

SIDE ONE

01-15-11A

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

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 (316) 241-4640

Contractor: Name: MALLARD JV, INC.

License: #4958

Wellsite Geologist: JAMES C. HESS STATE COMMISSIONER

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

1-17-91 1-23-91 1-23-91
Spud Date Date Reached TD Completion Date

API NO. 15- 063-21,368 00-00

County GOVE

NE NE NE Sec. 24 Twp. 14 Rge. 27 East West

4950 Ft. North from Southeast Corner of Section

330 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

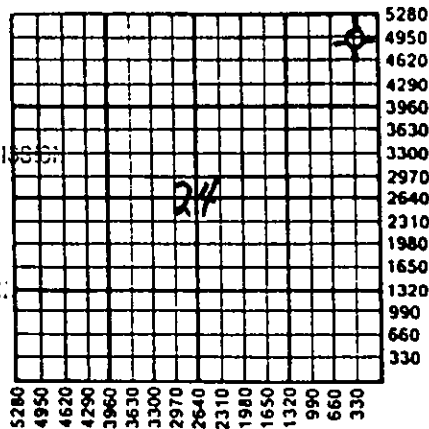
Lease Name WARD Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 2489' KB 2497'

Total Depth 4410' PBTD _____



Amount of Surface Pipe Set and Cemented at 211 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 [Signature]
Title DICK HESS, VICE-PRESIDENT Date 2-15-91

Subscribed and sworn to before me this 15 day of FEBRUARY, 19 91.

Notary Public [Signature]

Date Commission Expires 2



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name HESS OIL COMPANY Lease Name WARD Well # 1
 Sec. 24 Twp. 14 Rge. 27 East West
 County GOVE

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">DATUM</th> </tr> </thead> <tbody> <tr><td>ANHYDRITE</td><td>1955</td><td>(+542)</td></tr> <tr><td>B/ANHYDRITE</td><td>1995</td><td>(+502)</td></tr> <tr><td>HEEBNER</td><td>3728</td><td>(-1231)</td></tr> <tr><td>LANSING</td><td>3767</td><td>(-1270)</td></tr> <tr><td>STARK SHALE</td><td>4006</td><td>(-1509)</td></tr> <tr><td>B/KC</td><td>4057</td><td>(-1560)</td></tr> <tr><td>PAWNEE</td><td>4198</td><td>(-1701)</td></tr> <tr><td>FORT SCOTT</td><td>4259</td><td>(-1762)</td></tr> <tr><td>CHER. SHALE</td><td>4290</td><td>(-1793)</td></tr> <tr><td>MISSISSIPPI</td><td>4381</td><td>(-1884)</td></tr> <tr><td>R.T.D.</td><td>4410</td><td>(-1913)</td></tr> </tbody> </table>	Name	Top	DATUM	ANHYDRITE	1955	(+542)	B/ANHYDRITE	1995	(+502)	HEEBNER	3728	(-1231)	LANSING	3767	(-1270)	STARK SHALE	4006	(-1509)	B/KC	4057	(-1560)	PAWNEE	4198	(-1701)	FORT SCOTT	4259	(-1762)	CHER. SHALE	4290	(-1793)	MISSISSIPPI	4381	(-1884)	R.T.D.	4410	(-1913)
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CASING RECORD New Used R.T.D.

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	211	60/40 POZ	145	2%GEL, 3%CC

Shots Per Foot	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 Production _____ 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 (If vented, submit ACO-18.)

METHOD OF COMPLETION Production Interval

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

15-063-21368-00-00

MALLARD JV, INC.
P. O. BOX 1009
McPHERSON, KS 67460

D R I L L E R S L O G

OPERATOR: Hess Oil Company P. O. Box 1009 McPherson, KS 67460	WELL: Ward #1 API #: 15-063-21,368
COMMENCED: January 17, 1991	LOCATION: NE NE NE
COMPLETED: January 23, 1991	4950 FT. FSL, 330 FT FEL
TOTAL DEPTH: 4410 FT.	SEC. 24 TWP. 14 RGE. 27 W
ELEVATION: 2489 FT. GL, 2497 FT. KB	COUNTY: Gove

STATUS: D & A - Mississippi Formation

Size Hole Drilled: 12-1/4" x 215'
 Surface Casing: 8-5/8" x 20# x 201' (5 jts.)
 Set At: 211'
 Cement: 145 sacks 60/40 Pozmix, 2% gel, 3% cc
 P.D.: 7:30 p.m. 1/17/91

Size Hole Drilled: 7-7/8" x 4410'
 Plugged Hole With: 25 sacks @ 1960'
 100 sacks @ 930'
 40 sacks @ 260'
 10 sacks @ 40'
 15 sacks rathole
 10 sacks mousehole
 200 sacks total - 60/40 Pozmix, 6% gel, 3% cc
 P.D.: 8:00 p.m. 1/23/91

RECEIVED
STATE COMMISSION
MAR 20 1991
CONSERVATION DIVISION
Wichita, Kansas

Drill Stem Tests: None Electric Log: Yes

CERTIFICATE

Dick Hess, Vice-President of Mallard JV, Inc., hereby certifies that this is a true and correct copy of the log of the following well, as reflected by the files of Mallard JV, Inc.: Ward #1

Dick Hess

 Dick Hess, Vice-President

STATE OF KANSAS)
 COUNTY OF MCPHERSON) ss.

Subscribed and sworn to before me this 30th day of January, 1991.



Bryan K Hess

 Bryan K. Hess, Notary Public

15-063-21368-00-00

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No. 7222

Home Office P. O. Box 31

Russell, Kansas 67665

Date: 17.91	Sec.	Twp.	Range	Called Out: 4:15 P	On Location: 5:30 P	Job Start: 9:00	Finish: 7:30
Case: 151-100-1-1	Well No.	Location: 15N 14W 12E			County: Chase	State: KS	

Contractor: <i>W. J. ...</i>	Owner: <i>...</i>
Type Job: <i>...</i>	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Core Size: <i>12 1/4</i> T.D. <i>215</i>	Charge To: <i>...</i>
sg. <i>8 5/8</i> Depth <i>211</i>	Street:
bg. Size: Depth:	City: State:
Drill Pipe: Depth:	The above was done to satisfaction and supervision of owner agent or contractor
Tool: Depth:	Purchase Order No.:
Cement Left in Csg. <i>15</i> Shoe Joint:	X <i>...</i>
Press Max. Minimum:	
Leas Line Displace <i>x 12.75</i>	

EQUIPMENT

Emptrk 120	No. Cementer	<i>Wes</i>
	Helper	<i>Brad</i>
Emptrk	No. Cementer	
	Helper	
ulkrk 69	Driver	<i>Jack</i>
ilkrk	Driver	

DEPTH of Job	Reference:	
	<i>...</i>	
	<i>...</i>	
	<i>...</i>	
	Sub Total	
	Tax	
	Total	

Remarks: *...*

CEMENT	
Amount Ordered: <i>145</i>	<i>...</i>
Consisting of	
Common	RECEIVED
Poz. Mix	STATE COMMISSION
Gel.	
Chloride	MAR 20 1941
Quickset	
Sales Tax	
Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

15-063-21368-00-00

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. N^o 9126

Home Office P. O. Box 31

Russell, Kansas 67665

Rate	1-213-911	Sec.	4	Twp.	14	Range	21	Called Out	4:00 PM	On Location	6:10 AM	Job Start	6:30 PM	Finish	8:00 PM
Case	Wood	Well No.	1	Location	Rt 15 N 1 W 15			County	Wood	State	KS				

Contractor	M. J. Halliday, J.V.	Owner	Same
Type Job	Rotary 1 1/2"	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Cole Size	7 1/8	T.D.	12110
sg.		Depth	
bg. Size		Depth	
Drill Pipe	4 1/2"	Depth	1960
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	
Leas Line		Displace	
Ref.			

EQUIPMENT

umptrk	No. 158	Cementor	SKIS
		Helper	JOHAN
umptrk	No.	Cementor	
		Helper	
ulktrk	60	Driver	CHAD
ulktrk		Driver	

DEPTH of Job

Reference:	umptrk ch -	
	17. 1000	
	1 4 1/2 0 1/2	
		Sub Total
		Tax
		Total

Remarks:

1" 255x AT 1960
2" 1000 AT 930
3" 1000 AT 200
155x R.H. 105x ALH 105x
4 1/2"

Charge To	11000 O.L. CO.
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	
CEMENT	
Amount Ordered	2000 0/406 7/20 17/1000
Consisting of	
Common	RECEIVED
Poz. Mix	STATE COMMISSION
Gel.	
Chloride	
Quickset	MAR 20 1991
CONSERVATION DIVISION Wichita, Kansas Sales Tax	
Handling	
Mileage	
	Sub Total
	Total
Floating Equipment	