

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator License # 5663
Hess Oil Company
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
Geologist: Kurt Smith

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

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Total Depth: _____
Report Conv. to Enhr./SWD
Plug Back Plug Back Total Depth
Commingled Docket No. _____
Dual Completion Docket No. _____
Other (SWD or Enhr.?) Docket No. _____

3/24/03 4/1/03 5/8/03
Spud Date or Completion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 135-24211-00-00
County: Ness
App. NE SE SW Sec. 20 Twp. 17 S R. 22 East West
970 feet from (S) / N (circle one) Line of Section
2310 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Wandelene Well #: 1

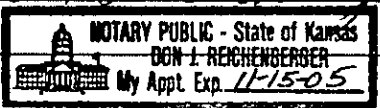
Field Name: _____
Producing Formation: Mississippian
Elevation: Ground: 2265' Kelly Bushing: 2270'
Total Depth: 4350 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 262 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1490 Feet
If Alternate II completion, cement circulated from 1490
feet depth to surface w/ 200 sx cmt.

Drilling Fluid Management Plan ALL 11 WELLS 7.17.03
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used evaporation
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.

Bryan Hess
Manager Date: 7-8-03
Subscribed and sworn to before me this 8th day of July, 2003
Notary Public: Don J. Reichenberger
Date Commission Expires: _____



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

X

Operator Name: Hess Oil Company Lease Name: Wandelene Well #: 1
20 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 (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: Radiation Guard	<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.							
	Size Hole (Inch)	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23	262'	common	175	3%cc, 2%gel
Production	7-7/8"	5-1/2"	14	4340'	EA-2	150	1/4# flocele
				&	SMD	200	1/4# flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TO				
___ 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
3	4268'-4273'		

Casing Size <u>7-7/8"</u> Set At <u>4274'</u> Packer At _____		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumerd Production, SWD or Enhr. <u>5/8/03</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>14</u>	Gas Mcf <u>0</u>	Water Bbls. <u>315</u> Gas-Oil Ratio _____ Gravity <u>41</u>

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled _____

Production Interval 4268'-4273'

Other (Specify) _____

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

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ACO-1 Completion Form Attachment

Wandelene #1
Approx. NE SE SW, Section 20-17-22W
Ness County, Kansas

Elevation: 2270' KB

<u>FORMATION</u>	<u>LOG TOP</u>	<u>DATUM</u>
Anhydrite	1531'	(+739') (sample)
Heebner	3656'	(-1386')
LKC	3700'	(-1430')
Base KC	3982'	(-1712')
Pawnee	4058'	(-1788')
Fort Scott	4172'	(-1902')
Cherokee "A" Sand	4194'	(-1924') (sample)
Cherokee "F" Sand	4256'	(-1986')
Mississippian	4265'	(-1995')
RTD	4350'	(-2080')
LTD	4349'	(-2079')

DST #1: Depth: 4186'-4212'. Times: 10-30-10-30. Blows: IF - weak blow died in 3 min; FF - no blow, flushed tool - good surge, no blow. Recoveries: 5' drilling mud. Pressures: IH 2152#, IF 19-21#, ISI 39#, FF 21-26#, FSI 50#, FH 2089#

DST #2: Depth: 4246'-4271'. Times: 15-30-15-30. Blows: IF - weak surface blow died in 10 min; FF - no blow, flushed tool - good surge, intermittent surface blow thru. Recoveries: 5' oil stained mud. Pressures: IH 2116#, IF 19-22#, ISI 374#, FF 21-25#, FSI 358#, FH 2074#

DST #3: Depth: 4245'-4280'. Times: 30-30-45-45. Blows: IF - fair to strong off bottom in 28 min; ISI - surface return built to 1"; FF - weak return off bottom in 25 min; FSI - surface return built to 1/2". Recoveries: 90' GIP, 240' SGOWCM (10% gas, 20% oil, 20% water, 50% mud), 190' CGO (15% gas, 85% oil). Pressures: IH 2107#, IF 25-129#, ISI 1264#, FF 131-184#, FSI 1263#, FH 2060#

15-135-24211-0000

ORIGINAL

SWIFT SERVICES, INC.

PO BOX 466

NESS CITY, 67560-0466

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Invoice

DATE	INVOICE #
3/31/03	5371

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

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TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Operator	Job Purpose
Net 30	# 1	Wandaleen	Ness	Mallard Drlg Co	Oil	Development	Wayne	5 1/2" 2-Stage...
PRICE REFERE...	DESCRIPTION				QTY	UNIT PRICE	AMOUNT	
575D	Milage				15	2.50	37.50	
579D	Pump Service - Two-Stage				1	1,500.00	1,500.00	
221	Liquid KCL				2	19.00	38.00T	
281	Mud Flush				500	0.60	300.00T	
407-5	5 1/2" Insert Float Shoe with Auto Fill				1	230.00	230.00T	
402-5	5 1/2" Centralizers				1	44.00	44.00T	
409-5	5 1/2" Turbolizers				5	54.00	270.00T	
403-5	5 1/2" Cement Basket				1	125.00	125.00T	
408-5	5 1/2" D.V. Tool & Plug Set				1	2,150.00	2,150.00T	
330	Swift Multi-Density				200	9.75	1,950.00T	
325	Cement				150	7.00	1,050.00T	
276	Flocele				88	0.90	79.20T	
284	Calseal				7	25.00	175.00T	
283	Salt				750	0.15	112.50T	
285	CFR-1				71	2.75	195.25T	
581D	Service Charge Cement				350	1.00	350.00	
583D	Drayage				267.2175	0.85	227.13	
	Subtotal							8,833.58
	Sales Tax						5.30%	356.10
Thank you for your business.							Total	\$9,189.68

5725
APR 14 PAID

15-135-24211-00-00

SWIFT Services, Inc.

ORIGINAL

DATE 3-31-03 PAGE NO. 1

JOB LOG

CUSTOMER HESS OIL CORP	WELL NO. #1	LEASE WANDAISE	JOB TYPE 5 1/2" 2-STAGE LONGSTRING	TICKET NO. 5371
---------------------------	----------------	-------------------	---------------------------------------	--------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							ON LOCATION
	2145							START 5 1/2" CASING IN WELL
								TD - 4350 SETC 4340'
								TP - 4340 5 1/2" #1FT 14
								ST - 19'
								CONNECTIONS - 1, 2, 3, 4, 5 TURBO REGULAR 69
								CMT BASKETS - 70
								D.V. TOOL & 1490 TOP JT # 70
	2340							DROP BALL - BREAK CIRCULATION
	2400	6 1/2	12		✓		450	PUMP MUD FLUSH (500 GAL)
		6 1/2	20		✓		450	PUMP KCL FLUSH
	0005	5 1/2	36		✓			MAX 150 SKS EA-2 CONCT c 15.4 PPG
								WASH OUT PUMP - LINES
								RELEASE 1 ST STAGE PLUG
	0020	7	0		✓		800 ^{MM}	DISPLACE PLUG (H ₂ O - 69.4 MUD - 36)
	0035	6	105.4				1200	PLUG DOWN
	0040						OK	RELEASE PSE - HELD
	0045							DROP D.V. OPENING PLUG
	0100				✓		1100	OPEN D.V. TOOL
	10105							CIRCULATE WELL - 4 HRS
	0430							PLUG RH-MH
	0438	6	10		✓			PUMP H ₂ O SPACER
	0440	6 1/2	110.8		✓		300	MAX 200 SKS SMD CONCT c 11.2 PPG
	0558							WASH OUT PUMP - LINES
	0559							RELEASE 2 ND STAGE CLOSING PLUG
	0500	6 1/2	0		✓		500 ^{MM}	DISPLACE PLUG
	0505		36.4				1500	PLUG DOWN - PSE UP CLOSE DV TOOL
								CIRCULATED 35 SKS CONCT TO POT ✓
								RELEASE PSE - HELD
								WASH UP
	0600							JOB COMPLETE
								THANK YOU
								WAKE, DUSTY, SHINE

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ALLIED CEMENTING CO., INC.

15402

ORIGINAL

Federal Tax ID

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

15-135-24211-00-00 SERVICE POINT

Deer City

DATE <u>3-24-03</u>	SEC <u>20</u>	TWP <u>17</u>	RANGE <u>22</u>	CALLED OUT <u>3:00 PM</u>	ON LOCATION <u>5:00 PM</u>	JOB START <u>7:00 PM</u>	JOB FINISH <u>7:45 AM</u>
LEASE <u>Ward Lane</u>	WELL # <u>1</u>	LOCATION <u>Range 410, 7N, 24W, 17S</u>		COUNTY <u>Nem</u>	STATE <u>Ks</u>		

OLD OR (NEW) Circle one

CONTRACTOR <u>Mollan</u>	OWNER <u>Sance</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4"</u>	AMOUNT ORDERED <u>175 cu Common</u>
CASING SIZE <u>8 7/8"</u>	<u>32cc 2 3/4"</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG <u>15'</u>	COMMON <u>@</u>
PERFS.	POZ MIX <u>@</u>
DISPLACEMENT	GEL <u>@</u>
EQUIPMENT	CHLORIDE <u>@</u>
	<u>@</u>
	<u>@</u>
PUMP TRUCK CEMENTER <u>Jim D</u>	<u>@</u>
# <u>24</u> HELPER <u>Jim W</u>	<u>@</u>
BULK TRUCK	HANDLING <u>@</u>
# <u>341</u> DRIVER <u>Stewart</u>	MILEAGE
BULK TRUCK	
#	TOTAL

REMARKS:	SERVICE
<u>Run 2 3/4" bitum. Brake circulation</u>	DEPTH OF JOB <u>2 1/2"</u>
<u>mixed 175 cu common 32cc 2 3/4"</u>	PUMP TRUCK CHARGE
<u>Advised plug displaced with pump</u>	EXTRA FOOTAGE <u>@</u>
<u>4 1/2'</u>	MILEAGE <u>@</u>
	PLUG <u>1-8 3/8 Top</u>
<u>Cement did circulate</u>	<u>@</u>
	<u>@</u>
	TOTAL

CHARGE TO: <u>Northern Lights Oil Co, LC</u>	FLOAT EQUIPMENT
STREET <u>P.O. Box 114</u>	
CITY <u>Andover</u> STATE <u>Ks</u> ZIP <u>67002</u>	<u>@</u>
	<u>@</u>
	<u>@</u>
	<u>@</u>
	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	IF PAID IN 30 DAYS
TOTAL CHARGE	
DISCOUNT	

SIGNATURE X Laverne R. Urban PRINTED NAME LAVORNE R. Urban

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