

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & 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: ( 620 ) 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/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. \_\_\_\_\_  

3/24/08	3/31/08	3/31/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

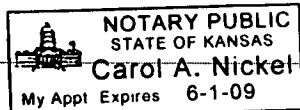
API No. 15 - 083-21548-0000  
 County: Hodgeman  
100 W. SE SW SE Sec. 20 Twp. 21 S. R. 22  East  West  
330 feet from (S) / NE (circle one) Line of Section  
1750 feet from (E) / SW (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE (SE) NW SW  
 Lease Name: Star Well #: 1  
 Field Name: \_\_\_\_\_  
 Producing Formation: \_\_\_\_\_  
 Elevation: Ground: 2274' 2275' Kelly Bushing: 2279'  
 Total Depth: 4500' Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 215 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** P+A AIT I NR  
 (Data must be collected from the Reserve Pit) 8-28-08  
 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: Pres. Date: 7/28/08  
 Subscribed and sworn to before me this 28<sup>th</sup> day of July,  
20 08  
 Notary Public: Carol A. Nickel  
 Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_ **RECEIVED**  
 Wireline Log Received **KANSAS CORPORATION COMMISSION**  
 Geologist Report Received **JUL 29 2008**  
 UIC Distribution  
**CONSERVATION DIVISION**  
**WICHITA, KS**

Operator Name: Hess Oil Company Lease Name: Star Well #: 1  
 Sec. 20 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 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>Radiation Guard</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" 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#	222'	common	160	2% gel, 3% cc

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr.	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

# HESS OIL COMPANY

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

ACO-1 Completion Form Attachment

Star #1  
100' W of SE SW SE  
330' FSL, 1750' FEL, Section 20-21-22W  
Hodgeman County, Kansas  
API# 15-083-21548-0000

Elevation: 2279' KB

<u>FORMATION</u>	<u>SAMPLE TOP</u>	<u>DATUM</u>
Anhydrite	1452'	(+827')
Base Anhydrite	1487'	(+792')
Heebner	3781'	(-1502')
Lansing	3833'	(-1557')
Marmaton	4199'	(-1920')
Pawnee	4279'	(-2000')
Fort Scott	4348'	(-2069')
Mississippi Osage	4459'	(-2180')
RTD	4500'	(-2221')

DST #1:                    Depth:       4455' – 4465' KB  
                              Times:       30-45-30-45  
                              Blows:       IF – Weak blow built to 4"  
  ISI – Dead  
  FF – Weak blow built to 2½"  
  FSI – Dead  
Recoveries: 20' Free oil  
  180' VSOCMW (1% O, 94% W, 5% M)  
Pressures:   IH 2269#, IF 15-62#, ISI 1369#, FF 67-103#, FSI 1351#, FH 2239#

DST #2:                    Depth:       4454' – 4468' KB  
                              Times:       60-45-60-45  
                              Blows:       IF – Fair blow BOB in 55 min.  
  ISI – Dead for 10 min. blow back building to 1"  
  FF – Fair blow BOB in 60 min.  
  FSI – Blow back building to ½"  
Recoveries: 140' VSOCMW (1% O, 60% W, 39% M)  
  120' VSOCWM (1% O, 20%W, 79%M)  
  30' OCM (25% O, 75% M)  
  80' Free oil  
Pressures:   IH 2300#, IF 20-130#, ISI 1332#, FF 133-175#, FSI 1319#, FH 2244#

RECEIVED  
KANSAS CORPORATION COMMISSION

JUL 29 2008

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC. 30655

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

SERVICE POINT:  
Ness City

DATE <u>3-24-08</u>	SEC <u>20</u>	TWP. <u>21S</u>	RANGE <u>22W</u>	CALLED OUT <u>2:00 PM</u>	ON LOCATION <u>5:00 PM</u>	JOB START <u>10:30 PM</u>	JOB FINISH <u>11:00 PM</u>
LEASE <u>star</u>	WELL # <u>1</u>	LOCATION <u>Hanston Ks, 4N, 2W, 1N,</u>			COUNTY <u>Hodgeman</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)		<u>2W, 1S</u>					

CONTRACTOR Mallard

TYPE OF JOB Surface

HOLE SIZE 12 1/2" T.D. 222'

CASING SIZE 8 3/8" DEPTH 222'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 2000# MINIMUM 0

MEAS. LINE \_\_\_\_\_ SHOE JOINT 15'

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 13.39 BBLs of freshwater

OWNER Hess oil Co.

CEMENT

AMOUNT ORDERED 160 SK Common 3% CL

2% Gel

COMMON	<u>160 SK</u>	@	<u>12.30</u>	<u>1968.00</u>
POZMIX		@		
GEL	<u>3 SK</u>	@	<u>18.40</u>	<u>55.20</u>
CHLORIDE	<u>5 SK</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		

**EQUIPMENT**

PUMP TRUCK CEMENTER Rick H.

# 181 HELPER Tyler W.

BULK TRUCK

# 357-170 DRIVER Gailen D.

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

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@

**JUL 29 2008**

@

CONSERVATION DIVISION

WICHITA, KS

@

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HANDLING	<u>168 SK</u>	@	<u>2.10</u>	<u>352.80</u>
MILEAGE	<u>168 SK 09</u>	@	<u>28</u>	<u>423.36</u>
TOTAL				<u>3056.8</u>

**REMARKS:**

pipe on bottom break circulation, mixed  
160 SK Common 3% CL, 2% gel shut down.  
Released plug and displaced with 13.39 BBLs  
of freshwater and shut in.

Cement did circulate.  
Rigged down

**SERVICE**

DEPTH OF JOB	<u>222'</u>			
PUMP TRUCK CHARGE				<u>900.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>28</u>	@	<u>7.00</u>	<u>196.00</u>
MANIFOLD		@		
<u>Head Rent</u>		@	<u>111.00</u>	<u>110.00</u>
TOTAL				<u>1207.00</u>

CHARGE TO: Hess oil Co.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>1-wooden plug</u>	@	<u>67.00</u>	<u>67.00</u>
	@		
	@		
	@		

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

# ALLIED CEMENTING CO., LLC. 33209

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

SERVICE POINT:  
Greer Bend

DATE <u>3-31-08</u>	SEC. <u>20</u>	TWP. <u>21S</u>	RANGE <u>22 W</u>	CALLED OUT <u>6:00 AM</u>	ON LOCATION <u>10:00 AM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>Star</u>	WELL # <u>1</u>	LOCATION <u>Hanston LN 2W 1N</u>		COUNTY <u>Hodgeman</u>	STATE <u>KS</u>		
<input checked="" type="radio"/> OLD OR NEW (Circle one)			<u>2W N1S</u>				

CONTRACTOR Mallard Rig  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 1500'  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 1500'  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 200 MINIMUM 50  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT Fresh Water  
 EQUIPMENT \_\_\_\_\_

OWNER Hess Oil

CEMENT  
 AMOUNT ORDERED 2055x 60/40 + 4Y.  
GEL + 1/4" # FLO-SEAL

PUMP TRUCK CEMENTER Dwayne W  
 # 120 HELPER Dwayne D  
 BULK TRUCK  
 # 342 DRIVER Carl S  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>123</u>	@	<u>12.30</u>	<u>1512.90</u>
POZMIX	<u>82</u>	@	<u>6.95</u>	<u>561.70</u>
GEL	<u>8</u>	@	<u>18.40</u>	<u>147.20</u>
CHLORIDE		@		
ASC		@		
Flo Seal	<u>51*</u>	@	<u>2.20</u>	<u>112.20</u>
HANDLING	<u>215</u>	@	<u>2.10</u>	<u>451.50</u>
MILEAGE	<u>215 x 2.8 x .09</u>			<u>541.80</u>
				TOTAL <u>3327.30</u>

REMARKS:

505x 1500' 2055x 60/40 + 4Y.  
605x 720' Gel + 1/4" # Flo-seal  
405x 240'  
205x 60'  
15xx in the Rat Hole

SERVICE

DEPTH OF JOB	<u>1500'</u>			
PUMP TRUCK CHARGE				<u>900.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>28</u>	@	<u>7.00</u>	<u>196.00</u>
MANIFOLD		@		

CHARGE TO: Hess Oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

RECEIVED  
KANSAS CORPORATION COMMISSION

TOTAL 1096.00

JUL 29 2008  
 PLUG & FLOAT EQUIPMENT  
 CONSERVATION DIVISION  
 WICHITA, KS

*Thank you*

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

	@			
	@			
	@			
	@			