

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

19-33-19W

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 ☐ 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>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 - 033-21303-0000
County: Comanche
Ap. S2, N2, N2 Sec. 19 Twp. 33 S. R. 19 ☐ East ☒ West
780 feet from N (circle one) Line of Section
2650 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW
Lease Name: Baker Farms Well #: 2

Field Name: Collier Flats

Producing Formation: Mississippi

Elevation: Ground: 2023' Kelly Bushing: 2028'

Total Depth: 5440' Plug Back Total Depth: 5377'

Amount of Surface Pipe Set and Cemented at 803 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 Acc 1 EH 7-29-02
(Data must be collected from the Reserve Pit)

Chloride content 9,000 ppm Fluid volume 600 bbls

Dewatering method used transfer

Location of fluid disposal if hauled offsite:

Operator Name: Star Resources

Lease Name: Currier License No.: 32389

Quarter 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 Hess

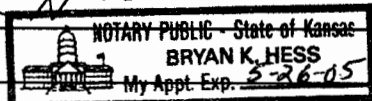
Title: Dick Hess, Pres. Date: 7-9-02

Subscribed and sworn to before me this 9th day of July

2002

Notary Public: Bryan K. Hess

Date Commission Expires: 3-26-05



KCC Office Use ONLY

☒ Letter of Confidentiality Attached

If 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 ☒ Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes No

Cores Taken Yes ☒ No

Electric Log Run ☒ Yes No
 (Submit Copy)

List All E. Logs Run:

Neutron/Density Porosity
 Radiation Guard

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

CASING RECORD ☒ 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:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	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 <input checked="" type="checkbox"/> 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

☐ Vented ☒ Sold ☐ Used on Lease
 (If vented, Sumit ACO-18.)

☐ Open Hole ☒ Perf.

Dually Comp.

☐ Commingled 5300'-5360'

☐ 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#