

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

COPY

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 ☐ 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. _____

4/9/03 4-16-03 4-17-03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 135-24218-0000

County: Ness

90' N. W2 W2 SW Sec. 5 Twp. 16 S. R. 22 ☐ East ☒ West

1410 feet from (S) N (circle one) Line of Section

330 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW (SW)

Lease Name: Sue Well #: 1

Field Name: Waring

Producing Formation: _____

Elevation: Ground: 2422' Kelly Bushing: 2427'

Total Depth: 4470' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 207 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 cmf.

Drilling Fluid Management Plan See 11 Apr 6-13-03
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used evaporation

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.

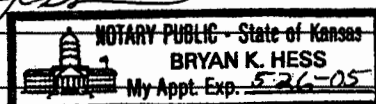
Signature: Bryan Hess

Title: President Date: 5/30/03

Subscribed and sworn to before me this 30th day of May, 2003

Notary Public: Bryan Hess

Date Commission Expires: _____



KCC Office Use ONLY

N Letter of Confidentiality Attached

If Denied, Yes ☐ Date: _____

X Wireline Log Received

X Geologist Report Received

____ UIC Distribution

Operator Name: Hess Oil Company Lease Name: Sue Well #: 1
 Sec. 5 Twp. 16 S. R. 22 ☐ East ☒ West County: Ness

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:

**Dual compensated Porosity, Dual Induction,
 Borehole Compensated Sonic**

☐ 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
Surface	12-1/4"	8-5/8"	20	207	70/30 pozmix	150	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 ☐ Yes ☐ No
Date of First, Resumed Production, SWD or Enhr.	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ 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

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

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

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

ACO-1 Completion Form Attachment

Sue #1

90' N of W2 W2 SW, Section 5-16-22W

Ness County, Kansas

Elevation: 2427' KB

<u>FORMATION</u>	<u>LOG TOP</u>	<u>DATUM</u>
Anhydrite	1770'	(+657')
Base Anhydrite	1809'	(+618')
Heebner	3786'	(-1359')
Toronto	3805'	(-1378')
Lansing	3824'	(-1397')
Stark Shale	4041'	(-1614')
Base Kansas City	4092'	(-1665')
Marmaton	4123'	(-1696')
Pawnee	4192'	(-1765')
Fort Scott	4276'	(-1849')
Cherokee Shale	4299'	(-1872')
Mississippi	4405'	(-1978')
RTD	4470'	(-2043')

RECEIVED
JUN 02 2003
KCC WICHITA

- DST #1: Depth: 4300'-4380'. Times: 30-45-30-45. Blows: IF - weak, building to 3/4"; ISI - weak surface blow. Recoveries: 15' mud w/show of oil on top. Pressures: IH 2154#, IF 23-29#, ISI 687#, FF 31-34#, FSI 779#, FH 2084#
- DST #2: Depth: 4300'-4385'. Times: 30-45-30-45. Blows: IF - weak steady 3/4" blow; ISI - weak steady 1/4" blow. Recoveries: 60' slightly OCM (3% oil, 97% mud); 120' HOCM (20% oil, 80% mud); 5' CO. Pressures: IH 2156#, IF 30-63#, ISI 1251#, FF 71-100#, FSI 1251#, FH 2110#
- DST #3: Depth: 4296'-4390'. Times: 15-15-0-0. Blows: IF - strong BOB in 1 min 15 sec. Recoveries: 1550' muddy water. Pressures: IH 2133#, IF 287-520#, ISI 1240#, FF none, FSI none, FH 2112#