

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Herschel Logan Well # 1

Sec 1 Twp 32S Rge 35 East
West County Stevens
METHOD OF COMPLETION Production IntervalDisposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation 6099'-6112'
☐ Sold ☐ Other (Specify)
☐ Used on Lease ☐ Dually Completed
☐ Commingled190 sx 50/50 POZ + 2% CaCl₂Drill Stem Tests Taken ☐ Yes ☒ No
Samples Sent to Geological Survey ☒ Yes ☐ No
Cores Taken ☒ Yes ☐ No

Formation Description

☒ Log ☐ Sample

Acid/Frac Record:

Fraced formation in the following stages:

15,000 gals gelled diesel pad
7,500 gals gelled diesel w/1/2 ppg 20/40 sand
5,000 gals gelled diesel w/1 ppg 20/40 sand
5,000 gals gelled diesel w/2 ppg 20/40 sand

Core #1:

6102-50

Name	Top	Bottom
Chase	2610	
Winfield	2678	
Council Grove	2919	
Admire	3187	
Wabaunsee	3308	
Shawnee	3727	
Lansing	4224	
Kansas City	4513	
Marmaton	4956	
Cherokee	5160	
Morrow	5583	
Chester	5850	
Ste. Genevieve	6134	
St. Louis	6240	

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"	9-5/8"	36#	1818'	65/35POZ	600	6% gel + 3% CaCl ₂
					"H"	100	3% CaCl ₂
Production	8-3/4"	5-1/2"	15.5#	6334'	50/50POZ	400	
					65/35POZ	100	6% gel + 3% CaCl ₂

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	6099'-6112'	(see acid/frac record detailed above)	

TUBING RECORD	Size	Set At	Packer at	Liner Run	☒ Yes ☐ No
	2-7/8"	6130'	6037'		

Date of First Production Producing Method

☐ Flooding ☐ Pumping ☐ Gas lift ☐ Other

SIDE ONE

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 # 5208
Mobil Oil Corporation
Name
Address P. O. Box 5444
City/State/Zip Denver, CO 80217-5444

Purchaser: Permian

Operator Contact Person D. C. Forbes
Phone (303) 298-2056

Contractor: License # 9137
Unit

Wellsite Geologist T. N. Tvrdik
Phone (303) 298-3689

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

6-11-85 6-26-85 7-2-85
Spud Date Date Reached TD Completion Date
6340' 6290'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1818 feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 3133 feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt

API NO. 15-189-20854

County Stevens

C SW SW Sec 1 32S 35 East
..... West

690 Ft North from Southeast Corner of Section
4800 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

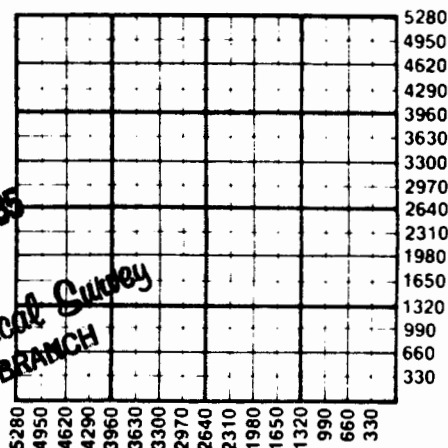
Lease Name Herschel Logan Well # 1

Field Name North Shuck

Producing Formation Chester

Elevation: Ground 2969' KB 2985'

Section Plat



OCT 22 1985
State Geological Survey
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # CC-82, 408-C
CC-13, 821 ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T 85-526
210' NW of Oil Well

☒ 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 city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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.

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
RECOMPLETION FORM
ACO-2 AMENDMENT TO WELL HISTORY

Operator: License # 5208
Name MOBIL OIL CORPORATION
Address P.O. BOX 5444
City/State/Zip DENVER, COLORADO 80217

Purchaser SOLD ON SPOT MARKET
Transporter TA'D

Operator Contact Person B. R. MAYNARD
Phone (303) 298-2069

Designate Type of Original Completion
☒ New ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☒ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply, etc.)

Date of Original Completion: 7/2/85

DATE OF RECOMPLETION

9/27/88 TA'D 10/18/88
Commenced Completed

Designate Type of Recompletion / Workover:

☐ Deepening ☐ Delayed Completion
☐ Plug Back ☒ Re-perforation
☐ Conversion to Injection / Disposal

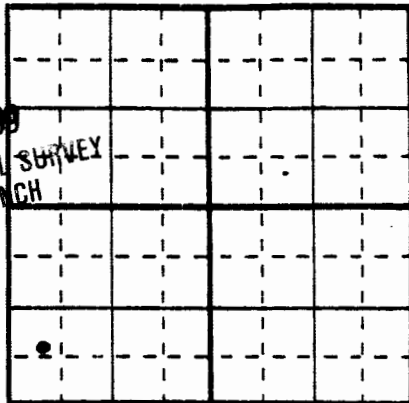
Is recompletion production:

☐ Commingled; Docket No. _____
☐ Dual Completion; Docket No. _____
☐ Other (Disposal or Injection)?

API No. 15- 189-20854COUNTY STEVENS

C SW SW Sec 1 Twp 32S Rge 35 X East
West

690 Ft North from Southeast Corner of Section
4800 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name HERSCHEL LOGAN WELL # 1Field Name NORTH SHUCKName of New Formation CHESTERElevation: Ground 2969' FT. KB 2985' FT. SECTION PLAT

K.C.C. OFFICE USE ONLY

☐ Letter of Confidentiality Attached
☐ Wireline Logs Received
☐ Drillers Timelog Received

Distribution
☒ ACC ☐ SWD/Rep ☐ NGPA
☒ IGS ☐ Plug ☐ Other
(Specify)

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 recompletion of any well. Rules 82-3-107 and 82-3-141 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 any additional wireline logs and driller's time logs (not previously submitted) shall be attached with this form. Submit ACO-4 prior to or with this form for approval of commingling or dual completions. Submit CP-111 with all temporarily abandoned wells. NOTE: Conversion of wells to either disposal or Injection MUST receive approval before use; submit form U-1.

All requirements of 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 B. R. Maynard B. R. MAYNARD Title REGULATORY COMPLIANCE MANAGER Date 1-16-89

Subscribed and sworn to before me this 16th day of January 19 89

Notary Public Jayne George Date Commission Expires 1/3/91

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name HERSCHEL LOGAN Well # 1

Sec 1 Twp 32S Rge 35 X ^{East}_{West} County STEVENS

RECOMPLETION FORMATION DESCRIPTION
XX Log Sample

Name Top Bottom
NO CHANGE FROM ACO-1

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth		Type of Cement	# Sacks Used
	Top	Bottom		
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	
4 SPF	5976' - 5981'	ACIDIZED W/2500 GALS WF-140 PAD, 2500 GALS GELLED ACID

PBFD 6290' FT. Plug Type Cement

TUBING RECORD:

Size 2-7/8 Set At 6010 FT. Packer At NA FT. Was Liner Run Y X

Date of Resumed Production, Disposal or Injection TA'D 10/18/88.

Estimated Production Per 24 Hours: bbl/oil bb/water
 MCF gas gas-oil ratio