

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 # 5141
Name Zenith Drilling

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

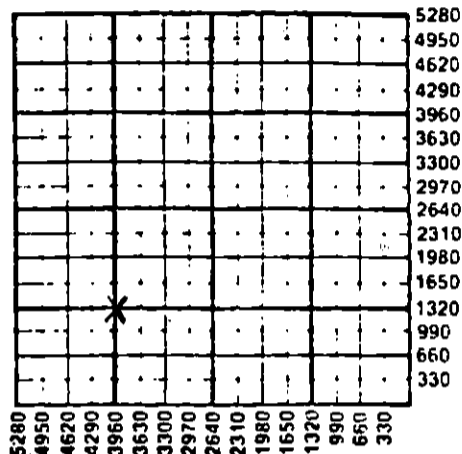
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
5/19/87 5/25/87 6/9/87
Spud Date Date Reached TD Completion Date
6700 3273
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 1727 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. 15-189-21039-00-00
County Stevens
C SW Sec 27 Twp 33S Rge 37 East
1320 Ft North from Southeast Corner of Section
3962 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Ruby M. Burrows Unit Well # 1
Field Name Panoma
Producing Formation Council Grove
Elevation: Ground 3108 KB 3120

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # D-117710 Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: T87-188
Division of Water Resources Permit #

Groundwater 1140 Ft North from Southeast Corner
(Well) 4003 Ft West from Southeast Corner of
Sec 27 Twp 33S Rge 37 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 J. E. Dawson
Producing Accounting Supervisor Date 7.28.87

Subscribed and sworn to before me this 28th day of July 1987
Notary Public Deborah A. Cavette
Date Commission Expires 7/2/90

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)
7-31-1987
JUL 31 1987

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Ruby M. Burrows Unit 1 Well #

Sec. 27 Twp. 33S Rge. 37 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
Chase	2601	
Council Grove	2918	
Admire	3180	
Wabaunsee	3308	
Shawnee	3687	
Heebner	4148	
Lansing	4311	
Kansas City	4606	
Marmaton	5003	
Cherokee	5392	
Morrow	5768	
Lower Morrow	6104	
Chester	6162	
St. Genevieve	6338	
St. Louis	6450	
T.D.	6700	

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 1/4	8 5/8	24	1727	C	666	65/35/6 2% CaCl
					C	100	2% CaCl
Production	7 7/8	5 1/2	14	3294	H	260	50/50POZ 2% Gel
					H	256	50/50POZ 2% Gel

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	2932-2971	2,000 gal 15% HCl acid	
		43,000 gal Appollo 30X-L Gel	
		6,000 gal 2% KCl	
		96,000# 12/20 sand	

TUBING RECORD	Size	Set At	Pecker at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....
<i>w/o Gasline connection</i>	

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

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 2932-2971
 Used on Lease Dually Completed
 Conningled