

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- 189-221150000

County Stevens  
- Approx. Center Sec. 10 Twp. 33S Rge. 37 X W <sup>E</sup>

Operator: License # 5208

2640 Feet from S/N (circle one) Line of Section

Name: Mobil Oil Corporation

2390 Feet from E/W (circle one) Line of Section

Address P.O. Box 2173

Footages Calculated from Nearest Outside Section Corner:  
NE SE, NW or SW (circle one)

2319 North Kansas Avenue

Lease Name CP-Crawford Est. Well # 1

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: \_\_\_\_\_

Producing Formation NA

Operator Contact Person: Sharon Cook

Elevation: Ground 3102 KB NA

Phone (316) 626-1142

Total Depth 75 PBDT NA

Contractor: Name: Cathodic Protection Services

Amount of Surface Pipe Set and Cemented at None Feet

License: 31474

Multiple Stage Cementing Collar Used? NA Yes NA No

Wellsite Geologist: \_\_\_\_\_

If yes, show depth set NA Feet

Designate Type of Completion  
 New Well  Re-Entry  Workover

If Alternate II completion, cement circulated from NA

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expt., Cathodic, etc)

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 3 5-22-98 SK  
(Data must be collected from the Reserve Pit)

Operator: \_\_\_\_\_

Chloride content NA ppm Fluid volume NA bbls

Well Name: \_\_\_\_\_

Dewatering method used NA

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite:  
4-29-97

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

Operator Name NA

Lease Name NA License No. \_\_\_\_\_

1-23-97 1-23-97 1-23-97  
Spud Date Date Reached TD Completion Date

NA Quarter Sec. NA Twp. NA S Rng. NA E/W

County NA Docket No. NA

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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

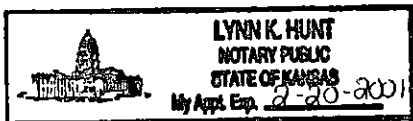
Title Regulatory Assistant Date 4-21-97

Subscribed and sworn to before me this 21st day of April, 19 97.

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)



Operator Name Mobil Oil Corporation Lease Name CP-Crawford Est. Well # 1  
 Sec. 10 Twp. 33S Rge. 37  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 checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHED DRILLER'S LOG		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E.Logs Run:				
Electric Resistance Log - Attached				

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

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				
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	(1) First plug - Bentonite set at 13' - 3' plug.			
	(2) Second plug - Bentonite set at 27' - 30' plug.			

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
First anode set at 70', second anode at 60', third anode at 50'.			

TUBING RECORD	Size Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
1" PVC vent from TD to 3' above surface.			
Date of First, Resumed Production, SWD or Inj. Installed 1-23-97	Producing Method <input type="checkbox"/> NA <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. NA	Gas Mcf NA	Water Bbls. NA Gas-Oil Ratio Gravity

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: \_\_\_\_\_

STEVENS COUNTY  
 MISSOURI  
 REC'D  
 JAN 24 1997

Catholic Protection Services  
 Liberal, Kansas  
**DATA SHEET**

**ORIGINAL**  
 15-189-22115

COMPANY MOBILE & P US INC. JOB No. 801-00582 DATE: 1/23/97  
 WELL: CRAWFORD ESTATE #1 PIPELINE: \_\_\_\_\_  
 LOCATION: SEC. 10 TWP. 33 RGE.37 CO: STEVENS STATE: KANSAS  
 ANODE TYPE LIDA ONE 1x45 (3) FT: ROTAR 75 FT. FT: CASING FT.

**DEEP GROUND BED LOGGING DATA**

DRILL. DEPTH LOG (FT)	ANODE TO STRUCTURE		ANODES		DRILL DEPTH LOG (FT)	ANODE TO STRUCTURE		ANODES	
	EXPLOR OHM	FINAL OHM	NO	TOP DEPTH		EXPLOR OHM	FINAL OHM	NO	TOP DEPTH
5			3FT.	EARTH FILL	205				
10				PLUG 10 FT.	210				
15				EARTH	215				
20				FILL 14 FT.	220				
25				PLUG 3 FT.	225				
30				TOP/COKE	230				
35					235				
40					240				
45					245				
50	1.69	2.22	3		250				
55					255				
60	2.02	2.93	2		260				
65					265				
70	2.11	2.99	1		270				
75				COKE	275				
80					280				
85					285				
90					290				
95					295				
100					300				
105					305				
110					310				
115					315				
120					320				
125					325				
130					330				
135					335				
140					340				
145					345				
150					350				
155					355				
160					360				
165					365				
170					370				
175					375				
180					380				
185					385				
190					390				
195					395				
200					400				

PITS CLOSED JANUARY 27, 1997

GROUND BED RESISTANCE: (1) VOLTS

AMPS

OHMS (2) VIBROGROUND

OHMS

