

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 # 9137
Name Unit Drilling & Exploration

Wellsite Geologist G. D. 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 ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
8/16/86 8/25/86 9/17/86
Spud Date Date Reached TD Completion Date
6800' 6350'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1726 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3347 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-189-20,925-00-00
County Stevens
C NE NE 24 34S 36 East
Sec Twp Rge East
West

4618 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

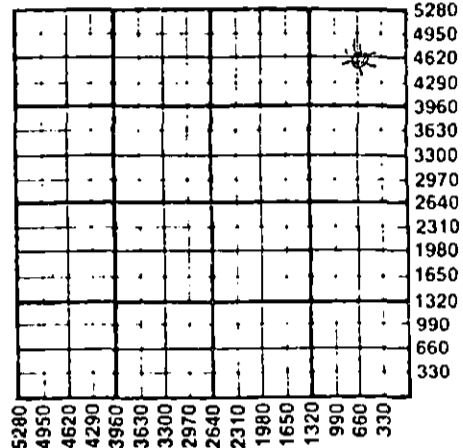
Lease Name L. Bivens Well # 1

Field Name Walkemeyer SE

Producing Formation L. Morrow

Elevation: Ground 3042' KB 3056'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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

Source of Water: T86-294
Division of Water Resources Permit #

4583
 Groundwater 825 Ft North from Southeast Corner
(Well) 825 Ft West from Southeast Corner of
Sec 24 Twp 34S Rge 36 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. #)

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 12.19.86

Subscribed and sworn to before me this 19 day of December 1986

Notary Public Deborah D. Cavette

Date Commission Expires MY COMMISSION EXPIRES 7/2/90

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 24 Twp 34 Rge 36

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name L. Bivens Well # 1

Sec. 24 Twp. 34S Rge. 36 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 Data Report:

15,000 gals 65 Q CO2 Pad
 4,000 gals 65 Q CO2 w/1 ppg 20/40
 5,000 gals 65 Q CO2 w/2 ppg 20/40
 5,000 gals 65 Q CO2 w/3 ppg 20/40
 6,000 gals 65 Q CO2 w/4 ppg 20/40
 1,560 gals Flush

Name	Top	Bottom
Chase	2705	
Council Grove	3067	
Admire	3325	
Wabaunsee	3453	
Heebner	4271	
Lansing	4414	
Kansas City	4755	
Marmaton	5153	
Cherokee	5388	
Morrow	5890	
L. Morrow	6187	
Chester	6328	
St. Genevieve	6482	
St. Louis	6650	
T.D.	6800	

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	12 1/2"	8 5/8"	24#	1726'	65/35/6 "H" 630	80	3% CaCl2 2% CaCl2
Production	7 7/8"	5 1/2"	14#	6,800'	"H"	280	2% gel
					* 65/35/6 "H" 55		2% CaCl2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
4	6210-31			See Above			
	6236-50						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
N/A				<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 Well has not been tested yet MCF	Water Bbls	Gas-Oil Ratio	Gravity	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 6210-6250 O.A.
 Used on Lease Dually Completed
 Commingled

* 205 sxs 50/50 POZ + 2% gel