

Amended 7/30/86

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

Purchaser Northern Natural Gas Co

Operator Contact Person J. F. Dawson
Phone (303) 298-2696

Contractor: License # 9137
Name Unit Exploration & Drilling

Wellsite Geologist V. Andresen
Phone (303) 298-2294

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
3/28/86 4/9/86 5/12/86
Spud Date Date Reached TD Completion Date
6597' 5967'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1864 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

API NO. 15-189-20,907-0000
County Stevens
W/2 NW NW Sec. 13 Twp. 32S Rge. 36 East West

4620 Ft North from Southeast Corner of Section
4780 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

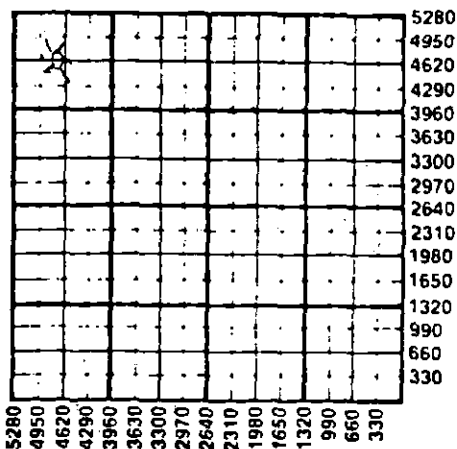
*Lease Name McGill #1-A Unit Well # 3

Field Name Wildcat Moscow NE

Producing Formation L Morrow

Elevation: Ground 3048 KB 3064

Section Plat



1-11-87

IAN 14 1987

STATE CORPORATION COMMISSION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # CD-82-418-G (C-13, 821)

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

Source of Water:
Division of Water Resources Permit # T86-166
200 feet NW of gas 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.

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 J. E. Dawson
Title Producing Accounting Supervisor Date 6-27-86

Subscribed and sworn to before me this 27th day of June 1986.
Notary Public Mary Ellen M. Fairbank
Date Commission Expires June 16, 1988

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

J.A. Williams for J.E. Dawson
This amended form is subscribed & sworn to before me this 31st day of July, 1986.
Deborah A. Cavette - Notary

Sec 13, Twp 32S, Rge 36E

Operator Name Mobil Oil Corporation Lease Name McGill #1-A Unit Well # 3

Sec. 13 Twp. 32S Rge. 36 East West County Stevens

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

Frac Data Report:

10,000 gals 70Q CO2 pad
 5,000 gals 70Q CO2 w/1 ppg 20/40
 1,050 gals 70Q CO2 w/2 ppg 20/40
 1,400 gals 70Q CO2 Flush

Name	Top	Bottom
Chase		2624
Winfield		2728
Council Grove		2966
Admire		3218
Wabaunsee		3370
Shawnee		3578
Lansing		4281
Kansas City		4510
Marmaton		4954
Cherokee		5194
Morrow		5638
Chester		5952
St. Genevieve		6174

CASING RECORD <input checked="" type="checkbox"/> New <input 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 1/2"	8.5/8"	32#	1864	65/35/6	750	3% CaCl2
Production	7.7/8"	5 1/2"	15.5#	6597'	50/50POZ	350	2% gel + 5% Salt
					65/35/6	100	3% CaCl2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	5931-39						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Size 2 7/8"	Set At 5904	Packer at 5920				
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input 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	
		Bbls	3400 MCF	Bbls	DPFS		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 5931-39
 Used on Lease Dually Completed
 Commingled

*130 sxs 50/50 POZ + 2% gel + 2% CaCl2