

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 Co.

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

Contractor: License # 7547
Name Patrick Well Service

Wellsite Geologist
Phone

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWNED: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2/6/87 N/A 2/25/87
Spud Date Date Reached TD Completion Date
6350 2862
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1804 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
Cement Company Name
Invoice #

API NO. 15-189-20794-2-0000
County Stevens
C. SW SW Sec. 31 Twp. 32S Rge. 37 East
XX West

660 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

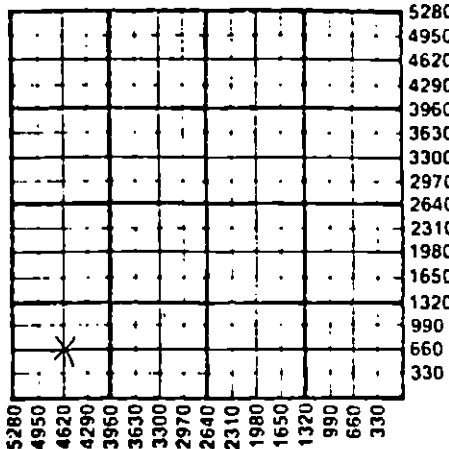
Lease Name Pottorf #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3155 KB 3171

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # CD-82, 408-6
C-13,821 Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T84901
100' SW of Gas well

Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec 31 Twp 32S Rge 37 East XX 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 triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 3.20.87

Subscribed and sworn to before me this 20th day of March 1987

Notary Public Debra A. 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 Time Log Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Sec. 31 Twp. 32 Rge. 37

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

Sec. 31 Twp. 32S 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

*Acid = 7500 gals. 7.5% Fe Acid
 Frac:
 50,000 gals
 6,000 gals X-Linked gel, 12,000# 20/40
 10,000 gals X-Linked gel, 30,000# 20/40
 12,000 gals X-Linked gel, 48,000# 20/40
 20,000 gals X-Linked gel, 100,000# 20/40
 20,000 gals X-Linked gel, 120,000# 20/40
 2,500 gals Flush 2% Kcl

Name	Top	Bottom
Chase	2558	
Council Grove	2868	
Wabaunsee	3295	
Heebner	4098	
Lansing	4224	
Marmaton	4904	
Cherokee	5104	
Morrow	5646	
L. Morrow	5973	
Mississippian	6109	

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 1/2	9 5/8	36	1804	Class H	550	12% gel + 3% CaCl
					Class H	100	3% CaCl
Production	8 3/4	5 1/2	15.5	6350	Class H	300	12% gel + 3% CaCl
						275	3% CaCl

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2534-2778	*See above	

TUBING RECORD Size N/A Set At Packer at Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift Other (explain) w/o pipeline connection

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

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) 2534-2778 Dually Completed Conminged