

SIDE ONE

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  
McPherson, KS 67460

Purchaser: \_\_\_\_\_  
Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Mallard JV, Inc.  
License: 4958

Wellsite Geologist: Doug Bellis

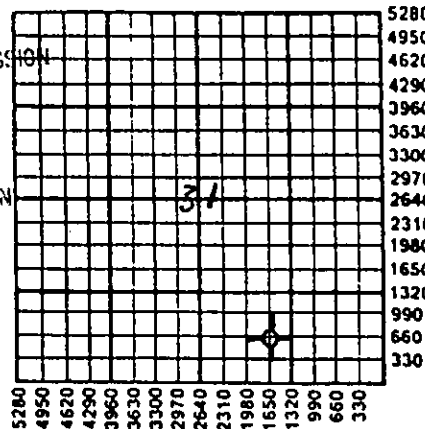
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
6-3-91 6-11-91 6-11-91  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,578-0000  
County Ness  
E/2 SW SE Sec. 31 Twp. 17 Rge. 25  East West  
660 Ft. North from Southeast Corner of Section  
1650 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Barrows Well # 1  
Field Name \_\_\_\_\_  
Producing Formation \_\_\_\_\_  
Elevation: Ground 2400' KB 2408'  
Total Depth 4450' PBTD \_\_\_\_\_

RECEIVED  
STATE CORPORATION COMMISSION  
AUG 08 1991  
CONSERVATION DIVISION  
Wichita, Kansas



A 15 12 DVA

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 James H. Hess  
Title James H. Hess Date 8-7-91

Subscribed and sworn to before me this 7 day of August, 19 91.

Notary Public Bryan K. Hess

Date Commission Expires 7



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 BARROWS Well # 1  
 Sec. 31 Twp. 17 Rge. 25  East County Ness  
 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.)

DST #1: 4345'-4385'. 30-45-10-10.  
 Weak surface blow - 6 min. Recovered  
 20' Mud. IH 2226, IF 41-41, FF 41-41,  
 ISI 1129, FSI 645, FH 2161. BHT 119.

DST #2: 4283'-4348'. 30-45-6-10.  
 Weak surface blow - 24 min. Recovered  
 20' Mud. IH 2156, IF 64-54, FF 64-64,  
 ISI 1116, FSI 341, FH 2082. BHT 120.

Name	Formation Description	
	Top	Bottom
Anhydrite	1740'	(+ 668)
Heebner	3720'	(-1312')
Lansing	3760'	(-1352')
Porosity	3807'	(-1399')
Stark Shale	4006'	(-1599')
Base K.C.	4068'	(-1661')
Marmaton Mark	4124'	(-1716')
Pawnee	4200'	(-1793')
Ft. Scott	4274'	(-1866')
Mississippi	4378'	(-1971')
Miss. Poros.	4293'	(-1986')
R.T.D.	4450'	(-2442')

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#	211'	60/40 Poz	135	2%gel, 3%cc

INDEX TO CASE - 31.50. 10.000 A  
 JOHN J. HAYES  
 03/10/00

2627, Russell, Kansas

Phone Plainville 913-434-2812

6-793-5861, Great Bend, Kansas

15-135-23578-0000

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

No. 1463

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

*New*

Date <i>6-8-91</i>	Sec. <i>31</i>	Twp. <i>17</i>	Range <i>25</i>	Called Out <i>9:00 PM</i>	On Location <i>11:00 PM</i>	Job Start <i>1:45 AM</i>	Finish <i>4:30 AM</i>
Lease <i>Barrows</i>	Well No. <i>1</i>	Location <i>Ness 10 W 4 1/4 N 1 1/2 W</i>			County <i>Ness</i>	State <i>Ka</i>	

Contractor <i>Mallard J.V. Inc.</i>	Owner <i>Hess Oil</i>
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 1/8</i>	T.D. <i>4450'</i>
Csg.	Depth
Tbg. Size	Depth
Drill Pipe <i>4 1/2 x H</i>	Depth <i>1765'</i>
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Charge To <i>Hess Oil</i>	
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X <i>T. J. Klaunder</i>	
<b>CEMENT</b>	
Amount Ordered <i>2150x 60/40 670 gel</i>	
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	
Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

### EQUIPMENT

<i>1000</i>	No.	Cementer	
Pumptrk <i>158</i>	No.	Helper	
Pumptrk	No.	Cementer	<i>J.D.</i>
		Helper	<i>Bob</i>
		Driver	<i>Keith</i>
Bulktrk <i>116</i>		Driver	

DEPTH of Job <i>1765'</i>	
Reference:	<i>Pump. trk charge</i>
	<i>mileage</i>
	<i>1 8 3/8 dry hole plus</i>
	Sub Total
	Tax
	Total

Remarks:	<i>1st 1765' - 500x</i>
	<i>2nd 870' - 800x</i>
	<i>3rd 240' - 500x</i>
	<i>4th 40' - 100x</i>

*By Allied Cementing Company*  
*150x in rat hole*  
*100x in mouse hole*  
*Thank you.*

**RECEIVED**  
 STATE COMMISSION  
 AUG 08 1991  
 CENSER TO THE PUBLIC

1627, Russell, Kansas

6-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

15-135-23578-0000

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 1456

## ORIGINAL

Date <i>6.4.91</i>	Sec. <i>31</i>	Twp. <i>17</i>	Range <i>25</i>	Called Out <i>11:00 PM</i>	On Location <i>1:00 AM</i>	Job Start <i>2:30 AM</i>	Finish <i>2:45</i>
Lease <i>BACCOWS</i>	Well No. <i>1</i>	Location <i>1/4 NW, 4 1/2 N, 1 1/4 W NW</i>			County <i>NEOSHO</i>	State <i>KA</i>	

Contractor <i>Mallard</i>	Owner
Type Job <i>Surface</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>12 1/4</i>	T.D. <i>212'</i>
Csg. <i>8 5/8</i>	Depth
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>15'</i>	Shoe Joint
Press Max.	Minimum
Meas Line	Displace <i>✓ 12.7</i>
Perf.	

Charge To <i>Hess Oil</i>	
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No. <i>X by Klardon</i>	
<b>CEMENT</b>	
Amount Ordered <i>135 cu 60/40 290 gal 370 cc</i>	

*Neosho City*

EQUIPMENT		
Pumptrk # <i>158</i>	No.	Cementer
		Helper
Pumptrk # <i>69</i>	No.	Cementer <i>J.P. Drilling</i>
		Helper <i>Bob W.</i>
		Driver <i>Heit AP.</i>
Bulktrk # <i>69</i>		Driver

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	

DEPTH of Job	
Reference:	<i>Pump, take charge.</i>
	<i>mileage.</i>
	<i>1 8 5/8 TWP</i>
	Sub Total
	Tax
	Total

Handling	
Mileage	
RECEIVED STATE OF KANSAS DEPARTMENT OF REVENUE	Sub Total
Floating Equipment <i>AUG 08 1991</i>	Total

Remarks: *Cement did circulate.*

*Thank you.*