

**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: Duke Energy Trading & Marketing  
Operator Contact Person: Kitty Birt  
Phone: (713) 431-1898  
Contractor: Name: DOWELL  
License: N. A.

Wellsite Geologist: N. A.  
Designate Type of Completion:  
 New Well  Re-Entry  Workover (refrac)  
 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: Toole Unit #1, Well #3

Original Comp. Date: 05/31/1995 Original Total Depth: 2950  
~~XXX FRACTURE TREATED~~  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back 2896 Plug Back Total Depth  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

03/08/2002 04/26/1995 03/15/2001  
Spud Date of START Date Reached TD Completion Date of  
OF WORKOVER WORKOVER

API No. 15 - 189-21913-0001  
County: Stevens  
SE-SE, SWNW Sec. 13 Twp. 33 S. R. 37  East  West  
2400 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: Toole #1 Unit Well #: 3  
Field Name: Hugoton

Producing Formation: Chases  
Elevation: Ground: 3072 Kelly Bushing: 3082  
Total Depth: 2950 Plug Back Total Depth: 2896  
Amount of Surface Pipe Set and Cemented at 682 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.

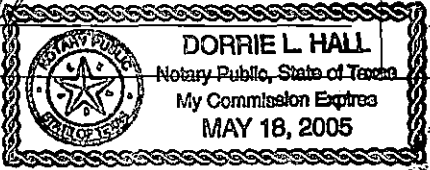
Drilling Fluid Management Plan REWORK JK 6/05/02  
(Data must be collected from the Reserve Pit)  
Chloride content N. A. ppm Fluid volume N. A. bbls  
Dewatering method used \_\_\_\_\_

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: Kitty Birt  
Title: Completions Admin. Date: April 30 2002  
Subscribed and sworn to before me this 30th day of April  
19 2002.  
Notary Public: Dorrie L. Hall  
Date Commission Expires: 5/18/02



**KCC Office Use ONLY**

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

KCC

X

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: Toole #1 Unit Well #: 3  
 Sec. 13 Twp. 33 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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)  
 List All E. Logs Run:

<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Glorietta	1202	1380
Stone Corral	1679	1739
Chase	2578	2915
Council Grove	2915	-

CASING RECORD <input 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 Casing	12.250	8.625	24	682	Class C	375	50:50 c/poz
Production Casing	7.875	5.500	14	2941	Class C	270	3% D79
					Class C	150	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
1.3 SPF	2578-2588, 2644-2664, 2697-2707, 2747-2757	Frac w/ 80Q N2 foam @ plus/minus 80 BPM	
	2765-2775, 2803-2813		

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. (See G-2)		Producing Method <input type="checkbox"/> Flowing <input checked="" 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: 2578  
2813

ORIGINAL

15-189-21913-0001

<b>Schlumberger</b>	Customer: Exxon Mobil
	District: Ulysses
	Representative: John Rice
	DS Supervisor: Dave Brawley
	Well: Toole 1-3
Job Date: 03-12-2002	

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH FOAM QUALITY %	INJ RATE bbl/min	N2 RATE scf/min	SLUR RATE bbl/min	TOT INJ bbl	TOT N2 Mecf	TOT SLUR bbl
03:12:2002:08:16:21	2948	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:16:31	2939	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:16:41	2934	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:16:51	2925	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:17:01	2921	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:17:11	2916	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:17:21	2911	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:17:31	2907	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:17:41	2902	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:17:51	2902	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:18:01	2898	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:18:11	2893	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:18:21	2888	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:18:31	2888	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:18:41	2884	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:18:51	2884	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:19:01	2879	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:19:11	2884	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:19:21	2884	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:19:31	2884	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:19:41	2879	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:19:51	2884	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:20:01	2879	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:20:11	2875	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:20:21	2875	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:20:31	2856	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:20:41	2856	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:20:51	2852	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:21:01	2856	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:21:11	2852	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:21:21	2843	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:21:31	1318	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:21:41	211	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:21:51	243	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:22:01	252	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:22:11	252	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:22:21	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:22:31	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:22:41	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:22:51	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:23:01	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:23:11	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:23:21	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:23:31	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:23:41	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:23:51	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:24:01	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:24:11	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:24:21	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:24:31	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:24:41	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:24:51	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:25:01	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:25:11	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:25:21	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:25:31	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:25:41	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:25:51	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:26:01	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:26:11	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:26:21	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:26:31	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:26:41	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:26:51	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:27:01	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:27:11	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:27:21	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:27:31	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:27:41	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:27:51	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:28:01	256	0.0	0.0	0	0.0	0.0	0.0	0.0

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 09 2002

CONSERVATION DIVISION  
WICHITA, KS

Well: Toole 1-3

Job Date: 03-12-2002

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH FOAM QUALITY %	INJ RATE bbl/min	N2 RATE scf/min	SLUR RATE bbl/min	TOT INJ bbl	TOT N2 Mscf	TOT SLUR bbl
03:12:2002:08:28:31	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:28:41	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:28:51	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:29:01	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:29:11	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:29:21	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:29:31	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:29:41	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:29:51	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:30:01	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:30:11	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:30:21	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:30:31	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:30:41	261	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:30:51	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:31:01	256	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:31:11	27	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:31:21	23	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:31:31	32	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:31:34	Started Pad							
03:12:2002:08:31:34	23	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:31:41	23	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:31:51	27	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:32:01	37	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:32:11	37	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:32:21	41	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:32:31	101	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:32:41	165	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:32:51	211	0.0	0.0	0	0.0	0.0	0.0	0.0
03:12:2002:08:33:01	252	0.0	0.4	0	0.4	0.0	0.0	0.0
03:12:2002:08:33:11	316	0.0	5.0	0	5.5	0.3	0.0	0.3
03:12:2002:08:33:21	348	0.0	6.7	0	6.6	1.3	0.0	1.4
03:12:2002:08:33:31	385	0.0	7.9	0	8.0	2.5	0.0	2.6
03:12:2002:08:33:41	430	0.0	7.9	0	7.9	3.8	0.0	3.9
03:12:2002:08:33:51	453	0.0	8.0	0	7.9	5.1	0.0	5.3
03:12:2002:08:34:01	476	0.0	7.9	13307	8.0	6.5	1.7	6.6
03:12:2002:08:34:11	490	0.0	8.0	14037	8.0	7.8	3.9	7.9
03:12:2002:08:34:21	531	0.0	40.2	13417	7.9	9.4	6.2	9.2
03:12:2002:08:34:31	568	0.0	38.5	12917	7.9	15.9	8.4	10.6
03:12:2002:08:34:41	609	0.0	38.4	12837	7.9	22.3	10.6	11.9
03:12:2002:08:34:51	659	0.0	29.2	9035	7.8	28.4	12.8	13.2
03:12:2002:08:35:01	792	0.0	67.4	23542	12.1	36.4	15.5	14.9
03:12:2002:08:35:11	943	0.0	73.8	25003	14.9	48.2	19.6	17.1
03:12:2002:08:35:12	Stage at Perfs: Pad							
03:12:2002:08:35:12	957	0.0	73.9	25143	14.8	49.4	20.0	17.4
03:12:2002:08:35:21	1103	79.9	76.9	26254	15.1	60.8	23.9	19.6
03:12:2002:08:35:31	1245	79.8	78.3	26524	15.8	73.7	28.3	22.2
03:12:2002:08:35:41	1378	79.7	79.0	26754	16.0	86.8	32.7	24.9
03:12:2002:08:35:51	1515	82.4	79.8	27074	15.9	100.1	37.2	27.6
03:12:2002:08:36:01	1653	80.0	80.0	27204	15.8	113.4	41.7	30.2
03:12:2002:08:36:11	1749	80.0	80.1	27284	15.9	126.7	46.3	32.8
03:12:2002:08:36:21	1817	80.0	80.2	27314	15.9	140.1	50.8	35.5
03:12:2002:08:36:31	1854	80.0	80.3	27364	15.9	153.5	55.4	38.1
03:12:2002:08:36:41	1849	80.1	80.3	27384	15.8	166.9	59.9	40.8
03:12:2002:08:36:51	1826	80.2	80.5	27404	15.8	180.3	64.5	43.4
03:12:2002:08:37:01	1804	80.2	80.4	27414	15.9	193.7	69.1	46.0
03:12:2002:08:37:11	1776	80.3	80.6	27434	15.8	207.1	73.6	48.7
03:12:2002:08:37:21	1744	80.3	80.6	27454	15.8	220.5	78.2	51.3
03:12:2002:08:37:31	1717	80.3	80.5	27464	15.9	234.0	82.8	54.0
03:12:2002:08:37:41	1694	80.3	80.6	27414	15.8	247.4	87.4	56.6
03:12:2002:08:37:51	1648	80.3	80.5	27394	15.9	260.8	91.9	59.2
03:12:2002:08:38:01	1607	80.3	79.9	27084	15.9	274.2	96.5	61.9
03:12:2002:08:38:11	1588	80.3	79.8	27084	15.9	287.5	101.0	64.5
03:12:2002:08:38:21	1579	80.3	80.3	27304	15.9	300.9	105.5	67.2
03:12:2002:08:38:31	1575	80.3	80.5	27374	15.9	314.3	110.1	69.8
03:12:2002:08:38:41	1566	80.2	80.5	27394	15.9	327.7	114.7	72.5
03:12:2002:08:38:51	1566	80.2	80.6	27424	15.9	341.1	119.2	75.2
03:12:2002:08:39:01	1566	80.2	80.6	27444	15.9	354.5	123.8	77.8
03:12:2002:08:39:11	1561	80.2	80.7	27474	15.9	368.0	128.4	80.5
03:12:2002:08:39:21	1561	80.2	80.7	27474	15.9	381.4	133.0	83.1
03:12:2002:08:39:31	1561	80.2	80.7	27454	16.0	394.9	137.5	85.8
03:12:2002:08:39:41	1556	80.3	80.6	27414	15.9	408.3	142.1	88.4
03:12:2002:08:39:51	1561	80.3	80.5	27404	15.9	421.7	146.7	91.1
03:12:2002:08:40:01	1561	80.3	80.5	27404	15.9	435.2	151.2	93.7
03:12:2002:08:40:11	1556	80.3	80.5	27394	15.9	448.6	155.8	96.4
03:12:2002:08:40:21	1556	80.3	80.6	27394	15.9	462.0	160.4	99.0
03:12:2002:08:40:31	1561	80.2	80.5	27394	16.0	475.4	164.9	101.7
03:12:2002:08:40:41	1552	80.2	80.5	27394	15.9	488.9	169.5	104.3

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CONSERVATION DIVISION  
 WICHITA, KS

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH FOAM QUALITY %	INJ RATE bbl/min	N2 RATE scf/min	SLUR RATE bbl/min	TOT INJ bbl	TOT N2 Mscf	TOT SLUR bbl
03:12:2002:08:40:51	1556	80.2	80.5	27394	15.9	502.3	174.1	107.0
03:12:2002:08:41:01	1552	80.2	80.5	27394	16.0	515.7	178.6	109.6
03:12:2002:08:41:11	1556	80.2	80.5	27384	15.9	529.1	183.2	112.3
03:12:2002:08:41:21	1556	80.2	80.5	27394	15.9	542.6	187.8	115.0
03:12:2002:08:41:31	1556	80.2	80.6	27394	15.9	556.0	192.3	117.6
03:12:2002:08:41:41	1556	80.2	80.5	27394	15.9	569.4	196.9	120.3
03:12:2002:08:41:51	1561	80.2	80.6	27394	15.9	582.8	201.5	122.9
03:12:2002:08:42:01	1556	80.2	80.5	27384	16.0	596.2	206.0	125.6
03:12:2002:08:42:11	1556	80.2	80.5	27384	16.0	609.7	210.6	128.2
03:12:2002:08:42:21	1556	80.2	80.5	27384	15.9	623.1	215.2	130.9
03:12:2002:08:42:31	1561	80.2	80.5	27384	16.0	636.5	219.7	133.5
03:12:2002:08:42:41	1556	80.2	80.5	27384	16.0	649.9	224.3	136.2
03:12:2002:08:42:51	1556	80.2	80.6	27384	15.9	663.4	228.8	138.9
03:12:2002:08:43:01	1556	80.2	80.5	27384	15.9	676.8	233.4	141.5
03:12:2002:08:43:11	1561	80.2	80.6	27384	15.9	690.2	238.0	144.2
03:12:2002:08:43:21	1561	80.2	80.6	27384	15.9	703.6	242.5	146.8
03:12:2002:08:43:31	1556	80.2	80.6	27384	15.9	717.0	247.1	149.5
03:12:2002:08:43:41	1556	80.2	80.8	27374	15.9	730.5	251.7	152.2
03:12:2002:08:43:51	1561	80.2	80.6	27394	15.9	743.9	256.2	154.8
03:12:2002:08:44:01	1561	80.2	80.5	27394	16.0	757.3	260.8	157.5
03:12:2002:08:44:11	1561	80.2	80.5	27394	16.0	770.7	265.4	160.1
03:12:2002:08:44:21	1561	80.2	80.5	27394	16.0	784.2	269.9	162.8
03:12:2002:08:44:31	1561	80.2	80.6	27394	15.9	797.6	274.5	165.4
03:12:2002:08:44:41	1566	80.2	80.5	27394	16.0	811.0	279.1	168.1
03:12:2002:08:44:51	1556	80.2	80.5	27394	16.0	824.5	283.6	170.8
03:12:2002:08:45:01	1556	80.2	80.5	27394	16.0	837.9	288.2	173.4
03:12:2002:08:45:11	1561	80.2	80.5	27394	16.0	851.3	292.8	176.1
03:12:2002:08:45:21	1556	80.2	80.5	27384	16.0	864.7	297.3	178.7
03:12:2002:08:45:31	1561	80.2	80.5	27374	16.0	878.2	301.9	181.4
03:12:2002:08:45:41	1561	80.2	80.3	27324	16.0	891.6	306.4	184.1
03:12:2002:08:45:51	1561	80.2	80.5	27324	15.9	905.0	311.0	186.7
03:12:2002:08:46:01	1556	80.2	80.6	27364	15.9	918.4	315.6	189.4
03:12:2002:08:46:11	1556	80.2	80.6	27374	15.9	931.8	320.1	192.1
03:12:2002:08:46:21	1552	80.2	80.6	27374	16.0	945.2	324.7	194.7
03:12:2002:08:46:31	1556	80.2	80.5	27384	16.0	958.7	329.2	197.4
03:12:2002:08:46:41	1556	80.2	80.6	27384	15.9	972.1	333.8	200.0
03:12:2002:08:46:51	1556	80.2	80.6	27384	16.0	985.5	338.4	202.7
03:12:2002:08:47:01	1552	80.2	80.6	27384	15.9	998.9	342.9	205.4
03:12:2002:08:47:11	1552	80.2	80.6	27384	15.9	1012.4	347.5	208.0
03:12:2002:08:47:21	1547	80.2	80.6	27384	15.9	1025.8	352.1	210.7
03:12:2002:08:47:31	1552	80.2	80.6	27384	15.9	1039.2	356.6	213.3
03:12:2002:08:47:41	1552	80.2	80.5	27384	16.0	1052.6	361.2	216.0
03:12:2002:08:47:51	1547	80.2	80.6	27384	15.9	1066.1	365.8	218.7
03:12:2002:08:48:01	1552	80.2	80.4	27354	16.0	1079.5	370.3	221.3
03:12:2002:08:48:11	1552	80.2	80.4	27354	16.0	1092.9	374.9	224.0
03:12:2002:08:48:21	1547	80.2	80.5	27354	16.0	1106.3	379.4	226.7
03:12:2002:08:48:31	1547	80.2	80.5	27354	16.0	1119.7	384.0	229.3
03:12:2002:08:48:41	1547	80.2	80.5	27354	16.0	1133.2	388.6	232.0
03:12:2002:08:48:51	1547	80.1	80.5	27354	16.0	1146.6	393.1	234.7
03:12:2002:08:49:01	1547	80.1	80.4	27354	16.0	1160.0	397.7	237.3
03:12:2002:08:49:11	1547	80.1	80.4	27354	16.0	1173.4	402.2	240.0
03:12:2002:08:49:21	1547	80.1	80.5	27364	15.9	1186.8	406.8	242.7
03:12:2002:08:49:31	1543	80.1	80.5	27364	16.0	1200.3	411.4	245.3
03:12:2002:08:49:41	1547	80.1	80.4	27364	16.0	1213.7	415.9	248.0
03:12:2002:08:49:51	1547	80.1	80.6	27364	16.0	1227.1	420.5	250.7
03:12:2002:08:50:01	1543	80.1	80.5	27354	16.0	1240.5	425.0	253.3
03:12:2002:08:50:11	1543	80.1	80.5	27354	16.0	1253.9	429.6	256.0
03:12:2002:08:50:21	1543	80.1	80.5	27354	16.0	1267.4	434.2	258.7
03:12:2002:08:50:31	1543	80.1	80.5	27344	15.9	1280.8	438.7	261.3
03:12:2002:08:50:41	1543	80.1	80.5	27344	16.0	1294.2	443.3	264.0
03:12:2002:08:50:51	1543	80.1	80.5	27344	15.9	1307.6	447.8	266.7
03:12:2002:08:51:01	1543	80.1	80.5	27344	16.0	1321.0	452.4	269.3
03:12:2002:08:51:11	1543	80.1	80.6	27344	16.0	1334.4	456.9	272.0
03:12:2002:08:51:21	1543	80.1	80.4	27354	16.0	1347.9	461.5	274.7
03:12:2002:08:51:31	1543	80.1	80.4	27354	16.0	1361.3	466.1	277.3
03:12:2002:08:51:41	1538	80.1	80.5	27354	16.0	1374.7	470.6	280.0
03:12:2002:08:51:51	1538	80.1	80.5	27344	15.9	1388.1	475.2	282.7
03:12:2002:08:52:01	1538	80.1	80.5	27354	16.0	1401.5	479.7	285.3
03:12:2002:08:52:11	1538	80.1	80.5	27354	16.0	1415.0	484.3	288.0
03:12:2002:08:52:21	1538	80.1	80.5	27354	16.0	1428.4	488.9	290.7
03:12:2002:08:52:31	1538	80.1	80.5	27354	16.0	1441.8	493.4	293.4
03:12:2002:08:52:41	1538	80.1	80.5	27354	16.0	1455.2	498.0	296.0
03:12:2002:08:52:51	1538	80.1	80.5	27354	16.0	1468.7	502.5	298.7
03:12:2002:08:53:01	1543	80.1	80.5	27354	16.0	1482.1	507.1	301.4
03:12:2002:08:53:11	1538	80.1	80.5	27354	16.0	1495.5	511.6	304.0
03:12:2002:08:53:21	1534	80.1	80.5	27354	16.0	1508.9	516.2	306.7
03:12:2002:08:53:31	1534	80.1	80.4	27344	16.0	1522.3	520.8	309.4
03:12:2002:08:53:41	1534	80.1	80.5	27344	16.0	1535.8	525.3	312.0

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AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH FOAM QUALITY %	INJ RATE bbl/min	N2 RATE scf/min	SLUR RATE bbl/min	TOT INJ bbl	TOT N2 Mscf	TOT SLUR bbl
03:12:2002:08:53:51	1534	80.1	80.5	27344	16.0	1549.2	529.9	314.7
03:12:2002:08:54:01	1538	80.1	80.5	27334	16.0	1562.6	534.4	317.4
03:12:2002:08:54:11	1534	80.1	80.5	27344	16.0	1576.0	539.0	320.0
03:12:2002:08:54:21	1529	80.1	80.4	27344	16.0	1569.4	543.6	322.7
03:12:2002:08:54:31	1534	80.1	80.5	27344	16.0	1602.9	548.1	325.4
03:12:2002:08:54:41	1529	80.1	80.5	27344	16.0	1616.3	552.7	328.1
03:12:2002:08:54:51	1534	80.1	80.5	27344	16.0	1629.7	557.2	330.7
03:12:2002:08:55:01	1534	80.1	80.5	27344	16.0	1643.1	561.8	333.4
03:12:2002:08:55:11	1534	80.1	80.6	27344	15.9	1656.5	566.3	336.1
03:12:2002:08:55:21	1534	80.1	80.5	27344	16.0	1669.9	570.9	338.7
03:12:2002:08:55:31	1534	80.1	80.5	27364	16.0	1683.4	575.5	341.4
03:12:2002:08:55:41	1534	80.1	80.5	27344	16.0	1696.8	580.0	344.1
03:12:2002:08:55:51	1534	80.1	80.5	27344	16.0	1710.2	584.6	346.8
03:12:2002:08:56:01	1534	80.1	80.5	27354	16.0	1723.6	589.1	349.4
03:12:2002:08:56:11	1538	80.1	80.5	27354	16.0	1737.1	593.7	352.1
03:12:2002:08:56:21	1534	80.1	80.5	27354	16.0	1750.5	598.2	354.8
03:12:2002:08:56:31	1529	80.1	80.5	27354	16.2	1763.9	602.8	357.4
03:12:2002:08:56:41	1534	80.1	80.5	27354	16.0	1777.3	607.4	360.1
03:12:2002:08:56:51	1534	80.1	80.5	27354	16.0	1790.8	611.9	362.8
03:12:2002:08:57:01	1534	80.1	80.5	27354	16.0	1804.2	616.5	365.5
03:12:2002:08:57:11	1534	80.1	80.5	27354	16.0	1817.6	621.0	368.1
03:12:2002:08:57:21	1529	80.1	80.5	27354	16.0	1831.0	625.6	370.8
03:12:2002:08:57:31	1534	80.1	80.7	27354	16.0	1844.4	630.2	373.5
03:12:2002:08:57:41	1529	80.1	80.7	27354	16.0	1857.9	634.7	376.2
03:12:2002:08:57:51	1534	80.1	80.5	27354	16.0	1871.3	639.3	378.8
03:12:2002:08:58:01	1529	80.1	80.5	27354	16.0	1884.7	643.8	381.5
03:12:2002:08:58:11	1529	80.1	80.5	27354	16.2	1898.1	648.4	384.2
03:12:2002:08:58:21	1529	80.1	80.5	27354	16.0	1911.6	653.0	386.9
03:12:2002:08:58:31	1534	80.1	80.5	27354	16.0	1925.0	657.5	389.5
03:12:2002:08:58:41	1529	80.1	80.5	27334	16.0	1938.4	662.1	392.2
03:12:2002:08:58:51	1534	80.1	80.7	27354	16.0	1951.9	666.6	394.9
03:12:2002:08:59:01	1524	80.1	80.5	27354	16.0	1965.3	671.2	397.5
03:12:2002:08:59:11	1529	80.1	80.5	27354	16.0	1978.7	675.7	400.2
03:12:2002:08:59:21	1529	80.1	80.5	27354	16.0	1992.1	680.3	402.9
03:12:2002:08:59:31	1534	80.1	80.5	27354	16.0	2005.6	684.9	405.6
03:12:2002:08:59:41	1534	80.1	80.7	27354	16.0	2019.0	689.4	408.3
03:12:2002:08:59:51	1529	80.1	80.5	27354	16.0	2032.4	694.0	410.9
03:12:2002:09:00:01	1529	80.1	80.5	27354	16.0	2045.8	698.5	413.6
03:12:2002:09:00:11	1524	80.1	80.7	27354	16.0	2059.3	703.1	416.3
03:12:2002:09:00:21	1529	80.1	80.5	27354	16.0	2072.7	707.7	419.0
03:12:2002:09:00:31	1529	80.1	80.5	27354	16.0	2086.1	712.2	421.6
03:12:2002:09:00:41	1524	80.1	80.7	27354	16.0	2099.6	716.8	424.3
03:12:2002:09:00:51	1524	80.1	80.5	27354	16.0	2113.0	721.3	427.0
03:12:2002:09:01:01	1529	80.1	80.7	27354	16.0	2126.4	725.9	429.7
03:12:2002:09:01:11	1524	80.1	80.7	27354	16.0	2139.9	730.5	432.3
03:12:2002:09:01:21	1529	80.1	80.7	27354	16.0	2153.3	735.0	435.0
03:12:2002:09:01:31	1524	80.1	80.7	27354	16.0	2166.7	739.6	437.7
03:12:2002:09:01:41	1529	80.1	80.5	27354	16.0	2180.1	744.1	440.4
03:12:2002:09:01:51	1529	80.1	80.5	27354	16.0	2193.6	748.7	443.1
03:12:2002:09:02:01	1524	80.1	80.6	27354	16.0	2207.0	753.3	445.7
03:12:2002:09:02:11	1524	80.1	80.5	27354	16.0	2220.4	757.8	448.4
03:12:2002:09:02:21	1524	80.1	80.5	27354	16.0	2233.9	762.4	451.1
03:12:2002:09:02:31	1529	80.1	80.7	27354	16.0	2247.3	766.9	453.8
03:12:2002:09:02:41	1524	80.1	80.5	27354	16.0	2260.7	771.5	456.4
03:12:2002:09:02:51	1524	80.1	80.7	27354	16.0	2274.2	776.0	459.1
03:12:2002:09:03:01	1524	80.1	80.7	27354	16.0	2287.6	780.6	461.8
03:12:2002:09:03:11	1524	80.1	80.5	27394	16.2	2301.0	785.2	464.5
03:12:2002:09:03:21	1524	80.1	80.7	27354	16.0	2314.5	789.7	467.2
03:12:2002:09:03:31	1524	80.1	80.5	27354	16.2	2327.9	794.3	469.8
03:12:2002:09:03:41	1524	80.1	80.7	27354	16.0	2341.3	798.8	472.5
03:12:2002:09:03:51	1524	80.1	80.5	27354	16.2	2354.7	803.4	475.2
03:12:2002:09:04:01	1520	80.1	80.5	27354	16.0	2368.2	808.0	477.9
03:12:2002:09:04:11	1524	80.1	80.7	27354	16.0	2381.6	812.5	480.6
03:12:2002:09:04:21	1524	80.1	80.7	27354	16.0	2395.0	817.1	483.2
03:12:2002:09:04:31	1520	80.1	80.7	27354	16.0	2408.5	821.6	485.9
03:12:2002:09:04:41	1524	80.1	80.7	27354	16.0	2421.9	826.2	488.6
03:12:2002:09:04:51	1524	80.1	80.7	27354	16.0	2435.3	830.8	491.3
03:12:2002:09:05:01	1520	80.1	80.5	27354	16.0	2448.8	835.3	494.0
03:12:2002:09:05:11	1524	80.1	80.5	27354	16.2	2462.2	839.9	496.6
03:12:2002:09:05:21	1524	80.1	80.5	27354	16.2	2475.6	844.4	499.3
03:12:2002:09:05:31	1529	80.0	80.7	27354	16.0	2489.1	849.0	502.0
03:12:2002:09:05:41	1520	80.0	80.5	27304	16.2	2502.5	853.6	504.7
03:12:2002:09:05:51	1520	80.0	80.6	27304	16.0	2515.9	858.1	507.4
03:12:2002:09:06:01	1524	80.0	80.4	27304	16.2	2529.3	862.7	510.0
03:12:2002:09:06:11	1524	80.0	80.6	27304	16.0	2542.8	867.2	512.7
03:12:2002:09:06:21	1520	80.0	80.4	27324	16.0	2556.2	871.8	515.4
03:12:2002:09:06:31	1524	80.0	80.4	27304	16.2	2569.6	876.3	518.1
03:12:2002:09:06:41	1520	80.0	80.6	27314	16.0	2583.0	880.9	520.8

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Job Date: 03-12-2002

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	BH FOAM QUALITY %	INJ RATE bbl/min	N2 RATE scf/min	SLUR RATE bbl/min	TOT INJ bbl	TOT N2 Mscf	TOT SLUR bbl
03:12:2002:09:06:51	1520	80.0	80.4	27304	16.2	2596.4	885.4	523.4
03:12:2002:09:07:01	1524	80.0	80.4	27304	16.2	2609.8	890.0	526.1
03:12:2002:09:07:11	1520	80.0	80.6	27314	16.0	2623.2	894.5	528.8
03:12:2002:09:07:21	1524	80.0	80.6	27304	16.0	2636.7	899.1	531.5
03:12:2002:09:07:31	1524	80.0	80.4	27324	16.2	2650.1	903.6	534.2
03:12:2002:09:07:41	1520	80.0	80.5	27304	16.2	2663.5	908.2	536.8
03:12:2002:09:07:51	1520	80.0	80.6	27304	16.0	2676.9	912.7	539.5
03:12:2002:09:08:01	1520	80.0	80.6	27304	16.0	2690.3	917.3	542.2
03:12:2002:09:08:11	1520	80.0	80.6	27304	16.0	2703.7	921.8	544.9
03:12:2002:09:08:21	1524	80.0	80.6	27304	16.0	2717.2	926.4	547.6
03:12:2002:09:08:31	Started Flush Automatically							
03:12:2002:09:08:31	1515	80.0	80.4	27324	16.0	2730.6	930.9	550.3
03:12:2002:09:08:41	1442	80.0	64.4	27324	0.0	2742.0	935.5	550.7
03:12:2002:09:08:51	1428	80.0	64.4	27324	0.0	2752.7	940.0	550.7
03:12:2002:09:09:01	1437	80.0	64.5	27324	0.0	2763.5	944.6	550.7
03:12:2002:09:09:11	1451	80.0	64.5	27334	0.0	2774.2	949.1	550.7
03:12:2002:09:09:21	1460	80.0	64.5	27334	0.0	2785.0	953.7	550.7
03:12:2002:09:09:31	Stage at Perfs: Flush							
03:12:2002:09:09:31	1419	82.3	64.1	21881	0.0	2795.7	958.2	550.7
03:12:2002:09:09:41	1328	0.0	0.0	20	0.0	2798.0	958.8	550.7
03:12:2002:09:09:51	1318	0.0	0.0	10	0.0	2798.0	958.8	550.7
03:12:2002:09:10:01	1309	0.0	0.0	0	0.0	2798.0	958.8	550.7
03:12:2002:09:10:11	1300	0.0	0.0	0	0.0	2798.0	958.8	550.7
03:12:2002:09:10:21	1295	0.0	0.0	0	0.0	2798.0	958.8	550.7
03:12:2002:09:10:31	1295	0.0	0.0	0	0.0	2798.0	958.8	550.7
03:12:2002:09:10:41	1291	0.0	0.0	0	0.0	2798.0	958.8	550.7
03:12:2002:09:10:51	1286	0.0	0.0	0	0.0	2798.0	958.8	550.7
03:12:2002:09:11:01	1286	0.0	0.0	0	0.0	2798.0	958.8	550.7

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