

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
McPherson, KS 67460
City/State/Zip

Purchaser NCRA

Operator Contact Person James C. Hess
Phone 316-263-2243

Contractor: License # 4958
Name Mallard JV, Inc

Wellsite Geologist James C. Hess
Phone 316-262-2243

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1-25-88 2-2-88 5-16-88
Spud Date Date Reached TD Completion Date
3379' 3260'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1271 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

ATI

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 6-1-88

Subscribed and sworn to before me this 1st day of June 1988

Notary Public Don J. Reichenberger

Date Commission Expires 11-15-89

API NO. 15-163-22,979-0000
County Rooks
Appx. NE SW Sec 27 Twp 7 Rge 18 East West

1955 Ft North from Southeast Corner of Section
3275 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

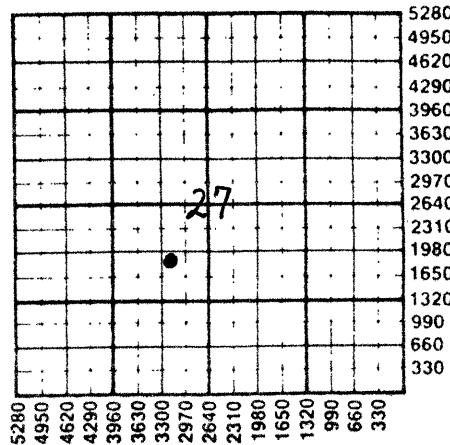
Lease Name Kollman Well # 1

Field Name Roelp, NW

Producing Formation Lansing

Elevation: Ground 1812 KB 1820

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Hauled to tank service disposal

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) Sec 27 Twp 7 Rge 18 East West

Surface Water 1320 Ft North from Southeast Corner (Stream, pond etc) 3960 Ft West from Southeast Corner Sec 27 Twp 7 Rge 18 East West

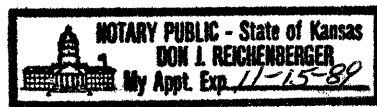
Other (explain) (purchased from city, R.W.D. #)

Sec 27 Twp 7 Rge 18

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)

RECEIVED STATE CORPORATION COMMISSION

6-8-88



JUN - 8 1988

Form ACO-1 (5-86)

CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Hess Oil Company Lease Name Kollman Well # 1

Sec. 27 Twp. 7 Rge. 18 East West County Rooks

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: 3010' - 3080'. 30-30-60-45. Rec. 265' oil cut mud (18% oil, 82% mud). Pressures: IH 1635, IF 109-109, ISIP 1168, FF 131-152, FSIP 1158 FH 1614.

Name	Top	Bottom
Anhydrite	1266'	1300'
Topeka	2761	
Heebner	2971	
Toronto	2994	
Lansing	3012	
Base K.C.	3250	
Arbuckle	3303	
R.T.D.	3379	

DST #2: 3290' - 3315'. 60-30-60-30. Rec. 5' oil, 80' oil cut mud (15% oil, 85% mud): IH 1733, IF 110-121, ISIP 264, FF 121-132, FSIP 198, FH 1722.

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
Conductor	14-3/4"	13-3/8"	50	55'	60/40 Poz	35	3% cc.
Surface	12 1/2"	8-5/8"	23	1271'	60/40 Poz	425	3% cc., 2% gal
Production	7-7/8"	5 1/2"	15	3358'	Com.	100	10% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
2	3304 - 3314			500 gal. 15%	1000 gal. 28%		P.B. 3260'
2	3011-3012, 3047-3048			750 gal. 15%	3000 gal. 15%		
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
May 16, 1988		2-7/8"	3240'				
Date of First Production		Producing Method					
May 16, 1988		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio		Gravity
10 Bbls			MCF	22 Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 3011'-3048' Used on Lease Dually Completed Conmingled

15-163-22979-00-00

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

DRILLERS' LOG

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

WELL: Kollman #1

API#: 15-163-22,979

COMMENCED: January 25, 1988

LOCATION: Approx. NE SW

COMPLETED: February 2, 1988

1955 Ft. FSL, 3275 Ft. FEL

TOTAL DEPTH: 3379'

Sec. 27 Twp. 7 S. Rge. 18 W

ELEVATION: 1812 Ft. G.L.

COUNTY: Rooks

1820 Ft. K.B.

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
Surface	0'	755'
Cedar Hills	755'	964
Shale	964	1267
Anhydrite	1267	1300
Shale, Lime	1300	3379 R.T.D.

REMARKS

Cut 14-3/4" hole to 56' and ran 1 joint 13-3/8" x 50# x 44.33' Conductor casing. Set at 55' and cemented w/35 sacks 60/40 Pozmix, 3% cc. Cement did circulate. P.D. @ 7:30 p.m. 1-25-88.

Cut 12 1/4" hole to 1274' and ran 33 joints new 8-5/8" x 23# x 1261.5' surface casing. Set at 1271' and cemented w/425 sacks 60/40 Pozmix, 3% cc, 2% gel. Cement did circulate. P.D. @ 3:00 a.m. 1-28-88.

Ran 2 DST's and electric log.

Ran 103 joints 5 1/2" X 3350.51' casing. Set @ 3358.51' and cemented w/10 bbl. and 1/2 sack Desco flush, and 10 bbl. salt flush, preceding 100 sacks common w/10% salt. Land plug by displacement w/900#. P.D. @ 8:45 p.m. 2-2-88. Released and held.

STATE OF KANSAS)
) SS:
COUNTY OF McPHERSON)

RECEIVED
STATE CORPORATION COMMISSION

JUN - 2 1988

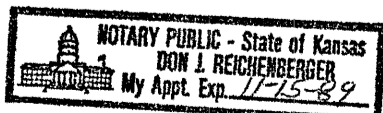
6-8-88
CONSERVATION DIVISION
Wichita, Kansas

I, BRYAN HESS of MALLARD DRILLING, do hereby certify that this is a true and correct copy of the log of the Kollman #1 well as reflected by the files of Mallard Drilling.

Bryan Hess
Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 15th day of February, 1988.

11-15-89
My Commission Expires



Don J. Reichenberger
Notary Public