

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

COPY

API NO. 15- 065-22,687-00-00

County Graham

160' E of NW SW Sec. 23 Twp. 6 Rge. 24 X E

2310 Feet from S (circle one) Line of Section

1150 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or S (circle one)

Lease Name HARDMAN Well # 1

Field Name

Producing Formation

Elevation: Ground 2438' KB 2446'

Total Depth 3940' PBTD

Amount of Surface Pipe Set and Cemented at 255 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 ALT 2 DR 10-9-92
(Data must be collected from the Reserve Pit)

Chloride content 7,000 ppm Fluid volume 80 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 5663

Name: Hess Oil Company

Address P.O. Box 1009
McPherson, KS 67460

City/State/Zip

Purchaser:

Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Mallard JV, Inc.

License: 4995

Wellsite Geologist: James C. Hess

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

X Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingle Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

7-25-92 7-31-92 7-31-92

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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.

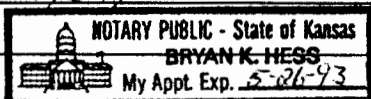
Signature Dick Hess

Title Vice-President Date 8-31-92

Subscribed and sworn to before me this 31 day of August 19 92.

Notary Public Bryan Hess

Date Commission Expires



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

SIDE TWO

Operator Name Hess Oil CompanyLease Name HARDMANWell # 1Sec. 23 Twp. 6 Rge. 24☐ East
☒ WestCounty Graham

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
 (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: Radiation Guard Log
☐ Log Formation (Top), Depth and Datums ☐ Sample
 Name Top Datum

* (See Attached)

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#	255'	60/40 Poz	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 Inj.	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) _____

HESS OIL COMPANY

COPY

P.O. BOX 1009
McPHERSON, KANSAS 67460-1009
(316) 241-4640

HARDMAN #1

2310' FSL, 1150' FWL OF Section 23-6S-24W
Graham County, Kansas

FORMATION SAMPLE TOPS

Anhydrite	2149'	(+ 296')
Base Anhydrite	2183'	(+ 262')
Topeka	3469'	(-1024')
Heebner	3672'	(-1227')
Lansing	3713'	(-1268')
Base Kansas City	3894'	(-1449')
RTD	3940'	(-1495')

DST #1: 3704'-3750'. 60-45-60-45. Strong blow, bottom of the bucket in 3 minutes. Recovered 2750' of Muddy Salt Water w/oil scum. IH-1872, IF-250-1190, ISIP-1295, FH-1862, FF-1286-1295, FSIP-1295.

DST #2: 3804'-3899'. 30-30-0-0. Weak surface blow - died in 18 minutes. Recovered 10' Mud. IH-1959, IF-76-76, ISIP 548, FH-1940, FF-None, FSIP-None.

DST #3: 3704'-3728'. 60-45-60-45. 1st Opening - building blow, bottom of the buck in 8 minutes. 2nd Opening - Bottom of the bucket in 12 minutes. Recovered 12' oil and 1258' of Salt Water w/ oil specs. IH-1969, IF-134-384, ISIP-980, FH-1862, FF-442-576, FSIP-980.

RECEIVED
STATE CORPORATION COMMISSION

SEP 1 1992

CONSERVATION DIVISION
McPHERSON, KANSAS