

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

API NO. 15- 189-221160000  
County Stevens **ORIGINAL**  
- NW - SE - NE Sec. 10 Twp. 33S Rge. 37 X W

Operator: License # 5208

1350 Feet from S/N (circle one) Line of Section

Name: Mobil Oil Corporation

1150 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. #1 Well # 3

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

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

Producing Formation NA

Operator Contact Person: Sharon Cook

Elevation: Ground 3111 KB NA

Phone (316) 626-1142

Total Depth 75 PBDT NA

Contractor: Name: Catholic 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   S10W   Temp. Abd.  
  Gas   ENHR   SIGW  
  Dry X Other (Gore, WSW, Expt., Catholic, etc)

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 3 5-22-98 JK  
(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:  
H-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.

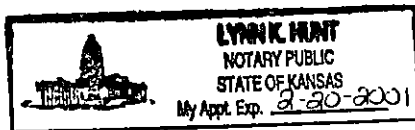
Signature Sharon A. Cook Sharon A. Cook  
Title Regulatory Assistant Date 4-21-97

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

Notary Public Lynne K. Hunt

Date Commission Expires February 20, 2001

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)



Operator Name Mobil Oil Corporation Lease Name CP-Crawford Est. #1 Well # 3  
 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  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:  
 Electric Resistance Log - Attached

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 SEE ATTACHED DRILLER'S LOG

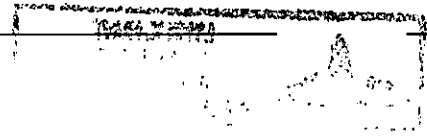
CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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	
Date of First, Resumed Production, SWD or Inj. Installed 1-23-97					NA		
Producing Method						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  
 Production Interval:  Other (Specify) \_\_\_\_\_



ORIGINAL

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

15-189-22116

COMPANY MOBIL E & P US INC. JOB No. 801-00582 DATE: 1/23/97  
 WELL: CRAWFORD EST. 1-3 PIPELINE: \_\_\_\_\_  
 LOCATION: SEC. 10 TWP. 33 RGE.37 CO: STEVENS STATE: KANSAS  
 ANODE TYPE LIDA ONE 1x45 (3) FT: ROTAR 75FT. 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 14FT	220				
25				PLUG 3FT.	225				
30				TOP/COKE	230				
35					235				
40					240				
45					245				
50	1.21	1.96	3		250				
55					255				
60	1.58	2.11	2		260				
65					265				
70	1.06	1.88	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 28, 1997

GROUND BED RESISTANCE: (1) VOLTS

AMPS

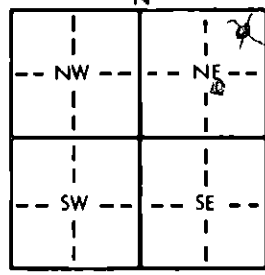
OHMS (2) VIBROGROUND

OHMS

1 LOCATION OF WATER WELL: County: Steven Fraction: NW 1/4 SE 1/4 NE 1/4 Section Number: 10 Township Number: T 33 S Range Number: R 37 EW

Distance and direction from nearest town or city street address of well if located within city? Crawford Estate 1-3

2 WATER WELL OWNER: Mobil Corp RR#, St. Address, Box #: P.O. Box 2123 City, State, ZIP Code: Liberal KS 67905 ORIGINAL Board of Agriculture, Division of Water Resources Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 70 ft. ELEVATION: . . . . . ft. Depth(s) Groundwater Encountered 1. . . . . ft. 2. . . . . ft. 3. . . . . ft. WELL'S STATIC WATER LEVEL . . . . . ft. below land surface measured on mo/day/yr . . . . . Pump test data: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm Est. Yield . . . . . gpm: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm Bore Hole Diameter: 6 in. to 10 in. to . . . . . in. to . . . . . ft. WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well CATERPILLAR Was a chemical/bacteriological sample submitted to Department? Yes. . . . . No. . . . . ; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued . . . . . Clamped . . . . . 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded . . . . . 7 Fiberglass . . . . . Threaded . . . . . Blank casing diameter . . . . . in. to . . . . . ft., Dia . . . . . in. to . . . . . ft., Dia . . . . . in. to . . . . . ft. Casing height above land surface . . . . . in., weight . . . . . lbs./ft. Wall thickness or gauge No. . . . . TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) . . . . . 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 10 Other (specify) . . . . . 7 Torch cut SCREEN-PERFORATED INTERVALS: From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft. From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft. GRAVEL PACK INTERVALS: From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft. From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other . . . . . Grout Intervals: From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) 13 Insecticide storage Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	60	SURFACE TOP SOIL, SAND + CLAY			
60	70	SANDY CLAY + SAND w/ CLAY STRIPS			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 1/30/97 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 548 This Water Well Record was completed on (mo/day/yr) 1/30/97 under the business name of Les Taylor Drilling by (signature) Les Taylor

OFFICE USE ONLY

T

R

EW

SEC.

1/4

1/4

1/4