

** Amended*

SIDE ONE

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 # N/A
Name

Wellsite Geologist G. Zimbrick
Phone (303) 298-3661

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
Spud Date 11/3/85 Date Reached TD 11/29/85 Completion Date 1/11/86
Total Depth 6900' PBTD 6849'

Amount of Surface Pipe Set and Cemented at 1753 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3180 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-189-20871-00-00
County Stevens
NW NW NW Sec 32 Twp 34S Rge 36 East West

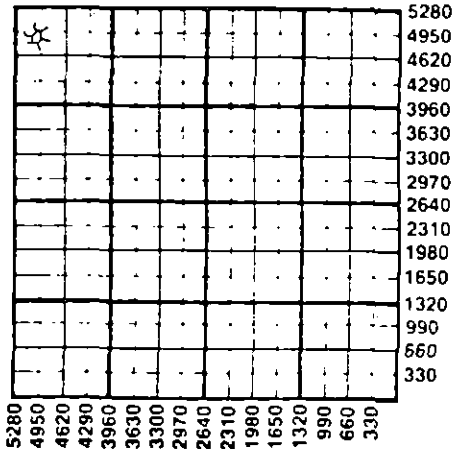
4946 Ft North from Southeast Corner of Section
4954 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Parker Estate #2 Unit Well #3

Field Name S. E. Hanke

Producing Formation Lower Morrow

Elevation: Ground 3090' KB 3106'
Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket # CP-8787 CC-10411

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

Source of Water:
Division of Water Resources Permit # T85-877
225' North of Gas Well
 Groundwater 4930' Ft North from Southeast Corner
(Well) 5125' Ft West from Southeast Corner of
Sec 32 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 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 5/30/86

Subscribed and sworn to before me this 19 day of June 1986
Notary Public Mary Ann McFarland
Date Commission Expires June 16, 1987

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)

** 19 Dawson 7.25.86
This Amended Form is subscribed & sworn to before me this
25th day of July, 1986.
Deborah Cavette - Notary
MY COMMISSION EXPIRES 7/2/90*

Sec 32 Twp 34 Rge 36

Operator Name Mobil Oil Corporation Lease Name Parker Est. #2 Well # 3

Sec. 32 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

Acid/Frac Record

8000 gals. fluid (4016 jelled KCl H₂O)
 3000 gals. w/1 ppg. 20/40 sand
 3000 gals. 1/2 ppg. 20/40 sand
 4000 gals. w/3 ppg. 20/40 sand
 1638 gals.

Name	Top	Bottom
Chase	2625	
Council Grove	3000	
Admire	3250	
Toronto	4290	
Lansing	4400	
Marmaton	5100	
Cherokee	6360	
Morrow	6620	
Chester	6750	
St. Genevieve	6750	
St. Louis		

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"	9-5/8"	36#	1753'	"H"	550	6% gel + 3% CaCl ₂
					"H"	100	3% CaCl ₂
Production	8-3/4"	5 1/2"	15.5#	6900'	"H"	310	10% salt + .2% DAK
					"H"	110	6% gel + 3% CaCl ₂
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	6324-32			(see acid frac record above)			
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-7/8"	6855'	6194'			
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	
* 190 sxs "H" 50/50 Poz		Bbls	67 MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

6324-6332

* 190 sxs "H" 50/50 Poz