

**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

**ORIGINAL**

Operator: License # 5208  
Name: Exxon Mobil Oil Corporation \*  
Address: P. O. Box 4358  
City/State/Zip: Houston, TX 77210-4358  
Purchaser: Duke Energy Trading & Marketing  
Operator Contact Person: Kitty Birt  
Phone: (713) -431-1898

API No. 15 - 189-21097-0004  
County: Stevens  
C NW SW Sec. 16 Twp. 32 S. R. 35  East  West  
1980 feet from S N (circle one) Line of Section  
635 feet from E W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
--- (circle one) --- NE --- SE --- NW --- SW ---

Contractor: Name: DOWELL  
License: N. A.  
Wellsite Geologist: N. A.  
Designate Type of Completion: CONSERVATION DIVISION WICHITA, KS  
 New Well  Re-Entry  Workover (refrac)  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Lease Name: Brown #1 FF Unit Well #: 3  
Field Name: Hugoton  
Producing Formation: Chase  
Elevation: Ground: 3009 Kelly Bushing: 3019  
Total Depth: 6390 Plug Back Total Depth: 2860  
Amount of Surface Pipe Set and Cemented at 1789 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.

If Workover/Re-entry: Old Well Info as follows:  
Operator: Mobil Oil Corporation  
Well Name: Brown #1-FF Unit, Well # 3  
Original Comp. Date: 08/12/1987 Original Total Depth: 6390  
XXX FRACTURE TREATED  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back 2860 Plug Back Total Depth  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

Drilling Fluid Management Plan REWORK gtl 6/05/02  
(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.: \_\_\_\_\_

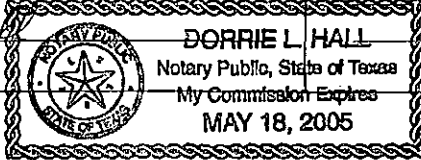
01/19/2002 08/09/1987 01/23/2002  
~~Spud~~ Date of START Date Reached TD Completion Date of  
OF WORKOVER WORKOVER

**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: Kitty Birt  
Title: Completions Admin Date: May 2, 2002  
Subscribed and sworn to before me this 2<sup>ND</sup> day of MAY,  
2002.

Notary Public: Dorrie L. Hall  
Date Commission Expires: 5/18/05



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 JIC Distribution

**KCC**

X

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: Brown #1 FF Unit Well #: 3

Sec. 16 Twp. 32 S. R. 35  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 checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input 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  Name Top Datum     <p style="text-align: center;">NO CHANGE</p>
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CASING RECORD <input 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	12-1/4	8-5/8	24	1789	CL-C	640	65:35:6+2%CC2
					CL-C	100	+2% CACL2
Production	7-7/8	5-1/2	14	3196	CL-H	670	50:50 poz+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 (Amount and Kind of Material Used)	Depth
2 SPF	2700-2720	frac w/ 80Q N2 foam @ plus/minus 80 BPM	

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. (See G-2)			Producing Method <input type="checkbox"/> Flowing <input checked="" 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	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)	<u>2700</u> <u>2720</u>

15-189-21097-0004

<b>Schlumberger</b>  Job Date: 01-21-2002	Customer: Exxon Mobil
	District: Ulysses, KS
	Representative: Mr. Richard Lewis
	DS Supervisor: Jason Small
	Well: Brown #1

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS2 psi	BH FOAM QUALITY %	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl
01:21:2002:12:31:53	2879	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:32:13	2875	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:32:33	2843	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:32:53	2792	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:33:13	2760	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:33:33	2756	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:33:53	481	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:34:13	526	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:34:33	536	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:35:13	540	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:35:53	536	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:38:33	531	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:41:53	526	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:45:53	522	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:49:33	517	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:50:13	522	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:50:33	517	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:53:53	513	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:58:13	508	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:58:33	513	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:12:58:53	508	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:06:13	504	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:06:33	508	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:06:53	504	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:07:13	508	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:07:33	504	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:07:53	508	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:08:13	504	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:11:33	14	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:11:53	18	0.0	0.0	0.0	0	0.0	0.0
01:21:2002:13:12:13	69	0.0	0.0	0.0	2341	0.0	0.0
01:21:2002:13:12:33	169	0.0	3.1	0.0	11626	0.0	0.0
01:21:2002:13:12:53	284	0.0	8.4	0.0	12627	0.0	0.0
01:21:2002:13:13:13	380	0.0	8.3	0.0	12787	0.0	0.0
01:21:2002:13:13:33	462	0.0	8.0	0.0	13227	0.0	0.0
01:21:2002:13:13:37	Started Pad						
01:21:2002:13:13:37	481	0.0	8.1	0.0	13227	0.0	0.0
01:21:2002:13:13:53	568	0.0	8.0	2.1	13647	3.6	9.9
01:21:2002:13:14:13	655	0.0	7.9	4.8	13647	8.2	23.3
01:21:2002:13:14:33	732	0.0	7.9	7.4	13667	12.7	36.6
01:21:2002:13:14:53	824	0.0	7.8	10.0	13667	17.3	50.0
01:21:2002:13:15:11	Stage at Perfs: Pad						
01:21:2002:13:15:11	1003	80.2	16.3	13.6	22111	22.9	66.2
01:21:2002:13:15:13	1025	80.2	16.7	14.2	23092	23.6	68.5
01:21:2002:13:15:33	1222	80.4	15.5	19.5	25393	31.8	93.2
01:21:2002:13:15:53	1346	80.5	16.0	24.8	24513	40.3	118.4
01:21:2002:13:16:13	1437	78.0	16.0	30.1	26194	48.7	143.6
01:21:2002:13:16:33	1506	80.4	16.0	35.5	27474	57.5	169.7
01:21:2002:13:16:53	1584	79.0	16.0	40.8	27314	66.7	196.6
01:21:2002:13:17:13	1666	79.6	15.9	46.1	27214	75.8	223.4
01:21:2002:13:17:33	1712	80.0	16.0	51.4	27194	84.8	250.1
01:21:2002:13:17:53	1721	80.1	15.9	56.8	27134	93.9	276.7
01:21:2002:13:18:13	1726	80.1	16.0	62.1	27214	102.9	303.4
01:21:2002:13:18:33	1740	80.1	15.9	67.4	27114	112.0	330.1
01:21:2002:13:18:53	1740	80.1	16.0	72.7	27334	121.1	356.7
01:21:2002:13:19:13	1726	80.1	15.9	78.0	27294	130.2	383.5
01:21:2002:13:19:33	1721	80.1	15.9	83.3	27294	139.3	410.3
01:21:2002:13:19:53	1726	80.1	15.9	88.6	27294	148.3	437.0
01:21:2002:13:20:13	1721	80.2	15.9	93.9	27274	157.4	463.8
01:21:2002:13:20:33	1726	80.2	15.9	99.2	27274	166.5	490.5
01:21:2002:13:20:53	1726	80.2	15.9	104.6	27274	175.6	517.3
01:21:2002:13:21:13	1721	80.1	15.9	109.9	27314	184.7	544.1
01:21:2002:13:21:33	1712	80.1	15.9	115.2	27294	193.8	570.8
01:21:2002:13:21:53	1703	80.1	15.9	120.5	27294	202.9	597.6
01:21:2002:13:22:13	1694	80.1	15.9	125.8	27274	212.0	624.4
01:21:2002:13:22:33	1689	80.1	15.9	131.1	27274	221.1	651.1
01:21:2002:13:22:53	1685	80.1	16.0	136.4	27274	230.2	677.9
01:21:2002:13:23:13	1680	80.1	15.9	141.8	27294	239.3	704.7
01:21:2002:13:23:33	1675	80.1	16.0	147.1	27294	248.4	731.4
01:21:2002:13:23:53	1671	80.1	16.0	152.4	27294	257.5	758.2
01:21:2002:13:24:13	1671	80.1	16.0	157.7	27294	266.6	785.0

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 09 2002

CONSERVATION DIVISION  
WICHITA, KS

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS2 psi	BH FOAM QUALITY %	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl
01:21:2002:13:25:13	1662	80.1	16.0	173.7	27294	293.9	865.3
01:21:2002:13:25:33	1657	80.1	15.9	179.0	27294	302.9	892.0
01:21:2002:13:25:53	1657	80.1	16.0	184.3	27294	312.0	918.8
01:21:2002:13:26:13	1653	80.1	15.9	189.6	27294	321.1	945.6
01:21:2002:13:26:33	1648	80.1	16.0	195.0	27274	330.2	972.4
01:21:2002:13:26:53	1648	80.1	15.9	200.3	27294	339.3	999.1
01:21:2002:13:27:13	1648	80.1	15.9	205.6	27274	348.4	1025.9
01:21:2002:13:27:33	1643	80.1	16.0	210.9	27134	357.5	1052.7
01:21:2002:13:27:53	1639	80.1	16.0	216.3	27154	366.5	1079.3
01:21:2002:13:28:13	1639	80.1	15.9	221.6	27174	375.6	1106.0
01:21:2002:13:28:33	1634	80.0	16.0	226.9	27174	384.7	1132.7
01:21:2002:13:28:53	1634	80.0	15.9	232.2	27194	393.7	1159.4
01:21:2002:13:29:13	1634	80.0	16.0	237.6	27194	402.8	1186.1
01:21:2002:13:29:33	1630	80.0	16.0	242.9	27194	411.8	1212.8
01:21:2002:13:29:53	1630	80.1	16.0	248.2	27174	420.9	1239.5
01:21:2002:13:30:13	1625	80.0	16.0	253.6	27174	430.0	1266.2
01:21:2002:13:30:33	1625	80.0	16.0	258.9	27174	439.0	1292.8
01:21:2002:13:30:53	1625	80.0	16.0	264.2	27194	448.1	1319.5
01:21:2002:13:31:13	1620	80.0	16.0	269.5	27174	457.1	1346.2
01:21:2002:13:31:33	1620	80.0	15.9	274.9	27174	466.2	1372.9
01:21:2002:13:31:53	1620	80.0	16.0	280.2	27194	475.3	1399.6
01:21:2002:13:32:13	1616	80.0	16.0	285.5	27194	484.3	1426.3
01:21:2002:13:32:33	1616	80.0	16.0	290.9	27174	493.4	1453.0
01:21:2002:13:32:53	1611	80.0	16.0	296.2	27194	502.4	1479.7
01:21:2002:13:33:13	1611	80.0	15.9	301.5	27194	511.5	1506.4
01:21:2002:13:33:33	1607	80.0	16.0	306.8	27194	520.6	1533.1
01:21:2002:13:33:53	1607	80.0	15.9	312.2	27174	529.6	1559.8
01:21:2002:13:34:13	1607	80.0	16.0	317.5	27174	538.7	1586.5
01:21:2002:13:34:33	1607	80.0	16.0	322.8	27154	547.7	1613.2
01:21:2002:13:34:53	1602	80.0	16.0	328.2	27194	556.8	1640.0
01:21:2002:13:35:13	1602	80.0	15.9	333.5	27174	565.9	1666.7
01:21:2002:13:35:33	1602	80.0	15.9	338.8	27194	574.9	1693.4
01:21:2002:13:35:53	1598	80.0	16.0	344.2	27194	584.0	1720.1
01:21:2002:13:36:13	1593	80.0	16.0	349.5	27194	593.1	1746.8
01:21:2002:13:36:33	1593	80.0	16.0	354.9	27154	602.1	1773.5
01:21:2002:13:36:53	1588	80.0	16.0	360.2	27174	611.2	1800.2
01:21:2002:13:37:13	1588	80.0	16.0	365.5	27174	620.2	1826.9
01:21:2002:13:37:33	1584	80.0	16.0	370.9	27194	629.3	1853.6
01:21:2002:13:37:53	1584	80.0	15.9	376.2	27194	638.4	1880.3
01:21:2002:13:38:13	1584	80.0	16.0	381.6	27194	647.4	1907.0
01:21:2002:13:38:33	1584	80.0	16.0	386.9	27194	656.5	1933.7
01:21:2002:13:38:53	1579	80.0	16.0	392.2	27194	665.5	1960.5
01:21:2002:13:39:13	1584	80.0	16.0	397.6	27194	674.6	1987.2
01:21:2002:13:39:33	1579	80.0	16.0	402.9	27194	683.7	2013.9
01:21:2002:13:39:53	1579	80.0	16.2	408.3	27174	692.7	2040.6
01:21:2002:13:40:13	1579	80.0	16.0	413.6	27174	701.8	2067.3
01:21:2002:13:40:33	1579	80.0	16.0	419.0	27174	710.8	2094.0
01:21:2002:13:40:53	1579	80.0	16.0	424.3	27194	719.9	2120.7
01:21:2002:13:41:13	1584	80.0	16.0	429.7	27194	729.0	2147.4
01:21:2002:13:41:33	1579	80.0	16.0	435.0	27194	738.0	2174.1
01:21:2002:13:41:53	1675	80.0	16.0	440.3	27174	747.1	2200.8
01:21:2002:13:42:13	1679	80.0	16.2	445.7	27174	756.1	2227.6
01:21:2002:13:42:33	1675	80.0	16.0	451.0	27174	765.2	2254.3
01:21:2002:13:42:53	1570	80.0	16.0	456.4	27194	774.3	2281.0
01:21:2002:13:43:13	1575	80.0	16.0	461.7	27174	783.3	2307.7
01:21:2002:13:43:33	1575	80.0	16.0	467.1	27174	792.4	2334.4
01:21:2002:13:43:53	1570	80.0	16.0	472.4	27154	801.4	2361.1
01:21:2002:13:44:13	1570	80.0	16.0	477.8	27154	810.5	2387.9
01:21:2002:13:44:33	1570	80.0	16.0	483.1	27194	819.6	2414.6
01:21:2002:13:44:53	1570	80.0	16.0	488.5	27194	828.6	2441.3
01:21:2002:13:45:13	1566	80.0	16.0	493.8	27174	837.7	2468.0
01:21:2002:13:45:33	1566	80.0	16.2	499.2	27174	846.7	2494.8
01:21:2002:13:45:53	1570	80.0	16.0	504.5	27194	855.8	2521.5
01:21:2002:13:46:13	1570	80.0	16.0	509.9	27194	864.9	2548.2
01:21:2002:13:46:33	1566	80.0	16.0	515.2	27194	873.9	2574.9
01:21:2002:13:46:53	1566	80.0	16.0	520.6	27194	883.0	2601.6
01:21:2002:13:47:13	1566	80.0	16.2	525.9	27194	892.1	2628.4
01:21:2002:13:47:33	1566	80.0	16.0	531.3	27194	901.1	2655.1
01:21:2002:13:47:53	1566	80.0	16.0	536.6	27154	910.2	2681.8
01:21:2002:13:48:13	1566	80.0	16.0	542.0	27174	919.2	2708.5
01:21:2002:13:48:33	1566	80.0	16.0	547.4	27194	928.3	2735.3
01:21:2002:13:48:42	Started Flush Manually						
01:21:2002:13:48:42	1506	80.0	0.0	549.4	27194	932.4	2747.1
01:21:2002:13:48:53	1456	80.0	0.0	549.4	27194	937.4	2758.9
01:21:2002:13:49:13	1437	80.0	0.0	549.4	27194	946.4	2780.3
01:21:2002:13:49:33	1442	80.0	0.0	549.4	27174	955.5	2801.6
01:21:2002:13:49:46	Stage at Perfs: Flush						
01:21:2002:13:49:46	1318	0.0	0.0	549.4	10946	960.6	2814.4

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 WICHITA, KS

# ORIGINAL

Well: Brown #1

Job Date: 01-21-2002

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS2 psi	BH FOAM QUALITY %	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl
01:21:2002:13:49:53	1250	0.0	0.0	549.4	0	960.8	2815.3
01:21:2002:13:50:13	1213	0.0	0.0	549.4	0	960.8	2815.3
01:21:2002:13:50:33	1199	0.0	0.0	549.4	0	960.8	2815.3

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