

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 303-7298-2047

Contractor: License # 6666
Name NRG Drig. Co.

Wellsite Geologist Kathy Stollenwerk
Phone 303-7298-2733

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
10/29/84 11/2/84 12/21/84
Spud Date Date Reached TD Completion Date
3200 3176
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 717 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. 15-189-20,783-60-00
County Stevens
C W/2 9 33S 35 East
Sec Twp Rge West

2640 Ft North from Southeast Corner of Section
3960 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

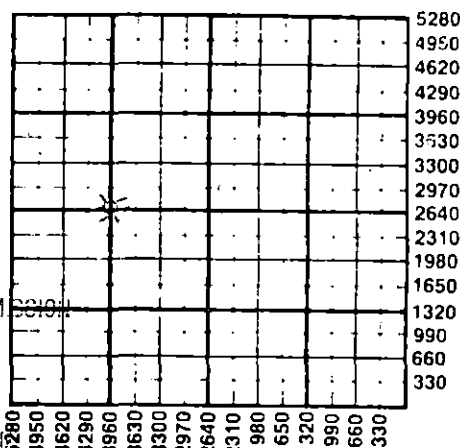
Lease Name Smith #1 Unit Well # 2

Field Name Panama

Producing Formation Council Grove

Elevation: Ground 2969' 2977' KB

Section Plat



RECEIVED
1-28-1985
JAN 28 1985
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # CD-82,408-C Repressuring
(C-13,821)

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
Jim Mosse Irrigation well

Other (explain) Fresh water Dist. #4, Moscow, 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 1-23-85

Subscribed and sworn to before me this 23 day of January 1985
Notary Public Judith A. Blase
Date Commission Expires 11-28-88

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

NEW PANOMA WELL
PRODUCER CODE 6010

Sec. 9
Twp. 33
Rge. 35W

Operator Name Lease Name..... Well #.....

Sec. 9 Twp. 33S Rge. 35W 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 Procedure:

Brk down perms w/2700 gals. 15% HCL at a max rate of 10 BPM. Dropped 65 balls through treatment. Frac down csg. with 20#/1000 gals. of non x-linked gel, + 1 gal./1000 gals. breaker and 0.1 gal/1000 gals. bactericide and 1 gal./1000 gals. suds surfactant.

Name	Top (Depth)	Bottom
Chase	2598	
Council Grove	2978	
T.D.	3200	

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#	717'	Class H	375	12% gel + 3% CaCl ₂
Production	7 7/8"	5 1/2"	15.5#	3200'	65/35 pqz Class H	360 115	6% gel + 4% Halad + 1/4% cellophane
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	2994' / 3006'			See acid/frac record detailed above			
	3008' / 3012'						
	3016' / 3020'						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
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 Sold Used on Lease
 Open Hole Perforation Other (Specify)

2994/3020' O.A.

Dually Completed Completed

NEW PANOMA WELL
 PRODUCER CODE