

ORIGINAL

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

1-13-03

Operator: License # 5663
Name: Hess Oil Company
Address: P. O. Box 1009
City/State/Zip: McPherson
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 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>12-2-02</u>	<u>12-8-02</u>	<u>12-9-02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 135-24200-0000
County: Ness
Approx: C NWNE Sec. 34 Twp. 16 S. R. 23 East West
730 feet from N (circle one) Line of Section
2090 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: FernAnn Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2450' Kelly Bushing: 2455'
Total Depth: 4530' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 210 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 P&A'ed 1-21-03
(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: Dick Hess
Title: Dick Hess, Pres. Date: 1-10-03
Subscribed and sworn to before me this 10th day of January, 2003
Notary Public: Bryan K. Hess
Date Commission Expires: _____
NOTARY PUBLIC
BRYAN K. HESS
My Appt. Exp. 5-26-05

KCC Office Use ONLY
NO Letter of Confidentiality Attached
If Denied, Yes Date: _____
YES Wireline Log Received
YES Geologist Report Received
____ UIC Distribution

Operator Name: Hess Oil Company Lease Name: FernAnn Well # 21111111
 Sec. 34 Twp. 16 S. R. 23 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 <input checked="" type="checkbox"/> Yes No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes No Cores Taken Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes No <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction, Compensated Density/Neutron, Sonic	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">Log Name</th> <th style="width:55%;">Formation (Top), Depth and Datum</th> <th style="width:30%;">Sample Top Datum</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Log Name	Formation (Top), Depth and Datum	Sample Top Datum			
Log Name	Formation (Top), Depth and Datum	Sample Top Datum					

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
Surface	12-1/4"	8-5/8"	25#	210'	60/40 poz	140	2%gel, 3%cc

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

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 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
(If vented, Sumit ACO-18.) Other (Specify) _____

ORIGINAL

ACO-1 Completion Form Attachment

FernAnn #1
Approx. C NW NE, Section 34-16-23W
Ness County, Kansas

COPIED
RECORDED

Elevation: 2455' KB

Sample Tops:

<u>FORMATION</u>	<u>TOP</u>	<u>DATUM</u>
Anhydrite	1784'	(+671')
Base Anhydrite	1818'	(+637')
Heebner	3837'	(-1382')
Toronto	3856'	(-1401')
Lansing	3872'	(-1417')
Base Kansas City	4158'	(-1703')
Pawnee	4264'	(-1809')
Fort Scott	4346'	(-1891')
Cherokee Shale	4369'	(-1914')
Mississippi	4458'	(-2003')
RTD	4530'	(-2075')

DST #1: Depth: 4365'-4445'. Times: 30-45-45-60. Blows: IF - weak surface blow died in 25 min; FF - no return blow. Recoveries: 10' slightly spotted mud. Pressures: IH 2233#, IF 25-31#, ISI 95#, FF 32-35#, FSI 64#, FH 2195#

DST #2: Depth: 4365'-4463'. Times: 60-45-60-45. Blows: IF - Surface blow built to 3"; FF - weak 1/2" blow throughout. Recoveries: 190' muddy water (60% water, 40% mud). Pressures: IH 2261#, IF 29-75#, ISI 843#, FF 80-109#, FSI 794#, FH 2172#

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ALLIED CEMENTING CO., INC. 13058

Federal Tax I.D.# 48-0727860

ORIGINAL

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

SERVICE POINT:

Ness City

DATE <i>12-2-02</i>	SEC. <i>34</i>	TWP. <i>16</i>	RANGE <i>23</i>	CALLED OUT <i>8:15 AM</i>	ON LOCATION <i>11:15</i>	JOB START <i>12:30</i>	JOB FINISH <i>1:00 PM</i>
LEASE <i>Farm ANN</i>		WELL # <i>1</i>		LOCATION <i>Ness City 12 North 2 1/2 E</i>		COUNTY <i>Ness</i>	STATE <i>Ka.</i>
OLD OR <u>(NEW)</u> (Circle one)			<i>1/4 south</i>				

CONTRACTOR *Mallard*
 TYPE OF JOB *Surface*
 HOLE SIZE *12 1/4* T.D. *210'*
 CASING SIZE *8 5/8 24"* DEPTH *210'*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. *15'*
 PERFS. *X*
 DISPLACEMENT *12 1/4 bbls*

OWNER *Hess Oil*
 CEMENT
 AMOUNT ORDERED *140 cu 60/40 poz*
2% GEL 3% CC

COMMON	<i>84 cu.</i>	@	<i>6.65</i>	<i>558.60</i>
POZMIX	<i>56 cu.</i>	@	<i>3.55</i>	<i>198.80</i>
GEL	<i>2 cu.</i>	@	<i>10.00</i>	<i>20.00</i>
CHLORIDE	<i>4 cu.</i>	@	<i>30.00</i>	<i>120.00</i>

EQUIPMENT

HB
 PUMP TRUCK CEMENTER *Jim Druehling*
 #120 HELPER *Jim W.*
 BULK TRUCK
 #260 DRIVER *Steve T.*
 BULK TRUCK
 # DRIVER

HANDLING	<i>146 cu.</i>	@	<i>1.10</i>	<i>160.60</i>
MILEAGE	<i>15</i>		<i>Min.</i>	<i>100.00</i>
TOTAL				<i>1158.00</i>

REMARKS:

SERVICE

*Ran 8 5/8 surface to bottom
 Circulate with rig mud.
 Hook up to pump tank & mixed
 140 cu 60/40 poz 2% gel 3% CC.
 Shut down change valves over release
 8 5/8 wiper plug & displaced with 12 1/4 bbls
 fresh #20. Shut in at manifold.
 Cement did circulate. ✓*

DEPTH OF JOB	<i>210'</i>			
PUMP TRUCK CHARGE				<i>520.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>15</i>	@	<i>3.00</i>	<i>45.00</i>
PLUG	<i>1.8 5/8 TWP.</i>	@	<i>45.00</i>	<i>45.00</i>

TOTAL *610.00*

CHARGE TO: *Hess Oil Company*
 STREET *225 N. Market Suite 300*
 CITY *Wichita* STATE *Kansas* ZIP *67202*

FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment

TOTAL

ALLIED CEMENTING CO., INC.

7860

Federal Tax I.D.# 48-0727860

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

ORIGINAL

SERVICE POINT:

Neosho

DATE <u>12-8-02</u>	SEC. <u>34</u>	TWP. <u>16</u>	RANGE <u>23</u>	CALLED OUT <u>7:30 pm</u>	ON LOCATION <u>10:40 pm</u>	JOB START <u>11:45 pm</u>	JOB FINISH <u>1:40 AM</u>
LEASE <u>Term Ann</u>	WELL # <u>1</u>	LOCATION <u>Neosho City 12N 2 1/2 E S.S.</u>			COUNTY <u>Neosho</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Mallard Drilling</u>
TYPE OF JOB <u>Rotary Plus</u>
HOLE SIZE <u>7 7/8</u> T.D. <u>4530</u>
CASING SIZE _____ DEPTH _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS. _____
DISPLACEMENT _____

OWNER <u>Same.</u>
CEMENT AMOUNT ORDERED
<u>205 60/40 60/40</u>
<u>1/4" # 710 Seal per sq.</u>
COMMON <u>123</u> @ <u>6.65</u> <u>817.95</u>
POZMIX <u>82</u> @ <u>3.55</u> <u>291.10</u>
GEL <u>12</u> @ <u>10.00</u> <u>120.00</u>
CHLORIDE _____ @ _____
<u>Flo Seal 51</u> @ <u>1.40</u> <u>71.40</u>
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING <u>217</u> @ <u>1.10</u> <u>238.70</u>
MILEAGE <u>15.217.4</u> <u>130.20</u>
TOTAL <u>1669.35</u>

EQUIPMENT

PUMP TRUCK # <u>224</u>	CEMENTER <u>A. Weighman</u>
BULK TRUCK # <u>342</u>	DRIVER <u>Steve</u>
BULK TRUCK # _____	DRIVER _____

REMARKS:

<u>50 x e 1820'</u>
<u>80 x e 1100</u>
<u>40 x e 550</u>
<u>10 x e 40</u>
<u>15 x RH.</u>
<u>10 x MH.</u>
<u>Thanks</u>

SERVICE

DEPTH OF JOB <u>1820</u>
PUMP TRUCK CHARGE <u>570.00</u>
EXTRA FOOTAGE _____ @ _____
MILEAGE <u>15</u> @ <u>3.00</u> <u>45.00</u>
PLUG <u>Tapwood</u> @ <u>23.00</u> <u>23.00</u>
_____ @ _____
_____ @ _____
TOTAL <u>588.00</u>

CHARGE TO: Neosho Oil Co. Inc.
STREET P.O. Box 1099
CITY McPherson STATE Ks. ZIP 67460

FLOAT EQUIPMENT

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____