

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: K. BROWN UNIT, WELL #4

Original Comp. Date: 6-24-96 Original Total Depth: 2934'
 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>4-4-03</u>	<u>6-6-96</u>	<u>4-14-03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 189-22069-00-01
County: Stevens
SW NE NE Sec. 9 Twp. 33 S. R. 36 East West
1250' FNL feet from S / N (circle one) Line of Section
1250' 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: K. BROWN UNIT Well #: 4
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3037 Kelly Bushing: 3046
Total Depth: 2934 Plug Back Total Depth: 2885
Amount of Surface Pipe Set and Cemented at 624' 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.

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Drilling Fluid Management Plan OWWO KGR 2-4-08
(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: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

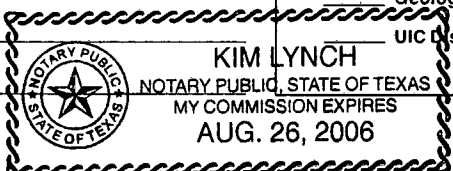
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: 8/4/03

Subscribed and sworn to before me this 4th day of August, 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: K. BROWN UNIT Well #: 4
 Sec. 9 Twp. 33 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 <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 (Submit Copy) 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>L. KRIDER</td> <td>2656</td> <td>2671</td> </tr> <tr> <td>WINFIELD</td> <td>2706</td> <td>2721</td> </tr> <tr> <td>TOWANDA</td> <td>2760</td> <td>2775</td> </tr> </table>	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	L. KRIDER	2656	2671	WINFIELD	2706	2721	TOWANDA	2760	2775
<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample														
Name	Top	Datum														
L. KRIDER	2656	2671														
WINFIELD	2706	2721														
TOWANDA	2760	2775														

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#	624	CLASS C	370	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2924	CLASS C	140,75	3%D79,2% B28

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
1 SPF	2656' - 2775'	FRAC'D WELL WITH 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. 6-20-96		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

Production Interval Other (Specify)

ORIGINAL

Schlumberger	Customer:	EXXON MOBIL
	District:	PERRYTON
	Representative:	MR. RICHARD LEWIS
	DS Supervisor:	HUMAIR SHAIKH
	Well:	Brown K-4
Job Date: 02/07/2003		

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	INJ RATE bbl/min	TOT INJ bbl	BH FOAM QUALITY %
04:08:2003:11:45:03	70	1.3	0.0	30	1.3	0.0	0.0
04:08:2003:11:45:23	437	0.0	0.0	50	0.0	0.0	0.0
04:08:2003:11:45:43	162	0.0	0.0	30	0.0	0.0	0.0
04:08:2003:11:46:03	132	0.0	0.0	1051	0.0	0.0	0.0
04:08:2003:11:46:23	128	0.0	0.0	0	0.0	0.0	0.0
04:08:2003:11:46:43	127	0.0	0.0	0	0.0	0.0	0.0
04:08:2003:11:47:03	4014	0.0	0.0	0	0.0	0.0	0.0
04:08:2003:11:47:23	3855	0.0	0.0	0	0.0	0.0	0.0
04:08:2003:11:47:43	191	0.0	0.0	0	0.0	0.0	0.0
04:08:2003:12:09:32	44	7.7	0.9	0	7.8	0.7	0.0
04:08:2003:12:09:52	72	8.0	3.5	0	7.9	3.4	0.0
04:08:2003:12:10:12	253	7.9	6.1	13516	39.6	13.5	0.0
04:08:2003:12:10:32	349	8.0	8.8	13624	39.9	26.8	0.0
04:08:2003:12:10:52	417	7.9	11.4	13835	40.0	40.1	0.0
04:08:2003:12:11:12	510	8.0	14.1	13614	39.9	53.4	0.0
04:08:2003:12:11:29	Stage at Perfs: PAD						
04:08:2003:12:11:29	609	7.9	16.3	13615	39.9	64.7	0.0
04:08:2003:12:11:32	631	7.9	16.7	13615	39.9	66.7	0.0
04:08:2003:12:11:52	806	15.4	20.3	18947	59.0	81.5	80.1
04:08:2003:12:12:12	1093	16.0	25.6	24665	73.9	103.9	80.2
04:08:2003:12:12:32	1364	16.0	31.0	27395	80.3	129.3	80.2
04:08:2003:12:12:52	1523	16.0	36.3	27138	79.8	156.0	76.9
04:08:2003:12:13:12	1589	16.0	41.6	27109	79.8	182.6	78.5
04:08:2003:12:13:32	1550	16.1	47.0	27122	79.8	209.2	79.9
04:08:2003:12:13:52	1504	16.0	52.3	27102	79.8	235.8	79.9
04:08:2003:12:14:12	1493	16.0	57.7	27112	79.8	262.4	79.9
04:08:2003:12:14:32	1481	16.0	63.0	27152	79.9	289.0	79.9
04:08:2003:12:14:52	1485	16.0	68.3	27163	79.9	315.7	79.9
04:08:2003:12:15:12	1481	16.0	73.7	27173	80.0	342.3	79.9
04:08:2003:12:15:32	1479	16.0	79.0	27162	79.9	369.0	79.9
04:08:2003:12:15:52	1469	16.0	84.4	27152	79.9	395.8	80.0
04:08:2003:12:16:12	1474	16.0	89.7	27152	79.9	422.3	80.0
04:08:2003:12:16:32	1472	16.0	95.1	27142	79.9	448.9	79.9
04:08:2003:12:16:52	1476	16.0	100.4	27151	79.9	475.5	79.9
04:08:2003:12:17:12	1470	16.0	105.7	27151	79.9	502.2	79.9
04:08:2003:12:17:32	1468	16.0	111.1	27152	79.9	528.8	79.9
04:08:2003:12:17:52	1472	16.0	116.4	27172	80.0	555.5	79.9
04:08:2003:12:18:12	1470	16.0	121.8	27082	79.7	582.1	79.9
04:08:2003:12:18:32	1474	16.0	127.1	27172	80.0	608.7	79.9
04:08:2003:12:18:52	1385	16.0	132.5	23948	69.9	630.8	79.9
04:08:2003:12:19:12	1421	16.0	137.8	27022	79.4	656.6	79.9
04:08:2003:12:19:32	1425	16.0	143.1	27263	80.2	683.3	76.5
04:08:2003:12:19:52	1431	16.0	148.5	27261	80.2	710.0	79.6
04:08:2003:12:20:12	1428	16.0	153.8	27293	80.2	736.7	79.9
04:08:2003:12:20:32	1431	16.0	159.2	27313	80.3	763.5	80.0
04:08:2003:12:20:52	1431	16.0	164.5	27333	80.3	790.2	80.0
04:08:2003:12:21:12	1437	16.0	169.9	27362	80.4	817.0	80.0
04:08:2003:12:21:32	1426	16.0	175.2	27363	80.4	843.8	80.0
04:08:2003:12:21:52	1431	16.0	180.5	27393	80.4	870.6	80.1
04:08:2003:12:22:12	1429	16.0	185.9	27373	80.5	897.4	80.1
04:08:2003:12:22:32	1431	16.0	191.2	27405	80.5	924.3	80.1
04:08:2003:12:22:52	1429	16.0	196.6	27410	80.5	951.1	80.1
04:08:2003:12:23:12	1413	16.0	201.9	27418	80.5	977.9	80.1
04:08:2003:12:23:32	1417	16.0	207.3	27419	80.5	1004.8	80.1
04:08:2003:12:23:52	1411	16.0	212.6	27409	80.5	1031.6	80.1
04:08:2003:12:24:12	1416	16.0	217.9	27429	80.6	1058.5	80.1
04:08:2003:12:24:32	1406	16.0	223.3	27439	80.6	1085.4	80.1
04:08:2003:12:24:52	1401	16.0	228.6	27449	80.6	1112.2	80.1
04:08:2003:12:25:12	1413	16.0	234.0	27446	80.6	1139.1	80.1
04:08:2003:12:25:32	1416	16.0	239.3	27448	80.6	1166.0	80.1
04:08:2003:12:25:52	1414	16.0	244.7	27433	80.6	1192.8	80.1
04:08:2003:12:26:12	1415	16.0	250.0	27453	80.6	1219.7	80.1
04:08:2003:12:26:32	1332	0.0	252.8	27485	64.7	1244.3	80.1
04:08:2003:12:26:52	1311	13.3	254.9	27317	79.4	1267.7	80.1
04:08:2003:12:27:12	1349	5.6	256.8	27324	69.6	1291.2	80.1
04:08:2003:12:27:32	1357	7.8	258.9	27322	71.8	1314.7	0.0
04:08:2003:12:27:52	1371	15.1	262.9	27332	79.0	1339.9	84.8
04:08:2003:12:28:12	1399	15.9	266.2	27352	80.3	1366.6	91.4
04:08:2003:12:28:32	1395	15.9	273.5	27361	80.2	1393.4	82.0
04:08:2003:12:28:52	1444	15.9	278.8	27352	80.2	1420.2	80.2
04:08:2003:12:29:12	1447	15.9	284.1	27352	80.3	1446.9	80.2
04:08:2003:12:29:32	1440	15.9	289.4	27372	80.3	1473.7	80.2
04:08:2003:12:29:52	1435	15.9	294.7	27372	80.3	1500.4	80.2
04:08:2003:12:30:12	1435	15.9	300.0	27372	80.3	1527.2	80.2
04:08:2003:12:30:32	1430	15.9	305.3	27382	80.3	1554.0	80.2
04:08:2003:12:30:52	1428	15.9	310.6	27382	80.3	1580.8	80.2
04:08:2003:12:31:12	1429	15.9	315.9	27382	80.3	1607.5	80.2
04:08:2003:12:31:32	1422	15.9	321.2	27372	80.3	1634.3	80.2
04:08:2003:12:31:52	1429	15.9	326.5	27381	80.4	1661.1	80.2
04:08:2003:12:32:12	1420	15.9	331.8	27382	80.3	1687.9	80.2
04:08:2003:12:32:32	1417	15.8	337.1	27372	80.3	1714.6	80.2
04:08:2003:12:32:52	1423	15.9	342.4	27392	80.3	1741.4	80.2
04:08:2003:12:33:12	1412	15.9	347.7	27382	80.3	1768.2	80.2

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Well: Brown K-4

Job Date: 02/07/2003

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	INJ RATE bbl/min	TOT INJ bbl	BH FOAM QUALITY %
04:08:2003:12:33:52	1407	15.9	358.3	27374	80.4	1821.8	80.2
04:08:2003:12:34:12	1411	15.9	363.6	27382	80.4	1848.5	80.2
04:08:2003:12:34:32	1413	15.9	368.9	27372	80.3	1875.3	80.2
04:08:2003:12:34:52	1416	15.9	374.2	27381	80.3	1902.1	80.2
04:08:2003:12:35:12	1417	15.9	379.5	27402	80.4	1928.9	80.2
04:08:2003:12:35:32	1419	15.8	384.8	27402	80.4	1955.7	80.2
04:08:2003:12:35:52	1416	15.9	390.1	27402	80.4	1982.5	80.2
04:08:2003:12:36:12	1422	15.9	395.4	27412	80.4	2009.3	80.2
04:08:2003:12:36:32	1415	15.9	400.7	27421	80.5	2036.1	80.2
04:08:2003:12:36:52	1417	15.9	406.0	27431	80.5	2062.9	80.2
04:08:2003:12:37:12	1428	15.9	411.3	27442	80.5	2089.7	80.2
04:08:2003:12:37:32	1421	15.9	416.6	27652	80.7	2116.5	80.2
04:08:2003:12:37:52	1422	15.9	421.9	27442	80.5	2143.6	80.2
04:08:2003:12:38:12	1415	15.9	427.2	27530	80.7	2170.6	80.3
04:08:2003:12:38:32	1407	15.9	432.5	26871	79.1	2197.1	80.4
04:08:2003:12:38:52	1402	16.0	437.8	26867	79.1	2223.5	80.3
04:08:2003:12:39:12	1398	16.1	443.2	26855	79.2	2249.9	80.0
04:08:2003:12:39:32	1395	16.1	448.5	26853	79.3	2276.3	79.9
04:08:2003:12:39:52	1401	16.2	453.9	26857	79.3	2302.7	79.8
04:08:2003:12:40:12	1394	16.2	459.3	26854	79.3	2329.2	79.7
04:08:2003:12:40:32	1289	0.2	464.4	22303	69.4	2355.6	79.7
04:08:2003:12:40:34	Started FLUSH Manually						
04:08:2003:12:40:34	1268	0.0	464.4	19880	46.8	2357.4	79.7
04:08:2003:12:40:52	1217	0.0	464.4	19930	46.9	2371.5	79.7
04:08:2003:12:41:12	1225	0.0	464.4	19940	46.9	2387.1	79.6
04:08:2003:12:41:32	1231	0.0	464.4	19930	46.9	2402.7	79.6
04:08:2003:12:41:52	1245	0.0	464.4	19930	46.9	2418.4	79.6
04:08:2003:12:41:58	Stage at Perfs: FLUSH						
04:08:2003:12:41:58	1210	0.0	464.4	19840	46.8	2423.1	0.0
04:08:2003:12:42:12	1136	0.0	464.4	0	0.0	2425.5	0.0
04:08:2003:12:42:32	1114	0.0	464.4	0	0.0	2425.5	0.0
04:08:2003:12:42:52	1101	0.0	464.4	0	0.0	2425.5	0.0

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