

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. E. Dawson
Phone (303) 298-2696

Contractor: License # 9137
Name Unit Drilling & Expl. Co.

Wellsite Geologist
Phone

Designate Type of Completion
 New Well Re-Entry Workover

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

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

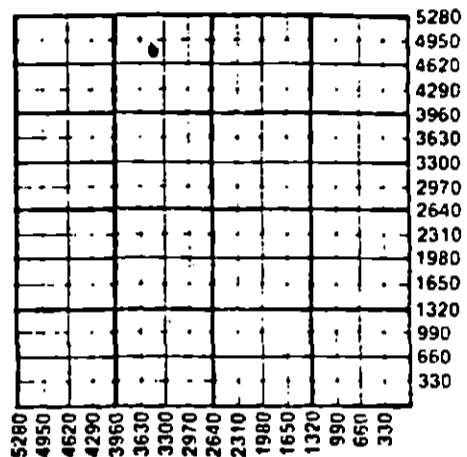
WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
6/13/87 6/23/87 7/13/87
Spud Date Date Reached TD Completion Date
6500 6466
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 1798 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 #

API NO. 15-189-21053-0000
County Stevens
NW NE NW Sec 22 Twp 32S Rge 36 East
4928 Ft North from Southeast Corner of Section
3579 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Chaffin #1 Unit Well # 3
Field Name Wildcat Moscow
Producing Formation Morrow
Elevation: Ground 3110 KB 3126

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # CO-82408 Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # T87-228
 Groundwater 4673 Ft North from Southeast Corner
(Well) 3579 Ft West from Southeast Corner of
Sec 22 Twp 32S Rge 36 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 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 KDFarber
Producing Accounting Supervisor
Title Date 7-30-87

Subscribed and sworn to before me this 30th day of July 1987
Notary Public
Date Commission Expires MY COMMISSION EXPIRES 7/2/90

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)
AUG 5 1987

Sec 22 Twp 32S Rge 36 W

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Chaffin #1 Unit Well # 3

Sec. 22 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

Name	Top	Bottom
Base Stone Corral	1809	
Sumner	2256	
Chase	2653	
Winfield	2720	
Council Grove	2946	
Admire	3155	
Wabaunsee	3354	
Shawnee	3703	
Lansing	4242	
Kansas City	4534	
Marmaton	4984	
Cherokee	5194	
Morrow	5639	
Chester	6042	
St. Genevieve	6232	
St. Louis	6329	
T.D.	6500	

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	24	1798	C	701	65/35/6 2% CaCl
					C	100	
Production	7 7/8	5 1/2	14	6500	H	370	50/50POZ 2% Gel
					H	320	50/50POZ 2% Gel

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
		2500 gals 7 1/2% Fe Acid	5730-
4	5930-5947	70,000 gals 700 CO2	
4	5956-5979	foam & 147,000# 20/40 sand, 6100 gal 2% KC Flush	5979

TUBING RECORD Size Set At Packer at Liner Run Yes No

Date of First Production waiting on pipeline Producing Method Flowing Pumping Gas Lift Other (explain)..... connection

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 5930-5979 O.A. Used on Lease Dually Completed Commingled