

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

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

Contractor: License # 9137
Name Unit Drilling & Exploration

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
4/19/86 4/28/86 6/21/86
Spud Date Date Reached TD Completion Date
6800 6754
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1824 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

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 7.31.86

Subscribed and sworn to before me this 31st day of July 1986
Notary Public Deborah Covette

Date Commission Expires MY COMMISSION EXPIRES 7/2/90

API NO. 15-189-20,912-00-00
County Stevens
NW NW NE Sec. 26 Twp. 34S Rge. 36 East West

4943.6 Ft North from Southeast Corner of Section 2310
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

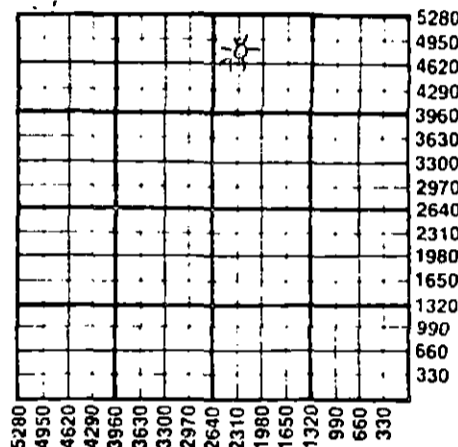
Lease Name Rush #1 Unit Well #. 2
(formerly Sarah Norton #2)

Field Name Wildcat De ARZON

Producing Formation L. Morrow

Elevation: Ground 3042 KB 3056

Section Plat



WATER SUPPLY INFORMATION

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

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

Source of Water:
Division of Water Resources Permit # T86-183
360' 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. #)

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

Section 24 Rge 36W

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Rush #1 Unit Well # 2

Sec. 26 Twp. 34S 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 rate 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:

2,000 gals PP
 20,000 gals pad
 6,000 gals SLF w/1 ppg 20/40
 12,000 gals SLF w/2 ppg 20/40
 14,000 gals SLF w/3 ppg 20/40
 8,000 gals SLF w/4 ppg 20/40
 6,240 gals disp.

Name	Top	Bottom
Sumner	2293	
Chase	2668	
Winfield	2789	
Council Grove	3033	
Admire	3322	
Wabaunsee	3446	
Shawnee	3904	
Lansing	4427	
Kansas City	4746	
Marmaton	5188	
Cherokee	5444	
Morrow	5907	
Chester	6346	
St. Genevieve	6546	
St. Louis	6686	

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"	24#	1824'	65/35	685	3% CaCl2
					"H"	100	2% CHCl2
Production	7 7/8"	5 1/2"	15.5#	6800'	"H"	350	2% Total gel
					*65/35	75	2% 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
2	6300-6307	6335-6343	(See Above)
	6233-6243	6253-6256	
	6260-6267	6277-6284	

TUBING RECORD	Size 2 7/8"	Set At	Packer at 6216	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gravity
		Not available at this time		

RELEASED
 SEP 16 1987
 FROM CONFIDENTIAL

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 6233-6343 O.A.
 Used on Lease Dually Completed
 Commingled

* 145 sx 50/50 POZ + 2% CaCl2