

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 Mohil 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 Company

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  
8/1/84 8/8/84 10/31/84  
Spud Date Date Reached TD Completion Date  
3200' 3163'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1730 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. 15-189-20,741-00-00  
County Stevens  
SE NW NW Sec. 35 Twp. 34S Rge. 36  East  West

4030 Ft North from Southeast Corner of Section  
4022 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

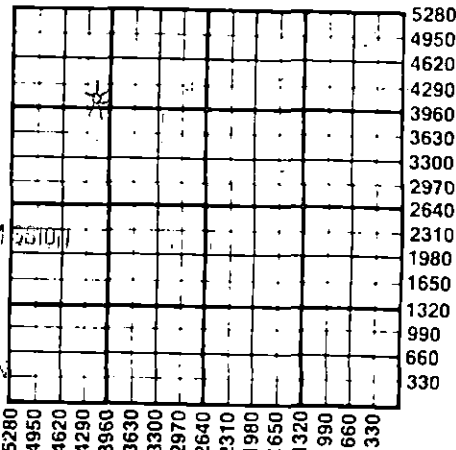
Lease Name Haworth #1 Unit Well #3

Field Name Panoma

Producing Formation Council Grove

Elevation: Ground 3026.9' 3034.9' KB

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
DEC 14 1984  
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: Will furnish as soon as info. is available  
Division of Water Resources Permit # available

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) (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 12/12/84

Subscribed and sworn to before me this 12 day of December 1984  
Notary Public Judith A. Olsen  
Date Commission Expires 12-28-88

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 10010

Sec 35 Twp 34S Rge 36W

Operator Name Mobil Oil Corporation Lease Name Haworth #1 Unit Well # 3

Sec. 35 Twp. 34S 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	2685	
Council Grove	3012	
T.D.	3200	

Acid/Frac Record

Halliburton acidized formation w/2200 gals. 15% HCL acid. Formation broke at 500 psi. Dropped 67 1.1 S.G. ball sealers through treatment. Halliburton frac'd down casing w/75,000 gel gelled 2% KCL + 172,500# 20/40 sand at 60 BPM.  
 10,000# sand at 1 ppg  
 20,000# sand at 2 ppg  
 142,500# sand at 3 ppg

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#	1730'	Class H	450 12%	gel, 3% CaCl <sub>2</sub>
Production	7 7/8"	5 1/2"	15.5#	3185'	65/35 Poz Class H	450 6% Gel, 155 8% salt, .2% defoamer	1/2# sk/cell of floccle
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	3037-3039 3041-3054			Acid/Frac Record detailed above			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size 2 3/8"		Set At 3052'		Packer at	
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) .....  
 Dually Completed  Commingled

.....3037-3054 OA