

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. I. 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 OWM: old well, info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

6/10/84... 6/15/84... 8/14/84...
Spud Date Date Reached TD Completion Date
3200'... 3150'...
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at... 605 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set... feet
If alternate 2 completion, cement circulated
from... feet depth to... SX cm

METHOD OF COMPLETION

Disposition of gas: ☐ Vented
☒ Sold
☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Coning/led

API NO. 15-..... 189-20,739.....

County..... Stevens.....

..... SE. NW. Sec. 9... Twp. 32S Rge. 35 ☐ East ☒ West

3939..... Ft North from Southeast Corner of Section
3847..... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

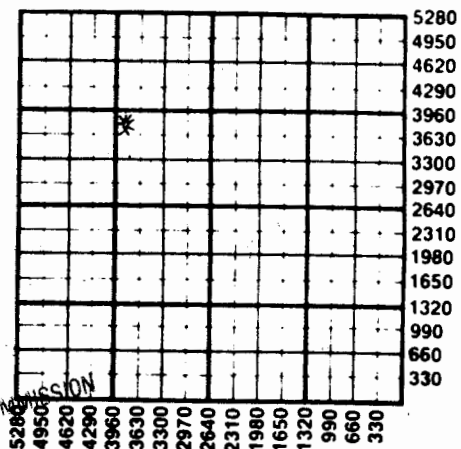
Lease Name..... Bolinger A-1 Ut. Well #..... 2.....

Field Name..... Panama.....

Producing Formation..... Council Grove.....

Elevation: Ground..... 3002'..... 3011'..... KB.....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket #..... CD-82,408-C ☐ Repressuring
Wichita, Kansas C(C-13,821)

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: No well 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).....

(purchased from city R.W.D. #)

Production Interval

....2968-2986! O.A.

NEW PANAMA WELL

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name..... Bolinger A-1 Ut. Well #..... 2

Sec. 9 Twp. 32S Rge. 35 ☐ East ☒ West County.... Seward.....

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	2906	
Council Grove	2946	

Acid/frac Record

8/13/84: RU Howco to acidize: Load annulus w/51 bbls. 2% KCL wtr. Press annulus to 1000 psi. Load tbgs. w/12 bbls. 15% HCL acid. Break CONN w/4700 psi. Pump remaining 6 bbls. acid, spacing 45 ball sealers throughout. Displace w/13 bbls. 2% KCL wtr. RU Halliburton to frac. Frac as follows: pad 179 bbls. 63 BPM; gel wtr 238 bbls. 62 BPM, 1 ppg 20/40 sand; gel wtr. 238 bbls. 62 BPM, 2 ppg. 20/40 sand; gel wtr. 1131 bbls. 62 BPM, 3 ppg 20/40 sand, flush 71 bbls. 62 BPM. Max press 950 psi, min press 700 psi, avg. press 750 psi, avg. rate 62 BPM. Sand pumped 172,500# 20/40. ISIP 170 psi, 5 min. 30 psi on vac in 6 min. RD Howco.

CASING RECORD ☒ New ☐ 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#	605'	Class H	275	12% gel + 3% CaCl ₂
Production	7 7/8"	5 1/2"	15.5#	3200'	Class H	410	65/35 poz. 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	
2	2968-2974			Acid/frac record detailed above			
	2976-2978						
	2984-2986						
TUBING RECORD				Liner Run ☐ Yes ☐ No			
Size 2 3/8"		Set At 3021.68'		Packer at 2925'			
Date of First Production		Producing Method					
		☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....					