

MUST BE TYPED

3530

SIDE ONE

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- 195-22,079

County Trego

C SW SE Sec. 22 Twp. 15 Rge. 25 E W

660 Feet from N (circle one) Line of Section

1980 Feet from W (circle one) Line of Section

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

Lease Name Caruso Well # 2

Field Name Good Science

Producing Formation Mississippi

Elevation: Ground 2439' KB 2447'

Total Depth 4480' PBTD 4420'

Amount of Surface Pipe Set and Cemented at 213 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 4489

feet depth to surface w/ 525 sx cnt.

Drilling Fluid Management Plan 1-23-92
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ 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

City/State/Zip McPherson, KS 67460

Purchaser: Clear Creek, Inc.

Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: Beth Fuhr

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 _____ PBTD

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) Docket No. _____

2-2-91 2-10-91 4-9-91

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.

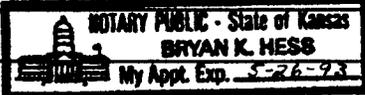
Signature Dick Hess

Title Dick Hess Date 1-17-92

Subscribed and sworn to before me this 17th day of January, 1992.

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)

Operator Name Hess Oil Company Lease Name Caruso Well # 2

Sec. 22 Twp. 15 Rge. 25 East County Trego

East
 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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input 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	Anhydrite	1888'	(+ 559')
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3766'	(- 1319')
List All E.Logs Run:		Lansing	3808'	(- 1361')
Radiation Guard		Stark Shale	4036'	(- 1589')
		Base K.C.	4100'	(- 1653')
		Marmaton	4150'	(- 1703')
		Pawnee	4227'	(- 1780')
		Fort Scott	4304'	(- 1857')
		Cherokee Shale	4330'	(- 1883')
		Miss. Lime	4401'	(- 1954')
		Miss. Dolomite	4408'	(- 1961')

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#	213'	60/40 Poz	145	2% gel, 3% cc
Production	7-7/8"	5-1/2"	14#	4489'	ATL	375	1/2# floseal/sk
				and	60/40 Poz	150	10% salt

(525 total)

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Liner 4"				
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	4246-4416	60/40 Poz	150	2% gel, 10% salt
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	and	60/40 Poz	50	2% gel, 2% cc

(200 Total)

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)	Depth
1	perf. 4410' - 4418'		acidize w/ 500 NEFE	4410'-

TUBING RECORD Size 2-3/8" Set At 4390' Packer At _____ Liner Run 4" Yes No 4246' - 4416'

Date of First, Resumed Production, SWD or Inj. 4-9-91 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

(See cement info. above)

Estimated Production Per 24 Hours Oil 5 Bbls. Gas _____ Mcf Water 48 Bbls. Gas-Oil Ratio _____ Gravity 41

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 4410'-4418'

22-15-25W

COPY

Operator Name - Hess Oil Company
Sec. 22-15-25W

Lease Name - Caruso #2
County - Trego

DRILL STEM TEST #1 4320' - 4430'

Open 45", closed 45", open 60", closed 45"
1st open: Strong blow, off bottem of bucket in 13 mins.
2nd open: Strong blow, off bottem of bucket in 25 mins.

RECOVERED: 124 ft SOCM (5% oil, 5% gas, 90% mud)
248 ft OCM (30% oil, 15% gas, 35% mud, 20% filtrate)

248 ft Frothy oil (60% oil, 20% gas, 10% mud, 10% wtr)
124 ft SOCMW (10% oil, 5% gas, 50% mud, 35% water -
chlorides 26,000 ppm)
744' TOTAL FLUID

IFP	160-277#	FFP	330-372#
ISIP	1061#	FSIP	1061#
HYD	2247-2226#	TEMP	132

RECORDED
JUN 23

COPY

22-15-25W

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

D R I L L E R S L O G

OPERATOR: Hess Oil Company P. O. Box 1009 McPherson, KS 67460	WELL: Caruso #2 API #: 15-195-22,079
COMMENCED: February 2, 1991	LOC: C SW SE
COMPLETED: February 10, 1991	660 FT. FSL, 1980 FT. FEL
TOTAL DEPTH: 4480 FT.	SEC. 22 TWP. 15 RGE. 25 W
ELEVATION: 2439 FT. GL, 2447 FT. KB	COUNTY: Trego

STATUS: Set Casing - Mississippi Formation

Size Hole Drilled: 12-1/4" x 217'
 Surface Casing: 8-5/8" x 20# x 203.72' (5 jts.)
 Set at: 213.32'
 Cement: 145 sacks 60/40 Pozmix, 2% gel, 3% cc
 P.D.: 9:45 p.m. 2/2/91

Size Hole Drilled: 7-7/8" x 4480'
 Production Casing: 5-1/2" x 14# x 4489' (139 jts.)
 Set at: 4489'
 Cement: 375 sacks ATL, 1/4# floceal/sk, and
 150 sacks 60/40 Pozmix, 10% salt - 525 sacks total
 P.D.: 1:10 a.m. 2/10/91

Drill Stem Test: 1 Electric log: Yes

CERTIFICATE

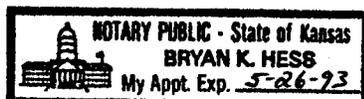
Dick Hess, Vice-President of Mallard JV, Inc., hereby certifies that this is a true and correct copy of the log of the following well, as reflected by the files of Mallard JV, Inc.: Caruso #2.

Dick Hess

Dick Hess, Vice-President

STATE OF KANSAS)
COUNTY OF MCPHERSON) ss.

Subscribed and sworn to before me this 18th day of February, 1991.



Bryan K Hess
Bryan K. Hess, Notary Public