

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

OCT 23 2003

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE WICHITA, KS

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: M. MANGELS UNIT, WELL# 4
 Original Comp. Date: 1-12-96 Original Total Depth: 2943
 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. _____

6-13-03	12-14-95	6-20-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 129-21406-00-01
 County: MORTON
NW NE SE Sec. 6 Twp. 34 S. R. 39 East West
2500 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: M. MANGELS UNIT Well #: 4
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 3294 Kelly Bushing: 3303
 Total Depth: 2943 Plug Back Total Depth: 2909
 Amount of Surface Pipe Set and Cemented at 591 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 OWWD KGR 2-1-08
 (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.: _____

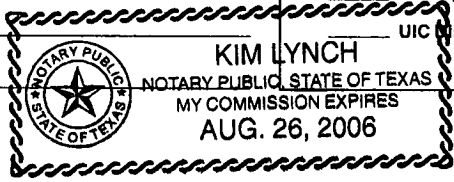
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: 10/17/03
 Subscribed and sworn to before me this 17 day of October,
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
 UIC Distribution



X

Operator Name: Exxon Mobil Oil Corporation * Lease Name: M. MANGELS UNIT Well #: 4
 Sec. 6 Twp. 34 S. R. 39 East West County: MORTON

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>GLORIETTA</td> <td>1307</td> <td>1470</td> </tr> <tr> <td>STONE CORRAL</td> <td>1763</td> <td>1778</td> </tr> <tr> <td>CHASE</td> <td>2542</td> <td>2880</td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2880</td> <td></td> </tr> </table>	Name	Top	Datum	GLORIETTA	1307	1470	STONE CORRAL	1763	1778	CHASE	2542	2880	COUNCIL GROVE	2880	
Name	Top	Datum														
GLORIETTA	1307	1470														
STONE CORRAL	1763	1778														
CHASE	2542	2880														
COUNCIL GROVE	2880															

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#	591	CLASS C	350	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2933	CLASS C	215	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
	2605' - 2615	FRAC'D WELL WITH	
	2638' - 2648'	80Q N2 FOAM @ 80BPM	
	2658' - 2668'		
	2716' - 2731'		
	2771' - 2786'		

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 Eñhr.		Producing Method			
1-11-96		<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 METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Sumit ACO-18.) Other (Specify) _____

ORIGINAL

Schlumberger	Customer: Exxon Mobil
	District: Peryton
Job Date: 06-17-2003	Representative:
	DS Supervisor: Randy Cothren
	Well: M Mangles 4

Time mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH PRESS psi	SLUR RATE bbl/min	CO2 RATE bbl/min	BH INJ RATE bbl/min	PROP CON PPA
06:17:2003:12:45:51	75	0	0.0	0.0	0.0	0.0
06:17:2003:12:46:11	232	0	0.0	0.0	0.0	0.0
06:17:2003:12:46:31	815	0	0.0	0.0	0.0	0.0
06:17:2003:12:46:51	187	0	0.0	0.0	0.0	0.0
06:17:2003:12:47:11	199	0	0.0	0.0	0.0	0.0
06:17:2003:12:47:31	203	0	0.0	0.0	0.0	0.0
06:17:2003:12:47:51	201	0	0.0	0.0	0.0	0.0
06:17:2003:12:47:52	Pressure Test Lines					
06:17:2003:12:47:52	203	0	0.0	0.0	0.0	0.0
06:17:2003:12:48:11	3430	0	0.0	0.0	0.0	0.0
06:17:2003:12:48:31	4473	0	0.0	0.0	0.0	0.0
06:17:2003:12:48:51	4443	0	0.0	0.0	0.0	0.0
06:17:2003:12:49:11	179	0	0.0	0.0	0.0	0.0
06:17:2003:12:49:31	202	0	0.0	0.0	0.0	0.0
06:17:2003:12:49:51	208	0	0.0	0.0	0.0	0.0
06:17:2003:12:50:11	209	0	0.0	0.0	0.0	0.0
06:17:2003:12:50:31	209	0	0.0	0.0	0.0	0.0
06:17:2003:12:50:51	210	0	0.0	0.0	0.0	0.0
06:17:2003:12:51:11	211	0	0.0	0.0	0.0	0.0
06:17:2003:12:51:31	207	0	0.0	0.0	0.0	0.0
06:17:2003:12:51:51	212	0	0.0	0.0	0.0	0.0
06:17:2003:12:52:11	208	0	0.0	0.0	0.0	0.0
06:17:2003:12:52:14	Started Pad					
06:17:2003:12:52:14	16	0	0.0	0.0	0.0	0.0
06:17:2003:12:52:31	3	1130	7.1	0.0	7.1	0.0
06:17:2003:12:52:51	80	1143	7.7	0.0	25.0	0.0
06:17:2003:12:53:11	226	1115	8.0	0.0	36.2	0.0
06:17:2003:12:53:31	352	1050	8.0	0.0	39.8	0.0
06:17:2003:12:53:51	450	959	8.0	0.0	40.0	0.0
06:17:2003:12:54:11	542	867	8.0	0.0	40.0	0.0
06:17:2003:12:54:24	Stage at Perfs: Pad					
06:17:2003:12:54:24	654	865	8.0	0.0	40.0	0.0
06:17:2003:12:54:31	701	872	8.0	0.0	38.6	0.0
06:17:2003:12:54:51	900	962	12.0	0.0	69.0	0.0
06:17:2003:12:55:11	1194	1235	15.9	0.0	79.7	0.0
06:17:2003:12:55:31	1409	1465	16.1	0.0	69.2	0.0
06:17:2003:12:55:51	1598	1676	16.1	0.0	80.0	0.0
06:17:2003:12:56:11	1683	1766	16.1	0.0	80.0	0.0
06:17:2003:12:56:31	1660	1742	16.2	0.0	80.0	0.0
06:17:2003:12:56:51	1556	1630	16.2	0.0	80.1	0.0
06:17:2003:12:57:11	1472	1541	16.1	0.0	80.1	0.0
06:17:2003:12:57:31	1449	1516	16.1	0.0	80.1	0.0
06:17:2003:12:57:51	1418	1483	16.1	0.0	80.1	0.0
06:17:2003:12:58:11	1418	1482	16.2	0.0	80.2	0.0
06:17:2003:12:58:31	1389	1453	16.1	0.0	79.9	0.0
06:17:2003:12:58:51	1399	1461	16.1	0.0	80.4	0.0
06:17:2003:12:59:11	1398	1460	16.1	0.0	80.4	0.0
06:17:2003:12:59:31	1397	1461	16.1	0.0	79.9	0.0
06:17:2003:12:59:51	1392	1455	16.2	0.0	80.0	0.0
06:17:2003:13:00:11	1383	1446	16.2	0.0	80.0	0.0
06:17:2003:13:00:31	1396	1460	16.1	0.0	79.9	0.0
06:17:2003:13:00:51	1393	1457	16.1	0.0	80.0	0.0
06:17:2003:13:01:11	1395	1459	16.1	0.0	79.9	0.0
06:17:2003:13:01:31	1387	1450	16.2	0.0	80.0	0.0
06:17:2003:13:01:51	1384	1448	16.1	0.0	80.0	0.0
06:17:2003:13:02:11	1395	1459	16.2	0.0	80.0	0.0
06:17:2003:13:02:31	1404	1469	16.2	0.0	80.0	0.0

ORIGINAL

Well: M Mangles 4

Job Date: 06-17-2003

Time mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH PRESS psi	SLUR RATE bbl/min	CO2 RATE bbl/min	BH INJ RATE bbl/min	PROP CON PPA
06:17:2003:13:03:11	1391	1455	16.1	0.0	79.9	0.0
06:17:2003:13:03:31	1388	1452	16.1	0.0	79.9	0.0
06:17:2003:13:03:51	1402	1467	16.2	0.0	79.9	0.0
06:17:2003:13:04:11	1390	1454	16.2	0.0	79.9	0.0
06:17:2003:13:04:31	1383	1448	16.1	0.0	79.8	0.0
06:17:2003:13:04:51	1388	1452	16.2	0.0	79.9	0.0
06:17:2003:13:05:11	1385	1449	16.2	0.0	79.8	0.0
06:17:2003:13:05:31	1390	1455	16.1	0.0	79.7	0.0
06:17:2003:13:05:51	1376	1439	16.2	0.0	79.9	0.0
06:17:2003:13:06:11	1380	1444	16.2	0.0	79.8	0.0
06:17:2003:13:06:31	1388	1452	16.2	0.0	79.8	0.0
06:17:2003:13:06:51	1385	1450	16.1	0.0	79.7	0.0
06:17:2003:13:07:11	1380	1444	16.1	0.0	79.8	0.0
06:17:2003:13:07:31	1372	1435	16.2	0.0	79.9	0.0
06:17:2003:13:07:51	1385	1450	16.2	0.0	79.8	0.0
06:17:2003:13:08:11	1386	1451	16.1	0.0	79.8	0.0
06:17:2003:13:08:31	1397	1462	16.1	0.0	79.8	0.0
06:17:2003:13:08:51	1382	1446	16.1	0.0	79.8	0.0
06:17:2003:13:09:11	1384	1448	16.1	0.0	79.8	0.0
06:17:2003:13:09:31	1381	1445	16.1	0.0	79.8	0.0
06:17:2003:13:09:51	1385	1450	16.1	0.0	79.7	0.0
06:17:2003:13:10:11	1368	1431	16.2	0.0	79.8	0.0
06:17:2003:13:10:31	1374	1437	16.2	0.0	79.8	0.0
06:17:2003:13:10:51	1371	1434	16.1	0.0	79.8	0.0
06:17:2003:13:11:11	1381	1445	16.1	0.0	79.8	0.0
06:17:2003:13:11:31	1367	1430	16.2	0.0	79.8	0.0
06:17:2003:13:11:51	1353	1415	16.1	0.0	79.8	0.0
06:17:2003:13:12:11	1367	1430	16.2	0.0	79.9	0.0
06:17:2003:13:12:31	1368	1432	16.1	0.0	79.7	0.0
06:17:2003:13:12:51	1375	1439	16.1	0.0	79.8	0.0
06:17:2003:13:13:11	1357	1419	16.2	0.0	79.8	0.0
06:17:2003:13:13:31	1360	1423	16.1	0.0	79.8	0.0
06:17:2003:13:13:51	1360	1422	16.1	0.0	79.8	0.0
06:17:2003:13:14:11	1366	1429	16.1	0.0	79.8	0.0
06:17:2003:13:14:31	1366	1428	16.1	0.0	79.8	0.0
06:17:2003:13:14:51	1362	1425	16.1	0.0	79.7	0.0
06:17:2003:13:15:11	1352	1414	16.1	0.0	79.7	0.0
06:17:2003:13:15:31	1351	1412	16.1	0.0	79.7	0.0
06:17:2003:13:15:51	1361	1423	16.1	0.0	79.7	0.0
06:17:2003:13:16:11	1364	1426	16.0	0.0	79.7	0.0
06:17:2003:13:16:31	1359	1421	16.1	0.0	79.7	0.0
06:17:2003:13:16:51	1356	1417	16.1	0.0	79.7	0.0
06:17:2003:13:17:11	1367	1429	16.1	0.0	79.7	0.0
06:17:2003:13:17:31	1348	1409	16.1	0.0	79.7	0.0
06:17:2003:13:17:51	1358	1419	16.1	0.0	79.7	0.0
06:17:2003:13:18:11	1356	1417	16.1	0.0	79.7	0.0
06:17:2003:13:18:31	1368	1430	16.1	0.0	79.7	0.0
06:17:2003:13:18:51	1359	1421	16.1	0.0	79.7	0.0
06:17:2003:13:19:11	1362	1424	16.1	0.0	79.7	0.0
06:17:2003:13:19:31	1369	1431	16.1	0.0	79.7	0.0
06:17:2003:13:19:51	1355	1417	16.0	0.0	79.6	0.0
06:17:2003:13:20:11	1358	1419	16.1	0.0	79.7	0.0
06:17:2003:13:20:31	1360	1422	16.0	0.0	79.7	0.0
06:17:2003:13:20:51	1370	1433	16.0	0.0	79.7	0.0
06:17:2003:13:21:11	1358	1419	16.1	0.0	79.7	0.0
06:17:2003:13:21:31	1357	1419	16.1	0.0	79.7	0.0
06:17:2003:13:21:51	1359	1420	16.1	0.0	79.7	0.0
06:17:2003:13:22:11	1361	1423	16.1	0.0	79.7	0.0
06:17:2003:13:22:31	1348	1409	16.1	0.0	79.7	0.0
06:17:2003:13:22:51	1357	1418	16.1	0.0	79.7	0.0
06:17:2003:13:23:11	Started Flush Automatically					
06:17:2003:13:23:11	1366	1428	16.1	0.0	79.7	0.0
06:17:2003:13:23:22	Activated Extend Stage					

ORIGINAL

Well: M Mangles 4

Job Date: 06-17-2003

Time mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH PRESS psi	SLUR RATE bbl/min	CO2 RATE bbl/min	BH INJ RATE bbl/min	PROP CON PPA
06:17:2003:13:23:22	1269	1372	0.0	0.0	63.7	0.0
06:17:2003:13:23:31	1254	1343	0.0	0.0	63.7	0.0
06:17:2003:13:23:51	1210	1317	0.0	0.0	46.6	0.0
06:17:2003:13:24:11	1159	1267	0.0	0.0	31.9	0.0
06:17:2003:13:24:26	Stage at Perfs: Flush					
06:17:2003:13:24:26	1151	1241	0.0	0.0	30.9	0.0
06:17:2003:13:24:31	1110	1204	0.0	0.0	20.2	0.0
06:17:2003:13:24:51	1050	1166	0.0	0.0	0.0	0.0