

19-33-19W

Form ACO-1
September 1999
Form Must Be Typed

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

COPY

Operator: License # 5663
Name: Hess Oil Company
Address: P. O. Box 1009
City/State/Zip: McPherson, KS 67460
Purchaser: Duke Energy
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 SIOW 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>2/12/02</u>	<u>2/21/02</u>	<u>3/20/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 033-21303-0000County: ComancheAp. S2 N2 Sec. 19 Twp. 33 S. R. 19 East West780 feet from E / N (circle one) Line of Section2650 feet from E / N (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SWLease Name: Baker Farms Well #: 2Field Name: Collier FlatsProducing Formation: MississippiElevation: Ground: 2023' Kelly Bushing: 2028'Total Depth: 5440' Plug Back Total Depth: 5377'Amount of Surface Pipe Set and Cemented at 803 FeetMultiple 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.

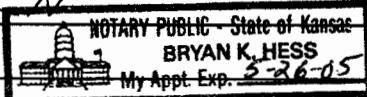
Drilling Fluid Management Plan(Data must be collected from the Reserve Pit) *Ac 1 EH 7-29-02*Chloride content 9,000 ppm Fluid volume 600 bblsDewatering method used transfer

Location of fluid disposal if hauled offsite:

Operator Name: Star ResourcesLease Name: Currier License No.: 32389Quarter E2 Sec. 20 Twp. 32 S. R. 18 East West
County: Comanche Docket No.: D-27668

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: Dick HessTitle: Dick Hess, Pres. Date: 7-9-02Subscribed and sworn to before me this 9th day of July,
2002.Notary Public: Bryan K. HessDate Commission Expires: 3-26-05**KCC Office Use ONLY** Letter of Confidentiality AttachedIf Denied, Yes Date: _____ Wireline Log Received Geologist Report Received

UIC Distribution

Operator Name: Hess Oil Company Lease Name: Baker Farms Well #: 2
 Sec. 19 Twp. 33 S. R. 19 East West County: Comanche

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes No	Log	Formation (Top), Depth and Datum	Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes No	Name	Top	Datum
Cores Taken	Yes <input checked="" type="checkbox"/> No			
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes No			
List All E. Logs Run: Neutron/Density Porosity Radiation Guard				

CASING RECORD <input checked="" type="checkbox"/> New 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
Conductor	17-1/2"	13-3/8"	48#	91'	Class A	100	2% gel, 3% cc
Surface	12-1/4"	8-5/8"	23#	803'	65/35 & CI A	325	2% gel, 3% cc
Production	7-7/8"	4-1/2"	10.5#	5436'	Common	100	

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

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	5300'-5302'	2000 gal. 15% NE FE acid	
3	5356'-5360'	1500 gal. 15% NE FE acid & 3500 gal. 70% nitrogen, then 2000 gal. 15% gelled acid &	
		5000 gal. 70% nitro., then 1000 gal. 15% NE FE acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes	X No
	2-3/8"	5226'				

Date of First, Resumed Production, SWD or Enhr. 5-29-02	Producing Method	Flowing	X Pumping	Gas Lift	Other (Explain)
Estimated Production Per 24 Hours	Oil 0 Bbls.	Gas 130 Mcf	Water 33 Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas	METHOD OF COMPLETION			Production Interval		
<input type="checkbox"/> Vented X Sold <input type="checkbox"/> Used on Lease <i>(If vented, Sumit ACO-18.)</i>	Open Hole	<input checked="" type="checkbox"/> Perf.	Dually Comp.	<input type="checkbox"/> Commingled	5300'-5360'	
	<input type="checkbox"/> Other (Specify)					

ACO-1 Completion Form Attachment

Baker Farms #2
Approx. S/2 N/2 N/2 Section 19-33-19W
Comanche County, Kansas

Sample Tops:

<u>FORMATION</u>	<u>TOP</u>	<u>DATUM</u>
Heebner	4349'	(-2321')
Lansing	4549'	(-2521')
Muncie Creek Shale	4775'	(-2747')
Stark Shale	4919'	(-2891')
Hushpuckney	4970'	(-2942')
Base Kansas City	5044'	(-3016')
Marmaton	5068'	(-3040')
Novinger	5115'	(-3087')
Pawnee	5153'	(-3125')
Fort Scott	5194'	(-3166')
Cherokee Shale	5209'	(-3181')
Mississippi St Louis	5321'	(-3293')
RTD	5440'	(-3412')

DST #1: 5030'-5190'. 20-45-45-60. IF - strong blow, bottom of bucket in 15 min.; FF - blow 8" in bucket.
Rec: 120' slight gas cut mud with oil stains; 150' slight gas cut mud. Pressures: IH 2649#, IF 100-101#, ISI 1610#, FF 170-171#, FSI 1536#, FH 2496#

DST #2: 5240'-5320'. 30-60-60-90. IF - strong blow, bottom of bucket in 2 min.; FF - strong blow, GTS in 7 min. 24.5 MCF/D. Rec: 190' gas cut mud. Pressures: IH 2650#, IF 91-88#, ISI 1530#, FF 105-105#, FSI 1488#, FH 2499#

DST #3: 5324'-5440'. 30-45-60-60. IF - strong blow, bottom of bucket in 1 min.; FF - strong blow, GTS in 10 min. 23 MCF/D. Rec: 300' gas cut mud. Pressures: IH 2436#, IF 92-87#, ISI 1511#, FF 114-111#, FSI 1467#, FH 2552#