

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 Co.

Operator Contact Person J. L. Douglass
Phone 303/298-2047

Contractor: License # 9137
Name Unit Dring. & Exploration

Wellsite Geologist Kathy Stollenwerk
Phone 303/298-3771

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

11/17/84 11/27/84 1/23/85
Spud Date Date Reached TD Completion Date
6450' 6405'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1875 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. 15-189-20,784-00-00

County Stevens

SE SE NE 11 32S 35 East
Sec Twp Rge West

3300 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

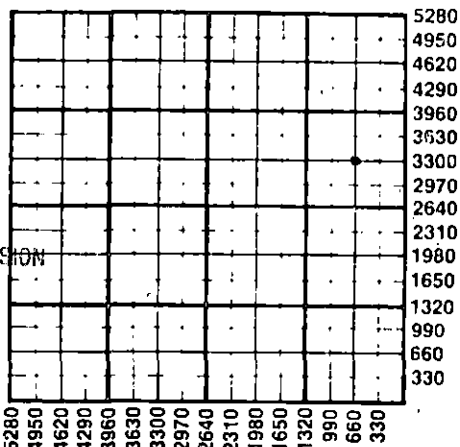
Lease Name H. H. Wulfmeyer Well # 1

Field Name Larabee

Producing Formation Chester

Elevation: Ground 2968' 2984' KB

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
MAR 08 1985
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

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

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T84-855

Groundwater 100' SW of oil well
.....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).....
(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
Producing Accounting Supervisor
Title Date 3-1-85

Subscribed and sworn to before me this 15 day of MARCH 1985
Notary Public Peggy Marcus

Date Commission Expires 1-9-89

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. 11, Twp. 32S, Rge. 35E

Operator Name Mobil Oil Corporation Lease Name H. H. Wulfmeyer Well # 1

Sec. 11 Twp. 32S Rge. 35W 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

Name	Top	Bottom
Chase	2590	
Council Grove	2934	
Wabaunsee	3432	
Toronto	4206	
Kansas City	4500	
Cherokee	5316	
Atoka	5536	
Morrow	5574	
Chester	5922	
Chester Sand	6060	
St. Genevieve	6178	
St. Louis	6296	
T.D.	6450	

Acid/Frac Record:

Halliburton broke formation w/600 gals. diesel containing 10% mutual solvent. Dropped 37 1.1 s.g. ball sealers thru treatment. Halliburton frac'd down 2 7/8" tbg. w/10,000 gals. gelled diesel containing 25,000 lbx. 12/20 sand in the following concentrations:

- 2500 gals. pad
- 2500 gals. w/1 ppg sand
- 2500 gals. w/2 ppg sand
- 2500 gals. w/3 ppg sand
- 2500 gals. w/4 ppg sand
- 1550 gals. flush

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 1/4"	9 5/8"	32#	1875'	Class H	600	12% gel, 3% CaCl ₂
Production	8 3/4"	5 1/2"	15.5#	6448'	Class H	675	10% salt, .2% defoamer
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	6070' / 6076'			See acid/frac record detailed above			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		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	Gas	Water	Gas-Oil Ratio	Gravity	
-		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

6070' - 6076'