

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 Gas

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

Contractor: License # 6666
Name NRG Drilling, Inc.

Wellsite Geologist J. M. Bauman
Phone (303) 298-3706

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
2-13-86 2-17-86 4-3-86
Spud Date Date Reached TD Completion Date
3300 3261
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 715 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. 15-189-20,900-00-00
County Stevens
NE SW SE Sec 1 Twp 34S Rge 37 East West

1250 Ft North from Southeast Corner of Section
1450 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

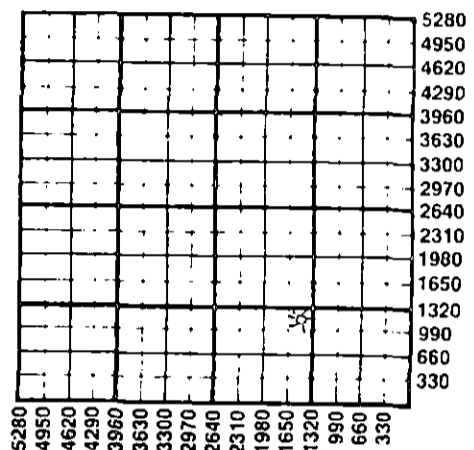
Lease Name Schowalter #1 Unit Well # 3

Field Name Panoma

Producing Formation Council Grove

Elevation: Ground 3101.2 3112.2 KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # CP-8787
(C-19,411)

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
 Other (explain) City of Hugoton (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

Title Production Accounting Supervisor Date

Subscribed and sworn to before me this 19th day of May 1986
Notary Public Mary Ellen M. Finkels

Date Commission Expires 6/16/88

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)

RECEIVED
STATE CORPORATION COMMISSION
MAY 27 1986
CONSERVATION DIVISION
Wichita, Kansas

Sec 1 Twp 34S Rge 37W

SIDE TWO

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

Sec. 1 Twp. 34S Rge. 37 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

Frac Report:

13,000 gals pad
 4,000 gals SLF w/1ppg 12/20 sd
 5,000 gals SLF w/2 ppg 12/20 sd
 6,000 gals SLF w/3 ppg 12/20 sd
 5,000 gals SLF w/4 ppg 12/20 sd
 2,280 gals flush

Name	Top	Bottom
B/Taloga	742	
T/Glorietta	1222	
B/Glorietta	1400	
T/Stone Corral	1700	
B/Stone Corral	1765	
B/Chase	2640	
T/Council Grove	2998	

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#	715'	"H"	220	12% gel + 3% CaCl ₂
Production	7-7/8"	5-1/2"	15.5#	3298'	"H"	100	3% CaCl ₂
					"H"	450	4% Halad
					"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
	3044-3050	(see above)	
	3031-3038		

TUBING RECORD Size 2-3/8" Set At 3087' Packer at _____ Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
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METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 3031-3050 O.A.
 Dually Completed Commingled