

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 Corp.
Address P.O. Box 5444
City/State/Zip Denver, CO 80217-5444

Purchaser Northern Natural Gas Company

Operator Contact Person J L Douglass
Phone (303) 298-2047

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 OWHO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

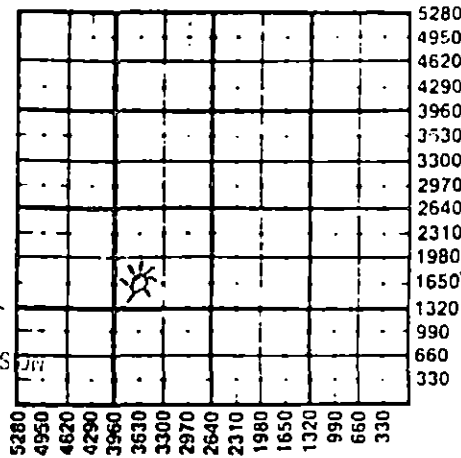
Drilling Method:

Mud Rotary Air Rotary Cable

2-4-85 2-18-85 4-30-85
Spud Date Date Reached TD Completion Date
6720' 3140'
Total Depth PBTD

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. 15-189-20,801-00-00
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 Panoma Gas Area *
Producing Formation Council Grove
Elevation: Ground 2986' 3002' KB
Section Plat



RECEIVED
STATE CORPORATION COMMISSION
MAY 31 1985
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # CD-3805
(C-19,820)

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: T84798'
Division of Water Resources Permit #

Groundwater 1650 Ft North from Southeast Corner (Well) 3660 Ft West from Southeast Corner 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. Rules 82-3-101 and 82-3-107 apply. Information on 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

Subscribed and sworn to before me this 22nd day of May 1985
Notary Public
Date Commission Expires 10/26/1988

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

Sec 17 Twp. 33 Rge. 35

SIDE TWO

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 ₂
					Class H	100	CaCl ₂ (3%)
Production	8-5/8"	5-1/2"	15.5#	6712'	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			(see acid/frac record detailed above)			
	3007-10						
	3012-16						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size 2-7/8"	Set At *3048'	Packer at *3061'				
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	Gravity	
----- Bbls			----- MCF				

METHOD OF COMPLETION

Production Interval

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

2985-3056 O.A.

RELEASED
 SEP 1 1967

FROM CONFIDENTIAL