

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
 New Well Re-Entry Workover (fract)
 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: Madden #2, Unit, Well #4
Original Comp. Date: 02/09/1995 Original Total Depth: 2949
~~XXX FRACTURE TREATED~~
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back 2894 Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
07/27/2001 01/11/1995 08/02/2001
~~DATE~~ Date of START Date Reached TD Completion Date of
OF WORKOVER WORKOVER

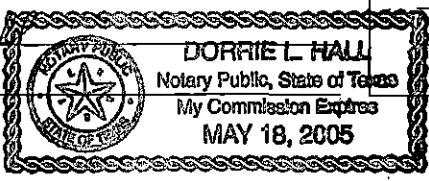
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KANSAS CORPORATION COMMISSION
MAY 09 2002

API No. 15 - 189-21839-0001
County: Stevens
NW SE NE Sec. 11 Twp. 33 S. R. 37 East West
1390 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: Madden #2 Unit Well #: 4
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3078 Kelly Bushing: 3089
Total Depth: 2949 Plug Back Total Depth: 2894
Amount of Surface Pipe Set and Cemented at 650 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 REMARK gpl 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.: _____

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 A. Birt
Title: Completions Admin. Date: April 30, 2002
Subscribed and sworn to before me this 30th day of April,
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
 UIC Distribution
KCC

X

Operator Name: Exxon Mobil Oil Corporation * Lease Name: Madden #2 Unit Well #: 4

Sec. 11 Twp. 33 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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i></p> <p>List All E. Logs Run:</p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>Glorietta</td> <td>1207</td> <td>1374</td> </tr> <tr> <td>Stone Corral</td> <td>1676</td> <td>1738</td> </tr> <tr> <td>Chase</td> <td>2572</td> <td>2906</td> </tr> <tr> <td>Council Grove</td> <td>2906</td> <td>—</td> </tr> </table>	Name	Top	Datum	Glorietta	1207	1374	Stone Corral	1676	1738	Chase	2572	2906	Council Grove	2906	—
Name	Top	Datum														
Glorietta	1207	1374														
Stone Corral	1676	1738														
Chase	2572	2906														
Council Grove	2906	—														

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 Casing	12.250	8.625	24	650	Class C	325	50:50 c/poz
Production Casing	7.875	5.500	14	2939	Class C	270	3% D79
					Class C	150	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 <i>(Amount and Kind of Material Used)</i>	Depth
2 spf	2602-2612	frac w/ 80Q N2 foam @ plus/minus 80 BPM	
1 spf	2642-2662		
2 spf	2685-2695		
1 spf	2702-2708, 2742-2757, 2767-2777, 2790-2800		

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. (See G-2)	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 <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Sumit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	Production Interval <u>2602</u> <u>2800</u>
	<input type="checkbox"/> Other (Specify) _____	

15-189-21839-0001

Schlumberger	Customer: Exxon Mobil
	District: ULYSSES
	Representative: Richard Lewis
	DS Supervisor: Dave Brawley
Job Date: 07-31-2001	Weil: Madden 2-4

AcqTime hh:mm:ss	TR PRESS psi	CFLD RATE bbl/min	TOT CFLD bbl	N2 PUMP RATE bbl/min	TOT N2 Mscf	N2 RATE scf/min	INJ RATE bbl/min	BH FOAM QUALITY %
08:10:49	55	0.0	0.0	0.0	0.0	0	0.0	0.0
08:11:29	3072	0.0	0.0	0.0	0.0	0	0.0	0.0
08:11:49	2765	0.0	0.0	0.0	0.0	0	0.0	0.0
08:12:09	2577	0.0	0.0	0.0	0.0	0	0.0	0.0
08:12:26	Pressure Test Lines							
08:12:26	2499	0.0	0.0	0.0	0.0	70	0.0	0.0
08:12:29	2490	0.0	0.0	0.0	0.0	2391	0.0	0.0
08:12:49	2444	0.0	0.0	0.0	0.0	2371	0.0	0.0
08:13:09	2477	0.0	0.0	0.0	0.0	30	0.0	0.0
08:13:29	2618	0.0	0.0	0.0	0.0	0	0.0	0.0
08:13:49	2696	0.0	0.0	0.0	0.0	0	0.0	0.0
08:14:09	2660	0.0	0.0	0.0	0.0	0	0.0	0.0
08:14:29	485	0.0	0.0	0.0	0.0	910	0.0	0.0
08:14:49	600	0.0	0.0	0.0	0.0	860	0.0	0.0
08:15:09	513	0.0	0.0	0.0	0.0	640	0.0	0.0
08:15:29	32	0.0	0.0	0.0	0.0	690	0.0	0.0
08:15:30	Started PAD							
08:15:31	32	0.0	0.0	0.0	0.0	700	0.0	0.0
08:15:49	55	0.0	0.0	3.6	0.5	1461	3.6	0.0
08:16:09	201	0.0	0.0	26.2	2.5	11346	26.2	0.0
08:16:29	311	0.0	0.0	28.9	6.5	12376	28.9	0.0
08:16:49	430	0.0	0.0	31.2	10.9	13257	31.2	0.0
08:17:09	522	0.0	0.0	31.5	15.3	13397	31.5	0.0
08:17:29	595	0.0	0.0	31.7	19.8	13467	31.7	0.0
08:17:49	682	0.0	0.0	31.7	24.3	13467	31.7	0.0
08:18:02	Stage at Perfs: PAD							
08:18:02	728	0.0	0.0	31.7	27.2	13447	31.7	0.0
08:18:09	746	0.0	0.0	31.7	28.8	13467	31.7	0.0
08:18:29	815	0.0	0.0	31.9	33.3	13377	31.9	0.0
08:18:49	1025	0.0	0.0	54.0	39.5	23122	54.0	0.0
08:19:09	1259	0.0	0.0	55.9	47.3	23732	55.9	0.0
08:19:29	1469	0.0	0.0	61.5	55.8	26074	61.5	0.0
08:19:49	1607	0.0	0.0	64.1	64.6	27194	64.1	0.0
08:20:09	1666	0.0	0.0	64.1	73.7	27214	64.1	0.0
08:20:29	1666	15.9	2.8	64.2	82.7	27204	80.1	0.0
08:20:49	1630	16.1	8.2	64.2	91.8	27244	80.2	0.0
08:21:09	1616	16.1	13.5	64.3	100.9	27274	80.3	93.3
08:21:29	1616	16.1	18.9	64.4	110.0	27294	80.4	80.0
08:21:49	1616	16.0	24.2	64.2	119.1	27174	80.2	80.0
08:22:09	1611	16.1	29.6	64.1	128.2	27184	80.2	80.0
08:22:29	1602	16.1	34.9	64.1	137.2	27184	80.1	80.0
08:22:49	1598	16.1	40.3	64.1	146.3	27204	80.2	80.0
08:23:09	1593	16.1	45.6	64.2	155.4	27234	80.2	80.0
08:23:29	1588	16.1	51.0	64.3	164.4	27244	80.3	80.0
08:23:49	1588	16.1	56.3	64.3	173.5	27294	80.3	80.0
08:24:09	1579	16.1	61.6	64.4	182.6	27304	80.5	80.0
08:24:29	1575	16.1	67.0	64.2	191.7	27234	80.3	80.0
08:24:49	1570	16.1	72.3	64.2	200.8	27244	80.2	80.0
08:25:09	1566	16.1	77.7	64.4	209.9	27274	80.4	80.0
08:25:29	1566	16.1	83.0	64.2	219.0	27234	80.3	80.0
08:25:49	1556	16.1	88.4	64.3	228.0	27264	80.4	80.0
08:26:09	1556	16.1	93.7	64.3	237.1	27264	80.4	80.0
08:26:29	1556	16.1	99.1	64.3	246.2	27264	80.4	80.0
08:26:49	1552	16.0	104.4	64.3	255.3	27294	80.4	80.0
08:27:09	1552	16.0	109.8	64.4	264.4	27274	80.4	80.0
08:27:29	1552	16.1	115.1	64.4	273.5	27304	80.4	80.0
08:27:49	1552	16.1	120.5	64.4	282.6	27304	80.4	80.0
08:28:09	1552	16.1	125.8	64.4	291.7	27324	80.4	80.1
08:28:29	1552	16.1	131.2	64.4	300.8	27344	80.5	80.1
08:28:49	1552	16.0	136.5	64.4	309.9	27324	80.4	80.1
08:29:09	1547	16.1	141.9	64.1	319.0	27174	80.1	80.1
08:29:29	1547	16.1	147.2	64.1	328.1	27154	80.1	80.1
08:29:49	1547	16.1	152.6	64.1	337.1	27184	80.2	80.0
08:30:09	1547	16.0	157.9	64.2	346.2	27194	80.3	80.0
08:30:29	1547	16.1	163.2	64.1	355.2	27194	80.2	80.0
08:30:49	1547	16.0	168.6	64.2	364.3	27174	80.2	80.0
08:31:09	1543	16.1	173.9	64.1	373.4	27194	80.2	80.0
08:31:29	1547	16.0	179.3	64.2	382.4	27204	80.2	80.0
08:31:49	1543	16.1	184.6	64.2	391.5	27214	80.3	80.0
08:32:09	1543	16.1	190.0	64.3	400.6	27224	80.3	80.0
08:32:29	1543	16.1	195.3	64.2	409.7	27224	80.2	80.0

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MAY 09 2002

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Job Date: 07-31-2001

Well: Madden 2-4

AcqTime hh:mm:ss	TR PRESS psi	CFLD RATE bbl/min	TOT CFLD bbl	N2 PUMP RATE bbl/min	TOT N2 Mscf	N2 RATE scf/min	INJ RATE bbl/min	BH FOAM QUALITY %
08:33:29	1547	16.1	211.4	64.4	436.9	27234	80.4	80.0
08:33:49	1547	16.1	216.7	64.3	446.0	27264	80.4	80.0
08:34:09	1547	16.1	222.1	64.3	455.1	27274	80.4	80.0
08:34:29	1547	16.1	227.4	64.4	464.2	27274	80.4	80.0
08:34:49	1547	16.1	232.8	64.3	473.3	27284	80.4	80.0
08:35:09	1547	16.1	238.1	64.4	482.4	27264	80.4	80.0
08:35:29	1543	16.1	243.5	64.3	491.5	27254	80.3	80.0
08:35:49	1543	16.1	248.8	64.3	500.5	27284	80.4	80.0
08:36:09	1543	16.1	254.1	64.3	509.6	27294	80.4	80.0
08:36:29	1543	16.1	259.5	64.4	518.7	27294	80.4	80.0
08:36:49	1543	16.0	264.8	64.3	527.8	27284	80.4	80.0
08:37:09	1538	16.1	270.2	64.3	536.9	27294	80.4	80.0
08:37:29	1538	16.1	275.5	64.3	546.0	27294	80.4	80.0
08:37:49	1538	16.1	280.9	64.4	555.1	27284	80.5	80.0
08:38:09	1538	16.1	286.2	64.4	564.2	27314	80.5	80.1
08:38:29	1538	16.1	291.6	64.5	573.3	27324	80.5	80.1
08:38:49	1529	16.1	296.9	64.4	582.1	27314	80.5	80.1
08:39:09	1538	16.1	302.3	64.4	591.2	27314	80.5	80.1
08:39:29	1511	16.1	307.6	64.5	600.3	27334	80.5	80.0
08:39:49	1529	16.1	313.0	64.4	609.4	27334	80.5	80.0
08:40:09	1534	16.1	318.3	64.5	618.5	27334	80.5	80.1
08:40:29	1534	16.0	323.7	64.4	627.7	27314	80.4	80.1
08:40:49	1534	16.1	329.0	64.2	636.7	21221	80.2	80.1
08:41:09	1534	16.1	334.3	64.1	645.6	27184	80.2	80.1
08:41:29	1534	16.1	339.7	64.1	654.6	27174	80.1	80.0
08:41:49	1534	16.1	345.0	64.1	663.7	27194	80.2	80.0
08:42:09	1534	16.1	350.4	64.1	672.8	27174	80.1	80.0
08:42:29	1534	16.1	355.7	64.0	681.8	27154	80.1	80.0
08:42:49	1534	16.0	361.1	64.0	690.9	27144	80.1	80.0
08:43:09	1534	16.1	366.4	64.1	699.9	27164	80.1	80.0
08:43:29	1534	16.0	371.8	64.1	709.0	27174	80.1	80.0
08:43:49	1534	16.1	377.1	64.1	718.0	27184	80.2	80.0
08:44:09	1534	16.1	382.5	64.1	727.1	27154	80.1	80.0
08:44:29	1534	16.1	387.8	64.1	736.2	27194	80.1	80.0
08:44:49	1534	16.1	393.2	64.1	745.2	27184	80.2	80.0
08:45:09	1534	16.1	398.5	64.1	754.3	27184	80.1	80.0
08:45:29	1534	16.1	403.9	64.1	763.3	27204	80.1	80.0
08:45:49	1529	16.1	409.2	64.1	772.4	27194	80.1	80.0
08:46:09	1534	16.1	414.5	64.1	781.5	27214	80.2	80.0
08:46:29	1534	16.1	419.9	64.1	790.5	27194	80.2	80.0
08:46:49	1529	16.1	425.2	64.1	799.6	27194	80.1	80.0
08:47:09	1529	16.1	430.6	64.1	808.7	27184	80.1	80.0
08:47:29	1529	16.1	435.9	64.1	817.7	27204	80.2	80.0
08:47:49	1529	16.1	441.3	64.1	826.8	27174	80.1	80.0
08:48:09	1529	16.1	446.6	64.1	835.9	27194	80.2	80.0
08:48:29	1529	16.0	452.0	64.1	844.9	27174	80.2	80.0
08:48:49	1529	16.1	457.3	64.2	854.0	27194	80.2	80.0
08:49:09	1529	16.1	462.7	64.1	863.1	27184	80.2	80.0
08:49:29	1529	16.1	468.0	64.1	872.1	27194	80.1	80.0
08:49:49	1529	16.1	473.4	64.1	881.2	27184	80.1	80.0
08:50:09	1506	16.1	478.7	64.1	890.3	27194	80.1	80.0
08:50:29	1515	16.0	484.1	64.1	898.8	27184	80.2	80.0
08:50:49	1474	16.0	489.4	64.0	907.8	27144	80.1	80.0
08:51:09	1419	16.1	494.8	64.1	916.9	27144	80.1	80.0
08:51:29	1355	16.1	500.1	64.0	925.9	27164	80.1	80.0
08:51:43	Started Flush Automatically							
08:51:43	1282	5.8	503.7	64.1	932.3	27174	77.0	80.0
08:51:49	1227	0.0	503.8	64.1	935.0	27194	64.1	80.0
08:52:09	1176	0.0	503.8	64.2	944.1	27204	64.2	80.0
08:52:29	1199	0.0	503.8	64.2	953.1	27234	64.2	80.0
08:52:44	Stage at Perfo: Flush							
08:52:44	1204	0.0	503.8	64.2	960.0	27244	64.2	99.1
08:52:49	1117	0.0	503.8	28.3	961.5	7514	28.3	0.0
08:53:09	1126	0.0	503.8	0.1	961.6	0	0.1	0.0
08:53:29	1135	0.0	503.8	0.0	961.6	200	0.0	0.0

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MAY 09 2002

CONSERVATION DIVISION
WICHITA, KS