

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 T. N. Tyrdik  
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 OWNO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

1-22-86	1-30-86	3-2-86
Spud Date	Date Reached TD	Completion Date
6540	6472	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 1765 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3209 feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt

API NO. 15-189-20887-0000

County Stevens

NE SW Sec. 32 Twp. 32S Rge. 36  East  West

1980 Ft North from Southeast Corner of Section  
3300 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

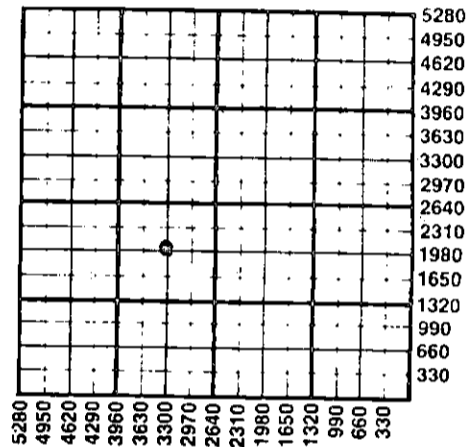
Lease Name Jordan Unit Well # 3

Field Name Wattenmeyer PANOMA GAS AREA

Producing Formation Lower Morrow

Elevation: Ground 3066.6' KB 3082.6'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # CD-117,710 (C-19,203)

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

Source of Water:  
Division of Water Resources Permit # T86-41  
200 feet W 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 Production Accounting Supervisor Date 4.25.86

Subscribed and sworn to before me this 2nd day of May 1986  
Notary Public

Date Commission Expires 6/16/88

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)

STATE CORPORATION COMMISSION

MAY 14 1986

CONSERVATION DIVISION  
Wichita, Kansas

Form ACO-1 (7-84)

Sec 32 Twp. 32S Rge. 36W

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Jordan Unit Well # 3

Sec. 32 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 Record:

4,000 gals pre-pad  
 25,000 gals pad  
 10,000 gals foam w/1 ppg 20/40 sd  
 15,000 gals foam w/2 ppg 20/40 sd  
 20,000 gals foam w/3 ppg 20/40 sd  
 5,000 gals foam w/4 ppg 20/40 sd  
 1,350 gals flush

Name	Top	Bottom
Chase	2592	
Winfield	2697	
Council Grove	2924	
Admire	3191	
Wabaunsee	3341	
Heebner	4150	
Lansing	4210	
Kansas City	4608	
Marmaton	5024	
Cherokee	5256	
Morrow	5784	
Chester	6121	
Ste. Genevieve	6331	
St. Louis	6442	

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"	32#	1765	65/35POZ	670	3% CaCl <sub>2</sub>
Production	7-7/8"	5-1/2"	15.5#	6538	"H"	100	3% CaCl <sub>2</sub>
				*	65/35	75	2% gel+5% salt 3% CaCl <sub>2</sub>
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	5982-5992			(see frac record above)			
	6025-6035						
	6039-6045						
TUBING RECORD		Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
		2-7/8"	5836	5850			
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	---- MCF	---- Bbls	---	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 5982-6045 O.A.  
 Used on Lease  
 Dually Completed  
 Commingled

\*130 sx 50/50 poz + 2% CaCl<sub>2</sub>