

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: MILES "A" UNIT, WELL #2  
 Original Comp. Date: 12-6-93 Original Total Depth: 2950'  
 \_\_\_\_\_ 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. \_\_\_\_\_

1-11-03	11-25-93	1-17-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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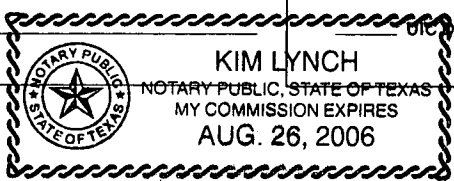
API No. 15 - 081-20819 -00-01  
 County: HASKELL  
NW SW SW Sec. 1 Twp. 28 S. R. 34  East  West  
1250 FSL feet from  N (circle one) Line of Section  
4040 FEL feet from  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE  NW SW  
 Lease Name: MILES "A" UNIT Well #: 2  
 Field Name: Hugoton  
 Producing Formation: Chase  
 Elevation: Ground: 3063.85 Kelly Bushing: 3074.85  
 Total Depth: 2950 Plug Back Total Depth: 2930  
 Amount of Surface Pipe Set and Cemented at 863 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 *DWVO 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: 8/4/03  
 Subscribed and sworn to before me this 4th day of August,  
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

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: MILES "A" UNIT Well #: 2  
 Sec. 1 Twp. 28 S. R. 34  East  West County: HASKELL

**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>2722</td> <td>2732</td> </tr> <tr> <td>L. KRIDER</td> <td>2742</td> <td>2762</td> </tr> <tr> <td>WINFIELD</td> <td>2793</td> <td>2813</td> </tr> </table>	Name	Top	Datum	U. KRIDER	2722	2732	L. KRIDER	2742	2762	WINFIELD	2793	2813
Name	Top	Datum											
U. KRIDER	2722	2732											
L. KRIDER	2742	2762											
WINFIELD	2793	2813											

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#	863	CLC Lt, CL C	250,200	3% CACL3
PRODUCTION	7.875	5.500	14#	2941	CLASS C	250, 150	3%ELt, 2%Ccaci

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
4 SPF	2722' - 2813'	FRAC'D WELL WITH 742,666 scf OF  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. 12-23-93		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  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

Customer <b>EXXON MOBIL CORPORATION</b>	Job Number <b>2205541242</b>
--	---------------------------------

Well <b>MILES A2</b>		Location (legal) <b>SEC. 1-28S-34W</b>		Schlumberger Location <b>Perryton, TX</b>		Job Start <b>2003-Jan-14</b>	
Field <b>HASKELL</b>		Formation Name/Type <b>Dirty-Sandstone</b>		Deviation <b>0</b>		Well MD <b>2,941 ft</b>	
County <b>HASKELL</b>		State/Province <b>KS</b>		BHP <b>psi</b>		Well TVD <b>2,941 ft</b>	
Well Waste <b>0630467466</b>		API / UW		BHST <b>110 °F</b>		BHCT <b>110 °F</b>	
Rig Name		Drilled For <b>Oil &amp; Gas</b>		Service Via <b>Land</b>		Casing/Liner	
Offshore Zone		Well Class <b>New</b>		Well Type <b>Exploration</b>		Depth, ft <b>2941</b>	
Primary Treating Fluid		Polymer Loading <b>lb/1000gal</b>		Fluid Density <b>lb/gal</b>		Size, in <b>5.5</b>	
Service Line <b>Fracturing</b>		Job Type <b>Frac,N2Foam/Energized</b>		Weight, lb/ft <b>14</b>		Grade <b>K55</b>	
Max. Allowed Tubing Pressure <b>3000 psi</b>		Max. Allowed Ann. Pressure <b>psi</b>		WellHead Connection		Thread <b>8RD</b>	
Service Instructions <b>Frac CHASE w/ 100,000 gals 80Q WF130 @ 80 bpm</b>		Perforations/Open Hole		Depth, ft		Grade <b>8RD</b>	
		Top, ft		Bottom, ft		spf	
		2722		2732		4	
		2742		2762		4	
		2793		2813		4	
		No. of Shots		Total Interval		Diameter	
		40		50 ft		in	
		80					
		80					
Job Scheduled For:		Arrived on Location: <b>2003-Jan-14 6:30</b>		Leave Location: <b>2003-Jan-14 11:00</b>		Tubing Vol. <b>bbl</b>	
						CasingVol. <b>bbl</b>	
						AnnularVol. <b>bbl</b>	
						OpenHoleVol. <b>bbl</b>	

Date	Time	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	Message
	24 hr clock	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	
2003-Jan-14	9:53	290	0.0	0	0.0	0.0	0	0	0	
2003-Jan-14	9:53									Started PAD
2003-Jan-14	9:53	291	0.0	0	0.0	0.0	0	0	0	
2003-Jan-14	9:53	290	0.0	0	0.0	0.0	0	0	0	
2003-Jan-14	9:54	285	0.0	0	0.0	0.0	0	0	0	
2003-Jan-14	9:54	286	0.0	0	0.0	0.1	0	0	0	
2003-Jan-14	9:54	47	0.4	0	0.0	0.1	0	0	0	
2003-Jan-14	9:55	203	8.5	9095	2.2	1.2	0	0	0	
2003-Jan-14	9:55	327	7.9	12086	4.9	4.8	0	0	0	
2003-Jan-14	9:55	416	7.9	13237	7.6	9.2	0	0	0	
2003-Jan-14	9:56	565	7.9	13297	10.2	13.6	0	0	0	
2003-Jan-14	9:56	788	7.9	13307	12.8	18.0	0	0	0	
2003-Jan-14	9:56	962	7.9	13277	15.3	22.3	0	0	0	
2003-Jan-14	9:56									Stage at Perfs: PAD
2003-Jan-14	9:56	972	8.0	13317	15.5	22.5	0	0	0	
2003-Jan-14	9:57	1152	7.9	13277	18.1	26.9	0	0	0	
2003-Jan-14	9:57	1313	7.9	13287	20.8	31.4	0	0	0	
2003-Jan-14	9:57	1492	11.9	9635	23.6	35.6	0	0	0	
2003-Jan-14	9:58	1786	15.7	25043	28.5	42.3	0	0	0	
2003-Jan-14	9:58	1936	16.0	26754	33.8	51.1	0	0	0	
2003-Jan-14	9:58	1895	16.0	27164	39.2	60.1	0	0	0	
2003-Jan-14	9:59	1831	16.1	27334	44.5	69.2	0	0	0	
2003-Jan-14	9:59	1744	16.1	27354	49.9	78.4	0	0	0	
2003-Jan-14	9:59	1744	16.1	27374	55.2	87.5	0	0	0	
2003-Jan-14	10:00	1746	16.1	27334	60.6	96.6	0	0	0	
2003-Jan-14	10:00	1747	16.0	27364	66.0	105.8	0	0	0	
2003-Jan-14	10:00	1735	16.1	27674	71.3	114.9	0	0	0	
2003-Jan-14	10:01	1750	16.1	27604	76.7	124.0	0	0	0	
2003-Jan-14	10:01	1755	16.1	27554	82.1	133.2	0	0	0	

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Well		Field					Service Date		Customer			Job Number
MILES #A2'							2003-Jan-14		EXXON MOBIL CORPORATION			2205541242
Date	Time	psi	bbf/min	scf/min	bbf	Mscf	0	0	0	Message		
	24 hr clock	psi	bbf/min	scf/min	bbf	Mscf	0	0	0			
2003-Jan-14	10:01	1748	16.1	27584	87.4	142.3	0	0	0			
2003-Jan-14	10:02	1743	16.1	27334	92.8	151.4	0	0	0			
2003-Jan-14	10:02	1752	16.0	27614	98.1	160.5	0	0	0			
2003-Jan-14	10:02	1750	16.1	27284	103.5	169.6	0	0	0			
2003-Jan-14	10:03	1725	16.0	27294	108.9	178.8	0	0	0			
2003-Jan-14	10:03	1737	16.1	27324	114.2	187.9	0	0	0			
2003-Jan-14	10:03	1723	16.1	27334	119.6	197.0	0	0	0			
2003-Jan-14	10:04	1722	16.1	27354	125.0	206.1	0	0	0			
2003-Jan-14	10:04	1730	16.1	27374	130.3	215.2	0	0	0			
2003-Jan-14	10:04	1717	16.1	27354	135.7	224.4	0	0	0			
2003-Jan-14	10:05	1730	16.1	27354	141.1	233.5	0	0	0			
2003-Jan-14	10:05	1715	16.1	27364	146.4	242.6	0	0	0			
2003-Jan-14	10:05	1729	16.1	27374	151.8	251.8	0	0	0			
2003-Jan-14	10:06	1716	16.1	27374	157.2	260.9	0	0	0			
2003-Jan-14	10:06	1723	16.1	27384	162.6	270.1	0	0	0			
2003-Jan-14	10:06	1715	16.1	27364	167.9	279.2	0	0	0			
2003-Jan-14	10:07	1711	16.1	27364	173.3	288.3	0	0	0			
2003-Jan-14	10:07	1711	16.1	27644	178.7	297.5	0	0	0			
2003-Jan-14	10:07	1708	16.1	27584	184.0	306.6	0	0	0			
2003-Jan-14	10:08	1716	16.1	27594	189.4	315.7	0	0	0			
2003-Jan-14	10:08	1710	16.1	27324	194.8	324.8	0	0	0			
2003-Jan-14	10:08	1696	16.1	27334	200.2	334.0	0	0	0			
2003-Jan-14	10:09	1714	16.1	27304	205.5	343.1	0	0	0			
2003-Jan-14	10:09	1707	16.1	27324	210.9	352.2	0	0	0			
2003-Jan-14	10:09	1693	16.1	27314	216.3	361.3	0	0	0			
2003-Jan-14	10:10	1709	16.1	27324	221.7	370.5	0	0	0			
2003-Jan-14	10:10	1702	16.1	27284	227.0	379.6	0	0	0			
2003-Jan-14	10:10	1711	16.1	27394	232.4	388.7	0	0	0			
2003-Jan-14	10:11	1707	16.1	27344	237.8	397.8	0	0	0			
2003-Jan-14	10:11	1693	16.1	27344	243.1	407.0	0	0	0			
2003-Jan-14	10:11	1705	16.1	27334	248.5	416.1	0	0	0			
2003-Jan-14	10:12	1694	16.1	27344	253.9	425.2	0	0	0			
2003-Jan-14	10:12	1709	16.2	27344	259.3	434.3	0	0	0			
2003-Jan-14	10:12	1705	16.1	27344	264.6	443.5	0	0	0			
2003-Jan-14	10:13	1691	16.1	27324	270.0	452.6	0	0	0			
2003-Jan-14	10:13	1710	16.1	27624	275.4	461.7	0	0	0			
2003-Jan-14	10:13	1704	16.1	27674	280.8	470.8	0	0	0			
2003-Jan-14	10:14	1687	16.1	27354	286.1	480.0	0	0	0			
2003-Jan-14	10:14	1706	16.1	27354	291.5	489.1	0	0	0			
2003-Jan-14	10:14	1702	16.1	27364	296.9	498.2	0	0	0			
2003-Jan-14	10:15	1683	16.2	27634	302.3	507.4	0	0	0			
2003-Jan-14	10:15	1699	16.1	27354	307.6	516.5	0	0	0			
2003-Jan-14	10:15	1702	16.2	27624	313.0	525.6	0	0	0			
2003-Jan-14	10:16	1693	16.1	27644	318.4	534.8	0	0	0			
2003-Jan-14	10:16	1691	16.2	27624	323.8	543.9	0	0	0			
2003-Jan-14	10:16	1711	16.2	27344	329.1	553.0	0	0	0			
2003-Jan-14	10:17	1705	16.1	27354	334.5	562.2	0	0	0			
2003-Jan-14	10:17	1690	16.1	27634	339.9	571.3	0	0	0			
2003-Jan-14	10:17	1703	16.1	27364	345.3	580.4	0	0	0			
2003-Jan-14	10:18	1715	16.2	27314	350.6	589.6	0	0	0			
2003-Jan-14	10:18	1710	16.1	27384	356.0	598.7	0	0	0			
2003-Jan-14	10:18	1706	16.1	27394	361.4	607.8	0	0	0			
2003-Jan-14	10:19	1695	16.2	27374	366.8	617.0	0	0	0			
2003-Jan-14	10:19	1711	16.1	27364	372.1	626.2	0	0	0			

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Well		Field					Service Date		Customer			Job Number
MILES #A2							2003-Jan-14		EXXON MOBIL CORPORATION			2205541242
Date	Time	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	Message		
	24-hr clock	psi	bbl/min	scf/min	bbl	Mscf	0	0	0			
2003-Jan-14	10:19	1709	16.1	27374	377.5	635.3	0	0	0			
2003-Jan-14	10:20	1707	16.1	27374	382.9	644.4	0	0	0			
2003-Jan-14	10:20	1707	16.1	27374	388.3	653.6	0	0	0			
2003-Jan-14	10:20	1693	16.1	27384	393.7	662.7	0	0	0			
2003-Jan-14	10:21	1695	16.1	27384	399.0	671.9	0	0	0			
2003-Jan-14	10:21	1712	16.1	27404	404.4	681.0	0	0	0			
2003-Jan-14	10:21	1713	16.2	27414	409.8	690.1	0	0	0			
2003-Jan-14	10:22	1709	16.1	27694	415.2	699.3	0	0	0			
2003-Jan-14	10:22	1710	16.1	27694	420.6	708.5	0	0	0			
2003-Jan-14	10:22	1708	16.1	27684	425.9	717.6	0	0	0			
2003-Jan-14	10:23	1707	16.1	27414	431.3	726.8	0	0	0			
2003-Jan-14	10:23	1698	16.1	27414	436.7	735.9	0	0	0			
2003-Jan-14	10:23	1695	16.1	27364	442.1	745.1	0	0	0			
2003-Jan-14	10:24	1697	16.2	27414	447.5	754.2	0	0	0			
2003-Jan-14	10:24	1701	16.1	27344	452.8	763.4	0	0	0			
2003-Jan-14	10:24	1706	16.2	27354	458.2	772.5	0	0	0			
2003-Jan-14	10:25	1709	16.2	27344	463.6	781.6	0	0	0			
2003-Jan-14	10:25	1707	16.2	27364	469.0	790.8	0	0	0			
2003-Jan-14	10:25	1704	16.1	27634	474.4	799.9	0	0	0			
2003-Jan-14	10:26	1696	16.1	27644	476.3	803.1	0	0	0			
2003-Jan-14	10:26									Started FLUSH Automatically		
2003-Jan-14	10:26	1590	0.0	27654	476.5	809.0	0	0	0			
2003-Jan-14	10:26	1587	0.0	27404	476.5	818.2	0	0	0			
2003-Jan-14	10:26	1604	0.0	27374	476.5	827.3	0	0	0			
2003-Jan-14	10:27									Stage at Perfs: FLUSH		
2003-Jan-14	10:27	1544	0.0	21491	476.5	832.3	0	0	0			
2003-Jan-14	10:27	1464	0.0	0	476.5	832.5	0	0	0			
2003-Jan-14	10:27	1439	0.0	0	476.5	832.5	0	0	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)		
80	27480		80			484				742666		
Treating Pressure Summary, psi						Quantity of & placed, lb						
Breakdown	Maximum	Final	Average	ISIP	15 Min. ISIP	Total Injected		Total Ordered/Designed				
1933	1933	1712	1712	1463								
N2 Percent	CO2 Percent	Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume		Percent Pad		
80 %	%	gal		64.7 bbl		bbl		gal		%		
Customer or Authorized Representative			Schlumberger Supervisor			Number of Stages		Fracture Gradient		<input checked="" type="checkbox"/> Job Completed <input type="checkbox"/> Screen Out		
Lewis, Richard			Torres, Octavio			2		psi/ft				

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