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JUL 21 2003

KCC WICHITA

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: E. E. MANGELS #1 UNIT, WELL #2

Original Comp. Date: 10-17-97 Original Total Depth: 2893'

\_\_\_\_ 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. \_\_\_\_\_

6-23-00      9-22-97      6-29-00  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 129-21533-00-01  
County: Stevens Morton  
NW SE SE Sec. 20 Twp. 33 S. R. 39  East  West  
1250 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: E. E. MANGELS #1 UNIT Well #: 2

Field Name: Hugoton  
Producing Formation: Chase

Elevation: Ground: 3245 Kelly Bushing: 3254

Total Depth: 2893 Plug Back Total Depth: 2848

Amount of Surface Pipe Set and Cemented at 528 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 ODWVO HGR 1/31/08  
(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.

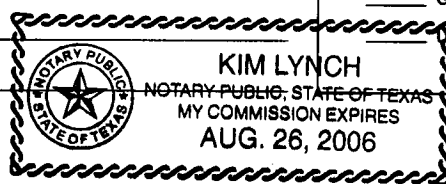
Signature: Beverly Roppolo  
Title: Contract Completions Admin Date: 7/16/03

Subscribed and sworn to before me this 16<sup>th</sup> day of July,  
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  
\_\_\_\_ Distribution



X

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: E. E. MANGELS #1 UNIT Well #: 2  
 Sec. 20 Twp. 33 S. R. 39  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:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;"><input type="checkbox"/> Log</td> <td style="width:30%;">Formation (Top), Depth and Datum</td> <td style="width:10%;"><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>L. KRIDER</td> <td>2496</td> <td>2506</td> </tr> <tr> <td>WINFIELD</td> <td>2554</td> <td>2564</td> </tr> <tr> <td>TOWANDA</td> <td>2610</td> <td>2620</td> </tr> <tr> <td>U. FT. RILEY</td> <td>2676</td> <td>2686</td> </tr> <tr> <td>L. FT. RILEY</td> <td>2719</td> <td>2725</td> </tr> </table>	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	L. KRIDER	2496	2506	WINFIELD	2554	2564	TOWANDA	2610	2620	U. FT. RILEY	2676	2686	L. FT. RILEY	2719	2725
<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																				
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L. FT. RILEY	2719	2725																				

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#	528	CLASS C	350	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2884	CLASS C	225,100	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
2 SPF	2496' - 2686'	FRAC'D WELL WITH 944,000 scf OF	
4 SPF	2719' - 2725'	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.		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) \_\_\_\_\_

Schlumberger  
Dowell

Job Date: 06-27-2000

Customer: Exxon Mobil  
District: ULYSSES  
Representative: John Rice  
DS Supervisor: Dave Brawley  
Well: Mangles 1-2

JUL 21 2003  
KCC WICHITA

Time hh:mm:ss	TR PRESS psi	TOT SLUR bbl	SLUR RATE bbl/min	BH INJ RATE bbl/min	TOT N2 Mscf
08:44:48	0	0.0	0.0	0.0	0.0
08:45:18	110	0.0	0.0	0.0	0.0
08:45:48	1099	0.0	0.0	0.0	0.0
08:46:18	3181	0.0	0.0	0.0	0.0
08:46:48	2916	0.0	0.0	0.0	0.0
08:47:18	2811	0.0	0.0	0.0	0.0
08:47:48	2769	0.0	0.0	0.0	0.0
08:48:18	2760	0.0	0.0	0.0	0.0
08:48:48	2756	0.0	0.0	0.0	0.0
08:49:18	2751	0.0	0.0	0.0	0.0
08:49:48	2742	0.0	0.0	0.0	0.0
08:50:07	Started PAD				
08:50:07	265	0.0	0.0	0.0	0.0
08:50:18	288	0.0	0.0	0.0	0.0
08:50:48	293	0.0	0.0	0.0	0.0
08:51:18	41	0.7	3.8	3.8	0.0
08:51:48	124	4.2	8.2	35.9	2.1
08:52:18	371	8.1	7.8	40.5	8.4
08:52:38	Stage at Perfs: PAD				
08:52:38	604	12.1	7.8	40.1	15.3
08:52:48	728	14.8	8.1	40.3	19.9
08:53:18	787	16.1	7.9	40.2	22.1
08:53:48	1099	22.8	15.5	79.4	33.9
08:54:18	1460	30.6	15.9	79.9	47.5
08:54:48	1602	38.5	15.8	79.8	61.1
08:55:18	1643	46.5	16.1	80.1	74.6
08:55:48	1630	54.6	16.2	80.4	88.2
08:56:18	1611	62.7	16.3	80.5	101.9
08:56:48	1543	70.9	16.4	80.6	115.4
08:57:18	1465	79.0	16.2	80.5	129.1
08:57:48	1433	87.1	16.1	80.4	142.7
08:58:18	1424	95.2	16.2	80.4	156.3
08:58:48	1414	103.3	16.1	80.3	169.9
08:59:18	1410	111.4	16.2	80.4	183.5
08:59:48	1405	119.5	16.2	80.4	197.1
09:00:18	1414	127.6	16.2	80.4	210.7
09:00:48	1414	135.8	16.2	80.3	224.3
09:01:18	1414	143.9	16.2	80.3	237.9
09:01:48	1419	152.0	16.2	80.4	251.5
09:02:18	1414	160.1	16.3	80.4	265.1
09:02:48	1405	168.2	16.2	80.4	278.7
09:03:18	1401	176.2	15.9	80.0	292.3
09:03:48	1410	184.2	16.0	80.1	305.9

Time hh:mm:ss	TR PRESS psi	TOT SLUR bbl	SLUR RATE bbl/min	BH INJ RATE bbl/min	TOT N2 Mscf
09:04:18	1414	192.2	16.1	80.2	319.5
09:04:48	1414	200.2	16.0	80.2	333.1
09:05:18	1410	208.2	16.0	80.3	346.7
09:05:48	1401	216.2	16.1	80.3	360.3
09:06:18	1401	224.3	16.1	80.3	373.9
09:06:48	1401	232.3	16.1	80.2	387.5
09:07:18	1401	240.3	16.1	80.3	401.1
09:07:48	1401	248.4	16.1	80.3	414.7
09:08:18	1401	256.4	16.1	80.2	428.3
09:08:48	1401	264.4	16.1	80.2	441.9
09:09:18	1401	272.5	16.1	80.3	455.6
09:09:48	1401	280.5	16.1	80.3	469.2
09:10:18	1401	288.6	16.0	80.2	482.8
09:10:48	1405	296.6	16.0	80.2	496.4
09:11:18	1405	304.6	16.0	80.2	510.0
09:11:48	1405	312.6	16.0	80.2	523.6
09:12:18	1405	320.6	16.0	80.2	537.2
09:12:48	1405	328.6	16.1	80.2	550.8
09:13:18	1405	336.6	16.1	80.2	564.4
09:13:48	1405	344.7	16.0	80.2	578.0
09:14:18	1405	352.7	16.1	80.3	591.6
09:14:48	1405	360.7	16.0	80.2	605.2
09:15:18	1405	368.7	16.0	80.2	618.8
09:15:48	1405	376.7	16.0	80.2	632.4
09:16:18	1405	384.8	16.1	80.3	646.0
09:16:48	1401	392.8	16.1	80.3	659.6
09:17:18	1401	400.8	16.1	80.2	673.2
09:17:48	1401	408.9	16.0	80.2	686.8
09:18:18	1401	416.9	16.0	80.2	700.4
09:18:48	1396	424.9	16.1	80.2	714.0
09:19:18	1396	433.0	16.1	80.2	727.6
09:19:48	1396	441.0	16.1	80.3	741.2
09:20:18	1396	449.1	16.1	80.2	754.8
09:20:48	1396	457.1	16.0	80.2	768.4
09:21:18	1396	465.1	16.0	80.2	782.0
09:21:48	1396	473.2	16.1	80.2	795.6
09:22:18	1392	481.2	16.1	80.2	809.2
09:22:48	1392	489.2	16.1	80.3	822.8
09:23:18	1392	497.3	16.1	80.2	836.5
09:23:48	1392	505.3	16.1	80.3	850.1
09:24:18	1392	513.4	16.1	80.3	863.7
09:24:48	1392	521.4	16.1	80.3	877.3
09:25:18	1392	529.5	16.1	80.3	890.9
09:25:48	1392	537.5	16.1	80.2	904.5
09:26:05	Started Flush Automatically				
09:26:05	1392	545.6	16.1	80.2	918.1
09:26:18	1396	550.1	16.1	80.3	925.8
09:26:40	Stage at Perfs: Flush				

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KCC WICHITA

ORIGINAL

Well: Mangles 1-2

Job Date: 06-27-2000

Time hh:mm:ss	TR PRESS psi	TOT SLUR bbl	SLUR RATE bbl/min	BH INJ RATE bbl/min	TOT N2 Mscf
09:26:40	1314	553.3	64.2	128.4	931.7
09:26:48	1273	576.8	64.3	986.5	941.7
09:27:18	1208	583.4	0.0	0.0	944.0
09:27:48	1035	583.4	0.0	0.0	944.0
09:28:18	1016	583.4	0.0	0.0	944.0

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