

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 # 6663
Name Damac Drilling Great Bend, KS

Wellsite Geologist Pinar Yilmaz
Phone 303/298-2555

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
5/17/84 5/24/84 8/5/84
Spud Date Date Reached TD Completion Date
3200' 3025'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1809 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. 15-189-20691-00-00
County Stevens
SE NE SW Sec. 8 Twp. 33S Rge. 35 East West

1739 Ft North from Southeast Corner of Section
2888.5 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

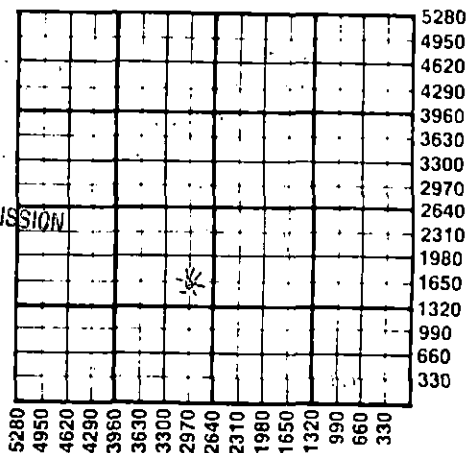
Lease Name Crawford Ut. Well #2

Field Name Panama

Producing Formation Council Grove

Elevation: Ground 2975' KB 2983'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
11-19-1984
NOV 19 1984
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: N/A when drilled
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) Hauled-trucked from City of Hugoton (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 Alberta Fox for J. E. Dawson
Producing Accounting Supervisor
Title Date 11-14-84

Subscribed and sworn to before me this 14 day of November 1984
Notary Public Judith A. Olsen
Date Commission Expires 11-28-84

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. 8 Twp. 33S Rge. 35W

Operator Name Mobil Oil Corporation Lease Name Crawford Ut. Well # 2

Sec. 8 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

Name	Top	Bottom
Chase	2614	
Council Grove	2964	

Acid/frac Record

8/5/84: Perf through lubricator at intervals 3002/3004, 3006/3008, 3014/3018, & 2990/2996' with 2 SPF. Made 2 swab runs, no fluid recovery. Breakdown at 18 BPM, 2200 psi. Dropped 48 ball sealers. Balled off. Knocked ball free with swab tool. Frac with 10,000 gallons gel, 100,000 gallons gelled water, 270,000 lbs. 20/40 sand.

Sgd. w/cement 8/5/84

C. G. Perfs: 3 6-3108
 3038-3042
 3050-3052
 3002-3004
 3006-3008
 3014-3018
 2990-2996

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#	1809'	Class H	710	.12% gal + .3% CaCl ₂
Production	7.7/8"	5.1/2"	15.5#	3198'	Class H	605	.3% CaCl ₂ , .65/35. p/z. 6% gel, 1/2# 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
.....	See perfs. designated above			See acid/frac. record detailed above			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
		2 3/8"	3006.11'				
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 Conmingled

2990-3018' UA

