

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 Drilg 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

Spud Date 7/2/84 Date Reached TD 7/6/84 Completion Date 8/11/84

Total Depth 3150' PBD 3100'

Amount of Surface Pipe Set and Cemented at 750 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. 15-189-20,738-00-00
County Stevens
NW Sec. 7 Twp. 33S Rge. 35

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

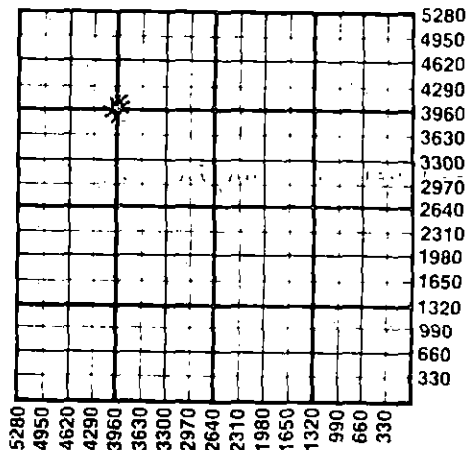
Lease Name Mann #3 Ut. Well #4

Field Name Panama

Producing Formation Council Grove

Elevation: Ground 2992.6' KB 3000.6'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # CD-82,408 C(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 # (purchased water from irrigation well oper.)

Groundwater 3960 Ft North from Southeast Corner (Well) 3960 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) (purchased from city, R.W.D. #)

RECEIVED

SEP 24 1984

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 slide 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-1 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 C. J. Park
Producing Accounting Supervisor
Title Date

Subscribed and sworn to before me this 21st day of Sept 1984
Notary Public Pamela J. [Signature]

Date Commission Expires November 26 1984

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)

Sec. 7 Twp. 33Rge. 35W

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Mann #3 Ut. Well # 4

Sec. 7 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 2610
 Council Grove 2958

Acid/frac Record

Frac: pad 357 bbls., 70 BPM; gel wtr. 238 bbls.
 72 BPM, 1 ppg 20/40 sand; gel wtr. 238 bbls., 72 BPM
 2 ppg 20/40 sand; gel wtr. 1786 bbls., 71 BPM, 3 ppg
 20/40 sand; min 850#, avg. 1000#, avg. rate 71 BPM,
 sand pumped 255,000# 20/40, ISIP 250 psi, 5 min. press
 50 psi, on vacuum in 9 min. RD Howco.

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#	750'	Class H	150	12% gel + 3% CaCl ₂
Production	7 7/8"	5 1/2"	15.5#	3150'	Class H	125	3% CaCl ₂
					Class H	155	65/35 poz 6% 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	2978-2992	See frac record detailed above	

TUBING RECORD			
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8"	2998.07'	2948'	

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	

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

.....2978-2992.....