

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

OCT -3 2006

WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

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. _____
5/26/06 5/31/06 8/3/06
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

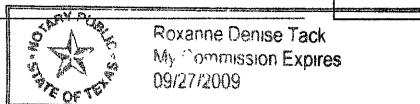
API No. 15 - 189-22513-00-00
County: Stevens
 - - C - NW Sec. 8 Twp. 32 S. R. 35 East West
1250 feet from S (circle one) Line of Section
1250 feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE (circle one) NW SW
Lease Name: Keating Well #: 5-8
Field Name: Panoma
Producing Formation: Council Grove
Elevation: Ground: 3010' Kelly Bushing: 3021'
Total Depth: 3270' Plug Back Total Depth: 3151'
Amount of Surface Pipe Set and Cemented at 614 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
(Data must be collected from the Reserve Pit)
Chloride content 3700 ppm Fluid volume 4290 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 P. Davis
Title: Support Staff Ofc Asst Date: 10/2/06
Subscribed and sworn to before me this 2ND day of October,
2006.
Notary Public: Roxanne Denise Tack
Date Commission Expires: 09/27/2009


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

Operator Name: ExxonMobil Oil Corporation Lease Name: Keating Well #: 5-8
 Sec. 8 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 (Attach Additional Sheets) 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 (Submit Copy) List All E. Logs Run: Array Induction/SP Linear Correlation/Gamma Ray Compensated Neutron Log Litho-Density/Gamma Ray	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Herrington</td> <td>2610'</td> <td>3010'</td> </tr> <tr> <td>Winfield</td> <td>2716'</td> <td>3010'</td> </tr> <tr> <td>Ft. Riley</td> <td>2825'</td> <td>3010'</td> </tr> <tr> <td>CGA</td> <td>2948'</td> <td>3010'</td> </tr> <tr> <td>CGC</td> <td>3150'</td> <td>3010'</td> </tr> </table>	Name	Top	Datum	Herrington	2610'	3010'	Winfield	2716'	3010'	Ft. Riley	2825'	3010'	CGA	2948'	3010'	CGC	3150'	3010'
Name	Top	Datum																	
Herrington	2610'	3010'																	
Winfield	2716'	3010'																	
Ft. Riley	2825'	3010'																	
CGA	2948'	3010'																	
CGC	3150'	3010'																	

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 1/4"	8 5/8"	32	614'	Class C	470	35/65 Poz C
production	7 7/8"	5 1/2"	15.5	3238	35:65 Poz C	195	6%D20, 2%S1
					Class H	160	10%D44 & D53

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
2	2960' - 2990'	500 gal 15% HCL & gelled water spacer	2960'-90'
		659 bbls gelled water & 182,700 lbs	
		16 - 30 sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 3/8"	3008'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
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
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Sumit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

Schlumberger

Company: ExxonMobil Production Company

Well: Keating 5-8

Field: Hugoton

County: Stevens

State: Kansas

PLATFORM EXPRESS
COMPENSATED NEUTRON LOG
LITHO-DENSITY / GAMMA RAY

1250' FWL & 1250' FNL

Elev.: K.B. 3021 ft
 G.L. 3010 ft
 D.F. 3019 ft

Permanent Datum: GROUND LEVEL Elev.: 3010 ft
 Log Measured From: KELLY BUSHING 11.0 ft above Perm. Datum
 Drilling Measured From: KELLY BUSHING

API Serial No. 189-22513-0000 Section 8 Township 32S Range 35W

County: Stevens
 Field: Hugoton
 Location: 1250' FWL & 1250' FNL
 Well: Keating 5-8
 Company: ExxonMobil Production Company

LOCATION

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Logging Date	29-May-2006		
Run Number	1		
Depth Driller	3270 ft		
Schlumberger Depth	3266 ft		
Bottom Log Interval	3235 ft		
Top Log Interval	614 ft		
Casing Driller Size @ Depth	9.625 in	@	614 ft
Casing Schlumberger	614 ft		
Bit Size	7.875 in		
Type Fluid In Hole	Water Based		
Density	Viscosity	9.4 lbm/gal	34 s
Fluid Loss	PH	20 cm3	
Source Of Sample	Mud Pit		
RM @ Measured Temperature	0.306 ohm.m	@	73 degF
RMF @ Measured Temperature	0.229 ohm.m	@	73 degF
RMC @ Measured Temperature	0.459 ohm.m	@	73 degF
Source RMF	RMC	Calculated	Calculated
RM @ MRT	RMF @ MRT	0.224 @ 102	0.168 @ 102
Maximum Recorded Temperatures	102 degF		
Circulation Stopped	Time	29-May-2006	12:30
Logger On Bottom	Time	29-May-2006	16:30
Unit Number	Location	2038	Liberal, KS
Recorded By	Juan C Garcia		
Witnessed By	Erick Dillenbeck		

Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth		@	
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density	Viscosity		
Fluid Loss	PH		
Source Of Sample			
RM @ Measured Temperature		@	
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time		
Logger On Bottom	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

Run 1 Run 2



Cementing Service Report

Customer EXXON MOBIL CORPORATION				Job Number 2205551101			
Well KEATING 5-B		Location (Legal) Sec 8-T32S-R35W		Schlumberger Location Perryton, TX		Job Start 2006-May-27	
Field PANOMA GAS		Formation Name/Type		Deviation		BH Size 12.3 in	
County STEVENS		State/Province KANSAS		Well MD 620 ft		Well TVD 620 ft	
Well Master 0630801978		API / UWI 15189225130000		BHP psi		BHST 88 °F	
Rig Name Pioneer #49		Drilled For Gas		Service via Land		BHCT °F	
Offshore Zone		Well Class New		Well Type Development		Pore Press. Gradient psi/ft	
Drilling Fluid Type Bentonite		Max Density 9 lb/gal		Plastic Vh. cp 25		Casing/Liner	
Service Line Cementing		Job Type Cem Surface Casing		Depth, ft 620		Size, in 8.625	
Max. Allowed Tubing Pressure 1500 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 8 5/8" H&SM		Weight, lbm 32	
Service Instructions Cement 8 5/8" Surface Casing 275 SKS 35/65 Pac: C + 6% D20 + 2% S1 + 0.125 pps D130 195 SKS Class C + 0.125 pps D130 Displace With Fresh Water Top out Cement 150 SKS. TAKE 1" SWADGE FOR TOP OUT.				Depth, ft		Grade	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hour Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Perforations/Open Hole		Thread	
Lift Pressure 313 psi		Pipe Retained <input type="checkbox"/>		Pipe Reapproposed <input type="checkbox"/>		Top, ft	
No. Centralizers 5		Top Plugs 1		Bottom Plugs		Bottom, ft	
Cement Head Type Single		Arrived on Location 2006-May-27 18:30		Leave Location 2006-May-27 22:30		No. of Shots	
Job Scheduled For						Total Interval ft	
						Diameter in	
						Yeast Down	
						Displacement bbl	
						Packer Type	
						Packer Depth ft	
						Tubing Vol bbl	
						Casing Vol 39 bbl	
						Annular Vol bbl	
						Openhole Vol bbl	
						Casing Tools	
						Squeeze Job	
						Sleeve Type	
						Guide	
						Sleeve Depth 617 ft	
						Tool Type	
						Tool Depth ft	
						Tail Pipe Size in	
						Tail Pipe Depth ft	
						Collar Type Float	
						Collar Depth 529 ft	
						Sqt Total Vol bbl	

Date	Time	Treating Pressure	Flow Rate	Density	CMV BYG VOL	CMV VOL	g	g	Message
	24 hr clock	psi	bbbl/min	lb/gal	lbt	bol	0	0	
2006-May-27	17:50	-3750	0.0	8.25	0.0	0.0	0	0	
2006-May-27	17:50								Pressure Test Lines
2006-May-27	18:00	5	0.0	8.26	0.1	0.1	0	0	
2006-May-27	18:00	5	0.0	8.26	0.1	0.1	0	0	
2006-May-27	18:01	0	0.0	8.26	0.1	0.1	0	0	
2006-May-27	18:01	5	0.0	8.26	0.1	0.1	0	0	
2006-May-27	18:02	5	0.0	8.25	0.1	0.1	0	0	
2006-May-27	18:02	5	0.0	8.25	0.1	0.1	0	0	
2006-May-27	18:03	1117	0.0	8.25	0.1	0.1	0	0	
2006-May-27	18:03	1053	0.0	8.25	0.1	0.1	0	0	
2006-May-27	18:04	2380	0.0	8.25	0.1	0.1	0	0	
2006-May-27	18:04	2300	0.0	8.25	0.1	0.1	0	0	
2006-May-27	18:05	1363	0.0	8.25	0.1	0.1	0	0	
2006-May-27	18:10								Start Pumping Wash
2006-May-27	18:21	27	6.8	8.24	4.9	4.9	0	0	
2006-May-27	18:21	48	5.5	8.22	8.2	8.2	0	0	
2006-May-27	18:22	55	6.6	8.52	11.5	11.5	0	0	
2006-May-27	18:22	55	6.6	8.55	11.6	11.6	0	0	
2006-May-27	18:22								Recvd Total Vol - 11.75 bbl
2006-May-27	18:22								End Wash
2006-May-27	18:22	55	6.8	8.80	0.2	0.2	0	0	
2006-May-27	18:22	64	6.9	9.06	0.4	0.4	0	0	

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Well			Formation		Service Data		Customer		Job Number
KEATING #5-B			PANOMA GAS		06147-May-27		EXXON MOBIL CORPORATION		2206651101
Date	Time	Trailing Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	bbbl	0	0	
2006-May-27	18:22								Start Mixing Lead Slurry
2006-May-27	18:22	101	6.6	10.02	3.1	3.1	0	0	
2006-May-27	18:23	87	6.6	10.26	6.4	6.4	0	0	
2006-May-27	18:23	133	6.6	11.55	9.7	9.7	0	0	
2006-May-27	18:24	133	6.6	12.25	13.0	13.0	0	0	
2006-May-27	18:24	160	6.6	13.32	16.3	16.3	0	0	
2006-May-27	18:25	169	6.6	13.46	19.6	19.6	0	0	
2006-May-27	18:26	124	6.6	12.48	22.9	22.9	0	0	
2006-May-27	18:26	128	6.6	12.98	26.2	26.2	0	0	
2006-May-27	18:26	105	6.6	12.05	29.5	29.5	0	0	
2006-May-27	18:27	137	6.6	12.89	32.8	32.8	0	0	
2006-May-27	18:27	142	6.6	12.83	36.1	36.1	0	0	
2006-May-27	18:28	137	6.6	12.73	39.4	39.4	0	0	
2006-May-27	18:28	137	6.6	12.65	42.7	42.7	0	0	
2006-May-27	18:28	128	6.6	12.53	46.0	46.0	0	0	
2006-May-27	18:29	114	6.6	12.02	49.3	49.3	0	0	
2006-May-27	18:30	114	6.6	12.23	52.6	52.6	0	0	
2006-May-27	18:30	124	6.6	12.43	55.9	55.9	0	0	
2006-May-27	18:31	101	6.6	12.72	59.4	59.4	0	0	
2006-May-27	18:31	101	6.6	12.77	62.7	62.7	0	0	
2006-May-27	18:32	103	6.6	12.58	66.0	66.0	0	0	
2006-May-27	18:32	108	6.6	12.38	69.3	69.3	0	0	
2006-May-27	18:33	119	6.6	12.38	72.6	72.6	0	0	
2006-May-27	18:33	142	6.6	12.27	75.9	75.9	0	0	
2006-May-27	18:34	142	6.6	12.53	79.2	79.2	0	0	
2006-May-27	18:34	124	6.6	12.50	82.5	82.5	0	0	
2006-May-27	18:35	124	6.6	12.70	85.8	85.8	0	0	
2006-May-27	18:35	142	6.6	12.70	89.1	89.1	0	0	
2006-May-27	18:36	151	6.7	12.56	92.4	92.4	0	0	
2006-May-27	18:36	124	6.6	12.67	95.7	95.7	0	0	
2006-May-27	18:37	78	6.2	13.13	98.5	98.5	0	0	
2006-May-27	18:37	119	6.7	14.46	100.7	100.7	0	0	End Lead Slurry
2006-May-27	18:37	120	6.7	14.37	100.8	100.8	0	0	
2006-May-27	18:37								Flow / Total Vol = 100.89 bbl
2006-May-27	18:37	119	6.2	14.53	9.1	9.1	0	0	
2006-May-27	18:37	178	5.1	14.55	0.7	0.7	0	0	Start Mixing Tail Slurry
2006-May-27	18:38	169	5.2	15.03	2.6	2.6	0	0	
2006-May-27	18:38	150	5.0	14.87	5.3	5.3	0	0	
2006-May-27	18:38	151	5.1	14.94	7.9	7.9	0	0	
2006-May-27	18:38	156	5.0	15.08	10.5	10.5	0	0	
2006-May-27	18:40	151	5.2	14.87	13.1	13.1	0	0	
2006-May-27	18:40	147	5.0	14.78	15.7	15.7	0	0	
2006-May-27	18:41	157	5.0	14.75	18.3	18.3	0	0	
2006-May-27	18:41	157	5.0	14.75	21.0	21.0	0	0	
2006-May-27	18:42	142	5.1	14.97	23.5	23.5	0	0	
2006-May-27	18:42	147	5.0	14.88	26.1	26.1	0	0	
2006-May-27	18:43	142	5.0	15.07	28.7	28.7	0	0	
2006-May-27	18:43	128	5.0	15.28	31.3	31.3	0	0	
2006-May-27	18:44	128	5.1	14.70	33.9	33.9	0	0	
2006-May-27	18:44	128	5.0	14.80	36.5	36.5	0	0	
2006-May-27	18:45	128	5.0	14.86	39.1	39.1	0	0	
2006-May-27	18:45	77	5.0	14.17	41.7	41.7	0	0	

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Well			Service Date				Customer		Job Number	
KEARNEY #5-B			PANOMA GAS				06/27-May-27		EXXON MOBIL INTERNATIONAL	220661102
Date	Time	Tracing Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	a	b	Message	
	24 hr clock	psi	cc/min	lb/gal	bbl	bbl	0	0		
2006-May-27	18:48	-23	0.0	8.76	42.1	42.1	0	0		
2006-May-27	18:46	-23	0.0	2.50	42.1	42.1	0	0		
2006-May-27	18:47	-18	0.0	11.98	42.1	42.1	0	0		
2006-May-27	18:47	-18	0.0	9.17	42.1	42.1	0	0	Reset Total, Vol = 42.06 bbl	
2006-May-27	18:47	-18	0.0	9.15	0.0	0.0	0	0		
2006-May-27	18:47	-18	0.0	9.15	0.0	0.0	0	0	End Tail Slurry	
2006-May-27	18:47	-18	0.0	9.15	0.0	0.0	0	0	Drop Top Plug	
2006-May-27	18:47	-18	0.0	9.15	0.0	0.0	0	0	Start Displacement	
2006-May-27	18:47	-18	0.0	9.10	0.0	0.0	0	0		
2006-May-27	18:46	-18	0.0	0.93	0.0	0.0	0	0		
2006-May-27	18:48	-18	0.0	2.50	0.0	0.0	0	0		
2006-May-27	18:49	-18	0.0	0.69	0.0	0.0	0	0		
2006-May-27	18:49	-18	0.0	8.11	0.0	0.0	0	0		
2006-May-27	18:50	-17	0.0	8.45	1.1	3.2	0	0		
2006-May-27	18:50	-17	0.0	8.30	1.0	3.0	0	0		
2006-May-27	18:51	-18	0.0	8.30	5.9	5.9	0	0		
2006-May-27	18:51	-18	0.0	8.21	1.1	3.2	0	0		
2006-May-27	18:52	-18	0.0	8.25	9.2	9.2	0	0		
2006-May-27	18:52	-18	0.0	8.27	11.0	11.0	0	0		
2006-May-27	18:53	-18	0.0	8.25	15.8	15.8	0	0		
2006-May-27	18:53	-18	0.0	8.25	19.7	19.7	0	0		
2006-May-27	18:54	-18	0.0	8.26	21.5	21.5	0	0		
2006-May-27	18:54	-18	0.0	8.26	22.9	22.9	0	0		
2006-May-27	18:55	-18	0.0	8.26	24.2	24.2	0	0		
2006-May-27	18:55	-18	0.0	8.26	25.5	25.5	0	0		
2006-May-27	18:55	-18	0.0	8.26	26.8	26.8	0	0		
2006-May-27	18:56	-18	0.0	8.26	28.1	28.1	0	0		
2006-May-27	18:57	-18	0.0	8.26	29.5	29.5	0	0		
2006-May-27	18:57	-18	0.0	8.26	30.8	30.8	0	0		
2006-May-27	18:58	-18	0.0	8.26	32.1	32.1	0	0		
2006-May-27	18:59	-18	0.0	8.26	33.4	33.4	0	0	Impact the plug	
2006-May-27	18:59	-18	0.0	8.26	34.7	34.7	0	0	Speed off Pressure	
2006-May-27	18:59	-18	0.0	8.26	36.0	36.0	0	0	Clear well	
2006-May-27	19:00	-17	0.0	8.26	37.3	37.3	0	0	End Displacement 32 MPa, mark	
2006-May-27	19:00	-17	0.0	8.26	38.6	38.6	0	0	Put pressure on the casing for 30 min	
2006-May-27	19:01	142	0.2	8.26	39.9	39.9	0	0		
2006-May-27	19:01	270	0.0	8.26	41.2	41.2	0	0		
2006-May-27	19:02	275	0.0	8.26	42.5	42.5	0	0		
2006-May-27	19:02	275	0.0	8.26	43.8	43.8	0	0		
2006-May-27	19:03	274	0.0	8.26	45.1	45.1	0	0		
2006-May-27	19:03	274	0.0	8.26	46.4	46.4	0	0		
2006-May-27	19:04	274	0.0	8.26	47.7	47.7	0	0		
2006-May-27	19:04	284	0.0	8.26	49.0	49.0	0	0		
2006-May-27	19:04	284	0.0	8.26	50.3	50.3	0	0		
2006-May-27	19:05	284	0.0	8.26	51.6	51.6	0	0		
2006-May-27	19:06	288	0.0	8.26	52.9	52.9	0	0		
2006-May-27	19:06	288	0.0	8.26	54.2	54.2	0	0		
2006-May-27	19:07	288	0.0	8.26	55.5	55.5	0	0		
2006-May-27	19:07	288	0.0	8.26	56.8	56.8	0	0		

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HEATING OILS			PROPANE GAS		SHUT May-27		BERLIN MOBILE CORPORATION		1206821707
Date	Time	Trucking Pressure	Flow Rate	Density	CMF (100 GAL)	CMF (1000)	1	2	Message
	24 Hr. Total	PSI	gpm	lb/gal	gal	MM	0	0	
2006-May-27	21:25	0	0.0	8.25	0.0	0.0	0	0	Perform customer lines pressure test
2006-May-27	21:31	1405	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:31	1314	0.0	8.26	0.0	0.0	0	0	
2006-May-27	21:32	1300	0.0	8.26	0.0	0.0	0	0	
2006-May-27	21:32	2204	0.0	8.26	0.0	0.0	0	0	
2006-May-27	21:33	2257	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:33	2300	0.0	8.26	0.0	0.0	0	0	
2006-May-27	21:34	2366	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:34	2307	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:35	2653	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:35	2648	0.0	8.27	0.0	0.0	0	0	
2006-May-27	21:36	2340	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:37	2323	0.0	8.26	0.0	0.0	0	0	
2006-May-27	21:37	2345	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:37	2377	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:38	2375	0.0	8.26	0.0	0.0	0	0	
2006-May-27	21:38	2375	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:39	9	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:39	9	0.0	8.25	0.0	0.0	0	0	Reset Total 1/2 - 2.00 gal
2006-May-27	21:39	9	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:40	9	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:40	9	0.0	8.25	0.0	0.0	0	0	End Job
2006-May-27	21:40	9	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:40	9	0.0	8.25	0.0	0.0	0	0	
2006-May-27	21:41	0	0.0	8.24	0.0	0.0	0	0	
2006-May-27	21:41	0	0.0	8.23	0.0	0.0	0	0	
2006-May-27	21:42	0	0.0	8.21	0.0	0.0	0	0	
2006-May-27	21:42	0	0.0	8.19	0.0	0.0	0	0	
2006-May-27	21:43	14	0.0	8.15	0.0	0.0	0	0	
2006-May-27	21:44	14	0.0	8.12	0.0	0.0	0	0	
2006-May-27	21:44	14	0.0	8.09	0.0	0.0	0	0	
2006-May-27	21:44	14	0.0	8.07	0.0	0.0	0	0	
2006-May-27	21:45	14	0.0	8.05	0.0	0.0	0	0	
2006-May-27	21:45	14	0.0	7.98	0.0	0.0	0	0	
2006-May-27	21:45	14	0.0	7.95	0.0	0.0	0	0	
2006-May-27	21:45	14	0.0	7.94	0.0	0.0	0	0	
2006-May-27	21:47	14	0.0	7.97	0.0	0.0	0	0	
2006-May-27	21:47	14	0.0	7.97	0.0	0.0	0	0	
2006-May-27	21:48	9	0.0	7.92	0.0	0.0	0	0	
2006-May-27	21:48	9	0.0	7.92	0.0	0.0	0	0	
2006-May-27	21:48	9	0.0	7.97	0.0	0.0	0	0	
2006-May-27	21:48	9	0.0	7.97	0.0	0.0	0	0	
2006-May-27	21:50	9	0.0	7.99	0.0	0.0	0	0	
2006-May-27	21:50	9	0.0	7.97	0.0	0.0	0	0	

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Well Name KEATINGE 05-0			Field PANOMA GAS			Migration Date 08/17-May-27		Customer EXXON MOBIL CORPORATION			Job Number 220004-1104				
Date	Time	Treating Pressure	Flow Rate	Density	Cap. STC VOL	CMT VOL	0	0	Message						
	24 In 650K	psi	gpm	lb/gal	gal	bbt	0	0							
Fract. Jobs Summary						Volume of Fluid Injected, bbl									
Average Pump Rates, bpm			Maximum Rate			Total Slurry			Mud			Spacer			
Slurry			Mud			6.5			141			11			
Treating Pressure Summary, psi						Breakdown Fluid									
Maximum		Average		Bump Plug		Breakdown		Volume			Density				
200		100		500				bbl			8.34 lb/gal				
Avg. N2 Percent		Designed Slurry Volume		Displacement		NH Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface?			Volume				
%		146 bbl		32 bbl		75 °F		<input type="checkbox"/> Washed This Part			To				
											ft				
Operator: Ockerman, Joe						Grigoriev, Valery						<input type="checkbox"/> Circulation Low		<input checked="" type="checkbox"/> Job Completed	

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Cementing Job Report

Well	Keating 5-8	Client	Exxon Mobil
Field		SIR No.	2205551101
Engineer	Valery Grigoriev	Job Type	8 5/8" Surface
Country	United States	Job Date	05-27-2006

Time	Pressure	Rate	Density	Messages
17:50:07				Pressure Test Lines
18:05:00				Start Pumping Wash
18:20:00				Reset Total, Vol = 11.75 bbl End Wash Start Mixing Lead Slurry
18:35:00				End Lead Slurry Reset Total, Vol = 100.09 bbl Start Mixing Tail Slurry
18:50:00				Reset Total, Vol = 42.06 bbl End Tail Slurry Drop Top Plug Start Displacement
19:05:00				
19:20:00				Bump Top Plug End Displacement Reset Total, Vol = 31.33 bbl
19:30:07				
20:10:04				Perform top out job Start water ahead
				Reset Total, Vol = 20.30 bbl Start top out cement
20:40:07				Reset Total, Vol = 26.77 bbl End Top out job
21:20:40				Pressure Test Rig Lines
21:35:00				Reset Total, Vol = 0.09 bbl Pressure test successful End Job
21:51:00				
21:58:51				

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PSI	0 100 200 300 400 500 600 700 800 900 1000	0 10 20 30 40 50 60 70 80 90 100	LB/S	0 10 20 30 40 50 60 70 80 90 100
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Client: Exxon Mobil
 Well Name: Ke J
 Well Number: 5-8
 Legal Location: Sec 8-T328-R35W
 County: Stevens
 State: KS

Job Number: 22055511br
 Job Type: Surface
 Hole Size: 12 1/4
 Casing Size: 8 5/8
 Total Depth: 624
 DV Tool @

Fluid Systems

Mud:	9.7	bbbl					
weight:	9.7	lb/gal					
height:		feet					
Wash:	10	DDI	Water				
weight:	8.35	lb/gal	volumes:	56	cuff	slurry:	10
yield:		cuff/sk	height:	136	feet	water:	10
mix req:		gal/sk					
Lead:	275	skk	35/65 POZAC + 8% D020 + 2% S001 + 0.25 pps D130				
weight:	12.5	lb/gal	volumes:	556	cuff	slurry:	99
yield:	2.02	cuff/sk	height:	1,346	feet	water:	73
mix req:	11.1	gal/sk				Thickening Time:	hr:min
Tail:	195	skk	Class C + 2% S001 + 0.125 pps D130				
weight:	14.5	lb/gal	volumes:	261	cuff	slurry:	47
yield:	1.34	cuff/sk	height:	633	feet	water:	29
mix req:	6.3	gal/sk				Thickening Time:	hr:min
Displacement:	32.22	bbbl	Fresh Water			density	8.33
Total:	32.22	bbbl					

Casing Data

O.D.	8.625	inches	CSG vol:	0.0609	bbbl/ft	Ann. vol:	0.0795	bbbl/ft
I.D.	7.921	inches	OH vol:	0.1458	bbbl/ft		2.4228	ft/cuff
Csg Wt:		Feet	volume			Shoe Joint Length		
0.0609	32	617.00	37.58	bbbls.		Csg: 88.00	feet	
0.077	38		0.00	bbbls.		Shoe:	feet	
0.077	38		0.00	bbbls.		Collar:	feet	

Volumes

Total Depth	624	feet	7.00 Of Rat Hole				
Total Pipe	617	feet	37.58	bbbls.	Open Hole	90.86	bbbls.
Shoe Joint	88	feet	5.36	bbbls.	Annulus	45.36	bbbls.
Float Collar@	529	feet	32.22	bbbls.	Total Water	173	bbbls needed
TOC LEAD	0	ft	Final Diff. Pressure	200	psi		
TOC TAIL	0	ft	Bump Top Plug to	550	psi @ approx	18:10	hours
Excess	100	%	Circulated	70	bbbls to Surface		

Post Job Info

Casing Wt (Air)	10,744	lbs	Casing Area ID	49,2778	sq in.
Hyd PSI(Annulus)	475	psi	Hyd PSI(Casing)	287	psi
Csg Cross Sect.	9.1486	sq in	#VALUE!	287	
Bouyancy	4,344	lbs.	Casing Lift Pressure	313	psi
Hook Load	15,400	lbs	Differential Lift Pressure	178	psi

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Cementing Service Report

Customer EXXON MOBIL CORPORATION				Job Number 2205561147					
Well KEATING 5-8		Location (Legal) Sec 8-T325-R35W		Schlumberger Location Perryton, TX		Job Start 2006-May-31			
Field PANOMA GAS		Formation Name/Type Dirty-Sandstone		Deviation 7.88 in		Well MD 3,270 ft			
County STEVENS		State/Province KANSAS		BHP 110 °F		Flow Press. Gradient 90 °F			
Well Number 0630601878		API / UMW 15169225130000		Casing/Liner					
Rig Name Pioneer #49		Service Via Gas		Depth, ft 3277		Grade X55			
Offshore Zone		Well Class New		Well Type Development		Thread 8RD			
Drilling Fluid Type Bentonite		Max. Density 9 lb/gal		Plastic Viscosity 25		Tubing/Drill Pipe			
Service Line Cementing		Job Type Cem Prod Casing		Perforations/Open Hole					
Max. Allowed Tubing Pressure 1500 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 5 1/2" H&SM		Total Interval ft			
Service Instructions Cement 5 1/2" Production Casing 185 SKS 35.85 Poz C + 6% D20 + 2% S1 + 0.125pps D130 180 SKS Class H + 10% D44(BWOW) + 10% D53 + 0.2% D85 + 0.1% D167 + 0.2% D46 + 0.125pps D130 Displace with 2% KCL				Treat Down Casing		Displacement 76 bbl			
				Tubing Vol. bbl		Packer Type 101 bbl			
				Casing Vol. 78 bbl		Packer Depth ft			
				Annular Vol. 101 bbl		Openhole Vol. 197 bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>					
LIN Pressure: 2100 psi				Shoe Type: Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>				Shoe Depth: 3277 ft		Tool Type			
Pipe Re-rotated <input checked="" type="checkbox"/>				Stage Tool Type		Tool Depth: ft			
No. Centralizers: 24				Top Plug: 1		Bottom Plug			
Cement Head Type: Single				Stage Tool Depth: ft		Tail Pipe Size: in			
Job Scheduled For: 2006-May-30 22:30				Arrived on Location: 2006-May-31 2:00		Leave Location:			
				Collar Type: Auto-Fill		Tail Pipe Depth: ft			
				Collar Depth: 3192 ft		Seq Total Vol: bbl			
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	CMT BTG VOL bbl	CMT VOL bbl	0	0	Message
2006-May-31	0:08	3760	0.0	8.25	0.0	0.0	0	0	
2006-May-31	0:09	0	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:09	0	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:09								Start Job
2006-May-31	0:09	0	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:09								Pressure Test Lines
2006-May-31	0:09	0	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:10	0	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:10	0	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:11	0	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:11	146	1.3	8.32	0.6	0.6	0	0	
2006-May-31	0:12	114	2.0	8.31	1.6	1.6	0	0	
2006-May-31	0:12	27	0.0	8.31	2.2	2.2	0	0	
2006-May-31	0:12								Start Water Ahead
2006-May-31	0:12	110	0.1	8.31	2.2	2.2	0	0	
2006-May-31	0:13	2060	0.2	8.31	2.2	2.2	0	0	
2006-May-31	0:13	1954	0.0	8.31	2.2	2.2	0	0	
2006-May-31	0:14	1927	0.0	8.31	2.2	2.2	0	0	
2006-May-31	0:14	14	0.0	8.32	2.2	2.2	0	0	
2006-May-31	0:15	23	0.0	8.32	2.2	2.2	0	0	
2006-May-31	0:15	192	3.4	8.31	2.6	2.6	0	0	
2006-May-31	0:16	185	3.8	8.31	4.5	4.5	0	0	

MAY-31-2006 19:50 From:

Tr EXXONMOBIL

P. 15

Well		Flow Rate		Service Date		Customer		Job Number	
KEATING #5-B		RANDOM GAS		06151-May-31		EXXON MOBIL CORPORATION		2208661147	
Date	Time	Flow Rate	Density	CMT STG VOL	CMT VOL	Message			
24 hr clock	psi	gal/min	lb/gal	bbf	bbf				
2006-May-31	0:16	215	5.0	8.31	6.7	6.7	0	0	
2006-May-31	0:17	215	5.0	8.31	9.2	9.2	0	0	
2006-May-31	0:17						0	0	Reset Total, Vol = 11.49 bbl
2006-May-31	0:17	229	5.1	9.35	0.3	0.3	0	0	Start Mixing Lead Slurry
2006-May-31	0:17						0	0	
2006-May-31	0:18	247	5.2	11.10	2.8	2.8	0	0	
2006-May-31	0:18	261	5.2	12.35	5.4	5.4	0	0	
2006-May-31	0:19	252	5.1	12.68	8.0	8.0	0	0	
2006-May-31	0:19	421	5.1	13.01	10.4	10.4	0	0	
2006-May-31	0:20	224	4.7	12.85	12.8	12.8	0	0	
2006-May-31	0:20	228	4.8	12.85	15.3	15.3	0	0	
2006-May-31	0:21	224	5.2	12.70	18.1	18.1	0	0	
2006-May-31	0:21	183	6.5	12.48	20.8	20.8	0	0	
2006-May-31	0:22	179	5.5	12.28	23.5	23.5	0	0	
2006-May-31	0:22	156	5.5	12.72	26.3	26.3	0	0	
2006-May-31	0:23	128	5.5	12.84	29.0	29.0	0	0	
2006-May-31	0:23	137	5.5	12.69	31.8	31.8	0	0	
2006-May-31	0:24	133	5.2	12.66	34.5	34.5	0	0	
2006-May-31	0:24	128	5.5	12.62	37.1	37.1	0	0	
2006-May-31	0:25	128	5.4	12.58	39.8	39.8	0	0	
2006-May-31	0:25	128	5.5	12.55	42.5	42.5	0	0	
2006-May-31	0:26	137	5.5	12.81	45.4	45.4	0	0	
2006-May-31	0:26	137	5.5	12.84	48.1	48.1	0	0	
2006-May-31	0:27	128	5.6	12.75	50.9	50.9	0	0	
2006-May-31	0:27	128	5.5	12.78	53.7	53.7	0	0	
2006-May-31	0:28	137	5.8	12.58	56.5	56.5	0	0	
2006-May-31	0:28	142	5.8	12.58	59.3	59.3	0	0	
2006-May-31	0:28	137	5.6	12.58	62.1	62.1	0	0	
2006-May-31	0:29	133	6.7	12.37	64.9	64.9	0	0	
2006-May-31	0:30	137	6.8	13.31	67.8	67.8	0	0	
2006-May-31	0:30						0	0	Reset Total, Vol = 69.00 bbl
2006-May-31	0:30	158	5.6	13.79	69.0	69.0	0	0	End Lead Slurry
2006-May-31	0:30						0	0	
2006-May-31	0:30	180	5.6	13.86	0.1	0.2	0	0	Start Mixing Tail Slurry
2006-May-31	0:30						0	0	
2006-May-31	0:30	156	5.6	13.90	0.1	0.3	0	0	
2006-May-31	0:30	169	5.6	14.05	1.4	1.5	0	0	
2006-May-31	0:31	179	5.8	14.54	4.2	4.4	0	0	
2006-May-31	0:31	165	5.3	14.63	6.9	7.1	0	0	
2006-May-31	0:32	169	5.3	14.99	9.8	9.8	0	0	
2006-May-31	0:32	174	5.3	14.97	12.2	12.4	0	0	
2006-May-31	0:33	174	5.3	14.93	15.0	15.2	0	0	
2006-May-31	0:33	174	5.3	14.96	17.8	17.8	0	0	
2006-May-31	0:34	174	5.3	15.00	20.3	20.5	0	0	
2006-May-31	0:34	180	5.3	15.04	22.8	23.1	0	0	
2006-May-31	0:35	192	5.8	15.02	25.7	25.9	0	0	
2006-May-31	0:35	174	5.3	15.00	28.4	28.6	0	0	
2006-May-31	0:36	174	5.5	15.00	31.1	31.3	0	0	
2006-May-31	0:36	169	5.5	14.95	33.8	34.0	0	0	
2006-May-31	0:37	165	5.4	14.81	36.5	36.6	0	0	
2006-May-31	0:37	174	5.4	15.17	39.1	39.3	0	0	
2006-May-31	0:38	119	4.5	15.14	41.7	41.9	0	0	
2006-May-31	0:38						0	0	Reset Total, Vol = 42.40 bbl

May 31, 2006 WR82 v3 412-5R

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MAY-31-2006 19:50 From:

To: EXXONMOBIL

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Well		Pl.		Service Date			Customer		Job Number
KEATING #5-D		PANOMA GAS		06/01-May-31			EXXON MOBIL CORPORATION		2205001147
Date	Time	Yrating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	g	g	Message
	24 hr clock	psi	bbt/min	lb/gal	bbt	bbt	g	g	
2006-May-31	0:38	-14	0.0	14.47	42.4	42.6	0	0	
2006-May-31	0:38	-14	0.0	14.47	0.0	0.0	0	0	
2006-May-31	0:38								End Tail Slurry
2006-May-31	0:38								Drop Top Plug
2006-May-31	0:38	-14	0.0	14.47	0.0	0.0	0	0	
2006-May-31	0:38								Start Displacement
2006-May-31	0:38	-14	0.0	14.47	0.0	0.0	0	0	
2006-May-31	0:39	-14	0.0	13.95	0.0	0.0	0	0	
2006-May-31	0:39	-14	0.1	12.14	0.0	0.0	0	0	
2006-May-31	0:40	0	0.0	10.76	0.0	0.0	0	0	
2006-May-31	0:40	55	2.2	9.21	0.0	0.0	0	0	
2006-May-31	0:41	243	5.8	9.19	0.0	0.0	0	0	
2006-May-31	0:41	224	0.9	0.11	0.0	0.0	0	0	
2006-May-31	0:42	211	10.4	8.12	0.0	0.0	0	0	
2006-May-31	0:42	208	5.8	8.35	0.0	0.0	0	0	
2006-May-31	0:43	201	5.9	8.32	0.0	0.0	0	0	
2006-May-31	0:43	-9	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:44	-14	0.0	8.32	0.0	0.0	0	0	
2006-May-31	0:44	-14	0.0	8.33	0.0	0.0	0	0	
2006-May-31	0:45	64	5.4	8.31	1.0	1.0	0	0	
2006-May-31	0:45	69	5.6	8.32	3.8	3.8	0	0	
2006-May-31	0:46	69	5.7	8.32	6.8	6.7	0	0	
2006-May-31	0:46	69	5.7	8.32	9.5	9.5	0	0	
2006-May-31	0:47	64	6.7	8.32	12.3	12.3	0	0	
2006-May-31	0:47	64	5.8	8.32	15.2	15.2	0	0	
2006-May-31	0:48	64	5.8	8.32	18.1	18.1	0	0	
2006-May-31	0:48	64	5.8	8.32	21.0	21.0	0	0	
2006-May-31	0:49	64	5.8	8.32	23.9	23.9	0	0	
2006-May-31	0:49	64	5.8	8.32	26.8	26.8	0	0	
2006-May-31	0:50	64	5.8	8.32	29.7	29.7	0	0	
2006-May-31	0:50	64	5.8	8.32	32.6	32.6	0	0	
2006-May-31	0:51	137	5.6	8.32	35.4	35.4	0	0	
2006-May-31	0:51	179	5.5	8.32	38.2	38.2	0	0	
2006-May-31	0:52	215	5.8	8.32	41.0	41.0	0	0	
2006-May-31	0:52	270	5.5	8.32	43.7	43.7	0	0	
2006-May-31	0:53	320	5.5	8.32	46.5	46.5	0	0	
2006-May-31	0:53	371	5.5	8.32	49.2	49.3	0	0	
2006-May-31	0:54	407	5.5	8.32	52.0	52.0	0	0	
2006-May-31	0:54	435	5.6	8.32	54.8	54.8	0	0	
2006-May-31	0:55	481	5.5	8.32	57.6	57.6	0	0	
2006-May-31	0:55	517	6.5	8.32	60.3	60.3	0	0	
2006-May-31	0:56	549	6.8	8.32	63.2	63.2	0	0	
2006-May-31	0:56	591	5.5	8.32	65.9	66.0	0	0	
2006-May-31	0:57	458	2.4	8.32	68.0	68.1	0	0	
2006-May-31	0:57	485	2.3	8.32	69.2	69.2	0	0	
2006-May-31	0:58	504	2.3	8.32	70.3	70.4	0	0	
2006-May-31	0:58	522	2.3	8.32	71.5	71.5	0	0	
2006-May-31	0:59	540	2.3	8.32	72.7	72.8	0	0	
2006-May-31	0:59	554	2.3	8.32	73.9	73.9	0	0	
2006-May-31	1:00	568	2.3	8.32	75.0	75.0	0	0	
2006-May-31	1:00	1087	2.2	8.32	78.1	76.2	0	0	
2006-May-31	1:00	1108	0.0	8.32	78.2	76.3	0	0	
2006-May-31	1:00								Encountered losses 2 bpm on the last 15 bbl

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MAY-31-2006 19:51 From:

To: EXXONMOBIL

P.17

Well			Flow		Service Date		Customer		Job Number
WEGATING #5.8			RANOMA GAS		05/31-May-31		EXXON MOBIL CORPORATION		2205021147
Date	Time	Trailing Pressure	Flow Rate	Reflow	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	scfm/min	lb/gal	bbt	bbt	0	0	
2006-May-31	1:01	1117	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:01	1112	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:02	1112	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:02	1117	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:03	1117	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:03	1117	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:04	1122	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:04	1122	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:05	1126	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:05	1126	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:06	1126	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:06	-14	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:07	-14	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:07								Reset Total Vol = 76.24 bbl
2006-May-31	1:07	-14	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:07	-14	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:07								Bump Top Plug
2006-May-31	1:07								and Displacement
2006-May-31	1:07	-14	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:07	-14	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:08	-14	0.0	8.32	76.2	76.3	0	0	
2006-May-31	1:08	-14	0.0	8.32	0.0	0.0	0	0	Float held
2006-May-31	1:08	-14	0.0	8.32	0.0	0.0	0	0	

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4			5.7	111		11			

Trailing Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
550		300	1500			8.34 lb/gal			

Avg. N2 Percent	Designated Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface?	Volume
%	114 bbl	75 bbl	70 °F	<input type="checkbox"/> Washed Thru Perfs	ft

Customer or Authorized Representative	Schlumberger Supervisor	<input checked="" type="checkbox"/> Circulation Lost	<input checked="" type="checkbox"/> Job Completed
Crow, Dan	Grigoriev, Valeriy		

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MHY-31-2006 19:52 From:

10 EXXONMOBIL

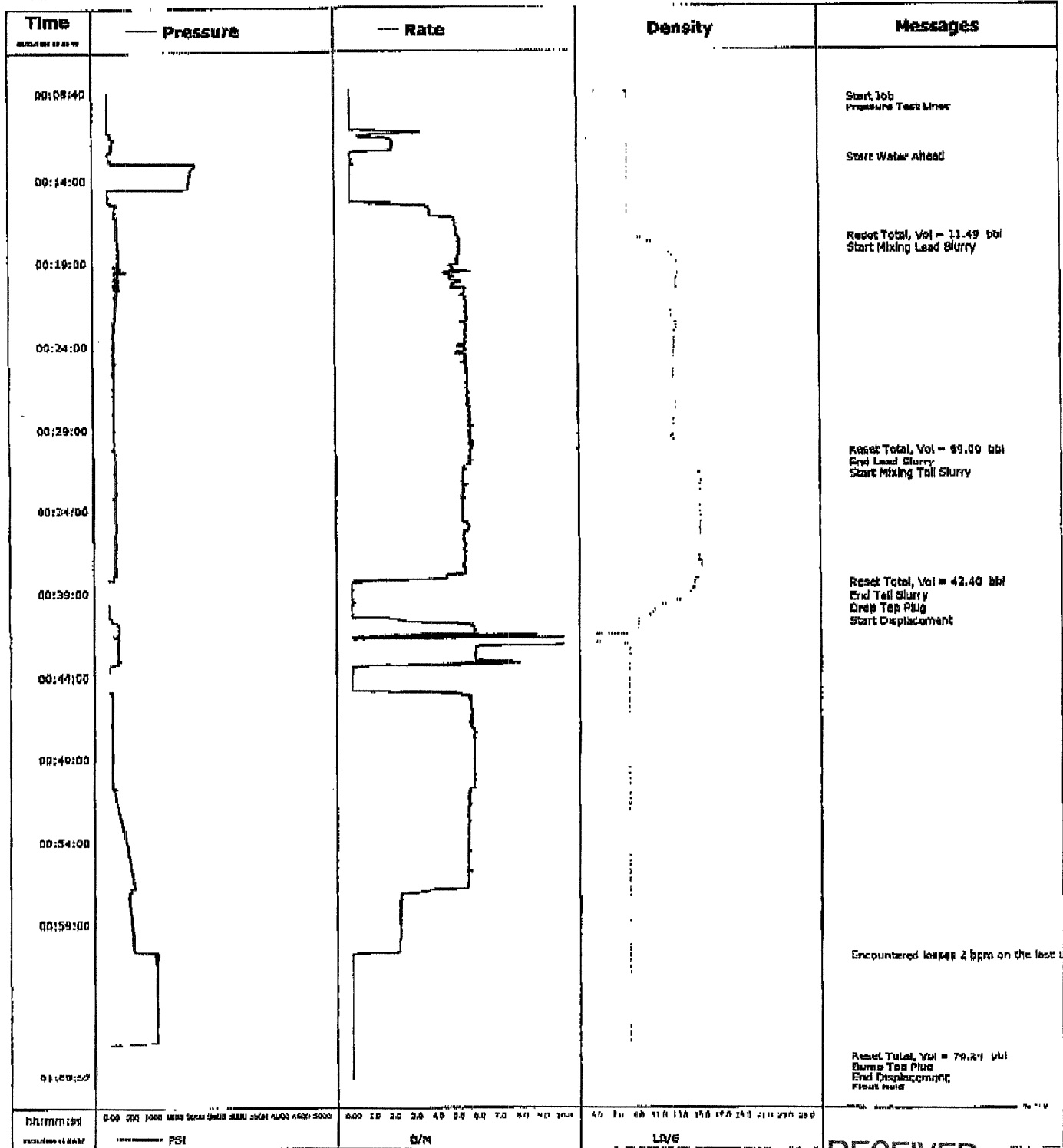
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CemCAT v1.0



Cementing Job Report

Well	Koating 5-8	Client	Exxon Mobile
Field	Panoma Gas	SIR No.	2205551147
Engineer	Valery Grigoriev	Job Type	S 1/2" LS
Country	United States	Job Date	05-30-2006



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MAY-31-2006 19:52 From:

To: EXXONMOBIL

P. 19

Client: Exxon Mobil
Well Name: Keatli
Well Number: 5-8
Legal Location: Sec 8-T32S-R35W
County: Stevens
State: KS

Job Number: 2206 1147
Job Type: LS
Hole Size: 7 7/8
Casing Size: 5 1/2
Total Depth: 3270
DV Tool @

Fluid Systems

Mud:	bbbl
weight:	9 lb/gal
height:	feet

Wash:	10 bbl	Water
weight:	8.95 lb/gal	volumes: 50 cuft
yield:	cuft/sk	height: 324 feet
mix req:	gal/sk	slurry: 10 bbls
		water: 10 bbls

Lead:	195 sks	35/65 POZ/C + 6%D020 + 2%SD01 + 0.125 ppeD130
weight:	12.5 lb/gal	volumes: 394 cuft
yield:	2.02 cuft/sk	height: 2,273 feet
mix req:	11.1 gal/sk	slurry: 70 bbls
		water: 52 bbls
		Thickening Time: hr:min

Tail:	160 sks	Class H 10:10 SS + 0.2%D065 + 0.1%D167 + 0.2%D046 + 0.2% ppe D130
weight:	14.6 lb/gal	volumes: 240 cuft
yield:	1.54 cuft/sk	height: 1,422 feet
mix req:	7.09 gal/sk	slurry: 44 bbls
		water: 27 bbls
		Thickening Time: hr:min

Displacement:	75.97 bbl	Fresh Water	density	8.33 lb/gal
Total:	75.97 bbl			

Casing Data

O.D.	5.500 inches	CSG vol:	0.0238 bbl/ft	Ann. vol:	0.0309 bbl/ft
I.D.	4.95 inches	OH vol:	0.0602 bbl/ft		5.7715 ft/cufl
Csg Wt:	Feet	volume		Shoe Joint Length	
0.0238	15.5	3277.00	77.99 bbls.	Csg:	85.00 feet
0.0773	36		0.00 bbls.	Shoe:	feet
0.0773	36		0.00 bbls.	Collar:	feet

Volumes

Total Depth	3270 feet	7.00 Above Floor	Open Hole	197.00 bbls.
Total Pipe	3277 feet	77.99 bbls.	Annulus	101.12 bbls.
Shoe Joint	85 feet	2.02 bbls.	Total Water	197 bbls needed
Float Collar@	3192 feet	75.97 bbls.		

Post Job Info

TOC LEAD	0 ft	Final Diff. Pressure	550 psi
TOC TAIL	1,855 ft	Bump Top Plug to Circulated	1100 psi @ approx 1:00 hours
Excess	50 %		bbls to Surface

Casing Wt (Air)	50,794 lbs.	Casing Area ID	19,2443 sq in.
Hyd PSI(Annulus)	2,300 psi	Hyd PSI(Casing)	1,448 psi
Csg Cross Sect.	4.5141 sq in.	#VALUE!	1,448
Bouyancy	10,383 lbs.	Casing Lift Pressure	2,100 psi
Hook Load	40,410 lbs.	Differential Lift Pressure	852 psi

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