

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 Box 1009
McPherson KS 67460
City/State/Zip

Purchaser Clear Creek, Inc.
McPherson KS 67460

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

Contractor: License # 4958
Name Mallard JV, Inc.

Wellsite Geologist Kurt Smith & James C. Hess
Phone 263-1008

Designate Type of Completion

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable
6-12-87 6-19-87 7-10-87
Spud Date Date Reached TD Completion Date
3740' 3726'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 238 feet
Multiple Stage Cementing Collar Used? Yes ☒ No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 1776 feet depth to Surface 425
Cement Company Name Allied

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	3	0	5		36
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold

☐ Open Hole ☒ Perforation
☐ Other (Specify)

3693' - 3709'

Notes and regulations promulgated to regulate the oil and gas industry

API NO. 15-065-22,385

County Graham
N/2 SW SE 15 10 22 East
Sec Twp Rge XX West

990' Ft North from Southeast Corner of Section
1980' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

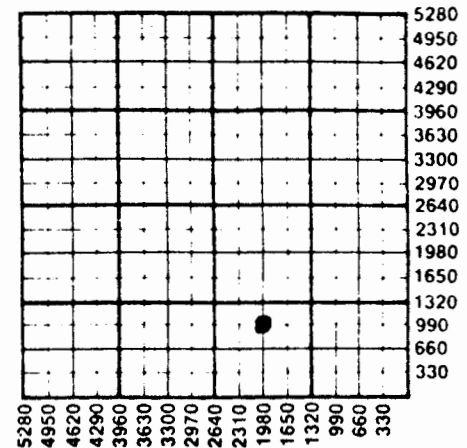
Lease Name Shimek Well # 1

Field Name Faul

Producing Formation Lansing

Elevation: Ground 2243' KB 2251'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Docket # ☐ Repressuring
(Producing very little.)

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 Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain) Purchased from farmer Wyn

Operator Name Hess Oil Company Lease Name Shimek Well #..... 1

Sec..... 15 Twp..... 10 Rge..... 22 ☐ 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: 3497'-3572'; 45-30-30-30; Rec 240' muddy water, 300' water; IFP 111-202, FFP 202-253, ISIP 600, FSIP 626, IHP 1755, FHP 1626, Temp 114.

DST #2: 3634' - 3720'; 15-30-30-30; Rec 880' mud, 240' mud w/S.O.; IFP 313-414, FFP 465-606, ISIP 1426, FS IP 1346, IHP 1747, FHP 1676, Temp 104.

DST #3: 3660'-3720'; 15-30-30-30; Rec 65' M.C.O. (50% mud, 50% oil), 60' G.O.C.M. (35%oil, 15% gas, 50% mud), 120' G.M.C.O. (25% gas, 20% mud, 55% oil), 60' G.M.C.O. (25% gas, 30% oil, 50% mud), 190' gas in pipe; IFP70-101, FFP 101-151, ISIP 666, FSIP 686, IHP 1787, FHP 1757, Temp 110.

Name	Top	Bottom
Anhydrite	1741'	
Topeka	3260	
Heebner	3471	
Lansing	3507	
R.T.D.	3740	

NOTE: Hess Oil Company took over this well at 3572', drilled to 3740' R.T.D., and ran DST #2 and DST #3. Original operator was Northern Lights Oil Company.

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 1/2"	8 5/8"	20#	238'	60/40 pop	140	3% gel, 2% cc
Production...	7 7/8"	5 1/2"	14 1/2, 15 1/2	3739'	60/40 pop	150	10% salt, 5# gilsonite
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	3708' - 3709'						
1	3693' - 3694'			600 gal. 15% acid			
TUBING RECORD				Liner Run ☐ Yes ☒ No			
Date of First Production		Producing Method					
July 10, 1987		☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....					

15-10-22W

DRILLERS' LOG

COMPANY: Northern Lights Oil Co. WELL: Shimek #1
and Hess Oil Company
CONTRACTOR: Mallard Drilling API#: 15-065-22,385
P. O. Box 1009
McPherson KS 67460 LOCATION: N/2 SW SE
COMMENCED: June 12, 1987 Sec. 15, Twp. 10S, Rge 22W
COMPLETED: June 19, 1987 COUNTY: Graham
TOTAL DEPTH: 3740' ELEVATION: 2251' G. L.
2243' K. B.

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
Soil Shale	0'	1250'
Sand	1250'	1442'
Shale	1442'	1742'
Anhydrite	1742'	1788'
Shale	1788'	2297'
Shale, Lime	2297'	2578'
Shale	2578'	2862'
Shale, Lime	2862'	3740' R.T.D. Lansing

REMARKS

Cut 12½" hole to 240' and ran 6 new joints 8 5/8" X 20# X 228.96' surface casing. Set @ 238.46' and cemented with 140 sacks 60/40 poz mix, 3% gel, 2% cc. P.D. @ 4:00 a.m. 6/13/87.

Ran 3 DST's.

Ran 119 joints 5½" X 14.5# & 15.5# X 3755.82'. Set at 3739' and cemented with 150 sacks 60/40 poz mix, 10% salt, 5# Gilsonite, and 20 bbl. salt flush preceding. Landed wire lined plug at 3726' with 1000# @ 4:30 p.m. 6/19/87. Released and held.

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 Shimek #1