

6-23-93

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

CONFIDENTIAL ORIGINAL

Operator: License # 5663

Name: Hess Oil Company

Address P.O. Box 1009

City/State/Zip McPherson, KS 67460

Purchaser: NCRA

Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: James C. Hess

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW 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 PBSD
Commingled Docket No. _____
Dual Completion Docket No. _____
Other (SWD or Inj?) Docket No. _____

3-23-92 3-31-92 4-10-92
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22, 665-00, 000

County Graham

110' E-SE -SW -NW Sec. 23 Twp. 6 Rge. 24 E W

2970 Feet from N (circle one) Line of Section

4180 Feet from E/W (circle one) Line of Section

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

Lease Name WHITE Well # 1

Field Name _____

Producing Formation Lansing

Elevation: Ground 2442' KB 2450'

Total Depth 4210' PBSD _____

Amount of Surface Pipe Set and Cemented at 255 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2114 Feet

If Alternate II completion, cement circulated from 2114

feet depth to surface w/ 350 sx cmt.

Drilling Fluid Management Plan ACT II 8/21 7-14-94
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 80 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name 7-22-94

RELEASED

Lease Name _____ License No. _____

Quarter Sec. 22 Twp. 6 Rge. 24 E/W E/W

County _____ Docket No. _____

FROM CONFIDENTIAL

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 reports shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit ACO-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.

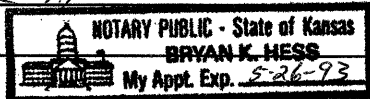
Signature Dick Hess

Title Dick Hess Date 6-22-92

Subscribed and sworn to before me this 22 day of June, 19 92.

Notary Public Bryan K. 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) MP

Operator Name Hess Oil Company Lease Name White Well # 17
 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	*SEE ATTACHED SHEET		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E.Logs Run: <u>Sonic, R.A. Guard</u>				

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"	28#	255'	60/40 Poz	165	2%gel, 3%cc
Production	7-7/8"	5-1/2"	15#	4208'	EA-2	150	10%salt, 5%cl
				and	HLC	350	4%gel

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	Perf. 3856-58'		
4	Perf. 3829-31' and \longrightarrow	Acidize w/300 gal. 15% MCA	
4	Perf. 3715-19'		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-7/8"	3933'					
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
4-11-92								
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		95				15		27

Disposition of Gas:	<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION	Production Interval
		<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	<u>3715'-19'</u>
		<input type="checkbox"/> Other (Specify)	<u>3829'-58'</u>

ORIGINAL

Hess Oil Company

WHITE #1
110' E, SE SW NW 23-6-24W
Graham County, Kansas

FORMATION SAMPLE TOPS

Anhydrite	2152'	(+ 298')
Base Anhydrite	2186'	(+ 264')
Topeka	3470'	(-1020')
Heebner	3671'	(-1221')
Lansing	3714'	(-1264')
Base Kansas City	3897'	(-1447')
Conglomerate	4007'	(-1557')
Arbuckle	4200'	(-1750')
RTD	4210'	(-1760')

DST #1: 3630'-3688'. 30-45-60-45. Strong blow throughout. Recovered 1965' Saltwater. IH-1843, IF-201-538, ISI-1267, FF-634-932, FSI-1248, FH-1824. Temp. 108.

DST #2: 3704'-3750'. 60-45-60-45. Strong 4" blow bottom of bucket in 7 minutes. 2nd Opening - 3" blow. Recovered 120' Gas, and 1240' Free Oil (Grav. 24). IH-1988, IF-144-355, ISI-1267, FF-413-519, FSI-1257, FH-1920. Temp. 109.

DST #3: 3750'-3810'. 60-45-60-45. Strong blow bottom of bucket in 11 minutes. 2nd Opening - 12 minutes. Recovered 220' Slightly Oil Cut Mud, and 480' Muddy Saltwater. IH-2026, IF-125-259, ISI-1163, FF-298-384, FSI-1124, FH-1998. Temp. 109.

DST #4: 3810'-3900'. 60-45-60-45. Strong blow bottom of bucket in 3 minutes. 2nd Opening - Gas to surface. Recovered 2108' Free Oil (Grav. 33). IH-1949, IF-163-515, ISI-1343, FF-605-798, FSI-1333, FH-1920. Temp. 110.

RECEIVED
STATE CORPORATION COMMISSION

JUN 23 1992
6-23-92
CONSERVATION DIVISION
Wichita, Kansas

RELEASED

JUL 22 1994
7-22-94
FROM CONFIDENTIAL

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

D R I L L E R S L O G

ORIGINAL

OPERATOR: Hess Oil Company
P. O. Box 1009
McPherson, KS 67460

WELL: White #1
API#: 15-065-22,665-00-00

COMMENCED: March 23, 1992
LOC: 110' E of SE SW NW

COMPLETED: March 31, 1992
2970 Ft FSL, 4180 Ft FEL

TOTAL DEPTH: 4210 Ft
Sec 23 Twp 66 Rge 24 W

ELEVATION: 2442 Ft GL, 2450 Ft KB
COUNTY: Graham

STATUS: Set Casing - Arbuckle Formation

Spud: 4:45 p.m. 3/23/92

Size Hole Drilled: 12-1/4" x 260'

Surface Casing: 8-5/8" x 28# x 235.37' (6 jts.)

Set at: 254.97'

Cement: 165 sacks 60/40 Pozmix, 2% gel, 3% cc

PD: 10:20 p.m. 3/23/92

Size Hole Drilled: 7-7/8" x 4210'

Production Casing: 5-1/2" x 15# x 4218' (110 jts.)

Set at: 4208'

DV Tool at: 2114'

Cement 1st Stage: 150 sacks EA-2, 10% salt, 5% cal-seal

Cement Top Stage: 350 sacks HLC, 4% addgel

PD: 7:30 a.m. 3/31/92

Drill Stem Tests: 4 Electric Log: Yes

RELEASED
JUL 22 1994

... CERTIFICATE ...

FROM CONFIDENTIAL

James H. 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.: White #1

STATE CORPORATION COMMISSION

JUN 23 1992

James H. Hess
James H. Hess, Vice-President

STATE OF KANSAS)
COUNTY OF McPHERSON) ss.

CONSERVATION DIVISION
Wichita, Kansas

Subscribed and sworn to before me this 20th day of April, 1992.

NOTARY PUBLIC - State of Kansas
BRYAN K. HESS
My Appt. Exp. 5-26-93

Bryan K. Hess
Bryan K. Hess, Notary Public

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1 LEASE white TICKET NO. 163868
 CUSTOMER Hess Oil Co PAGE NO. 1
 JOB TYPE SURFACE **ORIGINAL** DATE 3-23-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							called out
	2030							on loc. Rig Sinc @ 260 FT Setup Truck
	2045							Pull D.P.
	2100							START 8 5/8 CSG - weld collars
	2145							FIN CSG
	2150							Hookup Plug Cont.
	2200							START CIRC
								FIN CIRC
								Hook to Pump Truck
	2205				1		150	START H ₂ O
	2207		5		1		150	FIN H ₂ O
	2207				1		150	START mix 165 lbs 60/40 P02 20/90 GL, 3% OIL
	2215		38		1		150	FIN CUT RELEASE (A-11 Top Plug)
	2217				1		150	START Disp
	2220		14		1		200	FIN Disp - CUT IN COLLAR CLOSE IN
								Job Complete
								Thank you John, Kent & Mike

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 JUN 23 1992
 CONSERVATION DIVISION
 Wichita, Kansas

HALLIBURTON SERVICES
JOB LOG

WELL NO. #1 LEASE WHITE TICKET NO. 163870
 CUSTOMER HESS OIL Co. PAGE NO. 1 of 2
 JOB TYPE P.V. DATE 3-30-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2045							called out
	2240							Ready ASAP - Big Forget To Call
	2250							ON LOC. Big waiting
								START 9 1/2' CSg w/ INSERT FOOT
								SHOE w/ D.V. Baffle Top
								@ 4165' w/ contact log @
								4165, 3960, 3865, 3793, 374
								# 2152 cont BST @ 3165
								P.V. TOOL @ 2114
	0115							Hook up sundage & circ - CSg
								By tally 60 FT get TORON
	0200							Fin circ - CSg CSg ON BOTTOM
								MAKE NO HOLE
	0202				1			250 START 500 gal mud / Flush
	0205				1			250 Fin mud / Flush
	0208		12		1			300 START mix 150 SKS GR-2 w/ 5% SEAL
	0215				1			10% SALT, .4% HALL 322
					1			& .25% O-Air
	0215		36		1			200 Fin cont
								Wash up Pump & Lines
	0218				1			200 START H2O Disp
	0225		48		1			200 Fin H2O
	0225				1			200 ST. mud Disp
	0231		81		1			300 ST. LISTING CONT
	0235				1			800 Circ Pressure
	0235		98		1			1300 Fin Disp - Good Returns ✓
	0238							RELEASE - Insert Head ✓
	0245							Drop D.V. Opening Tool ✓
	0300							1300 open D.V. Tool ✓
	0301							START Circ ✓
	0710							Fin Circ ✓
								hook to pump truck
	0712				1			250 START H2O SAKER
	0713		5		1			250 Fin SAKER
	0714				1			250 ST. mix 350 SKS HLC w/ 4% addition
								6.0 & 1/4 LB Flocc etc
								cont next page

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION

JUN 25 1992

CONSERVATION DIVISION
Wichita, Kansas

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1 LEASE Wh. Te
CUSTOMER Arco Oil Co.
JOB TYPE D.V.

TICKET NO. 163 870
PAGE NO. 2 of 2
DATE 3-31-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0732		146		1		250	Fin mix cut Release Top Plug ORIGINAL
	0733				1		250	Start Disp
	0740		50		1		2000	Fin Dip - Lost circ @ 38 BBLs Thick-Thick mud in casing Release Head
	0743							
	0745				1		2000	TEST D.V. Head Release Head Job Complete
	0748							
								Thank you
								Scott, Glen, Harold, Kent, Mike Put 15 sts curtain Ret hole Put 10 sts curtain mouse hole Thank you Purging cut 2nd stage Jim Keenan
			6					
			4					

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STATE CORPORATION COMMISSION
JUN 23 1992
CONSERVATION DIVISION
Wichita, Kansas