

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: MADDEN #1 UNIT, WELL #3  
 Original Comp. Date: 9-21-95 Original Total Depth: 2946'  
 \_\_\_\_\_ 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. \_\_\_\_\_  

4-1-00	8-25-95	4-8-00
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 189-21975-00-01  
 County: Stevens  
SW NE SE Sec. 27 Twp. 32 S. R. 37  East  West  
1425' FSL 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: MADDEN #1 UNIT Well #: 3  
 Field Name: Hugoton  
 Producing Formation: Chase  
 Elevation: Ground: 3138 Kelly Bushing: 3147  
 Total Depth: 2946 Plug Back Total Depth: 2915  
 Amount of Surface Pipe Set and Cemented at 679 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** *OWWO KGR 1/22/08*  
 (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: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

RECEIVED  
KANSAS CORPORATION COMMISSION

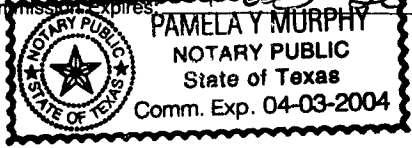
JUN 16 2003

CONSERVATION DIVISION  
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: 6/13/03  
 Subscribed and sworn to before me this 13th day of June  
 19 2003  
 Notary Public: Pamela Y. Murphy  
 Date Commission Expires: 04-03-2004



**KCC Office Use ONLY**

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

X

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: MADDEN #1 UNIT Well #: 3  
 Sec. 27 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>2610</td> <td>2620</td> </tr> <tr> <td>L. KRIDER</td> <td>2649</td> <td>2659</td> </tr> <tr> <td>WINFIELD</td> <td>2691</td> <td>2706</td> </tr> <tr> <td>TOWANDA</td> <td>2758</td> <td>2778</td> </tr> <tr> <td>U. FT. RILEY</td> <td>2802</td> <td>2812</td> </tr> </table>	Name	Top	Datum	U. KRIDER	2610	2620	L. KRIDER	2649	2659	WINFIELD	2691	2706	TOWANDA	2758	2778	U. FT. RILEY	2802	2812
Name	Top	Datum																	
U. KRIDER	2610	2620																	
L. KRIDER	2649	2659																	
WINFIELD	2691	2706																	
TOWANDA	2758	2778																	
U. FT. RILEY	2802	2812																	

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#	679	CLASS C	390	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2941	CLASS C	340, 150	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	2610' - 2812'	FRAC'D WELL WITH 949,771 scf OF 80Q N2 FOAM @ 80BPM	

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. 9-21-95	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 checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	Production Interval <input type="checkbox"/> Other (Specify) _____
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# Stimulation Service Report

# ORIGINAL

**Schlumberger**  
Dowell

Customer: MOBIL DRILLING V390500757A Job Number: 20151981

Well: Madden 1-3 Location (legal): Sec. 1-33S-37W Dowell Location: Ulysses, KS Job Start: 04/04/2000

Field: Hugoton Formation Name/Type: Chase Deviation: 0° Bit Size: 0 in Well MD: 0 ft Well TVD: 0 ft  
 County: Stevens State/Province: Kansas BHP: 0 psi BHST: 0 °F BHCT: 0 °F Pore Pres Gradient: 0 psi/ft

Rig Name: Key Energy Drilled For: Gas Service Via: Land  
 Depth, ft: 0 Size, in: 5.5 Weight, lb/ft: 14 Grade: Thread:  
 Offshore Zone: Well Class: Old Well Type: Workover  
 Depth, ft: 0 Size, in: 0 Weight, lb/ft: 0 Grade: Thread:

Primary Treating Fluid: 80Q Foam Polymer Loading: 30 lb/1000gal Fluid Density: lb/gal  
 Depth, ft: 0 Size, in: 0 Weight, lb/ft: 0 Grade: Thread:  
 Service Line: Fracturing Job Type: Frac, N2Foam/Energized  
 Depth, ft: 0 Size, in: 0 Weight, lb/ft: 0 Grade: Thread:

Max. Allowed Tubing Pressure: 2500 psi Max. Allowed Ann. Pressure: 0 psi Wellhead Connection: 5 1/2 X 4 Swage  
 Top, ft: 0 Bottom, ft: 0 spf: 0 No. of Shots: 0 Total Interval: 0 ft

Service Instructions: Safely deliver & perform Foam Frac with materials & equipment listed on the Service Receipt. Per clients instructions.  
 Treat Down: Casing Displacement: 0 bbl Packer Type: None Packer Depth: 0 ft  
 Tubing Vol.: 0 bbl Casing Vol.: 0 bbl Annular Vol.: 0 bbl Open Hole Vol.: 0 bbl

Job Scheduled For: Arrived on Location: 04/04/2000 11:30 Leave Location: 04/04/2000 16:00

Time	BH Foam Q	BH Inj Rate	Tot N2	Total Flowrate	Total N2 Rate	Total Volume	Treating Psi	Message
24 hr clock	%	bpm	ft3	bpm	ft3/min	bbbl	psi	
14:16	0	0	0	0	0	0	0	START ACQUISITION RECEIVED
14:16	0.	0.	0.	0.	0.	0.	-3736	KANSAS CORPORATION COMMISSION
14:16	0.	0.	0.	0.	0.	0.033	943.2	
14:17	0.	0.	0.	0.	0.	0.046	3100	JUN 16 2003
14:17	0.	0.	0.	0.	0.	0.046	3017	
14:18	0.	0.	0.	0.	0.	0.046	3008	CONSERVATION DIVISION WICHITA, KS
14:18	0.	0.	0.	0.	0.	0.046	3013	
14:19	0.	0.	0.	0.	0.	0.046	3022	Pressure Test Lines
14:19	0.	0.	0.	0.	0.	0.046	178.6	
14:20	0.	0.	0.	0.	0.	0.046	178.6	PAUSE ACQUISITION
14:27	0.	0.	0.	0.	0.	0.046	489.9	RESTART AFTER PAUSE
14:27	0.	0.	0.	0.	0.	0.046	489.9	
14:27	0.	0.	0.	0.	0.	0.483	13.74	Start Job
14:28	0.	2.21	0.	2.21	0.	4.1	96.15	
14:28	0.	8.21	0.	8.21	0.	4.1	96.15	[Total N2 Rate]=F[Total N2 Rate 2]
14:28	0.	8.21	0.	8.21	0.	4.1	96.15	Start N2 tach rates
14:28	0.	8.21	0.	8.21	0.	4.1	96.15	
14:29	79.06	39.2	3902	8.21	13140	8.01	338.8	
14:29	80.63	39.67	10735	7.69	13560	12.22	636.4	
14:30	80.29	39.66	18116	7.82	13500	16.81	847.1	
14:30	77.71	70.71	28109	15.76	23300	22.11	1026	
14:31	79.07	77.19	41470	16.15	25880	31.45	1438	
14:31	79.55	79.63	54793	16.28	26860	39.56	1722	
14:32	79.77	80.48	68359	16.28	27220	47.68	1868	
14:32	80.18	80.18	82014	15.89	27260	55.76	1850	
14:33	79.87	80.26	95669	16.15	27180	63.81	1804	
14:33	79.89	80.3	109307	16.15	27200	71.9	1731	
14:34	79.93	80.49	122953	16.15	27280	79.99	1694	

Well		Field				Service Date		Customer		Job Number	
Madden #1-3		Hugoton						AOBIL DRILLING V39050075		20151981	
Time	BH Foam Q	BH Inj Rate	Tot N2	Total Flowrate	Total N2 Rate	Total Volume	Treating Psi		Message		
24 hr clock	%	bpm	ft3	bpm	ft3/min	bbbl	psi		<b>ORIGINAL</b>		
14:34	79.91	80.4	136613	16.15	27240	88.06	1653	0	RECEIVED		
14:35	79.91	80.4	150270	16.15	27240	96.11	1658	0	KANSAS CORPORATION COMMISSION		
14:35	80.03	80.22	163921	16.02	27220	104.2	1607	0	JUN 16 2003		
14:36	80.03	80.22	177565	16.02	27220	112.2	1598	0	CONSERVATION DIVISION		
14:36	80.03	80.22	191211	16.02	27220	120.3	1625	0	WICHITA, KS		
14:37	80.05	80.31	204861	16.02	27260	128.3	1589	0			
14:37	80.03	80.22	218513	16.02	27220	136.4	1598	0			
14:38	80.04	80.27	232161	16.02	27240	144.4	1616	0			
14:38	79.91	80.4	245807	16.15	27240	152.5	1575	0			
14:39	80.06	80.36	259468	16.02	27280	160.5	1616	0			
14:39	80.05	80.31	273133	16.02	27260	168.6	1580	0			
14:40	80.04	80.27	286786	16.02	27240	176.6	1580	0			
14:40	80.05	80.31	300444	16.02	27260	184.7	1598	0			
14:41	80.07	80.41	314113	16.02	27300	192.7	1566	0			
14:41	80.07	80.41	327790	16.02	27300	200.8	1580	0			
14:42	80.05	80.31	341459	16.02	27260	208.8	1571	0			
14:42	80.05	80.31	355127	16.02	27260	216.8	1589	0			
14:43	80.04	80.27	368794	16.02	27240	224.9	1571	0			
14:43	79.93	80.49	382456	16.15	27280	232.9	1571	0			
14:44	80.	80.13	396098	16.02	27180	241.	1598	0			
14:44	79.98	80.03	409696	16.02	27140	249.	1548	0			
14:45	79.99	80.08	423291	16.02	27160	257.1	1598	0			
14:45	80.05	80.31	436919	16.02	27260	265.1	1543	0			
14:46	79.92	80.44	450586	16.15	27260	273.2	1584	0			
14:46	79.9	80.35	464236	16.15	27220	281.2	1548	0			
14:47	79.86	80.21	477858	16.15	27160	289.3	1548	0			
14:47	79.89	80.3	491482	16.15	27200	297.3	1580	0			
14:48	80.03	80.22	505115	16.02	27220	305.4	1548	0			
14:48	80.02	80.17	518746	16.02	27200	313.4	1589	0			
14:49	80.	80.13	532371	16.02	27180	321.5	1548	0			
14:49	79.99	80.08	545989	16.02	27160	329.5	1571	0			
14:50	79.97	79.98	559592	16.02	27120	337.5	1548	0			
14:50	80.	80.13	573203	16.02	27180	345.6	1561	0			
14:51	79.85	80.16	586807	16.15	27140	353.6	1534	0			
14:51	80.	80.13	600418	16.02	27180	361.7	1566	0			
14:52	79.91	80.4	614058	16.15	27240	369.7	1538	0			
14:52	79.9	80.35	627697	16.15	27220	377.8	1506	0			
14:53	80.02	80.17	641350	16.02	27200	385.9	1511	0			
14:53	80.02	80.17	655000	16.02	27200	393.9	1548	0			
14:54	79.86	80.21	668623	16.15	27160	402.	1543	0			
14:54	80.	80.13	682241	16.02	27180	410.	1506	0			
14:55	79.89	80.3	695870	16.15	27200	418.1	1548	0			
14:55	80.03	80.22	709505	16.02	27220	426.1	1529	0			
14:56	80.03	80.22	723150	16.02	27220	434.2	1520	0			
14:56	80.04	80.27	736798	16.02	27240	442.2	1552	0			
14:57	80.04	80.27	750457	16.02	27240	450.3	1516	0			
14:57	80.07	80.41	764124	16.02	27300	458.3	1543	0			
14:58	80.05	80.31	777793	16.02	27260	466.3	1534	0			
14:58	80.04	80.27	791447	16.02	27240	474.4	1516	0			
14:59	80.05	80.31	805102	16.02	27260	482.4	1552	0			
14:59	80.03	80.22	818749	16.02	27220	490.5	1516	0			
15:00	80.03	80.22	832401	16.02	27220	498.5	1552	0			
15:00	79.99	80.08	846044	16.02	27160	506.6	1520	0			
15:01	80.04	80.27	859687	16.02	27240	514.6	1511	0			

Well			Field			Service Date		Customer		Job Number		
Madden #1-3			Hugoton					MOBIL DRILLING V39050075		20151981		
Time	BH Foam Q	BHinj Rate	Tot N2	Total Flowrate	Total N2 Rate	Total Volume	Treating Psi	Message				
24 hr clock	%	bpm	ft3	bpm	ft3/min	bbbl	psi	<b>ORIGINAL</b>				
15:01	80.03	80.22	873334	16.02	27220	522.6	1561					0
15:02	80.04	80.27	886980	16.02	27240	530.7	1506					0
15:02	80.06	80.36	900648	16.02	27280	538.7	1538					0
15:03	80.06	80.36	914328	16.02	27280	546.8	1506					0
15:03	100.	64.39	928006	0.	27300	550.8	1397					0
15:04	100.	64.43	941711	0.	27320	550.8	1369					0
15:04	0.	0.	949771	0.	0.	550.8	1190					0
15:05	0.	0.	949771	0.	0.	550.8	1140					0
15:05	0.	0.	949771	0.	0.	550.8	1117					0
Post Job Summary												
Average Injection Rates, bpm						Volume of Fluid Injected, bbl						
Fluid	N2	CO2	Maximum Rate			Clean Fluid	Acid	Oil	CO2	N2 (scf)		
16	27300	0	16.3			550	0	0	0	949771		
Treating Pressure Summary, psi						Quantity of & placed, lb						
Breakdown	Maximum	Final	Average	ISIP	15 Min. ISIP	Total Injected	Total Ordered/Designed					
0	1913	1364	1575	1208	0	0	0					
N2 Percent		CO2 Percent		Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume		Percent Pad
80%		0%		100000 gal		64 bbl		550 bbl		0 gal		0 %
Customer or Authorized Representative				Dowell Supervisor		Number of Stages		Fracture Gradient		<input checked="" type="checkbox"/> Job Completed <input type="checkbox"/> Screen Out		
John Rice				Dave Brawley		1		0 psi/ft				

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KANSAS CORPORATION COMMISSION

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WICHITA, KS