

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5208  
Name: ExxonMobil Oil Corporation  
Address: P. O. Box 4358  
City/State/Zip: Houston, Texas 77210-4358  
Purchaser: spot market  
Operator Contact Person: Jacqueline Davis  
Phone: (281) 654-1913  
Contractor: Name: Pioneer Drilling Services  
License: 33545

Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion:  
 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: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ 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. \_\_\_\_\_

10/26/06      10/28/06      3/30/07  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 189-22558-00-00  
County: Stevens  
NE SWSW Sec. 7 Twp. 32 S. R. 35  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: Keating Unit No. 2 Well #: 4-7  
Field Name: Panoma

Producing Formation: Council Grove  
Elevation: Ground: 3021' Kelly Bushing: 3032'  
Total Depth: 3277' Plug Back Total Depth: 3145'  
Amount of Surface Pipe Set and Cemented at 632' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT #1 RGR 6/26/07  
(Data must be collected from the Reserve Pit)

Chloride content 1900 ppm Fluid volume 3380 bbls  
Dewatering method used evaporation  
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: Jacqueline Davis  
Title: Support Staff Tech Asst Date: 4/6/07  
Subscribed and sworn to before me this 6<sup>th</sup> day of April,  
2007.  
Notary Public: Roxanne Denise Tack  
Date Commission Expires: 09/27/2009

NOTARY PUBLIC  
STATE OF KANSAS  
Roxanne Denise Tack  
My Commission Expires  
09/27/2009

KCC Office Use ONLY

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

RECEIVED  
KANSAS CORPORATION COMMISSION  
APR 09 2007

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: ExxonMobil Oil Corporation Lease Name: Keating Unit No. 2 Well #: 4-7  
 Sec. 7 Twp. 32 S. R. 35  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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Array Induction/SP Linear Correlation, Litho-Density/ Compensated Neutron GR, Microlog GR, Cement Evaluation Hole Evaluation, Pressure Express GR	<input checked="" 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>Chase</td> <td>2597'</td> <td>3032'</td> </tr> <tr> <td>Council Grove</td> <td>2942'</td> <td>3032'</td> </tr> </table>	Name	Top	Datum	Chase	2597'	3032'	Council Grove	2942'	3032'
Name	Top	Datum								
Chase	2597'	3032'								
Council Grove	2942'	3032'								

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	12 1/4"	8 5/8"	32	632'	Class C	405	6%D20+2%S1
production	7 7/8"	5 1/2"	15.5	3235'	35/65Poz C	175	6%D20+2%S1
					SS10	165	2%D65+D46

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
3	2950' - 2970'	Pumped 12 bbls 15% HCL, 231,200 lbs sand	2950'-70'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	2965'			
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
pending			<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) \_\_\_\_\_

5.11.11



# Cementing Service Report

<b>Customer</b> EXXON MOBIL CORPORATION	<b>Job Number</b> 2205552247
--------------------------------------------	---------------------------------

<b>Well</b> KEATING UNIT #2 4-7		<b>Location (legal)</b>		<b>Schlumberger Location</b> Perryton, TX		<b>Job Start</b> 2006-Oct-30					
<b>Field</b> PANOMA GAS		<b>Formation Name/Type</b> Dirty-Sandstone		<b>Deviation</b>		<b>Bit Size</b> 7.88 in	<b>Well MD</b> 3,235 ft	<b>Well TVD</b> 3,235 ft			
<b>County</b> Stevens		<b>State/Province</b> KS		<b>BHP</b> psi	<b>BHST</b> 113 °F	<b>BHCT</b> 95 °F	<b>Pore Press. Gradient</b> psi/ft				
<b>Well Master:</b> 0630861343		<b>API / UWI:</b>		<b>Casing/Liner</b>							
<b>Rlg Name</b> PIONEER #49	<b>Drilled For</b> Oil & Gas	<b>Service Via</b> Land		<b>Depth, ft</b> 3235	<b>Size, in</b> 5.5	<b>Weight, lb/ft</b> 15.5	<b>Grade</b> K55	<b>Thread</b> 8RD			
<b>Offshore Zone</b>	<b>Well Class</b> New	<b>Well Type</b> Development		<b>Tubing/Drill Pipe</b>							
<b>Drilling Fluid Type</b> Bentonite		<b>Max. Density</b> 9.5 lb/gal	<b>Plastic Vls cp</b> 20	<b>Depth,</b>	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>			
<b>Service Line</b> Cementing	<b>Job Type</b> Cem Prod Casing			<b>Perforations/Open Hole</b>							
<b>Max. Allowed Tubing Pressure</b> 1500 psi	<b>Max. Allowed Ann. Pressure</b> psi	<b>WellHead Connection</b> 5 1/2" H&SM		<b>Top, ft</b>	<b>Bottom, ft</b>	<b>spf</b>	<b>No. of Shots</b>	<b>Total Interval</b> ft			
<b>Service Instructions</b> Cement 5 1/2" Casing 175 sks of 35/65 Poz:C+6% D20+2%S1+0.125 pps D130 165 sks of SS10:10+0.2%D65+0.1%D167+0.2%D46+0.125pps D130 Displace with 2% KCl, plus 50 sacks 35/65 for mouse and rat holes				<b>Treat Down</b> Casing	<b>Displacement</b> 75 bbl	<b>Packer Type</b>	<b>Packer Depth</b> ft				
				<b>Tubing Vol.</b> bbl	<b>Casing Vol.</b> 77 bbl	<b>Annular Vol.</b> 100 bbl	<b>OpenHole Vol</b> 195 bbl				
				<b>Casing/Tubing Secured</b> <input checked="" type="checkbox"/>	<b>1 Hole Volume Circulated prior to Cementing</b> <input checked="" type="checkbox"/>	<b>Casing Tools</b>		<b>Squeeze Job</b>			
				<b>Lift Pressure:</b> 2500 psi	<b>Pipe Rotated</b> <input type="checkbox"/>	<b>Pipe Reciprocated</b> <input type="checkbox"/>	<b>Shoe Type:</b> Guide	<b>Shoe Depth:</b> 3235 ft	<b>Squeeze Type</b>	<b>Tool Type:</b>	
<b>No. Centralizers:</b> 26	<b>Top Plugs:</b> 1	<b>Bottom Plugs:</b> 0	<b>Stage Tool Type:</b>	<b>Stage Tool Depth:</b> ft	<b>Tool Depth:</b> ft	<b>Tail Pipe Size:</b> in					
<b>Cement Head Type:</b> Single	<b>Job Scheduled For:</b>	<b>Arrived on Location:</b> 2006-Oct-30 0:15	<b>Leave Location:</b> 2006-Oct-30 6:30	<b>Collar Type:</b> Float	<b>Collar Depth:</b> 3147 ft	<b>Tail Pipe Depth:</b> ft	<b>Sqz Total Vol:</b> bbl				
<b>Date</b>	<b>Time</b> 24 hr clock	<b>CMT TREAT PRES</b> psi	<b>CMT DENS</b> lb/gal	<b>CMT RATE</b> bbl/min	<b>CMT VOL</b> bbl	<b>CMT TPLX RATE</b> bbl/min	<b>CMT TPLX VOL</b> bbl	<b>Message</b>			
2006-Oct-30	3:46	-3750	-6.25	0.0	0.0	0.0	0.0				
2006-Oct-30	3:47	-3750	-6.25	0.0	0.0	0.0	0.0				
2006-Oct-30	3:47	-3750	-6.25	0.0	0.0	0.0	0.0				
2006-Oct-30	3:48	-3750	-6.25	0.0	0.0	0.0	0.0				
2006-Oct-30	3:48	-3750	-6.25	0.0	0.0	0.0	0.0				
2006-Oct-30	3:49	22	24.99	0.0	0.0	0.0	0.0				
2006-Oct-30	3:49							Start Job			
2006-Oct-30	3:49	0	24.99	0.0	0.0	0.0	0.0				
2006-Oct-30	3:49	0	24.99	0.0	0.0	0.0	0.0				
2006-Oct-30	3:49	0	24.99	0.0	0.0	0.0	0.0				
2006-Oct-30	3:49							Fill up Rodent holes			
2006-Oct-30	3:50	0	24.99	0.0	0.0	0.0	0.0				
2006-Oct-30	3:50	0	24.99	0.0	0.0	0.0	0.0				
2006-Oct-30	3:51	0	24.99	0.0	0.0	0.0	0.0				
2006-Oct-30	3:51	0	8.56	0.0	0.0	0.0	0.0				
2006-Oct-30	3:52	0	8.33	0.0	0.0	0.0	0.0				
2006-Oct-30	3:52	0	8.33	0.0	0.0	0.0	0.0				
2006-Oct-30	3:53	0	8.33	0.0	0.0	0.0	0.0				
2006-Oct-30	3:53	0	8.33	0.0	0.0	0.0	0.0				
2006-Oct-30	3:54	0	8.33	0.0	0.0	0.0	0.0				
2006-Oct-30	3:54	0	8.33	0.0	0.0	0.0	0.0				
2006-Oct-30	3:55	64	3.78	0.0	0.6	0.0	0.0				

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
 APR 09 2007  
 CONSERVATION DIVISION  
 WICHITA, KS

Well		Field			Service Date		Customer		Job Number
KEATING UNIT #2 #4-7		PANOMA GAS			06303-Oct-30		EXXON MOBIL CORPORATION		2205552247
Date	Time	CMT TREAT PRES	CMT DENS	CMT RATE	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Oct-30	3:55	9	0.17	0.0	0.6	0.0	0.0	0	
2006-Oct-30	3:56	5	10.29	4.8	2.2	0.0	0.0	0	
2006-Oct-30	3:56	5	11.72	4.7	0.0	0.0	0.0	0	
2006-Oct-30	3:57	55	12.06	4.2	2.3	0.0	0.0	0	
2006-Oct-30	3:57	55	12.78	4.1	4.4	0.5	0.2	0	
2006-Oct-30	3:58	60	12.72	4.2	6.4	0.5	0.4	0	
2006-Oct-30	3:58	-9	12.45	4.4	8.5	1.8	0.9	0	
2006-Oct-30	3:59	64	11.76	4.1	10.1	1.9	1.9	0	
2006-Oct-30	3:59	-5	11.21	4.3	11.8	1.9	2.8	0	
2006-Oct-30	4:00	-5	11.23	5.0	11.8	1.9	3.8	0	
2006-Oct-30	4:00								Reset Total, Vol = 11.84 bbl
2006-Oct-30	4:00	-5	11.68	5.0	11.8	1.9	4.2	0	
2006-Oct-30	4:00	-5	12.04	5.0	11.8	1.9	4.7	0	
2006-Oct-30	4:01	-5	12.25	4.8	11.8	1.9	5.7	0	
2006-Oct-30	4:01	-5	12.62	5.1	11.8	1.9	6.6	0	
2006-Oct-30	4:02	0	12.37	5.1	11.8	1.9	7.5	0	
2006-Oct-30	4:02	0	12.34	5.1	11.8	1.9	8.5	0	
2006-Oct-30	4:03	0	12.31	5.0	11.8	1.9	9.5	0	
2006-Oct-30	4:03	0	12.28	5.2	11.8	1.9	10.4	0	
2006-Oct-30	4:04	50	11.66	4.3	11.9	1.9	11.3	0	
2006-Oct-30	4:04	60	12.22	4.1	14.1	1.9	12.3	0	
2006-Oct-30	4:05	78	12.16	4.6	16.2	1.9	13.2	0	
2006-Oct-30	4:05	-9	11.88	0.0	17.9	0.0	13.8	0	
2006-Oct-30	4:06	-9	8.69	6.3	19.0	0.0	13.8	0	
2006-Oct-30	4:06	73	8.69	6.7	19.0	0.0	13.8	0	
2006-Oct-30	4:06								Reset Total, Vol = 7.17 bbl
2006-Oct-30	4:06	69	8.70	4.9	19.9	0.0	13.8	0	
2006-Oct-30	4:07	0	8.62	6.0	20.1	0.0	13.8	0	
2006-Oct-30	4:07	0	8.63	6.2	20.4	0.0	13.8	0	
2006-Oct-30	4:08	0	8.63	6.2	20.4	0.0	13.8	0	
2006-Oct-30	4:08	-5	8.63	6.1	20.4	0.0	13.8	0	
2006-Oct-30	4:09	0	8.63	6.4	20.4	0.0	13.8	0	
2006-Oct-30	4:09	0	8.63	6.3	20.4	0.0	13.8	0	
2006-Oct-30	4:10	-5	8.63	6.3	20.4	0.0	13.8	0	
2006-Oct-30	4:10	0	8.63	6.3	20.4	0.0	13.8	0	
2006-Oct-30	4:11	0	8.63	6.3	20.4	0.0	13.8	0	
2006-Oct-30	4:11	0	8.63	6.4	20.4	0.0	13.8	0	
2006-Oct-30	4:12								Pressure Test Lines
2006-Oct-30	4:12	0	8.63	2.3	0.0	0.0	0.0	0	
2006-Oct-30	4:12	5	8.66	0.0	0.0	0.0	0.0	0	
2006-Oct-30	4:12	69	8.57	0.0	0.0	0.0	0.0	0	
2006-Oct-30	4:13	197	8.35	2.8	0.5	3.0	0.8	0	
2006-Oct-30	4:13	78	8.33	2.7	2.0	1.2	2.3	0	
2006-Oct-30	4:14	32	8.33	0.0	2.1	0.0	2.3	0	
2006-Oct-30	4:14	82	8.33	0.1	2.1	0.0	2.3	0	
2006-Oct-30	4:15	1772	8.41	0.0	2.1	0.1	2.3	0	
2006-Oct-30	4:15	2142	8.41	0.0	2.1	0.0	2.3	0	
2006-Oct-30	4:16	2124	8.41	0.0	2.1	0.0	2.3	0	
2006-Oct-30	4:16	0	8.40	0.0	2.1	0.0	2.3	0	
2006-Oct-30	4:17	23	8.40	0.0	2.1	0.0	2.3	0	
2006-Oct-30	4:17	311	8.31	4.5	3.0	4.9	3.4	0	
2006-Oct-30	4:18	302	8.57	5.0	5.5	4.9	5.9	0	
2006-Oct-30	4:18								Reset Total, Vol = 5.62 bbl
2006-Oct-30	4:18	279	8.57	4.9	5.6	4.9	6.0	0	

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Well		Field		Service Date		Customer		Job Number	
KEATING UNIT #2-4-7		PANOMA GAS		06303-Oct-30		EXXON MOBIL CORPORATION		2205552247	
Date	Time	CMT TREAT PRES psi	CMT DENS lb/gal	CMT RATE bbl/min	CMT VOL bbl	CMT TPLX RATE bbl/min	CMT TPLX VOL bbl	0	Message
2006-Oct-30	4:18	288	8.63	4.9	0.3	4.9	0.3	0	
2006-Oct-30	4:18								Start Mixing Lead Slurry
2006-Oct-30	4:18	330	10.16	5.5	2.4	5.6	2.4	0	
2006-Oct-30	4:19	357	11.60	5.6	5.1	5.7	5.3	0	
2006-Oct-30	4:19	352	12.17	5.7	7.9	5.8	8.2	0	
2006-Oct-30	4:20	348	12.34	5.7	10.8	5.8	11.1	0	
2006-Oct-30	4:20	293	12.52	5.2	13.6	5.3	13.9	0	
2006-Oct-30	4:21	284	12.43	5.3	16.2	5.3	16.6	0	
2006-Oct-30	4:21	266	12.14	5.4	18.9	5.4	19.3	0	
2006-Oct-30	4:22	243	11.93	5.3	21.6	5.4	22.0	0	
2006-Oct-30	4:22	211	12.61	3.8	23.9	4.3	24.3	0	
2006-Oct-30	4:23	197	11.84	4.8	26.2	4.9	26.7	0	
2006-Oct-30	4:23	206	12.03	5.3	28.7	5.3	29.3	0	
2006-Oct-30	4:24	201	12.66	5.1	31.3	5.3	32.0	0	
2006-Oct-30	4:24	188	12.75	5.2	33.9	5.3	34.6	0	
2006-Oct-30	4:25	174	12.75	5.3	36.6	5.3	37.3	0	
2006-Oct-30	4:25	151	12.61	5.3	39.3	5.3	40.0	0	
2006-Oct-30	4:26	165	12.62	5.7	42.0	5.8	42.8	0	
2006-Oct-30	4:26	142	12.50	5.8	44.9	5.8	45.7	0	
2006-Oct-30	4:27	133	12.67	5.8	47.8	5.8	48.6	0	
2006-Oct-30	4:27	124	12.70	5.7	50.7	5.8	51.5	0	
2006-Oct-30	4:28	114	12.78	5.9	53.6	5.8	54.4	0	
2006-Oct-30	4:28	114	12.63	5.8	56.5	5.8	57.3	0	
2006-Oct-30	4:29	114	12.60	5.9	59.4	5.8	60.2	0	
2006-Oct-30	4:29	110	12.34	5.9	62.3	5.8	63.1	0	
2006-Oct-30	4:30								Reset Total, Vol = 63.01 bbl
2006-Oct-30	4:30	119	13.12	5.9	63.8	5.8	64.7	0	
2006-Oct-30	4:30	133	13.55	5.8	65.1	5.8	65.9	0	
2006-Oct-30	4:30								Reset Total, Vol = 1.15 bbl
2006-Oct-30	4:30	128	13.55	5.7	0.1	5.8	0.1	0	
2006-Oct-30	4:30								End Lead Slurry
2006-Oct-30	4:30								Start Mixing Tail Slurry
2006-Oct-30	4:30	128	13.56	5.7	0.2	5.8	0.2	0	
2006-Oct-30	4:30	151	14.15	5.7	2.9	5.8	3.0	0	
2006-Oct-30	4:31	146	14.11	5.6	5.8	5.9	5.9	0	
2006-Oct-30	4:31	92	14.04	4.8	8.6	4.5	8.8	0	
2006-Oct-30	4:32	156	15.62	4.7	10.8	5.3	11.1	0	
2006-Oct-30	4:32	156	15.02	5.4	13.5	5.6	13.9	0	
2006-Oct-30	4:33	151	14.89	5.4	16.2	5.6	16.6	0	
2006-Oct-30	4:33	160	15.10	5.7	19.0	5.6	19.4	0	
2006-Oct-30	4:34	169	15.25	5.5	21.7	5.6	22.2	0	
2006-Oct-30	4:34	160	15.07	5.5	24.4	5.6	25.0	0	
2006-Oct-30	4:35	160	15.16	5.5	27.2	5.6	27.8	0	
2006-Oct-30	4:35	165	15.19	5.4	29.9	5.6	30.6	0	
2006-Oct-30	4:36	192	14.98	5.7	32.7	6.2	33.4	0	
2006-Oct-30	4:36	188	15.30	5.9	35.7	6.0	36.5	0	
2006-Oct-30	4:37	169	14.87	5.8	38.6	6.0	39.5	0	
2006-Oct-30	4:37	169	14.80	5.8	41.5	6.0	42.5	0	
2006-Oct-30	4:38	82	14.48	4.4	43.7	0.0	42.8	0	
2006-Oct-30	4:38								Reset Total, Vol = 44.17 bbl
2006-Oct-30	4:38	-14	10.66	5.0	44.2	0.0	42.8	0	
2006-Oct-30	4:38								End Tail Slurry
2006-Oct-30	4:38	-14	10.40	5.0	0.1	0.0	0.0	0	
2006-Oct-30	4:38								Drop Top Plug

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Well		Field			Service Date		Customer		Job Number	
KEATING UNIT #2 #4-7		PANOMA GAS			06303-Oct-30		EXXON MOBIL CORPORATION		2205552247	
Date	Time	CMT TREAT PRES	CMT DENS	CMT RATE	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl			
2006-Oct-30	4:38	-14	10.20	5.2	0.2	0.0	0.0	0	0	
2006-Oct-30	4:38									Start Displacement
2006-Oct-30	4:38	-14	10.03	5.4	0.3	0.0	0.0	0	0	
2006-Oct-30	4:38	-14	9.54	0.0	0.5	0.0	0.0	0	0	
2006-Oct-30	4:39	-14	9.34	0.0	0.5	0.0	0.0	0	0	
2006-Oct-30	4:39	50	9.07	2.0	0.8	0.0	0.0	0	0	
2006-Oct-30	4:40	46	8.88	2.6	2.1	0.0	0.0	0	0	
2006-Oct-30	4:40	46	8.73	2.7	3.4	0.0	0.0	0	0	
2006-Oct-30	4:41	229	8.57	4.0	4.8	5.2	0.5	0	0	
2006-Oct-30	4:41	64	8.46	3.1	5.3	3.0	2.5	0	0	
2006-Oct-30	4:42	60	8.41	3.2	5.3	3.1	4.0	0	0	
2006-Oct-30	4:42	224	8.38	5.7	5.3	5.6	6.1	0	0	
2006-Oct-30	4:43	362	8.36	7.3	5.3	7.2	9.6	0	0	
2006-Oct-30	4:43	64	8.33	3.2	5.3	3.0	12.1	0	0	
2006-Oct-30	4:44	60	8.33	3.3	5.3	3.0	13.7	0	0	
2006-Oct-30	4:44	-14	8.32	1.3	5.3	3.0	15.2	0	0	
2006-Oct-30	4:45	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:45	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:46	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:46	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:47	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:47	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:48	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:48	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:49	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:49	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:50	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:50	0	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:51	-9	8.32	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:51	-9	8.35	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:52	-5	8.35	0.0	5.3	0.0	15.5	0	0	
2006-Oct-30	4:52	96	8.32	6.6	7.3	7.1	18.0	0	0	
2006-Oct-30	4:53	-9	8.32	2.5	10.5	0.0	21.3	0	0	
2006-Oct-30	4:53	-9	8.32	0.0	10.6	0.0	21.3	0	0	
2006-Oct-30	4:54	-14	8.32	0.0	10.6	0.0	21.3	0	0	
2006-Oct-30	4:54	-9	8.32	0.1	0.0	0.0	0.0	0	0	
2006-Oct-30	4:55	-9	8.30	0.9	0.3	0.0	0.0	0	0	
2006-Oct-30	4:55	-9	8.33	0.6	1.4	0.0	0.3	0	0	
2006-Oct-30	4:56	-9	8.36	2.2	1.9	0.0	0.3	0	0	
2006-Oct-30	4:56	-9	8.32	0.6	2.3	0.0	0.3	0	0	
2006-Oct-30	4:57	-14	1.01	0.0	2.3	0.0	0.3	0	0	
2006-Oct-30	4:57	-9	8.38	0.0	2.4	0.0	0.3	0	0	
2006-Oct-30	4:58	-9	8.36	0.0	2.4	0.0	0.3	0	0	
2006-Oct-30	4:58	0	8.36	0.0	2.4	0.0	0.3	0	0	
2006-Oct-30	4:59	0	8.38	0.0	2.4	0.0	0.3	0	0	
2006-Oct-30	4:59	0	8.38	0.0	2.4	0.0	0.3	0	0	
2006-Oct-30	5:00	0	8.38	0.0	2.4	0.0	0.3	0	0	
2006-Oct-30	5:00	0	8.38	0.0	2.4	0.0	0.3	0	0	
2006-Oct-30	5:01	0	8.53	0.3	2.8	0.0	0.3	0	0	
2006-Oct-30	5:01	0	8.36	0.1	2.8	0.0	0.3	0	0	
2006-Oct-30	5:02	0	8.27	0.0	2.8	0.0	0.3	0	0	
2006-Oct-30	5:02	0	8.33	0.0	2.8	0.0	0.3	0	0	
2006-Oct-30	5:03	0	8.33	0.0	3.4	0.0	0.3	0	0	
2006-Oct-30	5:03	0	8.35	0.0	3.4	0.0	0.3	0	0	

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Well		Field		Service Date		Customer		Job Number	
KEATING UNIT #2 #4-7		PANOMA GAS		06303-Oct-30		EXXON MOBIL CORPORATION		2205552247	
Date	Time	CMT TREAT PRES	CMT DENS	CMT RATE	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Oct-30	5:04	50	8.30	4.2	3.6	0.0	0.3	0	
2006-Oct-30	5:04	46	8.32	5.3	6.1	4.6	2.3	0	
2006-Oct-30	5:05	46	8.32	5.3	8.8	4.6	4.6	0	
2006-Oct-30	5:05	73	8.33	4.6	11.4	4.5	6.9	0	
2006-Oct-30	5:06	618	8.44	0.0	12.7	0.0	8.0	0	
2006-Oct-30	5:06	545	8.35	0.0	12.7	0.0	8.0	0	
2006-Oct-30	5:07	499	8.33	0.0	12.7	0.0	8.0	0	
2006-Oct-30	5:07	467	8.32	0.0	12.7	0.0	8.0	0	
2006-Oct-30	5:08	1437	8.32	1.1	13.0	0.6	8.3	0	
2006-Oct-30	5:08	1639	8.32	0.8	13.3	0.7	8.7	0	
2006-Oct-30	5:09	1854	8.32	1.7	13.9	1.6	9.3	0	
2006-Oct-30	5:09	1822	8.32	2.0	14.9	1.8	10.3	0	
2006-Oct-30	5:10	838	8.32	2.9	16.2	2.9	11.6	0	
2006-Oct-30	5:10	618	8.32	4.0	18.0	4.0	13.5	0	
2006-Oct-30	5:11	494	8.32	4.0	20.1	4.0	15.6	0	
2006-Oct-30	5:11	513	8.32	4.2	22.2	4.2	17.7	0	
2006-Oct-30	5:12	742	8.32	4.1	24.2	4.1	19.7	0	
2006-Oct-30	5:12	632	8.32	4.1	26.3	4.1	21.7	0	
2006-Oct-30	5:13	897	8.32	4.0	28.3	3.9	23.8	0	
2006-Oct-30	5:13	902	8.32	4.0	30.3	3.9	25.8	0	
2006-Oct-30	5:14	824	8.32	4.1	32.3	4.2	27.8	0	
2006-Oct-30	5:14	975	8.32	3.9	34.4	4.0	29.8	0	
2006-Oct-30	5:15	865	8.32	4.0	36.3	4.0	31.9	0	
2006-Oct-30	5:15	906	8.32	4.0	38.4	4.0	33.9	0	
2006-Oct-30	5:16	906	8.32	4.0	40.4	4.0	35.9	0	
2006-Oct-30	5:16	911	8.32	4.0	42.3	4.0	37.9	0	
2006-Oct-30	5:17	792	8.32	4.2	44.4	4.2	39.9	0	
2006-Oct-30	5:17	732	8.32	4.2	46.5	4.2	42.0	0	
2006-Oct-30	5:18	829	8.32	4.1	48.5	4.1	44.1	0	
2006-Oct-30	5:18	897	8.32	4.1	50.6	4.1	46.2	0	
2006-Oct-30	5:19	801	8.32	4.2	52.7	4.2	48.3	0	
2006-Oct-30	5:19	815	8.32	4.2	54.8	4.2	50.3	0	
2006-Oct-30	5:20	870	8.32	4.1	56.8	4.1	52.4	0	
2006-Oct-30	5:20	815	8.32	4.2	58.9	4.2	54.5	0	
2006-Oct-30	5:21	865	8.32	4.1	61.0	4.2	56.6	0	
2006-Oct-30	5:21	847	8.32	4.0	63.0	4.0	58.7	0	
2006-Oct-30	5:22	810	8.32	4.1	65.1	4.1	60.7	0	
2006-Oct-30	5:22	815	8.32	4.1	67.2	4.1	62.8	0	
2006-Oct-30	5:23	728	8.32	4.2	69.3	4.3	64.9	0	
2006-Oct-30	5:23	641	8.32	4.3	71.4	4.3	67.0	0	
2006-Oct-30	5:24	1726	8.33	0.0	71.9	0.0	67.4	0	
2006-Oct-30	5:24	1730	8.33	0.0	71.9	0.0	67.4	0	
2006-Oct-30	5:25	1735	8.33	0.0	71.9	0.0	67.4	0	
2006-Oct-30	5:25	-9	8.32	0.0	71.9	0.0	67.4	0	
2006-Oct-30	5:26	-5	8.32	0.0	71.9	0.0	67.4	0	
2006-Oct-30	5:26								Reset Total, Vol = 77 bbl by truck
2006-Oct-30	5:26	-5	8.32	0.0	0.0	0.0	0.0	0	
2006-Oct-30	5:26								End Job

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Well KEATING UNIT #2 #4-7		Field PANOMA GAS		Service Date 06303-Oct-30		Customer EXXON MOBIL CORPORATION		Job Number 2205552247	
Date	Time 24 hr clock	CMT TREAT PRES psi	CMT DENS lb/gal	CMT RATE bbl/min	CMT VOL bbl	CMT TPLX RATE bbl/min	CMT TPLX VOL bbl	0	Message
<b>Post Job Summary</b>									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4			5.5	107		6			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1900		800	1700			8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft					
%	108 bbl	75 bbl	°F						
Customer or Authorized Representative Oekerman, Joe			Schlumberger Supervisor Grigoriev, Valery			<input checked="" type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	

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# Cementing Service Report

Customer <b>EXXON MOBIL CORPORATION</b>	Job Number <b>2205552086</b>
--------------------------------------------	---------------------------------

Well <b>KEATING UNIT #2 4-7</b>		Location (legal)		Schlumberger Location <b>Perryton, TX</b>		Job Start <b>2006-Oct-26</b>				
Field <b>PANOMA GAS</b>		Formation Name/Type <b>Dirty-Sandstone</b>		Deviation		Bit Size <b>12.3 in</b>	Well MD <b>640 ft</b>	Well TVD <b>640 ft</b>		
County <b>Stevens</b>		State/Province <b>KS</b>		BHP <b>psi</b>	BHST <b>87 °F</b>	BHCT <b>°F</b>	Pore Press. Gradient <b>psi/ft</b>			
Well Master: <b>0630861343</b>		API / UWI:		Casing/Liner						
Rig Name <b>PIONEER #49</b>		Drilled For <b>Oil &amp; Gas</b>		Service Via <b>Land</b>		Depth, ft <b>632.28</b>	Size, in <b>8.625</b>	Weight, lb/ft <b>32</b>	Grade <b>K-55</b>	Thread
Offshore Zone		Well Class <b>New</b>		Well Type <b>Development</b>		Tubing/Drill Pipe				
Drilling Fluid Type		Max. Density <b>9.2 lb/gal</b>		Plastic Visc <b>cp</b>		Depth,	Size, in	Weight, lb/ft	Grade	Thread
Service Line <b>Cementing</b>		Job Type <b>Cem Surface Casing</b>		Perforations/Open Hole						
Max. Allowed Tubing Pressure <b>1000 psi</b>		Max. Allowed Ann. Pressure <b>psi</b>		Wellhead Connection <b>8 5/8" H&amp;SM</b>		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>
Service Instructions <b>Cement 8 5/8" Surface Casing 210 SKS 35/65 Poz:C + 6%D20 + 2%S1 + 0.125 pps D130 195 SKS Class C + 2%S1+ 0.125 pps D130 Displace with Fresh Water Top out Cement 150 SKS. TAKE 1" SWADGE FOR TOP OUT.</b>						Treat Down <b>Casing</b>	Displacement <b>35.91 bbl</b>		Packer Type	Packer Depth <b>ft</b>
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools			Squeeze Job			
Lift Pressure: <b>210 psi</b>		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type		
No. Centralizers: <b>Top Plugs: 1</b>		Bottom Plugs:		Shoe Depth: <b>ft</b>		Stage Tool Type:		Tool Type:		
Cement Head Type: <b>Single</b>		Job Scheduled For:		Arrived on Location: <b>2006-Oct-26 12:00</b>		Leave Location: <b>2006-Oct-26 17:00</b>		Stage Tool Depth: <b>ft</b>		Tool Depth: <b>ft</b>
Collar Type:		Collar Depth: <b>ft</b>		Tall Pipe Size: <b>in</b>		Tall Pipe Depth: <b>ft</b>		Sqz Total Vol: <b>bbl</b>		
Date	Time	Treating Pressure psi	Density lb/gal	CMT RATE bbl/min	CMT VOL bbl	CS NRD RATE bbl/min	CS NRD TOTAL bbl	0	0	Message
2006-Oct-26	13:40	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:40									Start Job
2006-Oct-26	13:40	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:40									Pressure Test Lines
2006-Oct-26	13:40	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:40									Start Mixing Lead Slurry
2006-Oct-26	13:40	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:40	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:41	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:41	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:42	-5	8.33	0.0	0.0	0.0	0.0	0	0	
2006-Oct-26	13:42	101	8.33	0.6	0.0	0.0	0.4	0	0	
2006-Oct-26	13:43	3154	8.32	0.0	0.1	0.0	0.5	0	0	
2006-Oct-26	13:43	18	8.32	0.0	0.1	0.0	0.5	0	0	
2006-Oct-26	13:44	0	8.34	0.0	0.1	0.0	0.5	0	0	
2006-Oct-26	13:44	64	10.47	0.3	0.1	4.2	1.4	0	0	
2006-Oct-26	13:45	119	13.37	4.8	2.0	4.8	3.6	0	0	
2006-Oct-26	13:45	124	13.11	4.9	4.4	5.0	6.0	0	0	
2006-Oct-26	13:46	110	12.75	5.0	6.9	5.1	8.6	0	0	
2006-Oct-26	13:46	110	12.42	5.0	9.4	5.2	11.2	0	0	
2006-Oct-26	13:47	105	12.33	5.1	11.9	5.3	13.8	0	0	
2006-Oct-26	13:47	114	12.63	5.1	14.5	5.3	16.4	0	0	

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Well		Field		Service Date		Customer		Job Number	
KEATING UNIT #2 #4-7		PANOMA GAS		06299-Oct-26		EXXON MOBIL CORPORATION		2205552086	
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	bbbl/min	bbbl	0	
2006-Oct-26	13:48	119	12.82	5.2	17.0	5.4	19.1	0	
2006-Oct-26	13:48	119	12.82	5.2	19.6	5.4	21.8	0	
2006-Oct-26	13:49	119	12.59	5.3	22.3	5.5	24.5	0	
2006-Oct-26	13:49	119	12.32	5.3	24.9	5.5	27.3	0	
2006-Oct-26	13:50	119	12.44	5.3	27.6	5.6	30.0	0	
2006-Oct-26	13:50	124	12.85	5.4	30.2	5.6	32.8	0	
2006-Oct-26	13:51	124	12.61	5.4	32.9	5.5	35.6	0	
2006-Oct-26	13:51	96	12.50	5.4	35.7	5.1	38.3	0	
2006-Oct-26	13:52	110	12.41	5.4	38.4	5.1	40.8	0	
2006-Oct-26	13:52	124	12.42	5.5	41.1	5.7	43.5	0	
2006-Oct-26	13:53	128	12.52	5.5	43.9	5.8	46.4	0	
2006-Oct-26	13:53	133	12.74	5.5	46.6	5.8	49.2	0	
2006-Oct-26	13:54	133	12.84	5.5	49.4	5.8	52.1	0	
2006-Oct-26	13:54	128	12.79	5.6	52.2	5.9	55.0	0	
2006-Oct-26	13:55	137	12.84	5.6	54.9	5.9	57.9	0	
2006-Oct-26	13:55	137	12.82	5.6	57.7	5.8	60.8	0	
2006-Oct-26	13:56	133	12.72	5.6	60.5	5.8	63.7	0	
2006-Oct-26	13:56	133	12.74	5.6	63.3	5.9	66.6	0	
2006-Oct-26	13:57	142	12.67	5.6	66.2	6.0	69.6	0	
2006-Oct-26	13:57								End Lead Slurry
2006-Oct-26	13:57	133	12.49	5.6	67.6	5.9	71.1	0	
2006-Oct-26	13:57								Start Mixing Tail Slurry
2006-Oct-26	13:57	133	12.35	5.6	67.9	6.0	71.5	0	
2006-Oct-26	13:57	128	12.65	5.6	68.9	6.0	72.6	0	
2006-Oct-26	13:57								Reset Total, Vol = 69.06 bbl
2006-Oct-26	13:57	133	12.80	5.6	69.1	6.0	72.8	0	
2006-Oct-26	13:58	169	14.64	5.6	2.6	5.9	2.8	0	
2006-Oct-26	13:58	179	14.84	5.7	5.5	5.9	5.7	0	
2006-Oct-26	13:59	188	14.87	5.7	8.3	5.9	8.6	0	
2006-Oct-26	13:59	183	14.85	5.7	11.2	5.9	11.6	0	
2006-Oct-26	14:00	183	14.94	5.7	14.0	5.8	14.5	0	
2006-Oct-26	14:00	197	15.33	5.7	16.8	5.9	17.4	0	
2006-Oct-26	14:01	201	15.30	5.7	19.7	5.9	20.4	0	
2006-Oct-26	14:01	183	14.82	5.7	22.6	5.9	23.3	0	
2006-Oct-26	14:02	174	14.76	5.7	25.4	5.9	26.3	0	
2006-Oct-26	14:02	179	14.69	5.7	28.3	5.9	29.2	0	
2006-Oct-26	14:03	179	14.88	5.7	31.2	5.9	32.2	0	
2006-Oct-26	14:03	192	15.01	5.7	34.1	5.9	35.2	0	
2006-Oct-26	14:04	188	15.08	5.8	36.9	6.0	38.1	0	
2006-Oct-26	14:04	183	14.88	5.8	39.8	6.0	41.1	0	
2006-Oct-26	14:05	183	14.66	5.8	42.7	6.0	44.1	0	
2006-Oct-26	14:05	119	15.98	3.7	44.8	4.1	46.4	0	
2006-Oct-26	14:06								End Tail Slurry
2006-Oct-26	14:06	-18	15.92	0.0	45.7	0.1	47.7	0	
2006-Oct-26	14:06	-18	15.92	0.0	45.7	0.1	47.7	0	
2006-Oct-26	14:06								Drop Top Plug
2006-Oct-26	14:06	-18	15.92	0.0	45.7	0.0	47.7	0	
2006-Oct-26	14:06								Start Displacement
2006-Oct-26	14:06	-18	15.92	0.0	45.7	0.0	47.7	0	
2006-Oct-26	14:06								Reset Total, Vol = 25.67 bbl
2006-Oct-26	14:06	-18	15.92	0.0	0.0	0.0	0.0	0	
2006-Oct-26	14:06	-18	15.92	0.0	0.0	0.0	0.0	0	
2006-Oct-26	14:07	-14	13.46	0.0	0.0	0.1	0.0	0	
2006-Oct-26	14:07	-18	11.95	0.0	0.0	0.0	0.0	0	

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Well		Field			Service Date		Customer		Job Number	
KEATING UNIT #2 #4-7		PANOMA GAS			06299-Oct-26		EXXON MOBIL CORPORATION		2205552086	
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl			
2006-Oct-26	14:08	-14	9.33	0.0	0.0	0.6	0.6	0		
2006-Oct-26	14:08	73	9.16	3.6	0.1	3.2	1.1	0		
2006-Oct-26	14:09	69	9.15	4.2	2.3	5.1	3.5	0		
2006-Oct-26	14:09	69	9.12	4.3	4.4	5.1	6.1	0		
2006-Oct-26	14:10	60	8.42	4.3	6.6	4.8	8.5	0		
2006-Oct-26	14:10	78	8.36	4.7	8.8	4.9	10.9	0		
2006-Oct-26	14:11	64	8.28	4.8	11.2	5.0	13.4	0		
2006-Oct-26	14:11	82	8.37	4.8	13.6	5.7	15.9	0		
2006-Oct-26	14:12	101	8.32	4.8	16.0	4.9	18.4	0		
2006-Oct-26	14:12	110	8.32	4.8	18.3	4.9	20.8	0		
2006-Oct-26	14:13	133	8.33	4.8	20.7	4.9	23.3	0		
2006-Oct-26	14:13	137	8.33	4.8	23.1	4.9	25.7	0		
2006-Oct-26	14:14	156	8.32	4.8	25.5	4.9	28.1	0		
2006-Oct-26	14:14	146	8.33	3.7	27.8	4.0	30.5	0		
2006-Oct-26	14:15	174	8.33	2.7	29.3	2.7	32.1	0		
2006-Oct-26	14:15	165	8.33	2.7	30.6	2.7	33.4	0		
2006-Oct-26	14:16	165	8.33	2.7	31.9	2.7	34.8	0		
2006-Oct-26	14:16	197	8.33	2.7	33.2	2.7	36.1	0		
2006-Oct-26	14:17	1126	8.33	0.0	34.5	1.8	37.5	0		
2006-Oct-26	14:17	1108	8.33	0.0	34.5	0.0	37.5	0		
2006-Oct-26	14:18	-9	8.33	0.0	34.5	0.0	37.5	0		
2006-Oct-26	14:18	-9	8.33	0.0	34.5	0.0	37.5	0		
2006-Oct-26	14:19	0	8.33	0.0	34.5	0.1	37.5	0		
2006-Oct-26	14:19									Reset Total, Vol = 34.49 bbl
2006-Oct-26	14:19	69	8.33	0.0	0.0	0.1	0.0	0		
2006-Oct-26	14:19	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:20	307	8.32	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:20	307	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:21	307	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:21	307	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:22	307	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:22	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:23	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:23	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:24	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:24	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:25	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:25	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:26	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:26	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:27	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:27	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:28	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:28	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:29	311	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:29	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:30	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:30	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:31	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:31	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:32	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:32	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:33	316	8.33	0.0	0.0	0.0	0.1	0		
2006-Oct-26	14:33	316	8.33	0.0	0.0	0.0	0.1	0		

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Well		Field		Service Date		Customer		Job Number		
KEATING UNIT #2 #4-7		PANOMA GAS		06299-Oct-26		EXXON MOBIL CORPORATION		2205552086		
Date	Time	Treating Pressure KPS psi	Density lb/gal	CMT RATE bbl/min	CMT VOL bbl	CS NRD RATE bbl/min	CS NRD TOTAL bbl	0	0	Message
2006-Oct-26	14:34	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:34	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:35	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:35	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:36	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:36	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:37	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:37	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:38	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:38	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:39	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:39	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:40	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:40	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:41	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:41	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:42	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:42	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:43	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:43	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:44	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:44	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:45	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:45	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:46	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:46	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:47	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:47	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:48	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:48	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:49	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:49	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:50	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:50	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:51	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:51	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:52	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:52	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:53	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:53	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:54	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:54	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:55	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:55	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:56	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:56	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:57	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:57	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:58	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:58	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:59	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	14:59	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	15:00	316	8.33	0.0	0.0	0.0	0.1	0	0	
2006-Oct-26	15:00	316	8.33	0.0	0.0	0.0	0.1	0	0	

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Well		Field		Service Date		Customer		Job Number	
KEATING UNIT #2 #4-7		PANOMA GAS		06299-Oct-26		EXXON MOBIL CORPORATION		2205552086	
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	Message
	24 hr clock	psf	lb/gal	bbf/min	bbf	bbf/min	bbf	0	
2006-Oct-26	15:01	316	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:01	316	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:02	316	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:02	316	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:03	316	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:43	-9	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:43	-9	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:43								begin top job
2006-Oct-26	15:43	-9	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:44	-9	8.33	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:44	-9	8.35	0.0	0.0	0.0	0.1	0	
2006-Oct-26	15:45	-9	8.28	0.0	0.0	3.2	1.4	0	
2006-Oct-26	15:45	-9	8.27	0.0	0.0	3.2	3.0	0	
2006-Oct-26	15:46	-9	8.28	0.0	0.0	3.2	4.6	0	
2006-Oct-26	15:46	-9	8.45	0.0	0.0	3.2	6.2	0	
2006-Oct-26	15:47	-9	10.40	0.0	0.0	2.8	7.7	0	
2006-Oct-26	15:47	-9	12.82	0.0	0.0	3.0	9.2	0	
2006-Oct-26	15:48	-9	14.50	0.0	0.0	3.0	10.7	0	
2006-Oct-26	15:48	92	15.62	0.0	0.0	1.4	11.8	0	
2006-Oct-26	15:49	96	15.47	0.0	0.0	0.9	12.4	0	
2006-Oct-26	15:49	96	15.24	0.0	0.0	0.9	12.8	0	
2006-Oct-26	15:50	92	15.07	0.0	0.0	0.9	13.3	0	
2006-Oct-26	15:50	92	15.07	0.0	0.0	0.9	13.7	0	
2006-Oct-26	15:51	92	15.07	0.0	0.0	0.9	14.2	0	
2006-Oct-26	15:51	92	14.94	0.0	0.0	1.0	14.7	0	
2006-Oct-26	15:52	92	15.02	0.0	0.0	0.9	15.1	0	
2006-Oct-26	15:52	96	15.26	0.0	0.0	1.0	15.6	0	
2006-Oct-26	15:53	92	14.91	0.0	0.0	1.0	16.1	0	
2006-Oct-26	15:53	92	14.96	0.0	0.0	0.9	16.6	0	
2006-Oct-26	15:54	92	14.88	0.0	0.0	1.0	17.0	0	
2006-Oct-26	15:54	92	14.77	0.0	0.0	1.0	17.5	0	
2006-Oct-26	15:55	92	15.35	0.0	0.0	1.0	18.0	0	
2006-Oct-26	15:55	92	15.12	0.0	0.0	0.9	18.5	0	
2006-Oct-26	15:56	92	14.87	0.0	0.0	0.9	19.0	0	
2006-Oct-26	15:56	92	15.04	0.0	0.0	1.0	19.4	0	
2006-Oct-26	15:57	92	15.04	0.0	0.0	1.0	19.9	0	
2006-Oct-26	15:57	92	15.38	0.0	0.0	1.0	20.4	0	
2006-Oct-26	15:58	92	14.92	0.0	0.0	0.9	20.9	0	
2006-Oct-26	15:58	92	15.04	0.0	0.0	0.9	21.3	0	
2006-Oct-26	15:59	92	15.04	0.0	0.0	1.0	21.8	0	
2006-Oct-26	15:59	92	15.04	0.0	0.0	0.9	22.3	0	
2006-Oct-26	16:00	92	15.04	0.0	0.0	1.0	22.7	0	
2006-Oct-26	16:00	92	15.17	0.0	0.0	1.0	23.2	0	
2006-Oct-26	16:01	92	15.40	0.0	0.0	0.9	23.7	0	
2006-Oct-26	16:01	92	15.23	0.0	0.0	0.9	24.2	0	
2006-Oct-26	16:02	92	15.35	0.0	0.0	0.9	24.6	0	
2006-Oct-26	16:02	92	14.96	0.0	0.0	0.9	25.1	0	
2006-Oct-26	16:03	96	15.40	0.0	0.0	0.9	25.5	0	
2006-Oct-26	16:03	96	15.30	0.0	0.0	1.0	26.0	0	
2006-Oct-26	16:04	92	15.00	0.0	0.0	0.9	26.5	0	
2006-Oct-26	16:04	92	15.00	0.0	0.0	0.9	26.9	0	
2006-Oct-26	16:05	92	15.00	0.0	0.0	1.0	27.4	0	
2006-Oct-26	16:05	92	15.00	0.0	0.0	1.0	27.9	0	
2006-Oct-26	16:06	92	15.15	0.0	0.0	1.0	28.4	0	

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CONSERVATION DIVISION  
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Well		Field		Service Date		Customer		Job Number	
KEATING UNIT #2 #4-7		PANOMA GAS		06299-Oct-26		EXXON MOBIL CORPORATION		2205552086	
Date	Time 24 hr clock	Treating Pressure psi	Density lb/gal	CMT RATE bbl/min	CMT VOL bbl	CS NRD RATE bbl/min	CS NRD TOTAL bbl	0	Message
2006-Oct-26	16:06	92	15.07	0.0	0.0	0.9	28.8	0	
2006-Oct-26	16:07	92	15.35	0.0	0.0	0.9	29.3	0	
2006-Oct-26	16:07	92	14.91	0.0	0.0	0.9	29.8	0	
2006-Oct-26	16:08	92	15.25	0.0	0.0	0.9	30.2	0	
2006-Oct-26	16:08	92	14.97	0.0	0.0	0.9	30.7	0	
2006-Oct-26	16:09	92	15.18	0.0	0.0	0.9	31.2	0	
2006-Oct-26	16:09	92	14.85	0.0	0.0	0.9	31.7	0	
2006-Oct-26	16:10	92	14.85	0.0	0.0	0.9	32.1	0	
2006-Oct-26	16:10	92	14.85	0.0	0.0	0.9	32.6	0	
2006-Oct-26	16:11	92	15.08	0.0	0.0	1.0	33.1	0	
2006-Oct-26	16:11	92	15.14	0.0	0.0	0.9	33.6	0	
2006-Oct-26	16:12	119	15.13	0.0	0.0	1.1	34.1	0	
2006-Oct-26	16:12	119	15.14	0.0	0.0	1.0	34.6	0	
2006-Oct-26	16:13	119	15.14	0.0	0.0	1.0	35.1	0	
2006-Oct-26	16:13	119	15.13	0.0	0.0	1.1	35.6	0	
2006-Oct-26	16:14	119	15.10	0.0	0.0	1.0	36.1	0	
2006-Oct-26	16:14	119	15.08	0.0	0.0	0.9	36.6	0	
2006-Oct-26	16:15	114	14.99	0.0	0.0	1.0	37.1	0	
2006-Oct-26	16:15	-14	14.69	0.0	0.0	0.0	37.5	0	

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2		Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
4				5.5	146		10		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average		Bump Plug to	Breakdown	Volume		Density	
210		100		1100		bbl		8.34 lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement		Mix Water Temp	Cement Circulated to Surface?		Volume	
%	146 bbl		35.91 bbl		°F	<input type="checkbox"/>		bbl	
Customer or Authorized Representative			Schlumberger Supervisor			Washed Thru Perfs		To	
Oekerman, Joe			Flanagan, Patrick			<input type="checkbox"/>		ft	
					<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed		

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CONSERVATION DIVISION  
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