

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 140' S  
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: 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. \_\_\_\_\_

<u>3-28-06</u>	<u>4-15-06</u>	<u>5-2-06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22,335-00-00  
County: Trego  
S. E/2 SE SW Sec. 16 Twp. 15 S. R. 22  East  West  
520 feet from S / \* (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: Werth Well #: 1

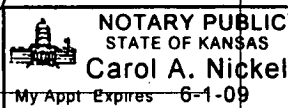
Field Name: Page Creek North  
Producing Formation: Cherokee Sand  
Elevation: Ground: 2203' Kelly Bushing: 2208'  
Total Depth: 4149' Plug Back Total Depth: 4142'  
Amount of Surface Pipe Set and Cemented at 211 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1521 Feet  
If Alternate II completion, cement circulated from 1521  
feet depth to surface w/ 200 Alta-Dig. 11/10/08 <sup>5x cmt</sup>

**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: 7-13-06  
Subscribed and sworn to before me this 13<sup>th</sup> day of July,  
2006.  
Notary Public: Carol A. Nickel  
Date Commission Expires: 6-1-09



**KCC Office Use ONLY**

N Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
Wireline Log Received  
Geologist Report Received  
UIC Distribution

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Operator Name: Hess Oil Company Lease Name: Werth Well #: 1  
 Sec. 16 Twp. 15 S. R. 22  East  West County: Trego

**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>Gamma Ray Correlation</b>	<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"	23#	211'	common	160	2% gel, 3% cc
production	7-7/8"	5-1/2"	14#	4139'	EA-2	150	
					& SMDC	200	

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	4144'-4149'	common	50	

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

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2-7/8"	4050'				
Date of First, Resumerd Production, SWD or Enhr.				Producing Method			
5-17-06				<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	15		110		37		

Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 4139'-4144'

*(If vented, Submit ACO-18.)*

# HESS OIL COMPANY

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

## ACO-1 Completion Form Attachment

**Werth #1**  
**140' S, E/2 SE SW**  
**520' FSL, 2310' FWL, Section 16-15-22W**  
**Trego County, Kansas**  
**API# 15-195-22,335-00-00**

Elevation: 2208' KB

<u>FORMATION</u>	<u>SAMPLE TOP</u>	<u>DATUM</u>
Anhydrite	1559'	( +649')
Base Anhydrite	1599'	( +609')
Heebner	3552'	(-1344')
Toronto	3576'	(-1368')
Lansing	3592'	(-1384')
Stark Shale	3805'	(-1597')
Base Kansas City	3854'	(-1646')
Pawnee	3946'	(-1738')
Fort Scott	4032'	(-1824')
Cherokee Shale	4055'	(-1847')
Cherokee Sand	4139'	(-1931')
RTD	4146'	(-1938')
LTD	4149'	(-1941')
PBTD	4142'	(-1934')

DST #1: Depth: 4055' - 4146'

Times: 15-30-15-30

Blows: IF - good blow BOB in 6 min.  
ISI - blow back building to 1-1/4"  
FF - good blow BOB in 6 min.  
FS - blow back built to 1"

Recoveries: 240' MCO (10% gas, 50% oil, 40% mud)  
120' GO (30% gas, 70% oil)  
480' free oil

Pressures: IH 1999#, IF 58-234#, ISI 1271#, FF 248-377#, FSI 1272#, FH 1896#

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# ALLIED CEMENTING CO., INC.

24184

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

SERVICE POINT:  
Ness City

DATE <u>3-28-06</u>	SEC. <u>16</u>	TWP. <u>15</u>	RANGE <u>22</u>	CALLED OUT <u>2:00 pm</u>	ON LOCATION <u>4:30 pm</u>	JOB START <u>6:30 pm</u>	JOB FINISH <u>7:30 pm</u>
LEASE <u>Weath</u>	WELL # <u>#1</u>	LOCATION <u>1/4 147 jct. north to n/m #6</u>			COUNTY <u>rego</u>	STATE <u>Ks.</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Mallard Drilling  
 TYPE OF JOB Surface Pipe  
 HOLE SIZE 12 1/4 T.D. 211'  
 CASING SIZE 8 5/8 DEPTH 211'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. approx  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER Hess Oil Company

CEMENT  
 AMOUNT ORDERED 160 cu Common 3 1/2" @ 27¢ gal

COMMON	<u>160 cu.</u>	@	<u>9.60</u>	<u>1536.00</u>
POZMIX		@		
GEL	<u>3 cu.</u>	@	<u>15.00</u>	<u>45.00</u>
CHLORIDE	<u>Salt</u>	@	<u>42.00</u>	<u>210.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168 cu.</u>	@	<u>1.70</u>	<u>285.60</u>
MILEAGE	<u>168 mi @ 0.7</u>		<u>30</u>	<u>352.80</u>
TOTAL				<u>2429.40</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Jack  
 # 224 HELPER Jim  
 BULK TRUCK  
 # 341 DRIVER Don  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Run 7 1/2 cu of 8 5/8 cas Cement with 160 cu cement. Displace plug with 3 BRs of fresh bitum.  
Cement Did Air Plug down @ 7:30 pm

Thanks

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

**SERVICE**

DEPTH OF JOB	<u>211'</u>			
PUMP TRUCK CHARGE				<u>735.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>30</u>	@	<u>5.00</u>	<u>150.00</u>
MANIFOLD		@		
		@		
		@		

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TOTAL 885.00

<u>1-8 5/8 Wood</u>	@	<u>55.00</u>	<u>55.00</u>
	@		
	@		
	@		



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



# Invoice

DATE	INVOICE #
4/16/2006	9864

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	#1	Werth	Trego	Mallard Drilling	Oil	Development	Cement 2 Stage ...	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	30	Miles	4.00	120.00
579D	Pump Charge - Two-Stage - 4139 Feet	1	Job	1,600.00	1,600.00
580	Additional Hours	4	Hours	150.00	600.00
281	Mud Flush	500	Gallon(s)	0.75	375.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	26.00	104.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	250.00	250.00T
409-5	5 1/2" Turbolizer	5	Each	78.00	390.00T
402-5	5 1/2" Centralizer	1	Each	60.00	60.00T
403-5	5 1/2" Cement Basket	1	Each	230.00	230.00T
408-5	5 1/2" D.V. Tool & Plug Set	1	Each	2,800.00	2,800.00T
417-5	5 1/2" D.V. Latch Down Plug & Baffle	1	Each	200.00	200.00T
325	Standard Cement	150	Sacks	9.60	1,440.00T
330	Swift Multi-Density Standard (MIDCON II)	200	Sacks	12.00	2,400.00T
284	Calseal	7	Sack(s)	30.00	210.00T
283	Salt	775	Lb(s)	0.20	155.00T
285	CFR-1	70	Lb(s)	4.00	280.00T
276	Flocele	88	Lb(s)	1.25	110.00T
581D	Service Charge Cement	350	Sacks	1.10	385.00
583D	Drayage	529.35	Ton Miles	1.00	529.35
	Subtotal				12,238.35
	Sales Tax Trego County			5.80%	522.23

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<b>We Appreciate Your Business!</b>	<b>Total</b>	<b>\$12,760.58</b>
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JOB LOG

SWIFT Services, Inc.

DATE 4-16-06 PAGE NO. 7

CUSTOMER Hess Oil Co. WELL NO. #1 LEASE Werth JOB TYPE 2-stage TICKET NO. 9864

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1115							on loc w/FE
								5 1/2 x 14 x 4139' x 16'
								Turbos 1, 2, 3, 4, 5
								Cent 62
								Basket Bot 63
								DV Tool Top 63 @ 1521'
								Trks on loc
	1200							st FE
	1400							Brk Circ.
								1st stage
	1515	4	0			200		start Preflushes 500 gal mud flush 20 Bbl KCL flush
	1525	6.5	32/0			350		start Cement 150 sks EA-2
			36					End Cement
								Wash P&L
								Drop Plug
	1535	7	0			150		start Disp water
	1545	7	64			200		mud
	1550		37			1300		Land Plug
								Release pressure
								float held
	1555		0					Drop Opening Plug
	1610		5			1100		Open DV
								Circ 4 hrs
								2nd stage
	1940	2	3/2					Plug RH & MH
	1950	4	0			100		start KCL flush
	1955	7	20/0			150		start Cement 200 sks SMD
	2015		110					End Cement
								Drop Plug
	2020	6	0			700		start Displacement
	2026		37			400 / 1100		Land Plug
								Close DV
								Release Pressure
								DV Closed

Circulated  
 60 sks for PIT

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