

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

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 SIOW
 Dry Other (Core, WSV, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: D.B. Lauck & Phil Anshutz
Well Name: STELZER
Comp. Date 9/17/63 Old Total Depth 4910'
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.
9-17-92 9-19-92 10-5-92
Spud Date Date Reached TD Completion Date

API NO. 15- 151-01011-00-01
County Pratt
- C - NE - SW Sec. 7 Twp. 29 Rge. 14 X ^E _W
1980 Feet from (S) (circle one) Line of Section
1980 Feet from (E) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (SW) (circle one)
Lease Name STELZER Well # 1' OWWO
Field Name _____
Producing Formation Mississippi
Elevation: Ground 2032' KB 2040'
Total Depth 4660' PBTB 4600'
Amount of Surface Pipe Set and Cemented at 311 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 311
feet depth to surface w/ 255 sx cnt.
Drilling Fluid Management Plan ALT 1 1-21-93
(Data must be collected from the Reserve Pit)
Chloride content 50,000 ppm Fluid volume 40 bbls
Dewatering method used Evaporated
Location of fluid disposal if hauled offsite:
Operator Name _____ **RELEASED**
Lease Name _____ License No. _____
Quarter Sec. Twp. 8 Rng. 1994 ^E _W
County _____ Docket No. _____

JAN 11 1993
CONFIDENTIAL

ORIGINAL

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 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 Bryan Hess
Title Vice-President Date 1-14-93
Subscribed and sworn to before me this 14th day of January
19 93.
Notary Public Bryan Hess
Date Commission Expires _____
NOTARY PUBLIC - State of Kansas
BRYAN K. HESS
My Appt. Exp. 5-26-93

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
DISTRIBUTION
KCC _____ SWD/BOB _____
KGS _____ Plug _____
RECEIVED
STATE CORPORATION COMMISSION
JAN 15 1993
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS

Operator Name Hess Oil Company Lease Name STELZER Well # 1 OWWO
 Sec. 7 Twp. 29 Rge. 14 East County Pratt
 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.

*** LOG FORMATION TOP DEPTH AND DATUMS**

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

Heebner	3899'	-1868'
Doug Shale	4020'	-1989'
Br. Lm.	4070'	-2039
Lansing	4083'	-2052'
Base KC	4462'	-2431'
Marm. Lm.	4484'	-2453'
Viola	4683'	-2652'
Simp. Sh.	4802'	-2771'
Arbuckle	4899'	-2868
Sample Tops:		
Marm. Chert.	4541'	-2510'
Miss. Chert.	4636'	-2605'
Kinderhook	4657'	-2626'

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"		311'		255	
Production	7-7/8"	5-1/2"	15.5	4652'	EA-2	150	5% calseal, 18% salt

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
1	4554'-62' and 4547'-49	Acid-1500 gal. 7 1/2% Hcl MCA	Same
		Frac- 100,000# sd, 69,000 gal, gel	Same

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	4556'			

Date of First/Resumed Production, SWD or Inj. 10-15-92 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	18		70		36

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 4547'-62'

MALLARD JV, INC.
 DRILLING CONTRACTORS
 P. O. Box 1009 McPHERSON, KS 67460

ORIGINAL

DRILLER'S LOG

OPERATOR: Hess Oil Company P. O. Box 1009 McPherson, KS 67460	WELL: Stelzer #1 OWWO API #: 15-151-01011-00-01	RELEASED FEB 28 1994
COMMENCED: September 17, 1992	LOCATION: C NE SW 1980' FSL, 1980' FWL	FROM CONFIDENTIAL
COMPLETED: September 19, 1992	Section 7, Township 29S, Range 14W Pratt County, KS	
TOTAL DEPTH: 4660'	ELEVATION: 2032' GL, 2040' KB	

STATUS: Set Casing - Mississippi Formation

OLD WELL INFORMATION

OPERATOR: D. R. Lauck Oil Co. & Phil Anschutz
 WELL NAME: Stelzer #1
 COMPLETION DATE: 9/17/63
 OLD TD: 4910'
 SURFACE CASING: 8-5/8"
 SET AT: 311'
 CEMENT: 255 sacks

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CONFIDENTIAL

WASH-DOWN INFORMATION

SPUD: 6:40 pm 9/17/92
 NEW TD: 4660'
 PRODUCTION CASING: 5-1/2" x 15.5# x 4644' (144 jts.)
 SET AT: 4652'
 CEMENT: 150 sacks EA-2, 5% Calseal, 18% salt, 3/4% Allied 322, 1/4# floseal/sack
 PD: 10:30 pm 9/19/92

ELECTRIC LOG: Yes

*** CERTIFICATE ***

I, Dick Hess, Vice-President of Mallard JV, Inc., hereby certify that this is a true and correct copy of the log of the Stelzer #1 OWWO well as reflected by our files.

Dick Hess
 RECEIVED
 STATE CORPORATION COMMISSION
 Dick Hess, Vice-President

STATE OF KANSAS }
 COUNTY OF McPHERSON } ss.

Subscribed and sworn to before me this 25th day of September, 1992.

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

Bryan K. Hess
 Notary Public

JAN 15 1993
 CONSERVATION DIVISION
 WICHITA, KANSAS

RELEASED

FEB 2 8 1994

FROM CONFIDENTIAL

D. R. LAUCK #1 STELZER 7-29-144
C NE SW

Contr. CO TOOLS PRATT County

E 2031 KB Comm. 8/31/63 Comp. 9/19/63 IP D & A (ARB)

LOG: Tops	Depth	Datum	Casing
			8" 311/255 sx:
HEEB	3899	-1868	
DOUG SH	4020	-1989	NO TESTS:
BR LM	4070	-2039	
LANS	4083	-2052	
B KC	4462	-2431	SMP TOPS:
MARM LM	4484	-2453	MARM CHERT 4541 -2510
VIG	4683	-2652	MISS CHERT 4636 -2605
SIMP SH	4802	-2771	KIND 4657 -2626
ARB	4899	-2868	
ITD	4910	-2879	

INDEPENDENT OIL & GAS SERVICE
WICHITA, KANSAS

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JAN 15 1993
CONSERVATION DIVISION
WICHITA, KANSAS

HESS OIL COMPANY

412 East Douglas, Suite One
Wichita, Kansas 67202

(316) 263-2243

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FEB 2 8 1994

FROM CONFIDENTIAL

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Stelzer #1 "OWWD"
C/NE SW of
Section 7 - 29S - 14W
Pratt County, Kansas

Old Information:

Elevations --- 2026' GR
2031' KB
Mississippi --- (-2509)

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New Information:

Elevations --- 2032' GR
2040' KB
Mississippi --- (-2504 to -2531)

9-17-92 Moved in Mallard J.V.
3:30pm Raised Derrick.
3:30-6:40pm Finished rigging up and spud at 6:40pm
6:40-9:00pm TD = 340' KB Drilled out plugs in surface pipe.
9:00-12:00pm TD = 1450' KB Drilling ahead.

9-18-92
12:00-8:00am Washed well down to 3507' KB.
8:00-2:00pm Washed well down to 4325' KB. Have mixed 3 tanks of mud so far --- some mud lost in hole.
2:00-4:30pm Washed well down to 4660' KB. Mixed 4th tank of mud --- Vis. 36, Wt 9.5#, and chls. 74,000ppm.
4:30-12:00pm Mixed 2 more tanks of mud and added. Vis. 38, Wt 9.6#, and chls. 74,000ppm.

9-19-92
12:00-1:00am Circulated and finished adding tank #6 of mud. (Vis 38)
1:00-3:30am Tripped to Drill Collars. Hole looks clean.
3:30-6:00am Tripped back to bottom.
6:00-7:00am Turned in tank #7 of mud and circulated hole clean.
7:00-8:30am Tripped out of hole. Hole looks Clean!
8:30-12:00pm Ran Dual Induction, Compensated Density Nutron, and Sonic logs. Log TD = 4665' KB
12:00-1:30pm Tripped in hole.
1:30-2:30pm Circulated hole clean.
2:30-5:30pm Layed down drill pipe.
5:30-6:30pm Cellar work and rigged up to run casing.
6:30-9:00pm Ran 144 jts of 5½" casing (15.50#) and cemented with a 15' shoe jt.
9:00-9:30pm Saw ball hit float collar & circulated for 30 min.
9:30-10:30pm Cemented with 500 gals chemical mud flush and 150 sx of EA-2 expanding cement. (samples set in 48 min.) Plug down at 10:30pm --- released rig.

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JAN 15 1993
CONSULTATION DIVISION
WICHITA, KANSAS

HESS OIL COMPANY

412 East Douglas, Suite One

Wichita, Kansas 67202

(316) 263-2243

RELEASED

FEB 28 1994

Stelzer #1 "OWWD"
Page 2

FROM CONFIDENTIAL

Casing Report:

9-8-63 D.R. Lauck ran 311' of 8-5/8" surface pipe and cemented to surface.

9-19-92 Ran 144 jts of 5½" (15.50#) casing and set at 4652' KB with a 15' shoe jt.

Cemented with 500 gals. of chemical mud flush and 150 sx of EA-2 expanding cement.

Centralizer #4	4530' KB
Centralizer #3	4563' KB
Clamp and Centralizer #2	4591' KB
Float Collar	4637' KB
Clamp and Centralizer #1	4642' KB
Guide Shoe	4652' KB

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Sincerely,

James C. Hess
Geologist

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STATE CORPORATION COMMISSION

JAN 15 1993

CONSERVATION DIVISION
WICHITA, KANSAS

JOB LOG

CUSTOMER How Oil Co.

PAGE NO. 1

JOB TYPE Long String

DATE 1-17-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							Called out
	1730							on Loc. setup truck
	1830							Start 5 1/2" csg in hole
								Run Slip Joint Guide Shoe, 4. cent, 2. class
								Insert float valve with Auto. Fillup
	2035							Drop Ball
	2053							Break Circulation with Rig pump
	2135		12					Start 500gal Mud-Flush
	2140		36.3					Start mixing 150K EA-3 cut
	2155							Finished mixing mud in pump & line
								Release Plug & Displace 113 gal
	2210						1200	Plug down Holding 1200 psi
								Release Pres. Float ball
								Wash & Pack up truck
	2300							Job Complete

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Thank You
 Ryan

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JAN 15 1993
 CONSERVATION DIVISION
 WICHITA, KANSAS

HALLIBURTON SERVICES

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1906 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO: 245949

DISTRICT Pratt, Ks.

DATE 9-19-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Hess Oil Co. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE Stelzer SEC 7 TWP. 29 RANGE 14

FIELD COUNTY Pratt STATE Ks. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING (5 7/8), LINER, TUBING, OPEN HOLE, and PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING [] ANNULUS [] CASING [X] TUBING/ANNULUS [] HYDRAULIC HORSEPOWER ORDERED

Comd. 5 7/8" Csg. with 150:1 EA 2 cwt 5% Calocal, 1 1/2% salt, 3/4% Halcid-322 8 1/2" Floerck 1518

Pre Flush with 50 gal Mud Flush

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies...
c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others...
d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials.
e) That Customer shall at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well...
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act...
g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER

DATE TIME A.M. P.M.