.00 45.00

**REMARKS:**

Run 6' of 8 5/8 casing - cement with  
190 ex cement - Displace plug with  
17 BBLs of fresh water - Cement  
Did Circ.

**RECEIVED**

JUL 12 2004

KCC WICHITA

Thanks

CHARGE TO: Northern lights Oil Co.  
 STREET P.O. Box 184  
 CITY Andover STATE KS ZIP 67002

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment  
 and furnish cementer and helper to assist owner or