

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

Purchaser Northern Natural

Operator Contact Person J. E. Dawson  
Phone (303) 298-2696

Contractor: License # 6666  
Name NRG

Wellsite Geologist B. B. Robinson  
Phone (303) 298-3646

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  
3/15/86 3/20/86 4/23/86  
Spud Date Date Reached TD Completion Date  
3135 3089  
Total Depth PBT

Amount of Surface Pipe Set and Cemented at 950 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. 15-055-20-640-0000

County Finney

SE..SE..NW.. Sec.26.. Twp.24S..Rge.34..  East  West

3111.... Ft North from Southeast Corner of Section  
2740.... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

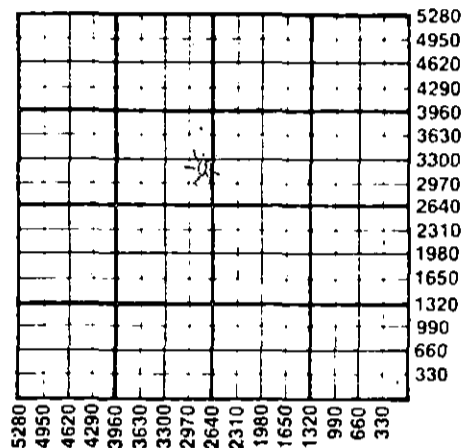
Lease Name Brown #8 Farm Well # 9

Field Name Panoma

Producing Formation Council Grove

Elevation: Ground 2948' KB 2959'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # CO-4809

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  
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  
Riverside Ranch Sec. 17-24S-33W

Other (explain) Finney County  
(purchased from city, R.W.D. #)  
ABD Sandpit. Hauled via Latham

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

Title Producing Accounting Supervisor Date 9.18.86

Subscribed and sworn to before me this 18th day of September 1986

Notary Public Deborah Cavette

MY COMMISSION EXPIRES 7/2/90

Date Commission Expires

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)

Section 24 Rge. 34

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Brown #8 Farm Well # 9  
 Sec. 26 Twp. 24S Rge. 34  East  West County Finney

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

Frac Data Report:

4032 gals A20-2 acid  
 3024 gals Fresh H2O pre-pad  
 9996 gals 20# gel pad  
 9996 gals 20# gel w/1 ppg 20/40  
 10,032 gals 20# gel w/2 ppg 20/40  
 40,186 gals 20# gel w/3 ppg 20/40  
 2,898 gals Fresh H2O  
 Base Fluid: Fresh water flush.

Name	Top	Bottom
Stone Corral	1900	
Chase	2531	
Council Grove	2840	

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#	950	"H"	330	12% gel + 3% CaCl2
					"H"	100	3% CaCl2
Production	7.7/8"	5 1/2"	15.5#	3134	"H"	380	6% gel
					"H"	130	2% gel

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2866-2884		

TUBING RECORD Size 2 3/8" Set At 2907' Packer at Liner Run  Yes  No

Date of First Production N/A Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas 300 MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION

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

Production Interval  
 2866-2884