### Form ACO-1 October 2008 Form Must Be Typed

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION ORIGINAL **WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License #5663	API No. 15 - 083-21601-00-00
Name: Hess Oil Company	Spot Description: Approx
Address 1: P. O. Box 1009	SE _NE _SW _SE _Sec. 17 _Twp. 21 _S. R. 22 East / West
Address 2:	835 Feet from North / South Line of Section
City: McPherson State: KS Zip: 67460 + 1009	1540 Feet from  East /  West Line of Section
Contact Person: Bryan Hess	Footages Calculated from Nearest Outside Section Corner:
620 241.4640	□ NE □ NW ☑ SE □ SW
CONTRACTOR: License # 4958	County: Hodgeman
Name: Mallard JV, Inc. AUG 2 8 2009	Lease Name: Joan Well #: 1
·	Field Name:
Wellsite Geologist: James C. Hess  Purchaser: KCC WICHITA	Producing Formation:
Designate Type of Completion:	Elevation: Ground: 2299' Kelly Bushing: 2304'
New Well Re-Entry Workover	Total Depth: 4472' Plug Back Total Depth:
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set: Feet
Dry Other (Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from:
If Workover/Re-entry: Old Well Info as follows:	feet depth to:w/sx cmt.
Operator:	7A-DIG-9/8/09
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used:
Plug Back: Plug Back Total Depth	
Commingled Docket No.:	Location of fluid disposal if hauled offsite:
Dual Completion	Operator Name:
Other (SWD or Enhr.?) Docket No.:	Lease Name: License No.:
7/24/09 7/31/09 7/31/09	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover or coperate of side two of this form will be held confidential for a period of 12 months if required tiality in excess of 12 months). One copy of all wireline logs and geologist well BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form	nversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information Dested in writing and submitted with the form (see rule 82-3-107 for confiden- I report shall be attached with this form. ALL CEMENTING TICKETS MUST
All requirements of the statutes, rules and regulations promulgated to regulate the are complete and correct to the best of my knowledge.	e oil and gas industry have been fully complied with and the statements herein
Signature: Jupan Hen	KCC Office Use ONLY
Title: President Date: 8/27/09	N James & Care de La Valle De
Subscribed and sworn to before me this 27 <sup>th</sup> day ofAugus†	Letter of Confidentiality Received  If Denied, Yes Date:
20 <u>69</u> .	Wireline Log Received
Notary Public: (Arol A. Nickel A. CAROL A. NICKE	Geologist Report Received

Notary Public - State of Kansas

My Appt. Expires June 1, 2013

\_\_\_ UIC Distribution

Date Commission Expires:

Operator Name: Hess	Oil Company	£1		Lease N	ame: _	loan		_ Well #: _1	
Sec. 17 Twp. 21	S. R. 122	☐ East	✓ West	County:	Hodg	eman			
INSTRUCTIONS: Show time tool open and close recovery, and flow rates surveyed. Attach final g	v important tops and ed, flowing and shul if gas to surface te:	d base of in pressi	formations pendures, whether sl	etrated. De hut-in pressi	tail all c ure read	ores. Report all	, hydrostatic pres	sures, bottom	hole temperature, fluid
Drill Stem Tests Taken (Attach Additional Sh	eets)	<b>✓</b> Y	es 🗌 No				on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	<b></b> ✓ Y	es 🗌 No		Nam	е	1	Тор	Datum
Cores Taken Electric Log Run (Submit Copy)	•		es 📝 No es 📝 No	,			; ; ;		
List All E. Logs Run:									
		Pane	CASING ort all strings set-c	RECORD	✓ Ne	_	tion atc		
Purpose of String	Size Hole	Siz	e Casing	Weigt	nt	Setting	Type of	# Sacks	Type and Percent
Surface	Drilled 12-1/4"	8-5/8"	t (in O.D.)	20 Lbs. / I	rt.	Depth 220'	Cement	150	Additives 2% gel, 3% cc
NEW IN HE			ADDITIONAL	CEMENTIN	G / SOI	IFF7F RECORD			
Purpose:  —— Perforate	Depth Top Bottom	ADDITIONAL CEMENTING / SQUEI  Type of Cement #Sacks Used		Type and Percent Additives					
Protect Casing Plug Back TD Plug Off Zone									
Shots Per Foot			RD - Bridge Plug Each Interval Perf				acture, Shot, Cemer amount and Kind of M		rd Depth
				·	4				
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:	Yes No	)	
Date of First, Resumed Pi	roduction, SWD or Enh	ır.	Producing Meth	nod:	Flowing	g Dumpi	ing 🔲 Gas L	ift 🗌 Oth	ner ( <i>Explain</i> )
Estimated Production Per 24 Hours	Oil I	3bls.	· Gas	Mcf	Wat	er E	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION	_			METHOD OF				PRODUCTI	ON INTERVAL: .
Vented Sold (If vented, Subm	Used on Lease	_ =	Open Hole [ Other (Specify)	Perf	NICK	OOF CAROLA.  CAROLA.  Votov Public - S	mmingled		

# QUALITY OILWELL CEMENTING, INC.

P.Hone 785-483-2025 Cell 785-324-1041	Home Office P.O. B	ox 32 Russell, KS 67665	, No.	3373
Sec	Twp. Range	County State	i On Location	⊹⊱inish
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Holé Size	T.D. 222	cementer and helper to assist own	ner or contractor to de	o work∞as listed. ⊱
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Tool	Depth	The above was done to satisfaction ar	nd supervision of owner	agent or contractor.
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# QUALITY OILWELL CEMENTING, INC.

* None:785-483-2025 Cell 785-324-1041	Hom	e Office P.Q. E	lox 32 Russell	KS.67665	No.	Manager
Sec.	Twp.	Range	County	State	On Location	Finish
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P.O. BOX 1009 McPHERSON, KANSAS 67460-1009 (620) 241-4640

### **ACO-1 Completion Form Attachment**

Joan #1 Approx. SE NE SW SE 835' FSL, 1540' FWL, Section 17-21-22W Hodgeman County, Kansas API# 15-083-21601-00-00

Elevation: 2304' KB

<b>FORMATION</b>	SAMPLE TOP	<b>DATUM</b>
Anhydrite	1476'	(+828')
Base Anhydrite	1513'	(+791')
Heebner	3794'	(-1490')
Lansing	3847'	(-1543')
Marmaton	4207'	(-1903')
Pawnee	4293'	(-1989')
Fort Scott	4358'	(-2054')
Cherokee Shale	4449'	(-2145')
Mississippi	4466'	(-2162')
RTD	4472'	(-2168')

RECEIVED AUG 2 8 2009 KCC WICHITA

**DST #1** 

Depth:

4350' - 4390'

4.4

4423' - 4453'

Times:

30-30-0-0

<u>Times</u>:

Depth:

**DST #2:** 

45-45-5-0

Blows:

IF - surface blow - died 9 min

Blows:

IF - 1/4" blow - died 33 min

ISI – no blow back

ISI – no blow back FF – no blow

131 - HO DIOW Dat

Recoveries:

5' Mud

Pressures:

IH 2228#, IF 33-36#, ISI 53#

FF ---, ISI ---, FH 2156#

Recoveries:

15' Mud

Pressures:

IH 2280#, IF 24-31#, ISI 503#

FF 34-33#, FSI ---, FH 2184#

## **HESS OIL COMPANY**

225 N. Market, Suite 300 Wichita, Kansas 67202

(316) 263-2243

### GEOLOGICAL REPORT

RECEIVED

AUG 2 8 2009

KCC WICHITA

JOAN #1

835' FSL, 1540' FEL of

Section 17 - 21S - 22W

Hodgeman County, Kansas

Commenced:

7-24-09

Elevations: 2299' GR,

2299' GR, 2304' KB

Completed:

7-31-09

Surface Pipe: 8-5/8" @ 220' KB

Contractor:

Mallard J.V.

Production Pipe:

none

One foot drilling time was kept from 1440' to 1540' KB and from 3600' to rotary total depth. Ten foot drilling samples (wet & dry) were kept from 4200' to RTD.

Following are sample tops, descriptions of zones of interest (including all shows of oil & gas), and the results of all drill stem tests.

ANHYDRITE	1476	( +828)
BASE ANHYDRITE	1513	( +791)
HEEBNER	3794	(-1490)
LANSING	3847	(-1543)

### **HESS OIL COMPANY**

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AUG 2 8 2009

Joan #1

Page 2

KCC WICHITA

MARMATON 4207 (-1903)

PAWNEE 4293 (-1989)

FORT SCOTT 4358 (-2054)

4378-82' KB Cream, very fine to finely crystalline, dense,

slightly oolitic, limestone. Weak show of free oil in poor intercrystalline porosity, no odor,

slight stain, and a weak cut.

Drill Stem Test #1 4350 to 4390' KB 40' Anchor

Blow: Weak surface blow - died in 9 min.

Times: Open 30, Closed 30, Open 0, Closed 0.

Recovered: 5' Mud

Pressures: IH 2148# IF 33 - 36# ISIP 53#

FH 2088# FF --- FSIP ---

MISSISSIPPI WARSAW 4449 (-2145)

<u>Drill Stem Test #2</u> 4423 to 4453' KB 30' Anchor

Blow:  $\frac{1}{4}$ " -- died in 33 min. 2nd openning - no blow.

Times: Open 45, Closed 45, Open 5, Closed 0.

Recovered: 15' Mud

Pressures: IH 2187# IF 24 - 31# ISIP 503#

FH 2137# FF 34 - 34# FSIP ---

MISSISSIPPI OSAGE 4466 (-2162)

ROTARY TOTAL DEPTH 4472 (-2168)

It was decided to plug the Joan #1, since all oil shows had been tested. No logs were needed and our TD was too low to continue.

James C. Hess Geologist