

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

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: Gibson Well Service  
License: 5866  
Wellsite Geologist: L. J. Reimer

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

If Workover:  
Operator: Mobil Oil Corporation  
Well Name: Elizabeth Miller Well #1  
Comp. Date 8-12-87 Old Total Depth 6390  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  2860  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
1-12-98 2-4-98  
Spud Date Date Reached TD Completion Date  
Commenced Recompletion

API NO. 15- 189-21097002  
County Stevens 4-15-98  
C NW SW Sec. 16 Twp. 32 Rge. 35 X E  
1980 Feet from S/N (circle one) Line of Section  
635 Feet from E/W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)  
Lease Name Brown #1-FF Unit Well # 3  
Field Name Hugoton  
Producing Formation Chase  
Elevation: Ground 3009 KB 3019  
Total Depth 6390 PBTD 2860  
Amount of Surface Pipe Set and Cemented at 1789 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set NA Feet  
If Alternate II completion, cement circulated from NA  
feet depth to NA w/ NA sx cmt.

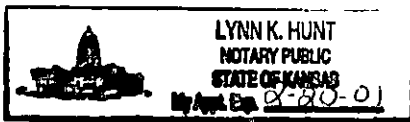
Drilling Fluid Management Plan Re-work, 6-9-98 etc.  
(Data must be collected from the Reserve Pit)  
Chloride content NA ppm Fluid volume NA bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name NA  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
\_\_\_\_\_ 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 4-13-98  
Subscribed and sworn to before me this 13th day of April,  
19 96.  
Notary Public Lynn K. Hunt  
Date Commission Expires February 20, 2001  
8-36.kcc

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



SIDE TWO

ORIGINAL

Operator Name Mobil Oil Corporation Lease Name Brown #1-FF Unit Well # 3  
 Sec. 16 Twp. 32 Rge. 35  East County Stevens  
 West

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  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:  
 NO CHANGE

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 NO CHANGE

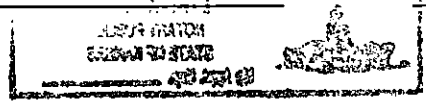
CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
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	3005	Class C	2sx	
<input checked="" type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	2860	Class C	2sx	

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
2 SPF	2700-2720	Acid: 1,000 gals 7.5% HCL	
		Frac'd: 8,000 gals WF130 in 75q foam	
	CIBP @ 2860	72,060 lbs 16/30 sand	
	CIBP @3005		

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)			
2-11-98				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		72		

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  
 Production Interval: \_\_\_\_\_ 2700 \_\_\_\_\_ 2720  
 Other (Specify) \_\_\_\_\_



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

ORIGINAL

Operator: License # 5208  
Name MOBIL OIL CORPORATION  
Address P.O. BOX 5444

City/State/Zip DENVER, COLORADO 80217

Purchaser TA'D

Operator Contact Person B. R. MAYNARD  
Phone (303) 298-2069

Contractor: License # 9137  
Name UNIT DRILLING & EXPLORATION CO.

Wellsite Geologist D.J. OSWEILER  
Phone (303) 298-2391

Designate Type of Completion  
 XX New     Re-Entry     Workover  
  
 Oil     SWD     XX Teap Abd  
 Gas     Inj     Delayed Comp.  
 Dry     Other (Core, Water Supply, etc.)

If OWMOs: old well info as follows:  
Operator \_\_\_\_\_  
Well Name \_\_\_\_\_  
Comp. Date \_\_\_\_\_

WELL HISTORY

Drilling Method:  
 XX Mud Rotary     Air Rotary     Cable  
  
8-2-87    8-9-87    TA'D 8-12-87  
Spud Date    Date Reached TD    Completion Date  
  
6390'    3196'  
Total Depth    PBD

Amount of Surface Pipe Set and Cemented at: 1789' feet  
Multiple Stage Cementing Collar Used?  Yes  XX No  
If yes, show depth set \_\_\_\_\_ feet  
If alternate 2 completion, cement circulated  
from \_\_\_\_\_ feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ SX cat  
Cement Company Name \_\_\_\_\_  
Invoice # \_\_\_\_\_

API No. 15- 189-21097

COUNTY STEVENS

RECEIVED SW Sec 16 Twp 32S Rge 35 X East

1980 Ft North from Southeast Corner of Section  
1980 ADD 4620 D 12FB West from Southeast Corner of Section  
(Note: Locate well in section plat below)

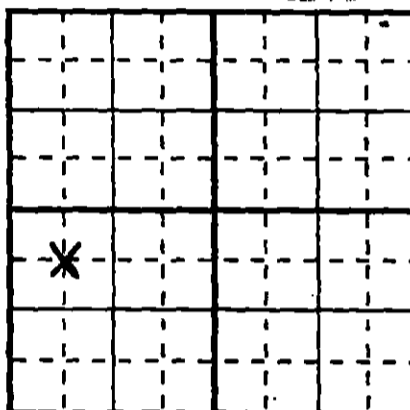
Lease Name ELIZABETH MILLER WELL # 1

Field Name UNNAMED

Producing Formation CHESTER

Elevation: Ground 3009' KB 3023'

SECTION PLAT



WATER SUPPLY INFORMATION

Disposition of Produced Water: \_\_\_\_\_ Disposal  
Docket # TA'D \_\_\_\_\_ Repressuring

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

Source of Water:  
Division of Water Resources Permit# T87-301

XX Groundwater 2000 Ft. North from Southeast Corner  
(well) 4785 Ft. West from Southeast Corner of  
Sec 16 Twp 32S Rge 35 East X 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 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: B. R. Maynard B. R. MAYNARD  
Title: REGULATORY COMPLIANCE MANAGER Date: 8-5-88

Subscribed and sworn to before me this 5th day of August  
1988  
Notary Public: Donna J. Skinner

Date Commission Expires June 8, 1990

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)

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name ELIZABETH MILLER Well # 1

Sec 16 Twp 32S Rge 35 XX 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample		
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
		Name	Top	Bottom
		BASE OF STONE CORRAL		1790'
		WELLINGTON	2277'	
		CHASE	2660'	
		COUNCIL GROVE	2976'	
		ADMIRE	3240'	
		WABAUNSEE	3370'	
		SHAWNEE	3763'	
		HEEBNER	4213'	
		LANSING	4273'	
		KANSAS CITY	4584'	
		MARMATON	4990'	
		CHEROKEE	5210'	
		MORROW	5630'	
		CHESTER	5990'	
		STE. GENEVIEVE	6186'	
		ST. LOUIS	6272'	

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"	8-5/8"	240	1789'	CL C	640 SX	65:35:6 +2% CACL <sub>2</sub>
					CL C	100 SX	+2% CACL <sub>2</sub>
Production	7-7/8"	5-1/2"	140	3196'	CL H	670 SX	50:50 POZ +2% GEL
						SX	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
Shots Per Foot	Specify Footage of Each Interval Perforated			
TA'D	TA'D			

TUBING RECORD		Size NA	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First Production	Producing Method					
TA'D	<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	
	TA'D Bbls	____ NCF	____ Bbls	____ CFPB		

Disposition of gas:  Vented  Sold  Used on Lease

METHOD OF COMPLETION:  Open Hole  Perforation  Other (Specify) \_\_\_\_\_

Production Interval: TA'D \_\_\_\_\_

Dually Completed  Commingled