

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 # 6666  
Name NRG Drlg. Company

Wellsite Geologist Grant Zimbrick  
Phone 303/298-3669

Designate Type of Completion

- New Well  Re-Entry  Workover
- Oil  SWD  Temp Abd
- Gas  Inj  Delayed Comp.
- Dry  Other (Core, Water Supply etc.)

If OWNO: old well info as follows:

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

WELL HISTORY

Drilling Method:

- Mud Rotary  Air Rotary  Cable

11/30/84 / 12/4/84 1/23/85  
Spud Date Date Reached TD Completion Date  
3208 3150  
Total Depth PBDT

715

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ 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. 15-15-189-20,798-00-00  
County Stevens  
S/2 NE Sec. 35 Twp. 33S Rge. 36  East  West

3810 Ft North from Southeast Corner of Section  
1320 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

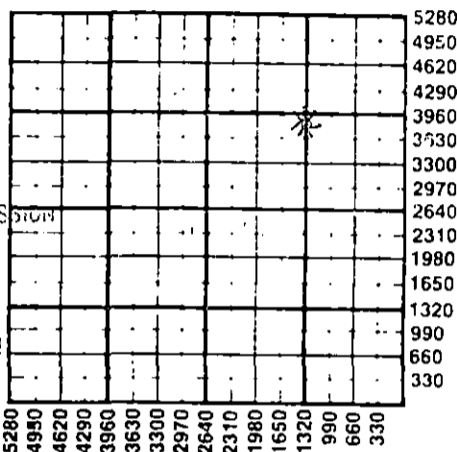
Lease Name Heger #1 Unit Well # 2

Field Name Panoma

Producing Formation Council Grove

Elevation: Ground 3024' KB 3032'

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION

MAR 22 1985  
3-22-85  
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:  
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 Moss 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-A form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

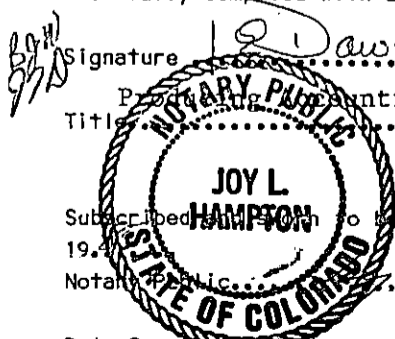
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature J. E. Dawson  
Title Producing Superintendent Date 3-19-85

Subscribed and sworn to before me this 19th day of March 1985  
Notary Public J. Hampton

Date Commission Expires 11/30/86  
My Commission expires November 30, 1986  
1225 17th Street  
Denver, Colorado 80202

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 35 Twp 33 Rge 36

Operator Name Mobil Oil Corporation Lease Name Heger #1 Unit Well # 2  
 Sec. 35 Twp. 33S Rge. 36W 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	2641	
Council Grove	2992	

Acid/Frac Record:

Breakdown perforations w/2100 gals. of 15% HCL at a maximum rate of 10 BPM. Frac down 5 1/2" casing with 30#/1,000 gals. of X-linked gel, containing 2 1/2 gal./1,000 gals. ph buffers; 1 gal/1000 gal. breaker, 2 gal./1000 gal. surfactant, 0.3 gal./1000 gals. x-linker and 0.1 gal. bactericide at 30 BPM.

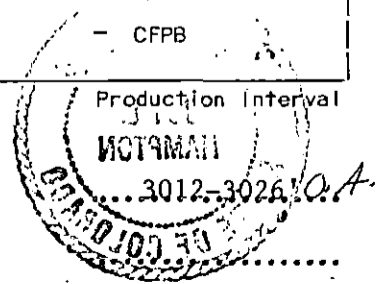
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	2.1/4"	8.5/8"	32#	715'	Class. H	375	12% gel, .3% CaCl <sub>2</sub>
Production	7.7/8"	5.1/2"	15.5#	3208'	Class. H	25	12% gel, .65/35 poz 6% gel, 8% salt
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	3012'/3026'			See 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 3051.14'		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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity CFPB	

METHOD OF COMPLETION

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

Dually Completed  Completed

NEW PANOMA WELL  
 PRODUCER CODE



Production Interval expires November 30, 1961