

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 82017

Purchaser Northern Natural Gas Company

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

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

Wellsite Geologist Jens Munthe  
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 OWNO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
2-4-85 2-18-85 \*5-6-85  
Spud Date Date Reached TD Completion Date  
6720' 3140'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1747 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

API NO. 15-189-20801-00-00

County Stevens  
SW NE SW Sec. 17 Twp. 33S Rge. 35  East  West

1650 Ft North from Southeast Corner of Section  
3630 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

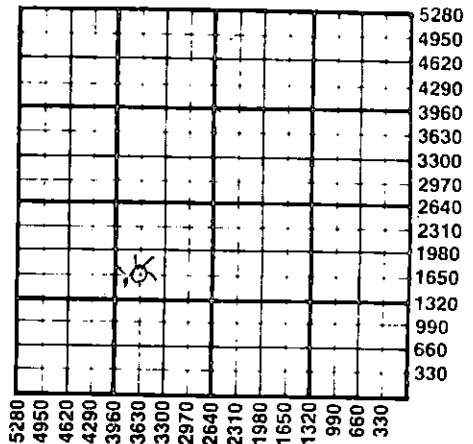
Lease Name Sandy #1 Unit Well # 2

Field Name Pamona

Producing Formation Council Grove

Elevation: Ground 2986' KB 3002'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # CD-3805  
CC-19,820

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

Source of Water:  
Division of Water Resources Permit # T84-798

Groundwater 1650 Ft North from Southeast Corner (Well) 3660 Ft West from Southeast Corner of Sec 17 Twp 33 Rge 35  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 Producing Accounting Supervisor Date 4-11-88

Subscribed and sworn to before me this 11 day of April 1988

Notary Public Claudia C. Soustek

Date Commission Expires 2-9-88

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)

MAY 19 1988  
CONSERVATION DIVISION  
Wichita, Kansas

Sec 17, Twp 33, Rge 35

Operator Name Mobil Oil Corporation Lease Name Sandy #1 Unit Well # 2  
 Sec. 17 Twp. 33S Rge. 35  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

Acid/Frac Program

Halliburton Frac'd down tbg as follows:  
 4000 gals apollo 30 @ pad  
 3000 gals apollo 30 w/1 ppg 16/30  
 3000 gals apollo 30 w/2 ppg 16/30  
 3000 gals apollo 30 w/3 ppg 16/30  
 3000 gals apollo 30 w/4 ppg 16/30  
 3000 gals apollo 30 w/5 ppg 16/30

Name	Top	Bottom
Winfield	2743	
Council Grove	2973	
Admire	3238	
Wabaunsee	3368	
Shawnee	3775	
Lansing	4271	
Kansas City	4635	
Marmaton	5033	
Cherokee	5263	
Morrow	5729	
Chester	6045	
Ste. Genevieve	6314	
St. Louis	6445	

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"	9-5/8"	36#	1747'	Class H	500	12% gel, 3% CaCl <sub>2</sub>
Production	8-5/8"	5-1/2"	15.5#	6712'	Class H	100	CaCl <sub>2</sub> (3%)
					Class H	500	50/50 poz
					Class H	85	4% gel, 12% 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
2	* 2985-90 3050-56 3007-10 3012-16			See acid/frac Record detailed above			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size 2-7/8"	Set At 5966'	Packer at 5935'				
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)						
	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
Estimated Production Per 24 Hours	--- Bbls	--- MCF	--- Bbls	--- CFPB			

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

Production Interval  
 \*2985-3056 O.A.  
 .....