

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 80217-5444

Purchaser Northern Natural Gas Company

Operator Contact Person J. L. Douglass
Phone 303/298-2047

Contractor: License # 6666
Name NRG Drilling, Inc.

Wellsite Geologist Grant Zimbrick
Phone 303/298-2483

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp
 Dry Other (Core, Water Supply etc.)
If OWWO: old well info as follows:
Operator _____
Well Name _____
Comp. Date _____ Old Total Depth _____

WELL HISTORY

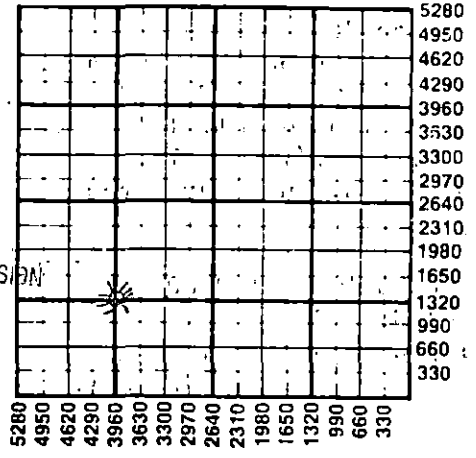
Drilling Method:
 Mud Rotary Air Rotary Cable
11/3/84 11/7/84 1/16/85
Spud Date Date Reached TD Completion Date
3214' 3180'
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 669 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ feet
If alternate 2 completion, cement circulated from _____ feet depth to _____ w/ _____ SX cmt

API NO. 15-189-20,799-00-00
County Stevens
C SW Sec. 13 Twp. 33S Rge. 36 East West

1320 Ft North from Southeast Corner of Section
3960 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Cannon Unit Well # 2
Field Name Panoma
Producing Formation Council Grove
Elevation: Ground 3018.5' KB 3026.5'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
MAR 07 1985
OIL & GAS 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:
Division of Water Resources Permit # _____
 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) Jim Moss Irrigation Well- Fresh Water Dist. #4 M.D.S.C.W., KS. (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
Producing Accounting Supervisor
Title _____ Date 3-1-85

Subscribed and sworn to before me this 1st day of MARCH 1985
Notary Public Peggy Marcus
Date Commission Expires 1-9-85

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)

NEW PANOMA WELL
PRODUCER CODE 6010

Sec. 13 Twp. 33Rge. 36W

Operator Name Mobil Oil Corporation Lease Name Cannon Unit Well # 2

Sec. 13 Twp. 33S Rge. 36W 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

Name	Top	Bottom
Chase	2608	
Council Grove	2960	
T.D.	3214	

Acid/Frac Record:

Breakdown perforations w/3000 gals. of 15% HCL at a max. rate of 10 BPM. Frac down casing w/20#/1000 gal. of non X-linked gel, + 1 gal./1000 gals. breaker + 0.1 gal./1000 gals. bactericide and 1 gal./1000 gals. suds surfactant.

Pad 10,000 gal. gel
 Sand Laden Gel 100,000 gal. gel
 Total 20/40 Sand 150,000 lbs.
 Total 12/20 Sand 120,000 lbs.
 Flush 2,970 gal. fresh water

CASING RECORD <input 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#	669'	Class H	375	12% gel, 3% CaCl ₂
Production	7-7/8"	5-1/2"	15.5#	3212'	Class H	510	12% gel, 6% gel, 1/2# flocele
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	2970' - 2974'			See acid/frac record detailed above			
	2978' - 2984'						
	2990' - 3000'						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at			
2 3/8"		3023.02'					
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)
 Used on Lease Dually Completed Commingled

.....2970/3000 O.A.

NEW PANAMA WELL
 PRODUCER CODE