

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

Form ACO-1
September 1999
Form Must Be Typed

COPY

Operator: License # 5208
Name: Exxon Mobil Oil Corporation *
Address: P. O. Box 4358
City/State/Zip: Houston, TX 77210-4358
Purchaser: _____
Operator Contact Person: Beverly Roppolo
Phone: (713) 431-1701
Contractor: Name: Key Energy
License: N. A.
Wellsite Geologist: N. A.

Designate Type of Completion: REFRAC

____ New Well ____ Re-Entry ☒ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. App.

☒ 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: HAWORTH #1 UNIT, WELL #4

Original Comp. Date: 9-3-87 Original Total Depth: 6680

~~XXX~~ **HYDRAULICALLY FRACTURED**
Deepening ____ Re-perf. ____ Conv. to Enhr./SWD

____ Plug Back ____ Plug Back Total Depth

____ Commingled ____ Docket No. ____

____ Dual Completion ____ Docket No. ____

____ Other (SWD or Enhr.?) ____ Docket No. ____

1-19-2000 8-27-87 1-25-2000
~~DATE~~ Date of START Date Reached TD Completion Date of

OF WORKOVER

WORKOVER

API No. 15 - 189-21102-0002

County: Stevens

____ SE NW Sec. 35 Twp. 34 S. R. 36 ☐ East ☒ West

3300 feet from (S) N (circle one) Line of Section

660 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: HAWORTH #1 UNIT Well #: 4

Field Name: Hugoton

Producing Formation: Chase

Elevation: Ground: 3017 Kelly Bushing: 3032

Total Depth: 6680 Plug Back Total Depth: 3160

Amount of Surface Pipe Set and Cemented at 1779 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

(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: Beverly Roppolo

Title: Contract Completions Admin Date: 5-29-03

Subscribed and sworn to before me this 29th day of May

2003

Notary Public: Kim Lynch

Date Commission Expires: Aug. 26, 2006

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
COMMISSION EXPIRES

Operator Name: Exxon Mobil Oil Corporation * Lease Name: HAWORTH #1 UNIT Well #: 4
Sec. 35 Twp. 34 S. R. 36 ☐ East ☒ West County: Stevens

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
HERINGTON	2670'	2686'
L. KRIDER	2726'	2768'
WINFIELD	2784'	2806'

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	8.625	24#	1779	CLASS C	790	50:50 c/poz
PRODUCTION	7.875	5.500	14#	3203	CLASS C	560	3%D79,2% 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
4 SPF	2670' - 2810'	FRAC'D WELL WITH 953,894' scf	
		80Q N2 FOAM @ 80BPM	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8 - 4.7#	@ 2770		☐ Yes ☒ No
Date of First, Resumed Production, SWD or Enhr.			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, Sumit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify)