

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: Duke Energy Trading & Marketing
Operator Contact Person: Kitty Birt
Phone: (713) 431-1898
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 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: E. Brown Unit, Well # 3

Original Comp. Date: 09/29/1990 Original Total Depth: 6800
~~XXX FRACTURE TREATED~~
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back 2930 Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

06/01/2001 08/16/1990 06/08/2001
~~Spud~~ Date of START Date Reached TD Completion Date of
OF WORKOVER WORKOVER

API No. 15 - 189-21434 - 0001
County: Stevens
APX C - E2 Sec. 13 Twp. 34 S. R. 38 East West
2413 feet from S / N (circle one) Line of Section
1250 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: E. Brown Unit Well #: 3
Field Name: Hugoton

Producing Formation: Chase
Elevation: Ground: 3179 Kelly Bushing: 3195
Total Depth: 6800 Plug Back Total Depth: 2930
Amount of Surface Pipe Set and Cemented at 1762 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.

Drilling Fluid Management Plan REWORK JR 6/19/02
(Data must be collected from the Reserve Pit)
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used _____

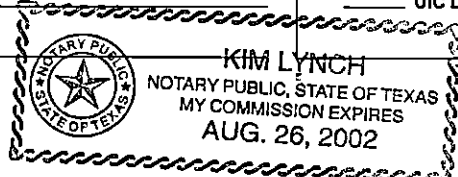
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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: April 15, 2002
Subscribed and sworn to before me this 16th day of April
2002
Notary Public: Kim Lynch
Date Commission Expires: Aug. 26, 2002

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


KIM LYNCH
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
AUG. 26, 2002

X

Operator Name: Exxon Mobil Oil Corporation * Lease Name: E. Brown Unit Well #: e
 Sec. 13 Twp. 34 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Name	Top	Datum
Chase	2630	
Council Grove	2980	
Wabunsee	3392	
Shawnee	3670	
Lansing	4268	
Kansas City	4684	
Marmaton	5082	
Cherokee	5366	
Morrow	5855	
Chester	6385	

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	1762	CL C	590	65:35:6+3% CC
					CL C	190	+ 2% CC
Production	7-7/8	5-1/2	14	3054	CL H Lite	175	65:35

ADDITIONAL CEMENTING / SQUEEZE RECORD <u>CL-H</u> <u>320</u> <u>50:50:2+2%CC</u>				
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.	2630-48, 2660-74, 2688-2732, 2750-80, 2804-2853	Frac w/ N2 80Q 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 checked="" 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 2630
2853

ORIGINAL

15-189-21434-0001

Schlumberger	Customer:	Exxon Mobil
	District:	ULYSSES
	Representative:	Richard Leibs
	DS Supervisor:	Dave Brawley
	Well:	E. Brown 3
Job Date: 06-05-2001		

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS2 psi	TOT CFLD bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl	BH FOAM QUALITY %
06:05:2001:13:23:33	69	0.0	0	0.0	0.0	0.0
06:05:2001:13:23:53	4866	0.0	0	0.0	0.0	0.0
06:05:2001:13:24:13	4683	0.0	0	0.0	0.0	0.0
06:05:2001:13:24:33	4628	0.0	0	0.0	0.0	0.0
06:05:2001:13:24:53	4349	0.0	0	0.0	0.0	0.0
06:05:2001:13:25:13	380	0.0	0	0.0	0.0	0.0
06:05:2001:13:25:33	4262	0.0	0	0.0	0.0	0.0
06:05:2001:13:25:53	4170	0.0	0	0.0	0.0	0.0
06:05:2001:13:26:00	Pressure Test Lines					
06:05:2001:13:26:00	1671	0.0	0	0.0	0.0	0.0
06:05:2001:13:26:13	1712	0.0	0	0.0	0.0	0.0
06:05:2001:13:26:33	3259	0.0	0	0.0	0.0	0.0
06:05:2001:13:26:53	3241	0.0	0	0.0	0.0	0.0
06:05:2001:13:27:13	3227	0.0	0	0.0	0.0	0.0
06:05:2001:13:27:33	3218	0.0	0	0.0	0.0	0.0
06:05:2001:13:27:53	3209	0.0	0	0.0	0.0	0.0
06:05:2001:13:28:13	3200	0.0	0	0.0	0.0	0.0
06:05:2001:13:28:33	3195	0.0	0	0.0	0.0	0.0
06:05:2001:13:28:53	3191	0.0	0	0.0	0.0	0.0
06:05:2001:13:29:13	169	0.0	0	0.0	0.0	0.0
06:05:2001:13:29:33	439	0.0	0	0.0	0.0	0.0
06:05:2001:13:29:53	18	0.0	0	0.0	0.0	0.0
06:05:2001:13:30:13	9	0.0	0	0.0	0.0	0.0
06:05:2001:13:30:22	Started PAD					
06:05:2001:13:30:24	37	0.0	0	0.0	0.0	0.0
06:05:2001:13:30:33	46	0.0	0	0.0	0.0	0.0
06:05:2001:13:30:53	14	0.9	0	0.0	0.9	0.0
06:05:2001:13:31:13	174	3.5	5403	1.8	7.4	0.0
06:05:2001:13:31:33	266	6.1	6363	3.7	14.6	0.0
06:05:2001:13:31:53	407	8.7	13107	7.5	25.9	0.0
06:05:2001:13:32:13	545	11.3	13207	11.9	38.8	0.0
06:05:2001:13:32:33	668	13.9	13727	16.4	51.9	0.0
06:05:2001:13:32:52	Stage at Perfs: PAD					
06:05:2001:13:32:52	764	16.3	13707	20.7	64.6	0.0
06:05:2001:13:32:53	787	16.5	13727	20.9	65.3	0.0
06:05:2001:13:33:13	865	19.0	12587	25.3	78.3	65.9
06:05:2001:13:33:33	1135	22.2	27138	34.0	101.1	80.1
06:05:2001:13:33:53	-3538	27.0	27207	43.0	127.2	80.4
06:05:2001:13:34:13	-3538	32.3	27225	52.1	154.0	86.0
06:05:2001:13:34:33	1469	37.7	27281	61.2	180.8	80.3
06:05:2001:13:34:53	1520	43.0	27265	70.3	207.5	80.1
06:05:2001:13:35:13	1547	48.4	27287	79.4	234.3	80.1
06:05:2001:13:35:33	1566	53.7	27145	88.5	261.1	80.1
06:05:2001:13:35:53	1579	59.0	27143	97.5	287.8	80.1
06:05:2001:13:36:13	1602	64.4	27161	106.6	314.5	80.0
06:05:2001:13:36:33	1598	69.7	27198	115.6	341.2	80.0
06:05:2001:13:36:53	1611	75.1	27216	124.7	367.9	80.0
06:05:2001:13:37:13	1634	80.4	27236	133.7	394.6	80.0
06:05:2001:13:37:33	1630	85.8	27291	142.8	421.4	80.0
06:05:2001:13:37:53	1634	91.1	27347	151.9	448.2	80.0
06:05:2001:13:38:13	1630	96.4	27347	161.0	475.1	80.0
06:05:2001:13:38:33	1634	101.8	27385	170.2	501.9	80.1
06:05:2001:13:38:53	1625	107.1	27369	179.3	528.8	80.1
06:05:2001:13:39:13	1634	112.5	27243	188.4	555.6	80.1
06:05:2001:13:39:33	1634	117.8	27225	197.5	582.3	80.1
06:05:2001:13:39:53	1611	123.2	27263	206.5	609.1	80.0
06:05:2001:13:40:13	1602	128.5	27241	215.6	635.9	80.0

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 09 2002

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Well: E. Brown 3

Job Date: 06-05-2001

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS2 psi	TOT CFLD bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl	BH FOAM QUALITY %
06:05:2001:13:40:53	1584	139.2	27178	233.8	689.3	80.0
06:05:2001:13:41:13	1575	144.5	27158	242.8	716.0	80.0
06:05:2001:13:41:33	1570	149.9	27236	251.9	742.8	80.0
06:05:2001:13:41:53	1561	155.2	27256	261.0	769.5	80.0
06:05:2001:13:42:13	1570	160.6	27238	270.1	796.3	80.0
06:05:2001:13:42:33	1588	165.9	27296	279.1	823.1	80.0
06:05:2001:13:42:53	1579	171.3	27352	288.2	849.9	80.0
06:05:2001:13:43:13	1584	176.6	27336	297.4	876.7	80.1
06:05:2001:13:43:33	1566	182.0	27372	306.5	903.6	80.1
06:05:2001:13:43:53	1579	187.3	27407	315.6	930.5	80.1
06:05:2001:13:44:13	1588	192.6	27187	324.7	957.3	80.1
06:05:2001:13:44:33	1584	198.0	27109	333.7	983.9	80.1
06:05:2001:13:44:53	1584	203.3	27069	342.8	1010.6	80.0
06:05:2001:13:45:13	1584	208.7	27029	351.8	1037.2	80.0
06:05:2001:13:45:33	1579	214.0	27070	360.8	1063.8	79.9
06:05:2001:13:45:53	1607	219.4	27109	369.8	1090.4	79.9
06:05:2001:13:46:13	1598	224.7	27149	378.9	1117.1	79.9
06:05:2001:13:46:33	1584	230.0	27149	387.9	1143.8	79.9
06:05:2001:13:46:53	1598	235.4	27150	397.0	1170.4	80.0
06:05:2001:13:47:13	1588	240.7	27205	406.0	1197.2	80.0
06:05:2001:13:47:33	1607	246.1	27225	415.1	1223.9	80.0
06:05:2001:13:47:53	1607	251.4	27227	424.2	1250.6	80.0
06:05:2001:13:48:13	1588	256.8	27245	433.3	1277.4	80.0
06:05:2001:13:48:33	1602	262.1	27205	442.3	1304.1	80.0
06:05:2001:13:48:53	1607	267.4	27165	451.4	1330.9	80.0
06:05:2001:13:49:13	1611	272.8	27143	460.4	1357.5	80.0
06:05:2001:13:49:33	1616	278.1	27140	469.5	1384.2	80.0
06:05:2001:13:49:53	1602	283.5	27101	478.5	1410.9	80.0
06:05:2001:13:50:13	1607	288.8	27083	487.6	1437.5	80.0
06:05:2001:13:50:33	1630	294.2	27103	496.6	1464.2	80.0
06:05:2001:13:50:53	1620	299.5	27141	505.6	1490.9	79.9
06:05:2001:13:51:13	1620	304.9	27181	514.7	1517.5	79.9
06:05:2001:13:51:33	1630	310.2	27254	523.8	1544.3	80.0
06:05:2001:13:51:53	1620	315.5	27329	532.9	1571.1	80.0
06:05:2001:13:52:13	1630	320.9	27365	542.0	1597.9	80.0
06:05:2001:13:52:33	1620	326.2	27403	551.1	1624.8	80.1
06:05:2001:13:52:53	1620	331.6	27403	560.2	1651.7	80.1
06:05:2001:13:53:13	1616	336.9	27278	569.4	1678.5	80.1
06:05:2001:13:53:33	1616	342.3	27280	578.5	1705.3	80.1
06:05:2001:13:53:53	1630	347.6	27332	587.6	1732.1	80.1
06:05:2001:13:54:13	1620	352.9	27371	596.7	1759.0	80.1
06:05:2001:13:54:33	1625	358.3	27389	605.8	1785.9	80.1
06:05:2001:13:54:53	1611	363.6	27372	614.9	1812.7	80.1
06:05:2001:13:55:13	1607	369.0	27372	624.1	1839.6	80.1
06:05:2001:13:55:33	1630	374.3	27354	633.2	1866.5	80.1
06:05:2001:13:55:53	1625	379.7	27392	642.3	1893.3	80.1
06:05:2001:13:56:13	1620	385.0	27431	651.4	1920.2	80.1
06:05:2001:13:56:33	1616	390.4	27429	660.6	1947.1	80.1
06:05:2001:13:56:53	1620	395.7	27425	669.7	1974.0	80.1
06:05:2001:13:57:13	1630	401.0	27425	678.9	2000.9	80.1
06:05:2001:13:57:33	1620	406.4	27389	688.0	2027.8	80.1
06:05:2001:13:57:53	1616	411.7	27243	697.1	2054.7	80.1
06:05:2001:13:58:13	1611	417.1	27245	706.2	2081.4	80.1
06:05:2001:13:58:33	1611	422.4	27245	715.3	2108.2	80.1
06:05:2001:13:58:53	1598	427.8	27281	724.4	2135.0	80.0
06:05:2001:13:59:13	1625	433.1	27318	733.5	2161.7	80.0
06:05:2001:13:59:33	1607	438.4	27256	742.6	2188.6	80.0
06:05:2001:13:59:53	1602	443.8	27180	751.6	2215.3	80.1
06:05:2001:14:00:13	1611	449.1	27121	760.7	2242.0	80.0
06:05:2001:14:00:33	1593	454.5	27065	769.7	2268.6	80.0
06:05:2001:14:00:53	1620	459.8	27129	778.7	2295.3	80.0
06:05:2001:14:01:13	1611	465.2	27110	787.8	2322.0	79.9
06:05:2001:14:01:33	1593	470.5	27169	796.8	2348.7	80.0

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CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Well: E. Brown 3

Job Date: 06-05-2001

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS2 psi	TOT CFLD bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl	BH FOAM QUALITY %
06:05:2001:14:01:53	1611	475.8	27225	805.9	2375.4	80.0
06:05:2001:14:02:13	1602	481.2	27207	815.0	2402.1	80.0
06:05:2001:14:02:33	1616	486.5	27169	824.0	2428.8	80.0
06:05:2001:14:02:53	1616	491.9	27169	833.1	2455.5	80.0
06:05:2001:14:03:13	1602	497.2	27169	842.2	2482.2	80.0
06:05:2001:14:03:33	1602	502.6	27207	851.2	2509.0	80.0
06:05:2001:14:03:53	1616	507.9	27209	860.3	2535.7	80.0
06:05:2001:14:04:13	1607	513.3	27172	869.4	2562.4	80.0
06:05:2001:14:04:33	1611	518.6	27190	878.4	2589.2	80.0
06:05:2001:14:04:53	1593	523.9	27190	887.5	2615.9	80.0
06:05:2001:14:05:13	1602	529.3	27209	896.5	2642.6	80.0
06:05:2001:14:05:33	1602	534.6	27227	905.6	2669.3	80.0
06:05:2001:14:05:53	1570	540.0	27243	914.7	2696.1	80.0
06:05:2001:14:06:13	1524	545.3	27298	923.8	2722.8	80.0
06:05:2001:14:06:31	Started Flush Automatically					
06:05:2001:14:06:31	1447	550.0	27352	932.0	2746.9	80.0
06:05:2001:14:06:33	1424	550.3	27332	932.9	2749.5	80.0
06:05:2001:14:06:53	1392	550.3	27369	942.0	2771.1	80.0
06:05:2001:14:07:13	1424	550.3	27443	951.2	2792.6	80.1
06:05:2001:14:07:32	Stage at Perfs: Flush					
06:05:2001:14:07:32	1414	550.3	25764	959.8	2813.1	91.3
06:05:2001:14:07:33	1387	550.3	3138	960.1	2814.1	97.5
06:05:2001:14:07:53	1328	550.3	0	960.1	2814.8	97.5
06:05:2001:14:08:13	1314	550.3	0	960.1	2814.8	97.5

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