

Plugged 7-4-89

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION 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: License # 4958
Name Mallard JV, Inc.

Wellsite Geologist Beth A. Fuhr
Phone 316-263-2243

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

If OMWO: old well info as follows:
Operator.....
Well Name.....
Comp. Date.....Old Total Depth.....

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
6-28-89 7-4-89 7-4-89
Spud Date Date Reached TD Completion Date
4366' PBDT
Total Depth

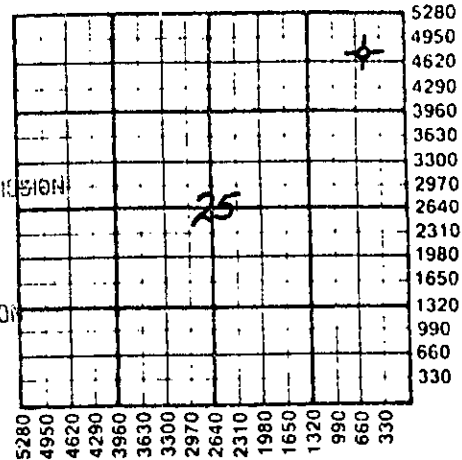
Amount of Surface Pipe Set and Cemented at 208 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmt
Cement Company Name.....
Invoice #.....

ATI D&O

API NO. 15-063-21,270 -00-00
County Gove
Appx. NE NE Sec. 25 Twp. 14 Rge. 27 East
4630 Ft North from Southeast Corner of Section
600 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Groom Well # 1
Field Name
Producing Formation
Elevation: Ground 2452' KB 2420'

Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #.....
 Groundwater 4630 Ft North from Southeast Corner
(Well) 600 Ft West from Southeast Corner of
Sec 25 Twp 14 Rge 27 East West
(Drilled by Aqua Drilling, Gove, KS)
 Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain).....
(purchased from city, R.W.D. #)

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. 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 Date 8-1-89

Subscribed and sworn to before me this 1st day of August 1989
Notary Public Bryan K. Hess
Date Commission Expires 5-26-93



K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Sec. Twp. Rge.

PI

Operator Name Hess Oil Company Lease Name Groom Well # 1

Sec. 25 Twp. 14 Rge. 27 East West County Gove

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1: 4245' - 4350'. Times: 45-45-45-45.
 1st open weak to fair blow 10" in bucket.
 2nd open weak to fair blow, 3". Recovered 20' free oil 350' drilling mud w/scum of oil.
 Pressures: IF 66-133, FF 167-178, ISIP 835, FSIP 757, HYD 2136-2114. Temp 121.

DST #2: 4246' - 4366'. Times: 60-45-90-45.
 1st open fair blow, bottom of bucket in 40".
 2nd open weak to fair blow, 10" in bucket.
 Recovered 400' of drilling mud, few oil specks.
 Pressures: IF 66-133, FF 167-178, ISIP 791, FSIP 691, HYD 2147-2120. Temp 121.

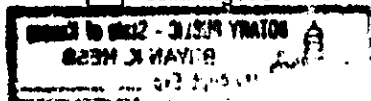
Name	Top	Bottom
Anhydrite	1930	(+531)
B/Anhydrite	1968	(+493)
Heebner	3692	(-1231)
Lansing	3728	(-1267)
B/KC	4021	(-1560)
Marmaton	4032	(-1571)
Pawnee	4164	(-1703)
Fort Scott	4223	(-1762)
Cherokee Shale	4248	(-1787)
Mississippi	4316	(-1855)
R.T.D.	4366	(-1905)
L.T.D.	4367	(-1906)

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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 1/2"	8-5/8"	20	208'	60/40poz	140	3%cc, 2%gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify).....
 Used on Lease Dually Completed Commingled



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

15-063-21270-00-00

DRILLERS' LOG

OPERATOR: HESS OIL COMPANY
P.O. Box 1009
McPherson, KS 67460

WELL: Groom #1

API#: 15-063-21,270

COMMENCED: June 28, 1989

LOCATION: Appx. NE NE

COMPLETED: July 4, 1989

4630 Ft. FSL, 600 Ft. FEL

TOTAL DEPTH: 4366 Ft.

SEC. 25 TWP. 14 S RGE. 27 W

ELEVATION: 2452 Ft. G.L.

COUNTY: Gove

2420 Ft. K.B.

REMARKS

Cut 12 1/4" hole to 210' and ran 5 joints 8-5/8" x 20# x 200.25' surface casing. Set at 207.75' and cemented with 140 sacks 60/40 Pozmix, 3% cc, 2% gel. P.D. @ 6:30 a.m. 6-28-89.

Ran 2 DSTs and electric log.

R.T.D. Mississippi formation. Plugged hole with 195 sacks 60/40 Pozmix, 6% gel as follows:

- 20 sx @ 1950'
- 100 sx @ 927'
- 40 sx @ 260'
- 10 sx @ 40' w/wiper plug
- 15 sx R.H., 10 sx M.H. P.D. @ 6:00 p.m. 7-4-89.

STATE OF KANSAS)
COUNTY OF MCPHERSON) SS:

I, GEORGE R. HESS of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Groom #1 well as reflected by the files of Mallard JV, Inc.

George R Hess
GEORGE R. HESS, PRESIDENT

Subscribed and sworn to before me this 12th day of July, 1989.

5-26-93
My Appt. Exp.



Bryan K Hess
NOTARY PUBLIC