

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

**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  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: WING #1 UNIT, WELL #4  
 Original Comp. Date: 10-8-94 Original Total Depth: 2993  
XXX HYDRAULICALLY FRACTURED  
 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. \_\_\_\_\_  
 6-15-01 9-14-94 6-21-01  
~~Start~~ Date of START Date Reached TD Completion Date of  
 or workover WORKOVER

API No. 15 - 189-21786-00-02  
 County: Stevens  
NE-SW-SW Sec. 33 Twp. 32 S. R. 36  East  West  
1250 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: WING #1 UNIT Well #: 4  
 Field Name: Hugoton  
 Producing Formation: Chase  
 Elevation: Ground: 3053 Kelly Bushing: 3064  
 Total Depth: 2993 Plug Back Total Depth: 2937  
 Amount of Surface Pipe Set and Cemented at 484 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 REWORK JH 6/17/03  
 (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:  
RECEIVED  
 OPERATIONS CORPORATION COMMISSION 5-28-03  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
MAY 28 2003  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: CONSERVATION DIVISION Docket No.: \_\_\_\_\_  
WICHITA, KS

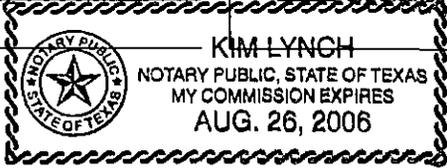
**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 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: 5/21/03  
 Subscribed and sworn to before me this 21 day of May,  
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



Operator Name: Exxon Mobil Oil Corporation \* Lease Name: WING #1 UNIT Well #: 4  
 Sec. 33 Twp. 32 S. R. 36  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><input type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>U. KRIDER</td> <td>2620'</td> <td>2640'</td> </tr> <tr> <td>L. KRIDER</td> <td>2650'</td> <td>2680'</td> </tr> <tr> <td>ODELL</td> <td>2688'</td> <td>2698'</td> </tr> <tr> <td>WINFIELD</td> <td>2702'</td> <td>2726'</td> </tr> <tr> <td>GAGE</td> <td>2736'</td> <td>2746'</td> </tr> </table>	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	U. KRIDER	2620'	2640'	L. KRIDER	2650'	2680'	ODELL	2688'	2698'	WINFIELD	2702'	2726'	GAGE	2736'	2746'
<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																				
Name	Top	Datum																				
U. KRIDER	2620'	2640'																				
L. KRIDER	2650'	2680'																				
ODELL	2688'	2698'																				
WINFIELD	2702'	2726'																				
GAGE	2736'	2746'																				

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#	484	CLASS C	325	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2983	CLASS C	317, 150	3%D79,2% Calc

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
	2620' - 2640'	FRAC'D WELL WITH	
	2650' - 2680'	80Q N2 FOAM @ 80BPM	
	2668' - 2780'		

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 <i>(Explain)</i>		
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, Submit ACO-18.)*  Other *(Specify)*

**Schlumberger**

Job Date: 06-19-2001

Customer: Exxon Mobil  
District: ULYSSES  
Representative: Russell Gray  
DS Supervisor: Jeff Dutton  
Well: Wing 1-4

MAY 28 2003

CONSERVATION DIVISION  
WICHITA, KS

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	INJ RATE bbl/min	TOT INJ bbl
06:19:2001:08:39:58	114	0.0	0.0	1361	0.0	0.0	0.0
06:19:2001:08:40:18	9	1.6	0.0	520	0.0	1.6	0.0
<b>06:19:2001:08:40:20</b>	<b>Started PAD</b>						
06:19:2001:08:40:20	37	1.6	0.0	120	0.0	1.6	0.0
06:19:2001:08:40:38	64	8.1	1.1	0	0.0	7.9	1.0
06:19:2001:08:40:58	146	8.3	3.9	11966	1.5	36.6	6.9
06:19:2001:08:41:18	261	8.1	6.6	13127	5.7	39.0	19.5
06:19:2001:08:41:38	398	8.1	9.3	13487	10.2	39.9	32.7
06:19:2001:08:41:58	563	8.1	12.1	13447	14.7	39.8	46.0
06:19:2001:08:42:18	664	8.1	14.7	13507	19.1	39.8	59.2
<b>06:19:2001:08:42:25</b>	<b>Stage at Perfs: PAD</b>						
06:19:2001:08:42:25	691	8.0	15.7	13487	20.7	39.9	63.9
06:19:2001:08:42:38	742	8.1	17.4	13527	23.6	39.9	72.6
06:19:2001:08:42:58	815	13.4	20.4	12106	27.4	17.7	84.5
06:19:2001:08:43:18	993	16.2	25.3	24753	33.0	74.4	102.0
06:19:2001:08:43:38	1241	16.1	30.7	26134	41.5	77.7	127.4
06:19:2001:08:43:58	1259	0.0	35.5	20	48.7	1.2	150.5
06:19:2001:08:45:10	975	9.7	37.4	23112	50.1	63.0	154.5
06:19:2001:08:45:30	1350	14.1	41.5	26154	58.4	75.7	178.1
06:19:2001:08:45:50	1579	16.4	46.8	26414	67.2	78.7	204.1
06:19:2001:08:46:10	1616	16.3	52.3	26374	76.0	78.5	230.3
06:19:2001:08:46:30	1524	16.3	57.7	13667	81.8	48.5	249.7
06:19:2001:08:47:08	1076	0.1	59.7	0	82.2	0.0	253.7
06:19:2001:08:47:28	1158	10.2	61.1	13707	83.2	42.3	256.7
06:19:2001:08:47:48	1245	14.2	65.3	13687	87.8	46.5	271.7
06:19:2001:08:48:08	1392	16.5	70.6	27094	94.8	80.4	293.0
06:19:2001:08:48:28	1433	16.2	76.0	27314	103.9	80.7	319.8
06:19:2001:08:48:48	1447	16.0	81.4	27334	113.0	80.5	346.7
06:19:2001:08:49:08	1479	16.3	86.8	27394	122.2	80.8	373.6
06:19:2001:08:49:28	1479	16.2	92.2	27194	131.3	80.7	400.5
06:19:2001:08:49:48	1469	16.2	97.6	27174	140.3	80.3	427.2
06:19:2001:08:50:08	1460	16.3	103.0	27314	149.4	80.5	454.0
06:19:2001:08:50:28	1447	16.3	108.4	27354	158.5	80.7	480.9
06:19:2001:08:50:48	1437	16.2	113.8	27394	167.6	80.9	507.8
06:19:2001:08:51:08	1428	16.2	119.2	27394	176.8	80.9	534.8
06:19:2001:08:51:28	1424	16.3	124.7	27434	185.9	81.0	561.8
06:19:2001:08:51:48	1414	16.3	130.1	27354	195.0	80.8	588.7
06:19:2001:08:52:08	1410	16.3	135.5	27354	204.1	80.9	615.6
06:19:2001:08:52:28	1405	16.3	140.9	27394	213.3	80.7	642.6
06:19:2001:08:52:48	1401	16.2	146.3	27354	222.4	80.7	669.5
06:19:2001:08:53:08	1401	16.2	151.7	27414	231.5	80.9	696.4
06:19:2001:08:53:28	1392	16.1	157.1	27414	240.7	80.9	723.4
06:19:2001:08:53:48	1387	16.2	162.5	27194	249.7	80.4	750.2
06:19:2001:08:54:08	1387	16.2	167.9	27234	258.8	80.4	777.0
06:19:2001:08:54:28	1382	16.2	173.3	27274	267.9	80.5	803.8
06:19:2001:08:54:48	1378	16.2	178.7	27314	277.0	80.6	830.7
06:19:2001:08:55:08	1483	16.2	184.1	27034	286.0	79.9	857.4
06:19:2001:08:55:28	1520	16.1	189.5	27294	295.1	80.5	884.1
06:19:2001:08:55:48	1547	16.1	194.9	27314	304.2	80.5	910.9
06:19:2001:08:56:08	1570	16.0	200.2	27234	313.3	80.4	937.7
06:19:2001:08:56:28	1570	16.1	205.6	27274	322.3	80.4	964.5
06:19:2001:08:56:48	1575	16.0	211.0	27254	331.4	80.4	991.3
06:19:2001:08:57:08	1575	16.1	216.3	27234	340.5	80.4	1018.1
06:19:2001:08:57:28	1579	16.1	221.7	27274	349.6	80.4	1044.9
06:19:2001:08:57:48	1579	16.1	227.1	27314	358.7	80.5	1071.7
06:19:2001:08:58:08	1570	14.8	232.3	27294	367.8	79.1	1098.4
06:19:2001:08:58:28	1570	15.0	237.2	27294	376.9	79.4	1124.8

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	INJ RATE bbl/min	TOT INJ -bbl
06:19:2001:08:59:08	1579	15.4	247.5	27314	395.1	79.8	1178.0
06:19:2001:08:59:28	1584	15.4	252.6	27294	404.2	79.9	1204.6
06:19:2001:08:59:48	1579	15.5	257.8	27314	413.3	79.9	1231.2
06:19:2001:09:00:08	1584	15.5	262.9	27334	422.4	79.9	1257.8
06:19:2001:09:00:28	1584	15.5	268.1	27394	431.5	80.1	1284.5
06:19:2001:09:00:48	1584	15.6	273.3	27414	440.6	80.1	1311.2
06:19:2001:09:01:08	1579	15.6	278.4	27434	449.8	80.1	1337.9
06:19:2001:09:01:28	1579	15.5	283.6	27394	458.9	80.1	1364.6
06:19:2001:09:01:48	1575	15.5	288.8	27374	468.0	80.1	1391.3
06:19:2001:09:02:08	1570	15.5	293.9	27314	477.2	80.0	1418.0
06:19:2001:09:02:28	1570	15.6	299.1	27294	486.3	79.9	1444.6
06:19:2001:09:02:48	1570	15.5	304.3	27314	495.4	80.0	1471.3
06:19:2001:09:03:08	1570	15.6	309.5	27294	504.5	79.9	1497.9
06:19:2001:09:03:28	1570	15.5	314.6	27274	513.6	79.9	1524.6
06:19:2001:09:03:48	1570	15.6	319.8	27274	522.7	79.9	1551.2
06:19:2001:09:04:08	1570	15.5	325.0	27294	531.8	79.9	1577.8
06:19:2001:09:04:28	1570	15.6	330.2	27294	540.8	79.9	1604.4
06:19:2001:09:04:48	1570	15.5	335.3	27274	549.9	79.9	1631.1
06:19:2001:09:05:08	1566	15.6	340.5	27334	559.1	79.9	1657.7
06:19:2001:09:05:28	1566	15.5	345.7	27354	568.2	80.1	1684.4
06:19:2001:09:05:48	1566	15.5	350.9	27314	577.3	80.0	1711.1
06:19:2001:09:06:08	1561	15.5	356.0	27334	586.4	80.0	1737.7
06:19:2001:09:06:28	1561	15.6	361.2	27334	595.5	80.0	1764.4
06:19:2001:09:06:48	1561	15.6	366.4	27334	604.6	79.9	1791.1
06:19:2001:09:07:08	1561	15.6	371.6	27314	613.7	79.9	1817.7
06:19:2001:09:07:28	1561	15.6	376.8	27314	622.8	80.0	1844.4
06:19:2001:09:07:48	1556	15.6	382.0	27374	631.9	80.2	1871.1
06:19:2001:09:08:08	1556	15.6	387.1	27374	641.1	80.0	1897.8
06:19:2001:09:08:28	1556	15.6	392.3	27294	650.2	79.9	1924.5
06:19:2001:09:08:48	1552	15.6	397.5	27274	659.3	79.9	1951.1
06:19:2001:09:09:08	1552	15.5	402.7	27294	668.4	79.9	1977.8
06:19:2001:09:09:28	1552	15.5	407.8	27294	677.5	79.9	2004.4
06:19:2001:09:09:48	1552	15.5	413.0	27354	686.6	80.0	2031.1
06:19:2001:09:10:08	1534	15.8	418.3	27374	695.7	80.3	2057.8
06:19:2001:09:10:28	1547	15.8	423.5	27354	704.8	80.3	2084.6
06:19:2001:09:10:48	1552	15.7	428.8	27314	714.0	80.2	2111.3
06:19:2001:09:11:08	1552	15.8	434.0	27334	723.1	80.2	2138.0
06:19:2001:09:11:28	1552	15.8	439.3	27374	732.2	80.2	2164.8
06:19:2001:09:11:48	1556	15.7	444.5	27434	741.3	80.6	2191.6
06:19:2001:09:12:08	1556	15.8	449.8	27474	750.5	80.5	2218.4
06:19:2001:09:12:28	1556	15.8	455.0	27474	759.6	80.5	2245.3
06:19:2001:09:12:48	1556	15.8	460.3	27474	768.8	80.5	2272.1
06:19:2001:09:13:08	1552	15.7	465.5	27454	777.9	80.6	2299.0
06:19:2001:09:13:28	1547	15.7	470.8	27374	787.1	80.4	2325.8
06:19:2001:09:13:48	1547	15.8	476.0	27374	796.2	80.2	2352.6
06:19:2001:09:14:08	1547	15.8	481.3	27394	805.3	80.2	2379.3
06:19:2001:09:14:28	1547	15.8	486.5	27354	814.5	80.2	2406.1
06:19:2001:09:14:48	1547	15.8	491.7	27334	823.6	80.2	2432.9
06:19:2001:09:15:08	1543	15.7	497.0	27314	832.7	80.2	2459.6
06:19:2001:09:15:28	1543	15.7	502.2	27274	841.8	80.2	2486.3
06:19:2001:09:15:48	1543	15.8	507.5	27294	850.9	80.1	2513.0
06:19:2001:09:16:08	1547	15.7	512.7	27294	860.0	80.2	2539.7
06:19:2001:09:16:28	1552	15.8	518.0	27274	869.1	80.1	2566.4
06:19:2001:09:16:48	1552	15.7	523.2	27314	878.2	80.2	2593.1
06:19:2001:09:17:08	1552	15.8	528.4	27294	887.3	80.0	2619.8
06:19:2001:09:17:28	1552	15.7	533.7	27314	896.4	80.2	2646.5
06:19:2001:09:17:48	1547	15.8	538.9	27314	905.5	80.1	2673.2
06:19:2001:09:18:08	1488	15.9	544.2	27334	914.6	80.2	2699.9
06:19:2001:09:18:28	1433	15.9	549.5	27314	923.7	80.3	2726.6
06:19:2001:09:18:31	<b>Started Flush Automatically</b>						
06:19:2001:09:18:31	1410	15.7	550.2	27314	925.0	80.3	2730.6
06:19:2001:09:18:48	1314	0.0	550.5	27354	932.8	64.5	2749.4
06:19:2001:09:19:08	1323	0.0	550.5	27374	941.9	64.6	2771.0

RECEIVED  
 KANSAS CORPORATION COMMISSION

MAY 26 2003

OBSERVATION DIVISION  
 WICHITA, KS

# ORIGINAL

Well: Wing 1-4

Job Date: 06-19-2001

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	INJ RATE bbl/min	TOT INJ bbl
06:19:2001:09:19:28	1355	0.0	550.5	27354	951.0	64.6	2792.5
06:19:2001:09:19:32	Stage at Perfs: Flush						
06:19:2001:09:19:32	1341	0.0	550.5	27314	952.9	64.6	2796.8
06:19:2001:09:19:48	1181	0.0	550.5	20	953.3	0.0	2798.8
06:19:2001:09:20:08	1163	0.0	550.5	0	953.3	0.0	2798.8
06:19:2001:09:20:28	1149	0.0	550.5	0	953.3	0.0	2798.8
06:19:2001:09:20:48	1140	0.0	550.5	0	953.3	0.0	2798.9

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 28 2003

CONSERVATION DIVISION  
WICHITA, KS

**Schlumberger**

Customer: Exxon Mobil  
District: ULYSSES  
Representative: Russell Gray  
DS Supervisor: Jeff Dutton  
Well: Wing 1-4

MAY 28 2003

CONSERVATION DIVISION  
WICHITA, KS

Job Date: 06-19-2001

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	INJ RATE bbl/min	TOT INJ bbl
06:19:2001:08:39:58	114	0.0	0.0	1361	0.0	0.0	0.0
06:19:2001:08:40:18	9	1.6	0.0	520	0.0	1.6	0.0
<b>06:19:2001:08:40:20</b>	<b>Started PAD</b>						
06:19:2001:08:40:20	37	1.6	0.0	120	0.0	1.6	0.0
06:19:2001:08:40:38	64	8.1	1.1	0	0.0	7.9	1.0
06:19:2001:08:40:58	146	8.3	3.9	11966	1.5	36.6	6.9
06:19:2001:08:41:18	261	8.1	6.6	13127	5.7	39.0	19.5
06:19:2001:08:41:38	398	8.1	9.3	13487	10.2	39.9	32.7
06:19:2001:08:41:58	563	8.1	12.1	13447	14.7	39.8	46.0
06:19:2001:08:42:18	664	8.1	14.7	13507	19.1	39.8	59.2
<b>06:19:2001:08:42:25</b>	<b>Stage at Perfs: PAD</b>						
06:19:2001:08:42:25	691	8.0	15.7	13487	20.7	39.9	63.9
06:19:2001:08:42:38	742	8.1	17.4	13527	23.6	39.9	72.6
06:19:2001:08:42:58	815	13.4	20.4	12106	27.4	17.7	84.5
06:19:2001:08:43:18	993	16.2	25.3	24753	33.0	74.4	102.0
06:19:2001:08:43:38	1241	16.1	30.7	26134	41.5	77.7	127.4
06:19:2001:08:43:58	1259	0.0	35.5	20	48.7	1.2	150.5
06:19:2001:08:45:10	975	9.7	37.4	23112	50.1	63.0	154.5
06:19:2001:08:45:30	1350	14.1	41.5	26154	58.4	75.7	178.1
06:19:2001:08:45:50	1579	16.4	46.8	26414	67.2	78.7	204.1
06:19:2001:08:46:10	1616	16.3	52.3	26374	76.0	78.5	230.3
06:19:2001:08:46:30	1524	16.3	57.7	13667	81.8	48.5	249.7
06:19:2001:08:47:08	1076	0.1	59.7	0	82.2	0.0	253.7
06:19:2001:08:47:28	1158	10.2	61.1	13707	83.2	42.3	256.7
06:19:2001:08:47:48	1245	14.2	65.3	13687	87.8	46.5	271.7
06:19:2001:08:48:08	1392	16.5	70.6	27094	94.8	80.4	293.0
06:19:2001:08:48:28	1433	16.2	76.0	27314	103.9	80.7	319.8
06:19:2001:08:48:48	1447	16.0	81.4	27334	113.0	80.5	346.7
06:19:2001:08:49:08	1479	16.3	86.8	27394	122.2	80.8	373.6
06:19:2001:08:49:28	1479	16.2	92.2	27194	131.3	80.7	400.5
06:19:2001:08:49:48	1469	16.2	97.6	27174	140.3	80.3	427.2
06:19:2001:08:50:08	1460	16.3	103.0	27314	149.4	80.5	454.0
06:19:2001:08:50:28	1447	16.3	108.4	27354	158.5	80.7	480.9
06:19:2001:08:50:48	1437	16.2	113.8	27394	167.6	80.9	507.8
06:19:2001:08:51:08	1428	16.2	119.2	27394	176.8	80.9	534.8
06:19:2001:08:51:28	1424	16.3	124.7	27434	185.9	81.0	561.8
06:19:2001:08:51:48	1414	16.3	130.1	27354	195.0	80.8	588.7
06:19:2001:08:52:08	1410	16.3	135.5	27354	204.1	80.9	615.6
06:19:2001:08:52:28	1405	16.3	140.9	27394	213.3	80.7	642.6
06:19:2001:08:52:48	1401	16.2	146.3	27354	222.4	80.7	669.5
06:19:2001:08:53:08	1401	16.2	151.7	27414	231.5	80.9	696.4
06:19:2001:08:53:28	1392	16.1	157.1	27414	240.7	80.9	723.4
06:19:2001:08:53:48	1387	16.2	162.5	27194	249.7	80.4	750.2
06:19:2001:08:54:08	1387	16.2	167.9	27234	258.8	80.4	777.0
06:19:2001:08:54:28	1382	16.2	173.3	27274	267.9	80.5	803.8
06:19:2001:08:54:48	1378	16.2	178.7	27314	277.0	80.6	830.7
06:19:2001:08:55:08	1483	16.2	184.1	27034	286.0	79.9	857.4
06:19:2001:08:55:28	1520	16.1	189.5	27294	295.1	80.5	884.1
06:19:2001:08:55:48	1547	16.1	194.9	27314	304.2	80.5	910.9
06:19:2001:08:56:08	1570	16.0	200.2	27234	313.3	80.4	937.7
06:19:2001:08:56:28	1570	16.1	205.6	27274	322.3	80.4	964.5
06:19:2001:08:56:48	1575	16.0	211.0	27254	331.4	80.4	991.3
06:19:2001:08:57:08	1575	16.1	216.3	27234	340.5	80.4	1018.1
06:19:2001:08:57:28	1579	16.1	221.7	27274	349.6	80.4	1044.9
06:19:2001:08:57:48	1579	16.1	227.1	27314	358.7	80.5	1071.7
06:19:2001:08:58:08	1570	14.8	232.3	27294	367.8	79.1	1098.4
06:19:2001:08:58:28	1570	15.0	237.2	27294	376.9	79.4	1124.8

**COPY**

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	INJ RATE bbl/min	TOT INJ bbl	
06:19:2001:08:59:08	1579	15.4	247.5	27314	395.1	79.8	1178.0	
06:19:2001:08:59:28	1584	15.4	252.6	27294	404.2	79.9	1204.6	
06:19:2001:08:59:48	1579	15.5	257.8	27314	413.3	79.9	1231.2	
06:19:2001:09:00:08	1584	15.5	262.9	27334	422.4	79.9	1257.8	
06:19:2001:09:00:28	1584	15.5	268.1	27394	431.5	80.1	1284.5	
06:19:2001:09:00:48	1584	15.6	273.3	27414	440.6	80.1	1311.2	
06:19:2001:09:01:08	1579	15.6	278.4	27434	449.8	80.1	1337.9	
06:19:2001:09:01:28	1579	15.5	283.6	27394	458.9	80.1	1364.6	
06:19:2001:09:01:48	1575	15.5	288.8	27374	468.0	80.1	1391.3	
06:19:2001:09:02:08	1570	15.5	293.9	27314	477.2	80.0	1418.0	
06:19:2001:09:02:28	1570	15.6	299.1	27294	486.3	79.9	1444.6	
06:19:2001:09:02:48	1570	15.5	304.3	27314	495.4	80.0	1471.3	
06:19:2001:09:03:08	1570	15.6	309.5	27294	504.5	79.9	1497.9	
06:19:2001:09:03:28	1570	15.5	314.6	27274	513.6	79.9	1524.6	
06:19:2001:09:03:48	1570	15.6	319.8	27274	522.7	79.9	1551.2	
06:19:2001:09:04:08	1570	15.5	325.0	27294	531.8	79.9	1577.8	
06:19:2001:09:04:28	1570	15.6	330.2	27294	540.8	79.9	1604.4	
06:19:2001:09:04:48	1570	15.5	335.3	27274	549.9	79.9	1631.1	
06:19:2001:09:05:08	1566	15.6	340.5	27334	559.1	79.9	1657.7	
06:19:2001:09:05:28	1566	15.5	345.7	27354	568.2	80.1	1684.4	
06:19:2001:09:05:48	1566	15.5	350.9	27314	577.3	80.0	1711.1	
06:19:2001:09:06:08	1561	15.5	356.0	27334	586.4	80.0	1737.7	
06:19:2001:09:06:28	1561	15.6	361.2	27334	595.5	80.0	1764.4	
06:19:2001:09:06:48	1561	15.6	366.4	27334	604.6	79.9	1791.1	
06:19:2001:09:07:08	1561	15.6	371.6	27314	613.7	79.9	1817.7	
06:19:2001:09:07:28	1561	15.6	376.8	27314	622.8	80.0	1844.4	
06:19:2001:09:07:48	1556	15.6	382.0	27374	631.9	80.2	1871.1	
06:19:2001:09:08:08	1556	15.6	387.1	27374	641.1	80.0	1897.8	
06:19:2001:09:08:28	1556	15.6	392.3	27294	650.2	79.9	1924.5	
06:19:2001:09:08:48	1552	15.6	397.5	27274	659.3	79.9	1951.1	
06:19:2001:09:09:08	1552	15.5	402.7	27294	668.4	79.9	1977.8	
06:19:2001:09:09:28	1552	15.5	407.8	27294	677.5	79.9	2004.4	
06:19:2001:09:09:48	1552	15.5	413.0	27354	686.6	80.0	2031.1	
06:19:2001:09:10:08	1534	15.8	418.3	27374	695.7	80.3	2057.8	
06:19:2001:09:10:28	1547	15.8	423.5	27354	704.8	80.3	2084.6	
06:19:2001:09:10:48	1552	15.7	428.8	27314	714.0	80.2	2111.3	
06:19:2001:09:11:08	1552	15.8	434.0	27334	723.1	80.2	2138.0	
06:19:2001:09:11:28	1552	15.8	439.3	27374	732.2	80.2	2164.8	
06:19:2001:09:11:48	1556	15.7	444.5	27434	741.3	80.6	2191.6	
06:19:2001:09:12:08	1556	15.8	449.8	27474	750.5	80.5	2218.4	
06:19:2001:09:12:28	1556	15.8	455.0	27474	759.6	80.5	2245.3	
06:19:2001:09:12:48	1556	15.8	460.3	27474	768.8	80.5	2272.1	
06:19:2001:09:13:08	1552	15.7	465.5	27454	777.9	80.6	2299.0	
06:19:2001:09:13:28	1547	15.7	470.8	27374	787.1	80.4	2325.8	
06:19:2001:09:13:48	1547	15.8	476.0	27374	796.2	80.2	2352.6	
06:19:2001:09:14:08	1547	15.8	481.3	27394	805.3	80.2	2379.3	
06:19:2001:09:14:28	1547	15.8	486.5	27354	814.5	80.2	2406.1	
06:19:2001:09:14:48	1547	15.8	491.7	27334	823.6	80.2	2432.9	
06:19:2001:09:15:08	1543	15.7	497.0	27314	832.7	80.2	2459.6	
06:19:2001:09:15:28	1543	15.7	502.2	27274	841.8	80.2	2486.3	
06:19:2001:09:15:48	1543	15.8	507.5	27294	850.9	80.1	2513.0	
06:19:2001:09:16:08	1547	15.7	512.7	27294	860.0	80.2	2539.7	
06:19:2001:09:16:28	1552	15.8	518.0	27274	869.1	80.1	2566.4	
06:19:2001:09:16:48	1552	15.7	523.2	27314	878.2	80.2	2593.1	
06:19:2001:09:17:08	1552	15.8	528.4	27294	887.3	80.0	2619.8	
06:19:2001:09:17:28	1552	15.7	533.7	27314	896.4	80.2	2646.5	
06:19:2001:09:17:48	1547	15.8	538.9	27314	905.5	80.1	2673.2	
06:19:2001:09:18:08	1488	15.9	544.2	27334	914.6	80.2	2699.9	
06:19:2001:09:18:28	1433	15.9	549.5	27314	923.7	80.3	2726.6	
06:19:2001:09:18:31	<b>Started Flush Automatically</b>							
06:19:2001:09:18:31	1410	15.7	550.2	27314	925.0	80.3	2730.6	
06:19:2001:09:18:48	1314	0.0	550.5	27354	932.8	64.5	2749.4	
06:19:2001:09:19:08	1323	0.0	550.5	27374	941.9	64.6	2771.0	

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Job Date: 06-19-2001

Well: Wing 1-4

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	INJ RATE bbl/min	TOT INJ bbl
06:19:2001:09:19:28	1355	0.0	550.5	27354	951.0	64.6	2792.5
06:19:2001:09:19:32	Stage at Perfs: Flush						
06:19:2001:09:19:32	1341	0.0	550.5	27314	952.9	64.6	2796.8
06:19:2001:09:19:48	1181	0.0	550.5	20	953.3	0.0	2798.8
06:19:2001:09:20:08	1163	0.0	550.5	0	953.3	0.0	2798.8
06:19:2001:09:20:28	1149	0.0	550.5	0	953.3	0.0	2798.8
06:19:2001:09:20:48	1140	0.0	550.5	0	953.3	0.0	2798.9

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