

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

COPY

Operator: License # 5208
Name: Exxon Mobil Oil Corporation *
Address: P. O. Box 4358
City/State/Zip: Houston, TX 77210-4358
Purchaser: Duke Energy Trading & Marketing
Operator Contact Person: Kitty Birt
Phone: (713) 431-1898
Contractor: Name: DOWELL
License: N. A.
Wellsite Geologist: N. A.
Designate Type of Completion:
☐ New Well ☐ Re-Entry ☒ Workover (refrac)
☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☒ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: Mobil Oil Corporation
Well Name: Armstrong Unit #2, Well # 4
Original Comp. Date: 09-30-1997 Original Total Depth: 2900
~~XXX FRACTURE TREATED~~
☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD
☐ Plug Back 2858 ☐ Plug Back Total Depth
☐ Commingled ☐ Docket No.
☐ Dual Completion ☐ Docket No.
☐ Other (SWD or Enhr.?) ☐ Docket No.
05-30-2001 09-18-1997 06-08-2001
~~OF WORKOVER~~ Date of START Date Reached TD Completion Date of WORKOVER

API No. 15 - 129-21532 - 0001
County: Morton
NE SW SW Sec. 5 Twp. 34 S. R. 39 ☐ East ☒ West
1250 feet from (S) N (circle one) Line of Section
1250 feet from (W) E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Armstrong Unit 2 Well #: 4
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3297 Kelly Bushing: 3306
Total Depth: 2900 Plug Back Total Depth: 2858
Amount of Surface Pipe Set and Cemented at 555 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set N. A. Feet
If Alternate II completion, cement circulated from N. A.
feet depth to N. A. w/ N. A. sx cmt.
Drilling Fluid Management Plan REWORK JK 6/19/02
(Data must be collected from the Reserve Pit)
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West
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 of 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: Kitty Birt
Title: Completions Admin. Date: April 15, 2002
Subscribed and sworn to before me this 16th day of April, 2002.
Notary Public: Kim Lynch
Date Commission Expires: Aug. 26, 2002

KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes ☐ Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

KIM LYNCH

NOTARY PUBLIC, STATE OF KANSAS
MY COMMISSION EXPIRES

IOG

Operator Name: Exxon Mobil Oil Corporation * Lease Name: Armstrong Unit 2 Well #: 4
Sec. 5 Twp. 34 S. R. 39 ☐ East ☒ West County: Morton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

Glorieta 1300

Stone Corral 1756

Sumner Group 2337

Chase Group 2535

CASING RECORD ☐ New ☐ 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	12.250	8625	24	555	CL-C	375	50:50 c/poz.
Production	7.875	5.500	14	2900	CL-C	225	3% D79
					CL-C	100	2% B28

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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
2 spf.	2652-2660, 2696-2706	Frac w/ 80Q N2 foam @ plus/minus 80 BPM	

TUBING RECORD	Size	Set At	Packer At	Liner Run ☐ Yes ☒ No
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Date of First, Resumed Production, SWD or Enhr. (See G-2)	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas	METHOD OF COMPLETION	Production Interval
☐ Vented ☒ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify)	2652 2827