

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

ORIGINAL

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

New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 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 _____ PBTB
 Commingled _____ 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

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

County Graham

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

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 SW (circle one)

Lease Name HARDMAN Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 2438' KB 2446'

Total Depth 3940' PBTB _____

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 SLP 2 DR 10-9-92
(Data must be collected from the Reserve Pit) D&A

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. _____

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.

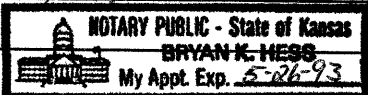
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

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 _____



RECEIVED 9-1-92
K.C.C. STATE CORPORATION COMMISSION
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution KCC SWR/R.R. Kansas NGPA Plug Other (Specify)
1002

PI

Operator Name Hess Oil Company Lease Name HARDMAN Well # 1
 Sec. 23 Twp. 6 Rge. 24 East County Graham
 West

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 Datum Sample
 Name Top Datum
 * (See Attached)

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 1/4"	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
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	

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
<u>DRY</u>					

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval _____

ORIGINAL

HESS OIL COMPANY

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
9-1-92
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

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.

Home Office P. O. Box 31

Russell, Kansas 67665

2091

Date	7-25-92	Sec.		Range		Called Out	5:45 P.M.	On Location	9:00 P.M.	Job Start	10:00 P.M.	Finish	10:30 P.M.
Lease		Well No.		Location	Penokee 10 1/2 N 1/4 E	County	Graham	State	Ks.				
Contractor	Mallard Joint Venture, Inc. Rig #1												
Type Job	Set Surface Pipe ✓												
Hole Size	12 1/4"	T.D.	260'										
Csg.	8 7/8"	Depth	255'										
Tbg. Size		Depth											
Drill Pipe		Depth											
Tool		Depth											
Cement Left in Csg.	15'	Shoe Joint											
Press Max.		Minimum											
Meas Line		Displace	X										
Perf.													

Owner Same
To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish
cement and helper to assist owner or contractor to do work as listed.

Charge To Hess Oil
Street
City State
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X *Talton R. Usher*

CEMENT

Amount Ordered 150 sks 60/40 poz. 2 bags, 3 loc.c.

Consisting of
Common
Poz. Mix
Gel.
Chloride
Quickset

Sales Tax
Handling 21.00/sk.
Mileage 204 + 1/sk./mi.
Sub Total
Total

EQUIPMENT

Pumptrk	No.	Cementer	Gary H. Marlyn K.
	191	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk #212		Driver	Joe S.
		Driver	

DEPTH of Job

Reference: #1	Pumptruck-surface	380.00
#13	mileage 2.00/mi.	
	1- 8 7/8" wooden plug	
	Sub Total	
	Tax	
	Total	

Remarks: Cement Circulated.

Floating Equipment
Thanks

RECEIVED
STATE CORPORATION COMMISSION

SEP 1 1992

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

ALLIED CEMENTING CO., INC.

No 2331

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date <i>7-31-92</i>	Sec. <i>23</i>	Twp. <i>6</i>	Range <i>24</i>	Called Out <i>1:30 AM</i>	On Location <i>6:15 AM</i>	Job Start <i>6:30 AM</i>	Finish <i>9:00 AM</i>
Lease <i>Hardman</i>	Well No. <i>1</i>	Location <i>Hill City 8N 6W</i>			County <i>Graham</i>	State <i>Ks</i>	
Contractor <i>Mallard J.V. Inc</i>				Owner			
Type Job <i>Rotary Plug</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.			
Hole Size <i>7 7/8</i>	T.D. <i>3940'</i>			Charge To <i>Hess Oil Company</i>			
Csg.	Depth			Street <i>Box 1009</i>			
Tbg. Size	Depth			City <i>McPherson</i> State <i>Ks.</i> <i>67460</i>			
Drill Pipe <i>4 1/2</i>	Depth <i>2175'</i>			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool	Depth			Purchase Order No.			
Cement Left in Csg.	Shoe Joint			X <i>Lester R. Under</i>			
Press Max.	Minimum			CEMENT			
Meas Line	Displace			Amount Ordered <i>2000x 60/40 6% GEL 1/4" flo seal per ax.</i>			
Perf.				Consisting of			

EQUIPMENT

H.B.

Pumptrk	No. <i>#195</i>	Cementer	
		Helper	
Pumptrk	No.	Cementer	<i>Den</i>
		Helper	
Bulktrk	<i>#101</i>	Driver	<i>Yancy</i>
Bulktrk		Driver	

Common	<i>120</i>	<i>5.50</i>	<i>660.00</i>
Poz. Mix	<i>80</i>	<i>2.50</i>	<i>200.00</i>
Gel.	<i>12</i>	<i>6.75</i>	<i>81.00</i>
Chloride			
Quickset			
	<i>Plo Seal 50</i>	<i>1.00</i>	<i>50.00</i>
Handling	<i>200</i>	<i>1.00</i>	<i>200.00</i>
Mileage	<i>35</i>		<i>280.00</i>
		Sub-Total	
		Total	<i>1471.00</i>

DEPTH of Job

Reference:	<i>Pump trk charge</i>	<i>475.00</i>
	<i>35 Mileage</i>	<i>70.00</i>
	<i>1 8 5/8 dry hole plug</i>	<i>20.00</i>
	Sub-Total	
	Exp	
	Total	<i>565.00</i>

Remarks:

- 1st 250x - 2175'*
- 2nd 100x - 1280'*
- 3rd 400x - 270'*
- 4th 100x - 40'*
- 150x in rat hole*
- 100x in mouse hole*

Thank you!

TOTAL \$ *2036.00*

Disc - *407.28*

SEP 1 1992

\$1628.72

RECEIVED STATE CORPORATION COMMISSION CONSERVATION DIVISION Wichita, Kansas

By Allied Cementing Co. Inc

JAYSON DREILING