

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: (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. 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: REPUBLIC FEE #1 UNIT, WELL #4

Original Comp. Date: 1-20-95 Original Total Depth: 6497  
 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>9-11-00</u>	<u>12-21-94</u>	<u>9-16-00</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 189-21052-00-02  
County: Stevens  
SE NE SE Sec. 23 Twp. 32 S. R. 37  East  West  
1650' FSL feet from (S) N (circle one) Line of Section  
330' FEL feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: REPUBLIC FEE #1 UNIT Well #: 4

Field Name: Hugoton  
Producing Formation: Chase  
Elevation: Ground: 3109' Kelly Bushing: 3126'  
Total Depth: 6497' Plug Back Total Depth: 3030'  
Amount of Surface Pipe Set and Cemented at 1769' 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 cm.

Drilling Fluid Management Plan *owwo rgr 9/22/08*  
(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: **RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: **JUN 17 2003**  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R.  East  West  
County: \_\_\_\_\_ Docket No.: **WICHITA, KS**

**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: 6/16/03  
Subscribed and sworn to before me this 16 day of June,  
2003  
Notary Public: Tiffany A. Stebbins  
Date Commission Expires: 9-27-05

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

  
TIFFANY A. STEBBINS  
NOTARY PUBLIC, STATE OF TEXAS  
MY COMMISSION EXPIRES  
SEPT. 27, 2005

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: REPUBLIC FEE #1 UNIT Well #: 4  
 Sec. 23 Twp. 32 S. R. 37  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:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>U. KRIDER</td> <td>2598</td> <td>2608</td> </tr> <tr> <td>L. KRIDER</td> <td>2628</td> <td>2655</td> </tr> <tr> <td>WINFIELD</td> <td>2678</td> <td>2704</td> </tr> <tr> <td>TOWANDA</td> <td>2732</td> <td>2775</td> </tr> <tr> <td>FT. RILEY</td> <td>2788</td> <td>2798</td> </tr> </table>	Name	Top	Datum	U. KRIDER	2598	2608	L. KRIDER	2628	2655	WINFIELD	2678	2704	TOWANDA	2732	2775	FT. RILEY	2788	2798
Name	Top	Datum																	
U. KRIDER	2598	2608																	
L. KRIDER	2628	2655																	
WINFIELD	2678	2704																	
TOWANDA	2732	2775																	
FT. RILEY	2788	2798																	

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#	1769'	CL C,	785SX	65:35:6 + 2% Calc
					CL C LITE		
PRODUCTION	7.875	5.500	15.5#	3073'	CL H	640SX	50:50 + 2% gel

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 <i>(Amount and Kind of Material Used)</i>	Depth
1 SPF	2598' - 2638'	FRAC'D WELL WITH 941,100 scf OF	
2 SPF	2645' - 2694'	80Q N2 FOAM @ 80BPM	
1 SPF	2694' - 2742'		
2 SPF	2754' - 2764'		
1 SPF	2765' - 2798'		

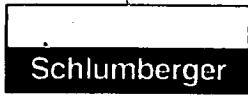
TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. <b>1-19-95</b>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Sumit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

ORIGINAL



**Schlumberger**  
**Dowell**

Job Date: 09-12-00

Customer: Exxon Mobil  
District: ULYSSES, KANSAS  
Representative: John Rice  
DS Supervisor: Dave Brawley  
Well: Republic

RECEIVED  
KANSAS CORPORATION COMMISSION  
JUN 17 2003  
CONSERVATION DIVISION  
WICHITA, KS

Time hh:mm:ss	TR PRESS psi	INJ RATE bbl/min	TOT INJ bbl	BH FOAM QUALITY %	TOT SLUR bbl
13:34:41	0	0.0	0.0	0.0	0.0
13:35:11	100	0.0	0.0	0.0	0.0
13:35:41	33	24.3	4.0	0.0	3.9
13:36:11	97	30.4	16.8	0.0	10.7
13:36:41	213	28.7	30.2	0.0	11.3
13:37:05	Stage at Perfs: Pad				
13:37:05	298	37.4	47.4	0.0	13.5
13:37:11	353	38.0	62.6	0.2	16.0
13:37:41	372	38.3	66.4	0.4	16.7
13:38:11	454	39.7	85.9	0.0	20.5
13:38:41	546	40.3	105.8	82.9	24.4
13:39:11	637	40.3	125.9	82.9	28.5
13:39:41	729	40.2	146.1	79.9	32.5
13:40:11	820	40.2	166.2	79.8	36.6
13:40:41	906	40.2	186.3	79.8	40.6
13:41:11	988	40.3	206.4	79.8	44.7
13:41:41	1061	40.4	226.5	79.8	48.7
13:42:11	1122	40.4	246.7	79.9	52.8
13:42:41	1162	40.0	266.8	79.9	56.8
13:43:11	1193	40.3	286.9	79.9	60.8
13:43:41	1214	40.5	307.1	79.9	64.9
13:44:11	1226	40.6	327.4	79.9	68.9
13:44:41	1235	40.2	347.7	80.0	73.0
13:45:11	1245	40.3	367.8	80.0	77.1
13:45:41	1254	40.4	388.0	80.0	81.1
13:46:11	1260	40.1	408.1	79.9	85.2
13:46:41	1263	40.1	428.2	79.9	89.2
13:47:11	1266	40.1	448.2	79.9	93.3
13:47:41	1269	40.2	468.3	79.8	97.4
13:48:11	1269	40.3	488.4	79.8	101.4
13:48:41	1269	41.3	508.6	79.8	105.5
13:49:11	1418	46.9	531.2	79.8	112.1
13:49:41	1498	79.6	569.0	78.3	119.7
13:50:11	1501	80.2	609.1	80.7	127.7
13:50:41	1501	80.3	649.2	80.0	135.8
13:51:11	1495	80.5	689.3	79.8	143.9
13:51:41	1483	80.5	729.6	79.8	152.0
13:52:11	1479	80.6	769.8	79.9	160.0
13:52:41	1476	80.7	810.1	79.9	168.1
13:53:11	1473	80.6	850.4	80.0	176.2
13:53:41	1473	80.6	890.7	79.9	184.3
13:54:11	1473	80.6	931.0	79.9	192.4
14:03:44	Started Pumping				

ORIGINAL

Well: Republic

Job Date: 09-12-00

RECEIVED  
KANSAS CORPORATION COMMISSION

JUN 17 2003

CONSERVATION DIVISION  
WICHITA, KS

Time hh:mm:ss	TR PRESS psi	INJ RATE bbl/min	TOT INJ bbl	BH FOAM QUALITY %	TOT SLUR bbl
14:03:44	1223	16.6	963.8	79.9	200.5
14:04:00	710	40.5	965.0	11.8	201.7
14:04:30	671	39.1	975.4	80.0	205.2
14:05:00	857	69.3	1006.9	80.0	213.1
14:05:30	1052	80.0	1044.7	75.0	221.1
14:06:00	1220	80.3	1084.7	79.3	229.1
14:06:30	1312	80.3	1124.8	80.0	237.1
14:07:00	1345	80.3	1165.0	80.1	245.1
14:07:30	1376	80.4	1205.1	80.1	253.1
14:08:00	1394	80.4	1245.3	80.1	261.1
14:08:30	1403	80.5	1285.6	80.1	269.1
14:09:00	1412	80.3	1325.8	80.1	277.1
14:09:30	1434	80.2	1365.9	80.1	285.1
14:10:00	1437	80.3	1406.0	80.1	293.1
14:10:30	1437	80.4	1446.2	80.1	301.1
14:11:00	1437	79.9	1486.4	80.1	309.1
14:11:30	1437	80.3	1526.4	80.1	317.1
14:12:00	1437	80.3	1566.6	80.0	325.1
14:12:30	1437	80.3	1606.7	80.1	333.1
14:13:00	1440	80.4	1646.9	80.1	341.1
14:13:30	1440	80.3	1687.0	80.1	349.1
14:14:00	1440	80.3	1727.2	80.1	357.1
14:14:30	1440	80.4	1767.4	80.1	365.1
14:15:00	1440	80.4	1807.6	80.1	373.1
14:15:30	1440	80.3	1847.7	80.1	381.1
14:16:00	1437	80.2	1887.9	80.1	389.1
14:16:30	1425	80.2	1928.0	80.1	397.1
14:17:00	1415	80.3	1968.1	80.1	405.1
14:17:30	1412	80.3	2008.2	80.1	413.1
14:18:00	1409	80.4	2048.4	80.1	421.1
14:18:30	1409	80.3	2088.6	80.1	429.0
14:19:00	1400	80.2	2128.7	80.1	437.0
14:19:30	1397	80.2	2168.8	80.1	445.0
14:20:00	1394	80.3	2209.0	80.1	453.0
14:20:30	1391	80.5	2249.2	80.1	461.0
14:21:00	1388	80.6	2289.5	80.2	468.9
14:21:30	1388	80.5	2329.8	80.2	476.9
14:22:00	1385	80.4	2370.0	80.2	484.9
14:22:30	1382	80.5	2410.3	80.2	492.9
14:23:00	1382	80.5	2450.5	80.1	500.9
14:23:30	1385	80.6	2490.8	80.1	508.9
14:24:00	1394	80.7	2531.1	80.2	516.8
14:24:30	1400	80.7	2571.5	80.2	524.8
14:25:00	1412	80.6	2611.8	80.3	532.8
14:25:30	1425	80.7	2652.1	80.3	540.7
14:25:35	Started Flush Automatically				
14:25:35	1440	80.7	2692.5	80.3	548.7
14:26:00	1443	80.7	2699.2	80.3	550.0

# ORIGINAL

Well: Republic

Job Date: 09-12-00

Time hh:mm:ss	TR PRESS psi	INJ RATE bbl/min	TOT INJ bbl	BH FOAM QUALITY %	TOT SLUR bbl
14:26:30	1312	64.8	2728.7	80.2	552.5
14:26:32	Stage at Perfs: Flush				
14:26:32	1290	64.6	2761.0	80.2	552.5
14:27:00	1290	64.6	2763.2	80.2	552.5
14:27:30	1092	2.8	2772.0	81.1	552.5

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KANSAS CORPORATION COMMISSION

JUN 17 2003

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WICHITA, KS