

*\*Amended*

SIDE ONE

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. Tvrdik  
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 ONWO: old well info as follows:  
Operator \_\_\_\_\_  
Well Name \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
3/7/86 3/14/86 4/17/86  
Spud Date Date Reached TD Completion Date  
6490 6444  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1795 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3229 feet  
If alternate 2 completion, cement circulated from \_\_\_\_\_ feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ SX cmt

API No. 15-189-20901-0000  
County Stevens  
Sec. 33 Twp. 32S Rge. 36  East  West

3300 Ft North from Southeast Corner of Section  
4620 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

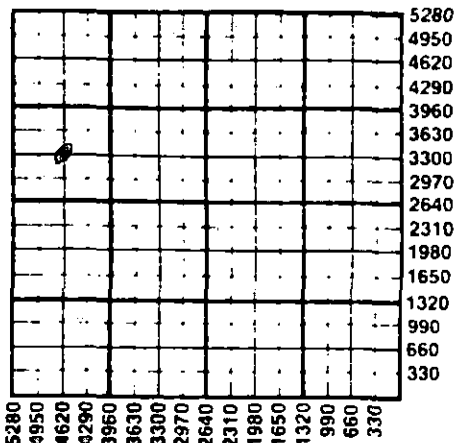
Lease Name Wing #1 Unit Well # 3

Field Name Walkemeyer

Producing Formation L. Morrow

Elevation: Ground 3073' KB 3090'

Section Plat



WATER SUPPLY INFORMATION

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

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # T86-121

Groundwater 3330 Ft North from Southeast Corner  
(Well) 4780 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 J. E. Dawson  
Title Producing Accounting Supervisor Date 10.9.86

Subscribed and sworn to before me this 9th day of October  
1986.  
Notary Public Deborah 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)

\* I J. E. Dawson 11.19.86  
Subscribed & sworn to before me this 19th day of November, 1986.  
MY COMMISSION EXPIRES 7/2/90 Deborah Cavette Notary

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Wing #1 Unit Well # 3  
 Sec. 33 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:

4,000 gals gelled water prepad  
 9,450 gals foam pad  
 3,659 gals foam w/1 ppg 20/40  
 5,726 gals foam w/2 ppg 20/40  
 7,951 gals foam w/3 ppg 20/40  
 1,500 gals foam w/4 ppg 20/40  
 730 gals foam flush

Name	Top	Bottom
* Chase	2638	
Winfield		
Council Grove	2945	
Admire	3240	
Wabaunsee	3360	
Lansing	4300	
Kansas City	4627	
Marmaton	5005	
Cherokee	5205	
Morrow	5720	
Chester	6118	
St. Genevieve	6305	
St. Louis	6407	
T.D.	6490	

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#	1795'	65/35POZ	680	3% CaCl2
					"H"	100	3% CaCl2
Production	7 7/8"	5 1/2"	15.5#	6490'	"H"	318	2% gel
					*65/35POZ	104	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	
4	5995-6013						
	6034-6045						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size		Set At		Packer at			
2 7/8"		5848		5861'			
Date of First Production		Producing Method					
N/A		<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	2260 MCF	Bbls	CFPB		

METHOD OF COMPLETION

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

Production Interval  
 5995-6045 O.A.  
 2158  
 2018

\*146 sxs 50/50 POZ + 2% gel