

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

ORIGINAL

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: (281) 654-1943
 Contractor: Name: Key Energy
 License: N. A.
 Wellsite Geologist: N. A.
 Designate Type of Completion: REFRAC
 New Well Re-Entry Workover
 Oil SWD SLOW 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: COULTER #2 UNIT, WELL #4
 Original Comp. Date: 4-14-90 Original Total Depth: 6678'
 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. _____

<u>4-28-00</u>	4-22-90	<u>5-4-00</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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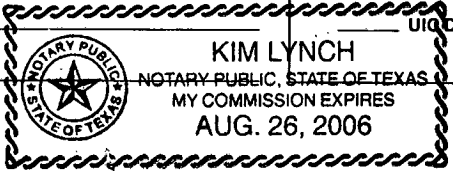
API No. 15 - 189-21401 - 00-02
 County: Stevens
AP-C - NW Sec. 27 Twp. 33 S. R. 38 East West
3961.29 FNL feet from S / N (circle one) Line of Section
3967.98 FWL feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: COULTER #2 UNIT Well #: 4
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 3173 Kelly Bushing: 3184
 Total Depth: 6678 Plug Back Total Depth: 3017
 Amount of Surface Pipe Set and Cemented at 1785 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. ^{sq cm}
WD-Dig-4/30/09

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: 9/19/03
 Subscribed and sworn to before me this 19th day of September,
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

Operator Name: Exxon Mobil Oil Corporation * Lease Name: COULTER #2 UNIT Well #: 4
 Sec. 27 Twp. 33 S. R. 38 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 <i>(Submit Copy)</i> List All E. Logs Run:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>HERRINGTON</td> <td>2518</td> <td>2524</td> </tr> <tr> <td>U. KRIDER</td> <td>2544</td> <td>2556</td> </tr> <tr> <td>L. KRIDER</td> <td>2574</td> <td>2602</td> </tr> <tr> <td>WINFIELD</td> <td>2620</td> <td>2656</td> </tr> <tr> <td>TOWANDA</td> <td>2678</td> <td>2730</td> </tr> </table>	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	HERRINGTON	2518	2524	U. KRIDER	2544	2556	L. KRIDER	2574	2602	WINFIELD	2620	2656	TOWANDA	2678	2730
<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																				
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TOWANDA	2678	2730																				

CASING RECORD <input checked="" 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
SURFACE	12.250	8.625	24#	1785'	CL 'C' LITE	600	3% CALC 2
					CL 'C'	250	2% CALC 2
PRODUCTION	7.875	5.500	14#	3055'	50/50/2		2% CALC 2

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 type="checkbox"/> Plug Off Zone				

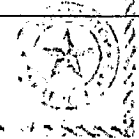
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	2518' - 2776'	FRAC'D WELL WITH 925,196 scf	
		80Q N2 FOAM @ 80BPM	


TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 6-10-91		Producing Method <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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



 Dowell Job Date: 05-01-2000	Customer: EXXON-MOBIL District: Representative: JOHN RICE DS Supervisor: Well: Culter 2-4
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TR PRESS psi	SLUR RATE bbl/min	BH INJ RATE bbl/min	N2 RATE scf/min	BH FOAM QUALITY %
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0	0.0	0.0	0	0.0
09:05:20	Started Acid			
0	0.0	0.0	0	0.0
0	0.0	0.0	0	0.0
14	0.0	0.0	0	0.0
-9	1.4	1.4	0	0.0
-9	1.4	1.4	0	0.0
09:08:09	Started Water Manually			
-9	1.4	1.4	0	0.0
0	1.4	1.4	0	0.0
-5	1.4	1.4	0	0.0
-5	5.9	5.9	0	0.0
-9	5.9	5.9	0	0.0
-9	5.9	5.9	0	0.0
-9	5.9	5.9	0	0.0
-9	5.9	5.9	0	0.0
-9	5.9	5.9	0	0.0
9	5.9	5.9	0	0.0
09:12:32	Activated Extend Stage			
9	1.6	1.6	0	0.0
09:12:56	Deactivated Extend Stage			
9	1.3	1.3	0	0.0
0	0.0	0.0	0	0.0
10:17:04	Stage at Perfs: Water			
0	0.0	0.0	0	0.0
0	0.0	0.0	0	0.0
0	0.0	0.0	0	0.0
11:38:39	Started PUMP Manually			
14	0.0	0.0	0	0.0
0	0.0	0.0	0	0.0
23	7.8	7.8	0	0.0
201	8.0	39.4	13335	0.0
508	8.0	40.1	13631	0.0
11:40:43	Stage at Perfs: PUMP			
659	8.0	40.3	13710	0.0
682	8.0	40.2	13676	0.0
764	8.0	40.2	13664	80.0
902	8.0	40.1	13618	80.1
1007	13.8	58.6	18970	80.1
1263	16.4	80.1	27028	80.1
1328	15.9	80.4	27314	79.0
1337	16.0	80.4	27328	80.0
1346	16.0	80.4	27341	80.2

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Well: Culter 2-4

TR PRESS psi	SLUR RATE bbl/min	BH INJ RATE bbl/min	N2 RATE scf/min	BH FOAM QUALITY %
1350	16.0	80.4	27328	80.2
1350	16.0	80.4	27309	80.2
1350	16.0	80.6	27390	80.1
1346	16.0	80.5	27343	80.2
1341	16.0	80.6	27387	80.2
1341	16.0	80.5	27343	80.2
1341	16.0	80.5	27346	80.2
1341	16.0	80.4	27333	80.2
1341	16.0	80.4	27335	80.2
1341	16.0	80.7	27425	80.2
1341	16.0	80.7	27431	80.2
1341	16.0	80.4	27312	80.2
1346	16.0	80.4	27339	80.2
1346	16.0	80.5	27343	80.2
1350	16.0	80.6	27422	80.2
1245	16.0	80.5	27339	80.2
1213	16.0	80.5	27341	80.1
1204	16.0	80.7	27441	80.2
1300	16.0	80.7	27447	80.2
1337	16.0	80.4	27333	80.2
1350	16.0	80.5	27369	80.2
1355	16.0	80.6	27379	80.2
1360	16.0	80.7	27455	80.2
1360	16.0	80.5	27368	80.2
1364	16.0	80.5	27373	80.2
1364	16.0	80.5	27344	80.2
1364	16.0	80.5	27346	80.2
1364	16.0	80.5	27383	80.2
1364	16.0	80.6	27384	80.2
1369	16.0	80.4	27328	80.2
1369	16.0	80.5	27382	80.2
1369	16.0	80.4	27335	80.2
1369	16.0	80.7	27455	80.2
1369	16.0	80.7	27454	80.2
1369	16.0	80.4	27329	80.2
1369	16.0	80.4	27312	80.2
1373	16.0	80.3	27293	80.2
1378	16.0	80.3	27277	80.2
1378	16.0	80.3	27280	80.1
1382	16.0	80.4	27311	80.1
1382	16.0	80.2	27219	80.1
1382	16.0	80.3	27265	80.1
1387	16.0	80.1	27204	80.1
1387	16.0	80.4	27328	80.1
1387	16.0	80.5	27340	80.1
1387	16.0	80.5	27355	80.1
1387	16.0	80.2	27244	80.1
1387	16.0	80.2	27224	80.1

(PRES
DROP
?)

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Well: Culter 2-4

TR PRESS psi	SLUR RATE bbl/min	BH INJ RATE bbl/min	N2 RATE scf/min	BH FOAM QUALITY %
1387	16.0	80.2	27226	80.1
1387	16.0	80.2	27249	80.1
1387	16.0	80.2	27241	80.1
1387	16.0	80.5	27366	80.1
1387	16.0	80.3	27269	80.1
1387	16.0	80.3	27278	80.1
1387	16.0	80.3	27290	80.1
1387	16.0	80.3	27287	80.1
1387	16.0	80.3	27289	80.1
1387	16.0	80.6	27399	80.1
1387	16.0	80.6	27403	80.1
1387	16.0	80.5	27350	80.1
12:14:54	Started FLUSH Automatically			
1387	16.0	80.6	27411	80.1
1360	0.2	64.3	27272	80.1
1305	0.0	64.3	27264	80.1
12:15:53	Stage at Perfs: FLUSH			
1314	0.0	64.3	27278	80.1
1318	0.0	3959.9	27274	98.7

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