

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5208
Name: ExxonMobil Oil Corporation
Address 1: P.O. Box 4358
Address 2: _____
City: Houston State: TX Zip: 77210 + 4358
Contact Person: Gladys M. Olive
Phone: (281) 654-1921
CONTRACTOR: License # NA
Name: Weatherford
Wellsite Geologist: NA
Purchaser: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:
Operator: Mobil Oil Corporation
Well Name: Haworth #2 ut.
Original Comp. Date: 4/14/1984 Original Total Depth: 6550
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: 2980' Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
4/14/1984 4/27/1984 11/21/2011
Spud Date/ Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 189-20711-00-01
Spot Description: _____
NE NE NW Sec. 24 Twp. 34 S. R. 36 East West
4933.6346 Feet from North / South Line of Section
3006.72298 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stevens
Lease Name: Haworth #2 ut. Well #: 3
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3047 Kelly Bushing: 3063.5
Total Depth: 6550' Plug Back Total Depth: 2980'
Amount of Surface Pipe Set and Cemented at: 1762' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: _____ ppm Fluid volume: _____ bbls
Dewatering method used: _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

AFFIDAVIT
I am the affiant and I hereby certify that 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: Gladys M. Olive, Gladys M. Olive
Title: Technical Asst. Date: 3-7-11

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: _____ RECEIVED
 Confidential Release Date: _____ MAR 08 2011
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Db Date: 3/10/11
KCC WICHITA

Operator Name: Exxon Mobil Oil Corporation Lease Name: Haworth #2 wt. Well #: 3
 Sec. 24 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, Submit Copy) List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Name</td> <td style="width:30%;">Top</td> <td style="width:40%;">Datum</td> </tr> <tr> <td>Chase</td> <td>2620</td> <td>3063.5 (KB)</td> </tr> <tr> <td>Council Grove</td> <td>3036</td> <td></td> </tr> <tr> <td>T.D.</td> <td>6550</td> <td></td> </tr> </table>	Name	Top	Datum	Chase	2620	3063.5 (KB)	Council Grove	3036		T.D.	6550	
Name	Top	Datum											
Chase	2620	3063.5 (KB)											
Council Grove	3036												
T.D.	6550												

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	9 5/8"	36 #	1762	CLASS H	530	12% gel, 3% CaCl2
					CLASS H	125	3% CaCl2
Production	8 3/4"	5 1/2"	15.5 #	3300	CLASS H	580	12% gel, 3% CaCl2
ADDITIONAL CEMENTING / SQUEEZE RECORD <u>CLASS H 240 3% CaCl2</u>							
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives			
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2980-3000	HPI	2	Set CIBP + cap w/20' cement			

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	Perf Chase-Towanda 2866'-2876'	Pump 2000 gal 15% Fe + 120 Ball Sealers	
4 SPF	Perf Chase-Winfield 2810'-2820'	Include in above treatment.	
4 SPF	Perf Chase-Krider 2750'-2760', 2700'-2713'	Pump 2500 gal 15% Fe + 130 Ball Sealers	
4 SPF	Perf Chase-Herington 2676'-2680'	Included in above treatment.	

TUBING RECORD:		Size: <u>2 3/8"</u>	Set At: <u>2972'</u>	Packer At: <u>—</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>Shut-In waiting on flowline re-in</u>		Producing Method: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours <u>prefac</u>	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	—	60	70	—	—

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2676' - 2876' OH</u>
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Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

License #

1. Operator Name (As shown on Form P-5, Organization Report): Exxon Mobil Oil Corporation	2. Operator No. 5208	3. RRC District No. —	4. County of Well Site Stevens
5. Field Name (Wildcat or exactly as shown on RRC records): Hugoton	6. API No. 15-189-20711	7. Drilling Permit No. —	
8. Lease Name: Haworth #2 Ut.	9. Rule 37 Case No. —	10. Oil Lease Gas ID No. —	11. Well No. 3

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date							
13. • Drilled hole size							
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)							
15. Top of liner (ft.)							
16. Setting depth (ft.)							
17. Number of centralizers used							
18. Hrs. cutting on cement before drill out							
1st Slurry	19. API cement used: No. of sacks ▶						
	Class ▶						
	Additives ▶						
2nd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶						
	Height (ft.) ▶						
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
21. Was cement or slurry placed by ground surface or by pump or placed outside casing							
22. Remarks							

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MAR 08 2011
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CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG # 2	PLUG # 3	PLUG # 4	PLUG # 5	PLUG # 6	PLUG # 7	PLUG # 8
23. Cementing date	11-10-10							
24. Size of hole or pipe plugged (in.)	5.50"							
25. Depth to bottom of tubing or drill pipe (ft.)	3000'							
26. Sacks of cement used (each plug)	2							
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)	2980'							
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs./gal)	16.6							
31. Type cement	HPI							

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Thomas E. Williams Wireline Supervisor Weatherford Cementing Company Signature
 Name and title of cementer's representative

1500 Gen Welch Blvd Liberal KS 67902 620-482-3396 2 6 10
 Address City State Zip Code Tel. Area Code Number Date: mo. day yr

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Jens Stephen Wellwork Supervisor Signature
 Typed or printed name of operator's representative Title

200 West 4th Street Hugoton KS 67951 620-544-5568 2 6 10
 Address City State Zip Code Tel. Area Code Number Date: mo. day yr

Instructions to Form W-15, Cementing Report

- IMPORTANT:** Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).
- A. What to file.** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:
- An initial oil or gas completion report, Form W 2 or G-1, as required by Statewide or special field rules;
 - Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
 - Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- B. Where to file.** The appropriate Commission District Office for the county in which the well is located.
- C. Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
- D. Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable quality water zones. In non-deviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.
- E. Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.
- F. Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).
- G. Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cemented to a depth below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 100 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

By _____
 DATE: MAR 20 2011