

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION 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: License # 4958
Name Mallard JV, Inc.

Wellsite Geologist James C. Hess
Phone 316-263-2243

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

10-28-88 11-3-88 11-11-88
Spud Date Date Reached TD Completion Date

3715' 3666'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 227 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 3695 feet depth to surf 450 w/ SX cmt
Cement Company Name Allied
Invoice # 5466
3-13-89

API NO. 15-065-22,491-00-00
County Graham
NW SW NW 8 6 21 East
Sec Twp Rge X West

3630
4950 Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

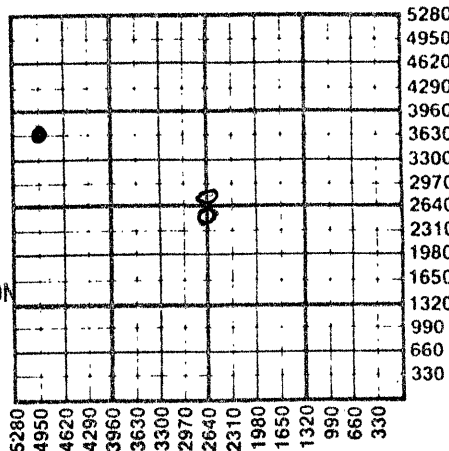
Boys 2
Lease Name Well #

Boys South
Field Name

Lansing
Producing Formation

2185' 2193'
Elevation: Ground KB

Section Plat



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3-3-89
MAR 03 1989

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # D-20496 Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

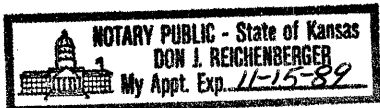
Source of Water:
Division of Water Resources Permit #
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water 2640 Ft North from Southeast Corner 3960 Ft West from Southeast Corner (Stream, pond etc) Sec 8 Twp 6 Rge 21 East West
Other (explain) (purchased from city, R.W.D. #)

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. 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 Bryan Hess, Mgr. Date 2-28-89

Subscribed and sworn to before me this 28th day of February 1989.
Notary Public Don J. Reichenberger
Date Commission Expires 11-15-89



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)
3-3-89 (9)

Sec. 8, Twp 6, Rge 21

SIDE TWO

Operator Name Hess Oil Company Lease Name..... Boys Well #..... 2.....

Sec..... 8..... Twp..... 6..... Rge..... 21..... East West County..... Graham.....

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1: 3355'-3400'. 30-30-60-45. Recovered 1650' SW w/scum oil throughout. IH 1677#, IF 148-381, ISIP 1000, FH 1666, FF 444-759, FSIP 989.

DST #2: 3395'-3470'. 60-30-60-45. Recovered 10' oil, 60' oil cut mud (20% oil, 80% mud). IH 1791, IF 84-84, ISIP 180, FH 1677, FF 116-116, FSIP 243.

DST #3: 3580'-3640'. 30-30-60-45. Recovered 210' oil, 105' oil cut mud (45% oil, 55% mud). IH 2010, IF 127-137, ISIP 169, FH 1937, FF 158-169, FSIP 243.

Name	Top	Bottom
Anhydrite	1841	1875
Topeka	3202	
Heebner	3406	
Toronto	3431	
Lansing	3449	
Base K.C.		3636
Arbuckle	3705	
R.T.D.	3715	

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"	32	227'	60/40 Poz	160	3%cc, 2%gel
Production	7-7/8"	5-1/2"	14-15	3695' and	ATL 60/40 Poz	300 150	10%salt, 5%gils.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
1	3625' & 3604' & 3592-93'			3000 gal. 15% acid			
1	3499' & 3451' & 3434-35'			3000 gal. 15% acid			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size 2-3/8" Set At 3656' Packer at		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....			
Estimated Production Per 24 Hours		Oil 18 Bbls	Gas 0 MCF	Water 110 Bbls	Gas-Oil Ratio	Gravity 37	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 3434'-3625' Used on Lease Dually Completed Commingled

15-065-22491-00-00

Mallard JV, Inc.
P.O. Box 1009
McPherson, KS 67460

DRILLERS' LOG

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

WELL: Boys #2
API#: 15- 065-22,491

COMMENCED: October 28, 1988

LOCATION: NW SW NW
3630 Ft. FSL, 4950 Ft. FEL

COMPLETED: November 3, 1988

Sec. 8 Twp. 6 S Rge. 21 W

TOTAL DEPTH: 3715 Ft.

COUNTY: Graham

ELEVATION: 2185 Ft. G.L.
2193 Ft. K.B.

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
Surface	0'	228'
Shale	228	1376
Sand	1376	1578
Shale	1578	1841
Anhydrite	1841	1876
Shale	1876	3376
Shale, Lime	3376	3715 R.T.D. Arbuckle

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MAR 03 1989

CONSERVATION DIVISION
Wichita, Kansas

REMARKS

Cut 12 1/4" hole to 228' and ran 7 joints 8-5/8" x 32# x 217.82' surface casing. Set at 227.42' and cemented w/160 sacks 60/40 Pozmix, 3% cc, 2% gel. Cement did circulate. P.D. @ 2:00 a.m. 10-29-88.

Ran 3 DSTs and electric log.

Ran 120 joints 5 1/2" x 14# & 15# x 3720' casing. Set at 3695' and cemented w/ 300 sacks ATL and 150 sacks 60/40 Pozmix, 10% salt, 5% Gilsonite. Cement did circulate. P.D. @ 1:15 p.m. 11-3-88.

STATE OF KANSAS)
) SS:
COUNTY OF McPHERSON)

I, BRYAN HESS of MALLARD DRILLING, do hereby certify that this is a true and correct copy of the log of the Boys #2 well as reflected by the files of Mallard Drilling.

Bryan Hess
Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 11th day of November, 1988.

11-15-89
My Commission Expires

Don J. Reichenberger
Notary Public

