

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 189-207210001

County Stevens  
- - - C - SW Sec. 14 Twp. 33S Rge. 36 X W  
1320 Feet from S (circle one) Line of Section  
1320 Feet from E/W (circle one) Line of Section

Operator: License # 5208  
Name: Mobil Oil Corporation  
Address P.O. Box 2173  
2319 North Kansas Avenue  
City/State/Zip Liberal, KS 67905-2173  
Purchaser: Spot Market  
Operator Contact Person: Sharon Cook  
Phone (316) 626-1142  
Contractor: Name: Best Well Service  
License: \_\_\_\_\_  
Wellsite Geologist: L. J. Reimer

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)  
Lease Name Barber Unit Well # 4  
Field Name Hugoton  
Producing Formation Chase  
Elevation: Ground 3022 KB 3031  
Total Depth 6300 PBDT 5950  
Amount of Surface Pipe Set and Cemented at 1744 Feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set NA Feet  
If Alternate II completion, cement circulated from NA  
feet depth to NA w/ NA sx cmt.

Designate Type of Completion  
     New Well      Re-Entry X Workover  
     Oil      SWD      SLOW      Temp. Abd.  
X Gas      ENHR      SIGW  
     Dry      Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan Plug Back 4-3-96  
(Data must be collected from the Reserve Pit) EL

If Workover:  
Operator: Mobil Oil Corporation  
Well Name: Barber-Brown Unit Well #4  
Comp. Date 9-18-84 Old Total Depth 6300  
X Rename  
     Deepening X Re-perf.      Conv. to Inj/SWD  
X Plug Back 5950 PBDT  
     Commingled      Docket No. \_\_\_\_\_  
     Dual Completion      Docket No. \_\_\_\_\_  
     Other (SWD or Inj?) Docket No. \_\_\_\_\_  
10-21-95 11-11-95  
Spud Date      Date Reached TD      Completion Date  
Commenced Recompletion

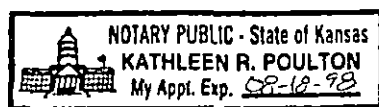
Chloride content NA ppm Fluid volume NA bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name NA  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
     Quarter      Sec.      Twp.      S Rng.      E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Sharon A. Cook Sharon A. Cook  
Title Regulatory Asst. Date 1-4-96  
Subscribed and sworn to before me this 4th day of January,  
19 96.  
Notary Public Kathleen R. Poulton STATE CORPORATION COMMISSION  
Date Commission Expires August 18, 1998  
6-13.kcc

K.C.C. OFFICE USE ONLY  
F      Letter of Confidentiality Attached  
C      Wireline Log Received  
C      Geologist Report Received  
Distribution  
     SWD/Rep      NGPA  
     Plug      Other  
(Specify)  
JAN 10 1996



1-8-1996  
CONSTRUCTION DIVISION  
WICHITA, KANSAS

Operator Name Mobil Oil Corporation Lease Name Barber Unit Well # 4

Sec. 14 Twp. 33S Rge. 36  East  West  
 County Stevens

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No	NO CHANGE	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input type="checkbox"/> No		
List All E.Logs Run:	NO CHANGE		

CASING RECORD <input 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
NO CHANGE							

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	5950	Class C	2 sx	
<input checked="" type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

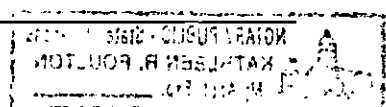
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 SPF	2634-40	Acid: 750 gals 7.5% HCL	
	2670-90	Fract: 950 bbls 20# Crosslink Gel	
	2717-32	143,240 lbs 12/20 Brady Sand	
	2775-95 CIBP @ 5950		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
11-10-95				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		288		

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval: 2634 2795



ORIGINAL

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 Company

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

Contractor: License # 6663  
Name Unit Drlg. & Exploration Co.

Wellsite Geologist Pinar Yilmaz  
Phone 303/298-2555

Designate Type of Completion

- New Well  Re-Entry  Workover
- Oil  SWD  Temp Abd
- Gas  Inj  Delayed Comp.
- Dry  Other (Core, Water Supply etc.)

If OWNO: old well info as follows:

Operator \_\_\_\_\_  
Well Name \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

WELL HISTORY

Drilling Method:

- Mud Rotary  Air Rotary  Cable

7/7/84 7/17/84 9/18/84  
Spud Date Date Reached TD Completion Date  
6300' 6116'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ 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. 15-189-20,721  
County Stevens  
C SW Sec 14 Twp 33S Rge 36  East  West

1320 Ft North from Southeast Corner of Section  
3967.8 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

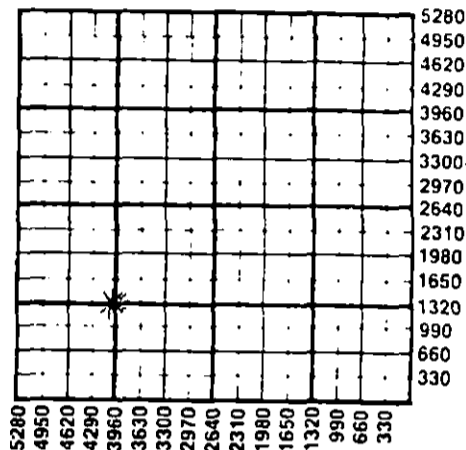
Lease Name Barber-Brown Ut. Well # 1

Field Name Walkemeyer

Producing Formation Morrow

Elevation: Ground 3022.4' 3038.8' KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # CD-3805 (C-19,820)

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

Source of Water:  
Division of Water Resources Permit # T-84-383  
150 SW of well stake

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) \_\_\_\_\_  
(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 \_\_\_\_\_

Subscribed and sworn to before me this 8th day of November 1984  
Notary Public Pamela J. Stuck  
Date Commission Expires November 26 1984 JAN 18 1986

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 Plug  Other (Specify)

OCT 11 1984

WICHITA, KANSAS

Operator Name **Mobil Oil Corporation** Lease Name **Barber-Brown #1** Well # **1**

Sec. **14** Twp. **33S** 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

Name	Top	Bottom
Chase	2597	
Council Grove	2946	
Morrow Shale	5704	
Morrow Band	6012	
Chester	6082	

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"	36#	1744'	Class. H	500	12% gel, 3% CaCl <sub>2</sub>
Production	8 3/4"	5 1/2"	15.5#	6236'	Class. H	125	3% CaCl <sub>2</sub>
					Class H	250	10% salt
						85	12% gel, 3% CaCl <sub>2</sub>
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	Morrow: 6028-6034...6054-6066... (6028-6066) O.A.			Acidized perfa... Frac. with 12,000... gals. gelled diesel & 30,000 lbs...			
	Chester: 6126-6134... (6126-6140) O.A. cement			20/40 sand, flushed with 1800 gals... gelled diesel oil...			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
2 3/8"	6040'	5914'					
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) ..... **6028-6064.OA**  
 Used on Lease  Dually Completed .....  
 Commingled