



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1085021  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., 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       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1085021

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Chesapeake Operating, Inc.
Well Name	Robin 36-34-8 SWD 1
Doc ID	1085021

All Electric Logs Run

Array Compensated True Resistivity Log (1 and 2)
Dual Spaced Neutron Spectral Density Log
MWD Gamma ROP-5 in TVD
MWD Gamma ROP - 5in MD
MWD Gamma ROP -2 in TVD
MWD Gamma ROP - 2 in MD
MWD Gamma ROP - 1 in TVD
MWD Gamma ROP - 1 in MD
Mud Log

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 02, 2012

Aletha Dewbre  
Chesapeake Operating, Inc.  
6100 N WESTERN AVE  
PO BOX 18496  
OKLAHOMA CITY, OK 73154-0496

Re: ACO1  
API 15-077-21848-00-00  
Robin 36-34-8 SWD 1  
SE/4 Sec.36-34S-08W  
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Aletha Dewbre

# Notice of Conductor Pipe Installation

## Installation Company Information

Firm Name	Elite Drilling, LLC.
Mailing Address	3105 Bent Creek Drive
City	Woodward
State	OK
Zip	73801

## Well Operator Information

Operator name	Chesapeake Operating, Inc.
Mailing Address	Rt. 1 Box 5-A
City	Waynoka
State	OK
Zip	73860

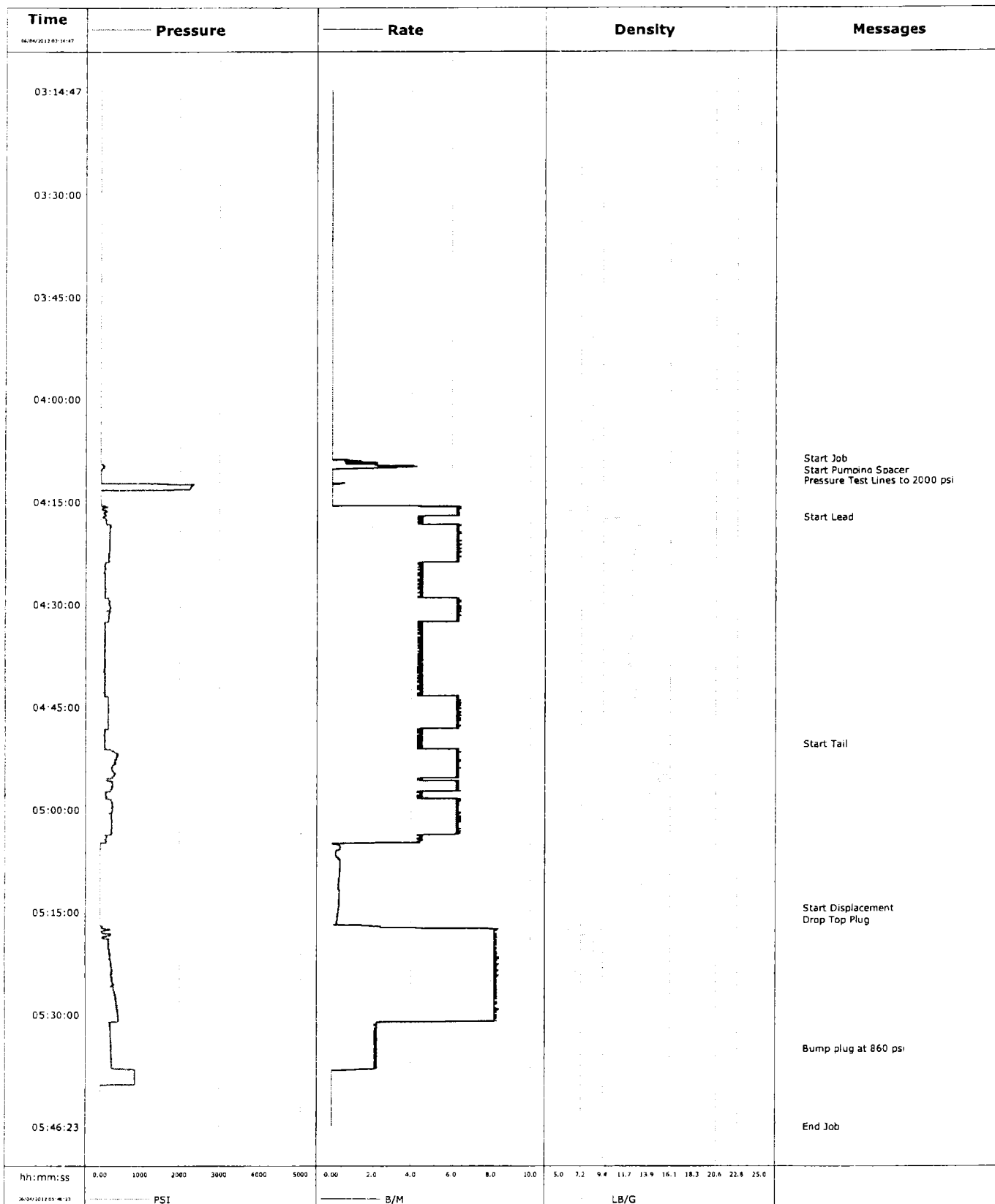
## Well Information

Well Name	Robin 36-34-8-1-SWD
Legal location	Sec. 36-34S-8W
Footage	
County	Harper, KS

## Installation Details

Pipe Size	20"
Depth	120'
Completion Method	Displacement
Date installed	5/23/2012
Cement	18 yds Class A Type 1

<b>Well</b>	Robin 36-34-8 SWD	<b>Client</b>	Chesapeake
<b>Field</b>		<b>SIR No.</b>	B589-00235
<b>Engineer</b>	Nina Thurber	<b>Job Type</b>	13 3/8" Surface Casing
<b>Country</b>	United States	<b>Job Date</b>	06-04-2012



				Customer Chesapeake		Job Number 8589-00235	
Well Robin 36-34-8 SWD 36-34-8 SWD			Location (legal) Manchester, Oklahoma		Schlumberger Location EL RENO		Job Start Jun/04/2012
Field		Formation Name/Type		Deviation deg	Bit Size 17.5 in	Well MD 828.0 ft	Well TVD 828.0 ft
County		State/Province Manchester		BHP psi	BHST 88 degF	BHCT 80 degF	Pore Press. Gradient lb/gal
Well Master		API/UWI 15077218480000					
Rig Name Trinidad #205		Drilled For Oil & Gas		Service Via Land		Casing/Liner	
				Depth, ft	Size, in	Weight, lb/ft	Grade
							Thread
Offshore Zone		Well Class New		Well Type Development			
				120.0	20.0		
				828.0	13.4		
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe	
						T/D	Depth, ft
						Size, in	Weight, lb/ft
						Grade	Thread
Service Line Cementing		Job Type 13 3/8" Surface Casing					
Max. Allowed Tub. Press 2000 psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole	
						Top, ft	Bottom, ft
						shot/ft	No. of Shots
						Total Interval ft	
Service Instructions Provide services, materials, equipment, and personnel to safely cement 13 3/8" surface casing as per customer request.						Diameter in	
						Treat Down Casing	
						Displacement 122.0 bbl	
						Packer Type	
						Packer Depth ft	
						Tubing Vol. bbl	
						Casing Vol. 261.0 bbl	
						Annular Vol. bbl	
						Openhole Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure 350 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reelocated <input type="checkbox"/>		Shoe Type Guide	
						Squeeze Type	
						Shoe Depth 828.0 ft	
						Tool Type	
No. Centralizers 3		Top Plugs 1		Bottom Plugs		Stage Tool Type	
						Tool Depth ft	
Cement Head Type Single						Stage Tool Depth ft	
						Tail Pipe Size in	
Job Scheduled For Jun/04/2012		Arrived on Location Jun/04/2012		Leave Location Jun/04/2012		Collar Type Float	
						Tail Pipe Depth ft	
						Collar Depth 785.4 ft	
						Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
06/04/2012	03:14:47	3	0.0	8.41	0.0	Started Acquisition	
06/04/2012	03:15:17	4	0.0	8.41	0.0		
06/04/2012	03:15:47	4	0.0	8.42	0.0		
06/04/2012	03:16:17	3	0.0	8.41	0.0		
06/04/2012	03:16:47	3	0.0	8.42	0.0		
06/04/2012	03:17:17	3	0.0	8.41	0.0		
06/04/2012	03:17:47	3	0.0	8.42	0.0		
06/04/2012	03:18:17	3	0.0	8.41	0.0		
06/04/2012	03:18:47	3	0.0	8.42	0.0		
06/04/2012	03:19:17	4	0.0	8.42	0.0		
06/04/2012	03:19:47	3	0.0	8.42	0.0		
06/04/2012	03:20:17	3	0.0	8.42	0.0		
06/04/2012	03:20:47	4	0.0	8.41	0.0		
06/04/2012	03:21:17	4	0.0	8.42	0.0		
06/04/2012	03:21:47	3	0.0	8.41	0.0		
06/04/2012	03:22:17	3	0.0	8.41	0.0		
06/04/2012	03:22:47	4	0.0	8.41	0.0		
06/04/2012	03:23:17	4	0.0	8.41	0.0		
06/04/2012	03:23:47	3	0.0	8.41	0.0		
06/04/2012	03:24:17	4	0.0	8.41	0.0		
06/04/2012	03:24:47	4	0.0	8.42	0.0		

Well		Field		Job Start		Customer		Job Number	
Robin 36-34-8 SWD 36-34-8 SWD				Jun/04/2012		Chesapeake		8589-00235	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/04/2012	03:25:47	4	0.0	8.41	0.0				
06/04/2012	03:26:17	3	0.0	8.42	0.0				
06/04/2012	03:26:47	4	0.0	8.41	0.0				
06/04/2012	03:27:17	3	0.0	8.41	0.0				
06/04/2012	03:27:47	4	0.0	8.41	0.0				
06/04/2012	03:28:17	3	0.0	8.41	0.0				
06/04/2012	03:28:47	4	0.0	8.42	0.0				
06/04/2012	03:29:17	4	0.0	8.42	0.0				
06/04/2012	03:29:47	4	0.0	8.41	0.0				
06/04/2012	03:30:17	3	0.0	8.42	0.0				
06/04/2012	03:30:47	4	0.0	8.41	0.0				
06/04/2012	03:31:17	4	0.0	8.41	0.0				
06/04/2012	03:31:47	4	0.0	8.41	0.0				
06/04/2012	03:32:17	4	0.0	8.42	0.0				
06/04/2012	03:32:47	3	0.0	8.41	0.0				
06/04/2012	03:33:17	3	0.0	8.41	0.0				
06/04/2012	03:33:47	3	0.0	8.41	0.0				
06/04/2012	03:34:17	4	0.0	8.42	0.0				
06/04/2012	03:34:47	3	0.0	8.41	0.0				
06/04/2012	03:35:17	4	0.0	8.42	0.0				
06/04/2012	03:35:47	4	0.0	8.42	0.0				
06/04/2012	03:36:17	4	0.0	8.41	0.0				
06/04/2012	03:36:47	4	0.0	8.41	0.0				
06/04/2012	03:37:17	4	0.0	8.41	0.0				
06/04/2012	03:37:47	4	0.0	8.41	0.0				
06/04/2012	03:38:17	4	0.0	8.41	0.0				
06/04/2012	03:38:47	4	0.0	8.41	0.0				
06/04/2012	03:39:17	4	0.0	8.41	0.0				
06/04/2012	03:39:47	4	0.0	8.41	0.0				
06/04/2012	03:40:17	4	0.0	8.41	0.0				
06/04/2012	03:40:47	4	0.0	8.41	0.0				
06/04/2012	03:41:17	4	0.0	8.41	0.0				
06/04/2012	03:41:47	4	0.0	8.42	0.0				
06/04/2012	03:42:17	4	0.0	8.41	0.0				
06/04/2012	03:42:47	3	0.0	8.42	0.0				
06/04/2012	03:43:17	4	0.0	8.41	0.0				
06/04/2012	03:43:47	4	0.0	8.41	0.0				
06/04/2012	03:44:17	4	0.0	8.41	0.0				
06/04/2012	03:44:47	4	0.0	8.41	0.0				
06/04/2012	03:45:17	3	0.0	8.41	0.0				
06/04/2012	03:45:47	4	0.0	8.41	0.0				
06/04/2012	03:46:17	3	0.0	8.41	0.0				
06/04/2012	03:46:47	4	0.0	8.41	0.0				
06/04/2012	03:47:17	4	0.0	8.41	0.0				
06/04/2012	03:47:47	4	0.0	8.41	0.0				
06/04/2012	03:48:17	4	0.0	8.41	0.0				
06/04/2012	03:48:47	4	0.0	8.41	0.0				
06/04/2012	03:49:17	4	0.0	8.41	0.0				
06/04/2012	03:49:47	4	0.0	8.41	0.0				
06/04/2012	03:50:17	4	0.0	8.41	0.0				
06/04/2012	03:50:47	4	0.0	8.41	0.0				
06/04/2012	03:51:17	4	0.0	8.41	0.0				
06/04/2012	03:51:47	4	0.0	8.42	0.0				
06/04/2012	03:52:17	4	0.0	8.42	0.0				



Well		Field		Job Start		Customer		Job Number	
Robin 36-34-8 SWD 36-34-8 SWD				Jun/04/2012		Chesapeake		B589-00235	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/04/2012	03:53:17	4	0.0	8.41	0.0				
06/04/2012	03:53:47	4	0.0	8.41	0.0				
06/04/2012	03:54:17	4	0.0	8.41	0.0				
06/04/2012	03:54:47	4	0.0	8.41	0.0				
06/04/2012	03:55:17	4	0.0	8.41	0.0				
06/04/2012	03:55:47	4	0.0	8.42	0.0				
06/04/2012	03:56:17	4	0.0	8.41	0.0				
06/04/2012	03:56:47	4	0.0	8.41	0.0				
06/04/2012	03:57:17	4	0.0	8.41	0.0				
06/04/2012	03:57:47	4	0.0	8.41	0.0				
06/04/2012	03:58:17	4	0.0	8.41	0.0				
06/04/2012	03:58:47	4	0.0	8.41	0.0				
06/04/2012	03:59:17	4	0.0	8.42	0.0				
06/04/2012	03:59:47	4	0.0	8.41	0.0				
06/04/2012	04:00:17	4	0.0	8.41	0.0				
06/04/2012	04:00:47	4	0.0	8.42	0.0				
06/04/2012	04:01:17	4	0.0	8.42	0.0				
06/04/2012	04:01:47	4	0.0	8.42	0.0				
06/04/2012	04:02:17	4	0.0	8.42	0.0				
06/04/2012	04:02:47	4	0.0	8.42	0.0				
06/04/2012	04:03:17	4	0.0	8.41	0.0				
06/04/2012	04:03:47	4	0.0	8.41	0.0				
06/04/2012	04:04:17	4	0.0	8.41	0.0				
06/04/2012	04:04:47	4	0.0	8.42	0.0				
06/04/2012	04:05:17	1	0.0	8.42	0.0				
06/04/2012	04:05:47	1	0.0	8.41	0.0				
06/04/2012	04:06:17	0	0.0	8.42	0.0				
06/04/2012	04:06:47	1	0.0	8.41	0.0				
06/04/2012	04:07:17	1	0.0	8.42	0.0				
06/04/2012	04:07:47	1	0.0	8.41	0.0				
06/04/2012	04:08:17	0	0.0	8.41	0.0				
06/04/2012	04:08:47	1	0.0	8.41	0.0				
06/04/2012	04:08:48	0	0.0	8.41	0.0	Start Job			
06/04/2012	04:09:05	2	1.4	8.41	0.1	Start Pumping Spacer			
06/04/2012	04:09:17	5	2.3	7.20	0.4				
06/04/2012	04:09:47	108	2.3	8.40	1.3				
06/04/2012	04:10:17	29	0.1	8.40	2.7				
06/04/2012	04:10:47	20	0.0	8.40	2.7				
06/04/2012	04:11:17	19	0.0	8.40	2.7				
06/04/2012	04:11:47	18	0.0	8.40	2.7				
06/04/2012	04:12:02	18	0.0	8.40	2.7	Pressure Test Lines to 2000 psi			
06/04/2012	04:12:17	17	0.0	8.41	2.7				
06/04/2012	04:12:47	2283	0.0	8.40	2.8				
06/04/2012	04:13:17	1828	0.0	8.40	2.8				
06/04/2012	04:13:47	7	0.0	8.40	2.8				
06/04/2012	04:14:17	6	0.0	8.40	2.8				
06/04/2012	04:14:47	9	0.0	8.41	2.8				
06/04/2012	04:15:17	19	0.0	8.41	2.8				
06/04/2012	04:15:47	184	4.4	8.45	3.5				
06/04/2012	04:16:17	145	6.2	0.01	6.6				
06/04/2012	04:16:47	115	6.4	7.42	9.8				
06/04/2012	04:17:17	100	4.3	0.01	12.6				
06/04/2012	04:17:19	77	4.4	0.01	12.8	Start Lead			
06/04/2012	04:17:47	154	4.3	11.57	14.9				

Well		Field		Job Start		Customer		Job Number	
Robin 36-34-8 SWD 36-34-8 SWD				Jun/04/2012		Chesapeake		B589-00235	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/04/2012	04:18:47	255	6.2	12.43	20.1				
06/04/2012	04:19:17	241	6.2	12.64	23.2				
06/04/2012	04:19:47	243	6.5	12.73	26.4				
06/04/2012	04:20:17	250	6.4	12.72	29.5				
06/04/2012	04:20:47	239	6.5	12.79	32.7				
06/04/2012	04:21:17	234	6.2	12.77	35.9				
06/04/2012	04:21:47	230	6.4	12.73	39.0				
06/04/2012	04:22:17	225	6.4	12.66	42.2				
06/04/2012	04:22:47	217	6.4	12.52	45.3				
06/04/2012	04:23:17	213	6.4	12.58	48.5				
06/04/2012	04:23:47	210	6.4	12.62	51.6				
06/04/2012	04:24:17	121	4.4	12.52	54.0				
06/04/2012	04:24:47	114	4.4	12.42	56.2				
06/04/2012	04:25:17	104	4.4	12.48	58.4				
06/04/2012	04:25:47	116	4.4	12.53	60.7				
06/04/2012	04:26:17	116	4.4	12.44	62.9				
06/04/2012	04:26:47	119	4.4	12.45	65.1				
06/04/2012	04:27:17	122	4.5	12.61	67.3				
06/04/2012	04:27:47	119	4.5	12.79	69.5				
06/04/2012	04:28:17	121	4.4	12.55	71.8				
06/04/2012	04:28:47	114	4.4	12.35	74.0				
06/04/2012	04:29:17	215	6.4	12.87	76.5				
06/04/2012	04:29:47	235	6.5	12.92	79.7				
06/04/2012	04:30:17	256	6.2	13.70	82.8				
06/04/2012	04:30:47	246	6.2	13.32	86.0				
06/04/2012	04:31:17	226	6.2	12.93	89.1				
06/04/2012	04:31:47	214	6.4	12.70	92.3				
06/04/2012	04:32:17	229	6.4	12.56	95.5				
06/04/2012	04:32:47	116	4.5	12.29	98.3				
06/04/2012	04:33:17	125	4.5	12.39	100.5				
06/04/2012	04:33:47	121	4.4	12.37	102.8				
06/04/2012	04:34:17	121	4.5	12.29	105.0				
06/04/2012	04:34:47	120	4.5	12.34	107.2				
06/04/2012	04:35:17	116	4.4	12.26	109.4				
06/04/2012	04:35:47	126	4.4	12.31	111.7				
06/04/2012	04:36:17	117	4.5	12.23	113.9				
06/04/2012	04:36:47	120	4.5	12.21	116.1				
06/04/2012	04:37:17	116	4.3	12.04	118.3				
06/04/2012	04:37:47	116	4.5	12.06	120.6				
06/04/2012	04:38:17	120	4.5	12.21	122.8				
06/04/2012	04:38:47	118	4.4	12.01	125.0				
06/04/2012	04:39:17	118	4.4	12.14	127.2				
06/04/2012	04:39:47	94	4.4	12.64	129.4				
06/04/2012	04:40:17	120	4.5	12.57	131.6				
06/04/2012	04:40:47	129	4.5	12.76	133.9				
06/04/2012	04:41:17	129	4.4	12.73	136.1				
06/04/2012	04:41:47	126	4.5	12.73	138.3				
06/04/2012	04:42:17	126	4.4	12.69	140.5				
06/04/2012	04:42:47	119	4.4	12.73	142.7				
06/04/2012	04:43:17	119	4.4	12.70	145.0				
06/04/2012	04:43:47	201	6.2	12.62	147.7				
06/04/2012	04:44:17	202	6.2	12.48	150.9				
06/04/2012	04:44:47	215	6.2	12.83	154.1				
06/04/2012	04:45:17	211	6.2	12.78	157.2				

Well		Field		Job Start		Customer		Job Number	
Robin 36-34-8 SWD 36-34-8 SWD				Jun/04/2012		Chesapeake		8589-00235	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/04/2012	04:46:17	210	6.2	12.77	163.5				
06/04/2012	04:46:47	203	6.4	12.72	166.7				
06/04/2012	04:47:17	207	6.4	12.70	169.8				
06/04/2012	04:47:47	204	6.4	12.68	173.0				
06/04/2012	04:48:17	121	4.4	12.68	176.1				
06/04/2012	04:48:47	127	4.3	12.67	178.3				
06/04/2012	04:49:17	122	4.4	12.55	180.5				
06/04/2012	04:49:47	121	4.4	12.51	182.8				
06/04/2012	04:50:17	119	4.4	12.36	185.0				
06/04/2012	04:50:29	119	4.4	12.49	185.9	Start Tail			
06/04/2012	04:50:47	120	4.4	12.95	187.2				
06/04/2012	04:51:17	278	6.2	14.18	189.5				
06/04/2012	04:51:47	428	6.2	14.68	192.7				
06/04/2012	04:52:17	430	6.4	14.57	195.8				
06/04/2012	04:52:47	401	6.2	14.39	199.0				
06/04/2012	04:53:17	388	6.4	14.35	202.1				
06/04/2012	04:53:47	308	6.2	14.94	205.3				
06/04/2012	04:54:17	315	6.4	15.21	208.5				
06/04/2012	04:54:47	375	6.4	15.86	211.6				
06/04/2012	04:55:17	307	6.4	14.90	214.8				
06/04/2012	04:55:47	168	4.4	14.91	217.4				
06/04/2012	04:56:17	312	6.4	15.09	220.3				
06/04/2012	04:56:47	310	6.2	14.91	223.5				
06/04/2012	04:57:17	260	6.4	13.90	226.6				
06/04/2012	04:57:47	151	4.5	14.12	229.0				
06/04/2012	04:58:17	161	4.4	14.53	231.3				
06/04/2012	04:58:47	277	6.5	14.88	234.0				
06/04/2012	04:59:17	316	6.2	15.14	237.2				
06/04/2012	04:59:47	307	6.2	15.08	240.3				
06/04/2012	05:00:17	313	6.2	15.07	243.5				
06/04/2012	05:00:47	306	6.4	14.88	246.6				
06/04/2012	05:01:17	303	6.2	14.82	249.8				
06/04/2012	05:01:47	306	6.4	14.93	252.9				
06/04/2012	05:02:17	309	6.4	15.00	256.1				
06/04/2012	05:02:47	296	6.4	14.85	259.2				
06/04/2012	05:03:17	297	6.4	14.73	262.4				
06/04/2012	05:03:47	137	4.4	14.77	265.6				
06/04/2012	05:04:17	167	4.5	14.25	267.8				
06/04/2012	05:04:47	140	4.3	14.09	270.0				
06/04/2012	05:05:17	11	0.4	14.17	271.0				
06/04/2012	05:05:47	12	0.4	13.45	271.2				
06/04/2012	05:06:17	9	0.2	13.09	271.4				
06/04/2012	05:06:47	10	0.2	13.07	271.5				
06/04/2012	05:07:17	11	0.4	13.07	271.6				
06/04/2012	05:07:47	7	0.4	13.09	271.8				
06/04/2012	05:08:17	7	0.4	13.12	272.0				
06/04/2012	05:08:47	7	0.4	13.13	272.2				
06/04/2012	05:09:17	7	0.4	13.15	272.4				
06/04/2012	05:09:47	7	0.4	13.17	272.7				
06/04/2012	05:10:17	7	0.4	13.18	272.9				
06/04/2012	05:10:47	5	0.4	13.20	273.0				
06/04/2012	05:11:17	6	0.4	13.21	273.2				
06/04/2012	05:11:47	7	0.4	13.23	273.4				
06/04/2012	05:12:17	7	0.4	13.24	273.6				

Well		Field		Job Start	Customer	Job Number
Robin 36-34-8 SWD 36-34-8 SWD				Jun/04/2012	Chesapeake	B589-00235
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/04/2012	05:13:17	7	0.4	13.27	274.0	
06/04/2012	05:13:47	7	0.4	13.28	274.2	
06/04/2012	05:14:17	7	0.4	13.29	274.4	
06/04/2012	05:14:30	7	0.4	13.30	274.5	Start Displacement
06/04/2012	05:14:47	7	0.4	13.31	274.6	
06/04/2012	05:15:00	6	0.3	13.31	274.7	Drop Top Plug
06/04/2012	05:15:17	7	0.3	13.32	274.8	
06/04/2012	05:15:47	7	0.3	13.34	274.9	
06/04/2012	05:16:17	7	0.3	13.34	275.1	
06/04/2012	05:16:47	7	0.3	13.35	275.2	
06/04/2012	05:17:17	58	2.4	8.82	275.9	
06/04/2012	05:17:47	114	8.2	1.03	278.9	
06/04/2012	05:18:17	283	8.3	0.01	283.0	
06/04/2012	05:18:47	89	8.3	0.01	287.1	
06/04/2012	05:19:17	226	8.2	8.51	291.2	
06/04/2012	05:19:47	234	8.3	8.46	295.3	
06/04/2012	05:20:17	225	8.2	8.42	299.4	
06/04/2012	05:20:47	234	8.2	8.41	303.4	
06/04/2012	05:21:17	259	8.2	8.44	307.5	
06/04/2012	05:21:47	263	8.3	8.43	311.6	
06/04/2012	05:22:17	280	8.2	8.41	315.7	
06/04/2012	05:22:47	284	8.4	8.41	319.8	
06/04/2012	05:23:17	299	8.2	8.41	323.9	
06/04/2012	05:23:47	316	8.2	5.49	328.0	
06/04/2012	05:24:17	288	8.3	0.01	332.1	
06/04/2012	05:24:47	307	8.2	0.01	336.2	
06/04/2012	05:25:17	323	8.2	0.01	340.3	
06/04/2012	05:25:47	320	8.2	0.01	344.4	
06/04/2012	05:26:17	344	8.2	0.01	348.5	
06/04/2012	05:26:47	366	8.3	5.28	352.6	
06/04/2012	05:27:17	390	8.2	8.41	356.7	
06/04/2012	05:27:47	390	8.3	8.41	360.8	
06/04/2012	05:28:17	409	8.2	8.41	364.9	
06/04/2012	05:28:47	428	8.2	8.41	369.0	
06/04/2012	05:29:17	427	8.3	8.41	373.1	
06/04/2012	05:29:47	451	8.3	8.41	377.2	
06/04/2012	05:30:17	472	8.3	8.41	381.3	
06/04/2012	05:30:47	463	8.2	8.41	385.3	
06/04/2012	05:31:17	261	2.3	8.41	388.4	
06/04/2012	05:31:47	263	2.3	8.41	389.5	
06/04/2012	05:32:17	270	2.3	8.41	390.7	
06/04/2012	05:32:47	267	2.3	8.41	391.8	
06/04/2012	05:33:17	276	2.3	8.41	392.9	
06/04/2012	05:33:47	276	2.3	8.41	394.0	
06/04/2012	05:34:17	283	2.2	8.41	395.1	
06/04/2012	05:34:47	278	2.2	8.41	396.3	
06/04/2012	05:35:00	285	2.3	8.41	396.7	Bump plug at 860 psi
06/04/2012	05:35:17	286	2.3	8.41	397.4	
06/04/2012	05:35:47	290	2.3	8.41	398.5	
06/04/2012	05:36:17	293	2.2	8.41	399.6	
06/04/2012	05:36:47	293	2.3	8.41	400.8	
06/04/2012	05:37:17	296	2.3	8.41	401.9	
06/04/2012	05:37:47	298	2.2	8.41	403.0	
06/04/2012	05:38:17	860	0.0	8.41	403.7	

Well		Field		Job Start		Customer		Job Number	
Robin 36-34-8 SWD 36-34-8 SWD				Jun/04/2012		Chesapeake		B589-00235	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/04/2012	05:39:17	860	0.0	8.41	403.7				
06/04/2012	05:39:47	861	0.0	8.41	403.7				
06/04/2012	05:40:17	845	0.0	8.41	403.7				
06/04/2012	05:40:47	11	0.0	8.41	403.7				
06/04/2012	05:41:17	10	0.0	8.41	403.7				
06/04/2012	05:41:47	10	0.0	8.41	403.7				
06/04/2012	05:42:17	10	0.0	8.41	403.7				
06/04/2012	05:42:47	10	0.0	8.41	403.7				
06/04/2012	05:43:17	10	0.0	8.41	403.7				
06/04/2012	05:43:47	9	0.0	8.41	403.7				
06/04/2012	05:44:17	9	0.0	8.41	403.7				
06/04/2012	05:44:47	1	0.0	8.41	403.7				
06/04/2012	05:45:17	9	0.0	8.41	403.7				
06/04/2012	05:45:47	9	0.0	8.41	403.7				
06/04/2012	05:46:17	5	0.0	8.41	403.7				

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.8			8.4	261.0	0.0	10.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2353	6	135	860		FreshWater	bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume	
%	261.0 bbl	122.0 bbl	68 degF	<input checked="" type="checkbox"/>		70.0 bbl	
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost		Job Completed
Jerry Embrey			Nina Thurber		<input type="checkbox"/>		<input checked="" type="checkbox"/>



Service Order for i-District Job 787811

<b>Customer Name:</b> CHESAPEAKE OPERATING, INC. - FOR EI		<b>Person Taking Call:</b>		<b>Location:</b> El Reno, OK WS		<b>Order Date:</b>		<b>Job Number:</b> 787811	
<b>Service Order Number:</b>		<b>Service Line:</b> Cementing El Reno		<b>Supervisor:</b>		<b>Legal Location:</b>			
<b>Well Name and Number:</b> Robin, 36-34-8 SWD		<b>Pad/Platform:</b>		<b>Field:</b>		<b>County:</b> Harper		<b>State/Prov:</b> Kansas	
<b>Well Master Number:</b>		<b>API/UWI:</b> 15077218480000		<b>Rig Name:</b> TRINIDAD #205		<b>Well Age:</b> New		<b>Sales Engineer:</b>	
<b>Job Type:</b> Cementing El Reno – Surface		<b>Time Well Ready:</b>		<b>Deviation:</b>		<b>Hole Size:</b> 17.5 in		<b>Well MD:</b> 800 ft	
<b>Well TVD:</b> 800 ft		<b>BHP:</b>		<b>BHST:</b> 88 °F		<b>BHCT:</b> 80 °F		<b>Treat Down:</b> Casing	
<b>Packer Type:</b>		<b>Packer Depth:</b>		<b>Well Head Connection:</b>		<b>HHP on Location:</b>		<b>Max Allowed Pressure:</b>	
<b>Max Allowed Ann Pressure:</b>				<b>Job Stage Description:</b>		<b>FTL Ticket/Quote Number :</b> B589-00235			
<b>Expected on Location:</b>		<b>Ready to Pump:</b>		<b>Job Start Date:</b>		<b>Job End Date:</b>			
<b>Leave for Job:</b>				<b>Arrive from Job:</b>					
<b>Casing/Tubing</b>						<b>Service Instructions:</b>			
<b>String Type</b>	<b>Depth</b>	<b>Size</b>	<b>Weight</b>	<b>Grade</b>	<b>Thread</b>	Provide services, materials, equipment, and personnel to safely cement 13 3/8" surface casing as per customer request.  Pump 520 sks 35:65 Poz:C Lead @ 12.7 ppg, 370 sks Class C Tail @ 14.8 ppg, drop top plug and displace as per client approval.			
Casing	800 ft	13.375 in	54.5 lb/ft	J-55	STC				
<b>Client Contact</b>									
<b>Name</b>	<b>Voice</b>	<b>Fax</b>	<b>Email</b>	<b>Title</b>	<b>Company</b>	<b>Notes</b>			
<p><b>Notes:</b> 0631382600 TOC: Surface --- volumes based on 17.5" OH + 150% XS</p> <p>Equipment: 13 3/8" HM &amp; QC (8RD), top &amp; bottom plugs, water hoses, wash up hoses, air hoses &amp; mud hoses (contingency), 1 pump, 3 ABTs, top out iron &amp; swedge</p> <p><b>Directions:</b> From Manchester Okla. Go north on 132/179 5.1 miles T/L on Rd 60 5.0 miles(half blacktop and half gravel) T/L on SW-50 rd 2.0 miles T/R into</p>									

Materials			
Name	Description	Quantity	Density
LEAD SLURRY	520 sks 35:65 Poz:C + adds	972.40 ft3	12.70 lb/gal
TAIL SLURRY	370 sks Class C + adds	492.10 ft3	14.80 lb/gal
TOP OUT SLURRY	200 sks Class C	266.00 ft3	14.80 lb/gal

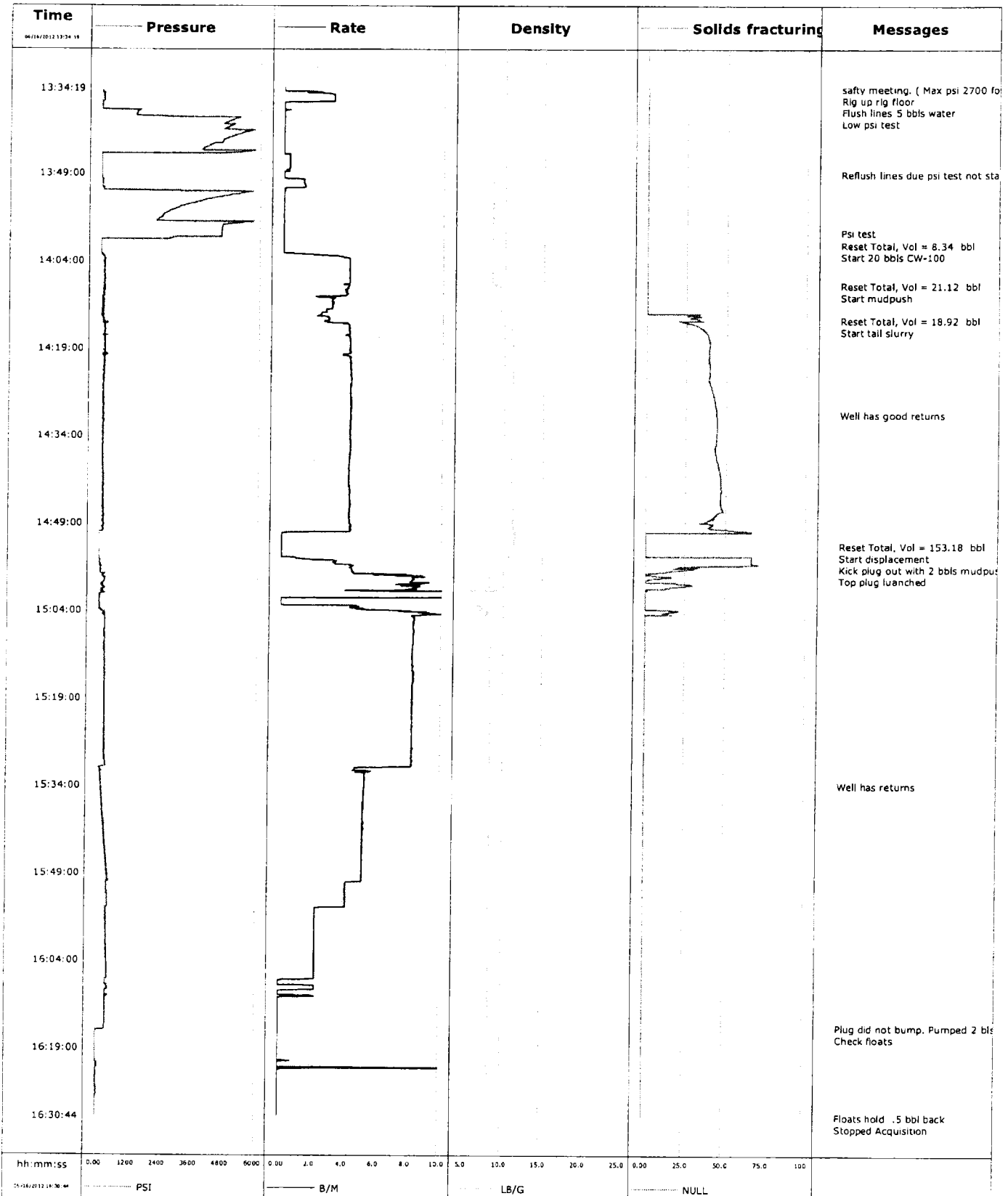
**Fluid Systems:**

LEAD SLURRY				
520 sks 35:65 Poz:C + adds				
Sacks Of:	Blend	Total Blend/Cem:	45,240.00	lb
Sack Weight:	87.00 lb	Sacks Blend/Cem:	520.00	sks
Yield:	1.87 ft3/sk	Final Fluid Density:	12.70	lb/gal
Mix Water:	10.07 gal/sk			
Code	Conc	Design	Total by design	Load out with excess
D903	61.100 lb/sk	WTSK	31,772.00 lb	31,772.00 lb
D035	25.900 lb/sk	WTSK	13,468.00 lb	13,468.00 lb
D020	6.000 %	BWOB	2,714.40 lb	2,714.40 lb
S001	2.000 %	BWOB	904.80 lb	904.80 lb
D130	0.125 lb/sk	WTSK	65.00 lb	65.00 lb

TAIL SLURRY				
370 sks Class C + adds				
Sacks Of:	Cement	Total Blend/Cem:	34,780.00	lb
Sack Weight:	94.00 lb	Sacks Blend/Cem:	370.00	sks
Yield:	1.33 ft3/sk	Final Fluid Density:	14.80	lb/gal
Mix Water:	6.29 gal/sk			
Code	Conc	Design	Total by design	Load out with excess
D903	94.000 lb/sk	WTSK	34,780.00 lb	34,780.00 lb
S001	0.500 %	BWOB	173.90 lb	173.90 lb
D130	0.125 lb/sk	WTSK	46.25 lb	46.25 lb

TOP OUT SLURRY				
200 sks Class C				
Sacks Of:	Cement	Total Blend/Cem:	18,800.00	lb
Sack Weight:	94.00 lb	Sacks Blend/Cem:	200.00	sks
Yield:	1.33 ft3/sk	Final Fluid Density:	14.80	lb/gal
Mix Water:	6.36 gal/sk	Total Mix Water:	4.82	m3
Code	Conc	Design	Total by design	Load out with excess
D903	94.000 lb/sk	WTSK	18,800.00 lb	18,800.00 lb

<b>Well</b>	Robin 36-34-8 1H	<b>Client</b>	Chesapeake
<b>Field</b>	Mississippi Lime	<b>SIR No.</b>	B589-00243
<b>Engineer</b>	Anthony Cucci	<b>Job Type</b>	9 5/8"
<b>Country</b>	United States	<b>Job Date</b>	06-16-2012







# Cementing Service Report

Customer Chesapeake				Job Number B589-00243			
Well Robin 36-34-8 1H Robin 36-34-8 1H		Location (legal) Trinidad 205		Schlumberger Location EL RENO		Job Start Jun/16/2012	
Field Mississippi Lime		Formation Name/Type Shale		Deviation		Bit Size 12.4 in	Well MD 5544.0 ft
County Harper		State/Province Kansas		BHP	BHST 145 degF	BHCT 121 degF	Pore Press. Gradient
Well Master 0631382600		API/UWI 15-077-21848					
Rig Name Trinidad 205	Drilled For Oil & Gas	Service Via Land	Casing/Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class New	Well Type Development	5549.5	9.630	40.0	N80	BUTT
			0.0	0.000	0.0		
Drilling Fluid Type Bentonite		Max. Density 8.80 lb/gal	Plastic Viscosity 60.000 cP		Tubing/Drill Pipe		
			Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type 9 5/8"						
Max. Allowed Tub. Press 4500 psi	Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole				
			Top,	Bottom,	No. of Shots	Total Interval	
Service Instructions						Diameter	
			Treat Down Casing	Displacement 417.4 bbl	Packer Type	Packer Depth	
			Tubing Vol.	Casing Vol. 420.8 bbl	Annular Vol.	Openhole Vol.	
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>	Casing Tools			Squeeze Job		
Lift Pressure 420 psi	Shoe Type Guide	Squeeze Type					
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth 5549.6 ft	Tool Type				
No. Centralizers 11	Top Plugs 1	Bottom Plugs	Stage Tool Type	Tool Depth			
Cement Head Type Single	Stage Tool Depth	Tail Pipe Size					
Job Scheduled For Jun/16/2012	Arrived on Location Jun/16/2012	Leave Location Jun/16/2012	Collar Type Float	Tail Pipe Depth			
			Collar Depth 5504.7 ft	Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
06/16/2012	12:14:41					Rig circulation rate 5.8 bpm with returns	
06/16/2012	13:34:18					Rig circulation psi 109 psi	
06/16/2012	13:34:19	-1	0.0	8.36	0.0		
06/16/2012	13:34:22	-1	0.0	8.36	0.0	safty meeting. ( Max psi 2700 for cement job	
06/16/2012	13:34:23					Rig up rig floor	
06/16/2012	13:34:23	-1	0.0	8.36	0.0		
06/16/2012	13:34:24					Flush lines 5 bbls water	
06/16/2012	13:34:24	-1	0.0	8.36	0.0		
06/16/2012	13:34:41	-1	0.0	8.36	0.0		
06/16/2012	13:35:11	80	1.9	8.36	0.5		
06/16/2012	13:35:41	99	3.1	8.36	1.9		
06/16/2012	13:36:11	96	3.1	8.36	3.5		
06/16/2012	13:36:41	67	2.9	8.36	5.0		
06/16/2012	13:37:11	27	0.0	8.36	5.2		
06/16/2012	13:37:41	28	0.0	8.36	5.2		
06/16/2012	13:38:11	1450	0.3	8.36	5.2		
06/16/2012	13:38:35					Low psi test	
06/16/2012	13:38:35	1345	0.0	8.36	5.2		
06/16/2012	13:38:41	1341	0.0	8.36	5.2		
06/16/2012	13:39:11	1314	0.0	8.36	5.2		

Well		Field	Job Start	Customer	Job Number	
Robin 36-34-8 1H Robin 36-34-8 1H		Mississippi Lime	Jun/16/2012	Chesapeake	6589-00243	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/16/2012	13:40:11	4817	0.0	8.36	5.2	
06/16/2012	13:40:41	5035	0.0	8.36	5.2	
06/16/2012	13:41:11	4797	0.0	8.36	5.2	
06/16/2012	13:41:41	5712	0.0	8.36	5.2	
06/16/2012	13:42:11	5311	0.0	8.36	5.2	
06/16/2012	13:42:41	4998	0.0	8.36	5.2	
06/16/2012	13:43:11	4688	0.0	8.36	5.2	
06/16/2012	13:43:41	4600	0.0	8.36	5.2	
06/16/2012	13:44:11	4174	0.0	8.36	5.2	
06/16/2012	13:44:41	3961	0.0	8.36	5.2	
06/16/2012	13:45:11	5729	0.0	8.36	5.2	
06/16/2012	13:45:41	3347	0.0	8.36	5.2	
06/16/2012	13:46:11	11	0.4	8.36	5.4	
06/16/2012	13:46:41	11	0.4	8.36	5.6	
06/16/2012	13:47:11	10	0.4	8.35	5.7	
06/16/2012	13:47:41	9	0.4	8.36	5.9	
06/16/2012	13:48:11	9	0.4	8.35	6.1	
06/16/2012	13:48:41	9	0.3	8.35	6.3	
06/16/2012	13:49:05					Reflush lines due psi test not stabilizing
06/16/2012	13:49:05	11	0.0	8.35	6.3	
06/16/2012	13:49:11	12	0.0	8.35	6.3	
06/16/2012	13:49:41	29	0.0	8.35	6.3	
06/16/2012	13:50:11	58	1.3	8.35	6.5	
06/16/2012	13:50:41	58	1.3	8.35	7.2	
06/16/2012	13:51:11	60	1.3	8.35	7.8	
06/16/2012	13:51:41	104	0.0	8.35	8.3	
06/16/2012	13:52:11	5736	0.1	8.35	8.3	
06/16/2012	13:52:41	5063	0.0	8.35	8.3	
06/16/2012	13:53:11	4470	0.0	8.35	8.3	
06/16/2012	13:53:41	3901	0.0	8.35	8.3	
06/16/2012	13:54:11	3495	0.0	8.35	8.3	
06/16/2012	13:54:41	3099	0.0	8.35	8.3	
06/16/2012	13:55:11	2847	0.0	8.35	8.3	
06/16/2012	13:55:41	2563	0.0	8.35	8.3	
06/16/2012	13:56:11	2391	0.0	8.35	8.3	
06/16/2012	13:56:41	2293	0.0	8.35	8.3	
06/16/2012	13:57:11	2125	0.0	8.35	8.3	
06/16/2012	13:57:41	5054	0.0	8.35	8.3	
06/16/2012	13:58:11	4611	0.0	8.35	8.3	
06/16/2012	13:58:41	4595	0.0	8.35	8.3	
06/16/2012	13:59:04					Psi test
06/16/2012	13:59:04	4585	0.0	8.35	8.3	
06/16/2012	13:59:11	4585	0.0	8.35	8.3	
06/16/2012	13:59:41	4584	0.0	8.35	8.3	
06/16/2012	14:00:11	2697	0.0	8.35	8.3	
06/16/2012	14:00:41	9	0.0	8.35	8.3	
06/16/2012	14:01:11	7	0.0	8.35	8.3	
06/16/2012	14:01:14					Reset Total, Vol = 8.34 bbl
06/16/2012	14:01:14	7	0.0	8.35	8.3	
06/16/2012	14:01:16					Start 20 bbls CW-100
06/16/2012	14:01:16	7	0.0	8.35	0.0	
06/16/2012	14:01:41	9	0.0	8.35	0.0	
06/16/2012	14:02:11	8	0.0	8.35	0.0	
06/16/2012	14:02:41	8	0.0	8.35	0.0	

Well		Field	Job Start	Customer	Job Number	
Robin 36-34-8 1H Robin 36-34-8 1H		Mississippi Lime	Jun/16/2012	Chesapeake	B589-00243	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/16/2012	14:03:41	149	4.1	8.36	2.5	
06/16/2012	14:04:11	150	4.1	8.36	4.6	
06/16/2012	14:04:41	143	4.1	8.36	6.6	
06/16/2012	14:05:11	150	4.1	8.36	8.7	
06/16/2012	14:05:41	142	4.1	8.35	10.8	
06/16/2012	14:06:11	151	4.1	8.35	12.8	
06/16/2012	14:06:41	149	4.1	8.34	14.9	
06/16/2012	14:07:11	150	4.1	8.34	17.0	
06/16/2012	14:07:41	152	4.1	8.34	19.0	
06/16/2012	14:08:11	138	3.9	8.52	21.1	
06/16/2012	14:08:12					Reset Total, Vol = 21.12 bbl
06/16/2012	14:08:12	143	4.0	8.71	21.1	
06/16/2012	14:08:13					Start mudpush
06/16/2012	14:08:13	154	4.0	8.71	0.1	
06/16/2012	14:08:41	148	4.0	9.47	2.0	
06/16/2012	14:09:11	149	3.9	9.48	4.0	
06/16/2012	14:09:41	138	4.0	9.41	5.9	
06/16/2012	14:10:11	75	2.2	9.50	7.8	
06/16/2012	14:10:41	92	3.1	9.51	9.2	
06/16/2012	14:11:11	123	3.1	9.46	10.8	
06/16/2012	14:11:41	86	3.1	9.55	12.3	
06/16/2012	14:12:11	130	3.0	9.50	13.8	
06/16/2012	14:12:41	64	2.7	9.42	15.2	
06/16/2012	14:13:11	81	2.4	9.50	16.5	
06/16/2012	14:13:41	84	2.8	10.40	17.7	
06/16/2012	14:14:07					Reset Total, Vol = 18.92 bbl
06/16/2012	14:14:07	134	2.9	10.84	18.9	
06/16/2012	14:14:08					Start tail slurry
06/16/2012	14:14:08	116	2.9	10.84	0.0	
06/16/2012	14:14:11	122	2.9	10.87	0.2	
06/16/2012	14:14:41	205	3.3	10.77	1.6	
06/16/2012	14:15:11	180	4.1	10.90	3.6	
06/16/2012	14:15:41	177	4.2	10.98	5.6	
06/16/2012	14:16:11	152	4.1	11.03	7.7	
06/16/2012	14:16:41	170	4.2	11.07	9.8	
06/16/2012	14:17:11	187	4.1	11.08	11.8	
06/16/2012	14:18:11	171	4.2	11.12	16.0	
06/16/2012	14:18:41	168	4.2	11.14	18.1	
06/16/2012	14:19:11	176	4.2	11.14	20.2	
06/16/2012	14:19:41	197	4.2	11.15	22.3	
06/16/2012	14:20:11	253	3.8	11.14	24.4	
06/16/2012	14:20:41	152	4.2	11.15	26.4	
06/16/2012	14:21:11	158	4.2	11.16	28.5	
06/16/2012	14:21:41	161	4.2	11.16	30.6	
06/16/2012	14:22:11	154	4.2	11.16	32.7	
06/16/2012	14:22:41	140	4.2	11.16	34.9	
06/16/2012	14:23:11	158	4.3	11.16	37.0	
06/16/2012	14:23:41	125	4.3	11.14	39.1	
06/16/2012	14:24:11	147	4.3	11.13	41.3	
06/16/2012	14:24:41	128	4.3	11.13	43.4	
06/16/2012	14:25:11	133	4.3	11.15	45.6	
06/16/2012	14:25:41	120	4.3	11.15	47.7	
06/16/2012	14:26:11	124	4.3	11.14	49.9	
06/16/2012	14:26:41	135	4.3	11.15	52.0	

Well		Field	Job Start	Customer	Job Number	
Robin 36-34-8 1H Robin 36-34-8 1H		Mississippi Lime	Jun/16/2012	Chesapeake	B589-00243	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/16/2012	14:27:41	138	4.3	11.15	56.3	
06/16/2012	14:28:11	125	4.3	11.15	58.4	
06/16/2012	14:28:41	140	4.3	11.15	60.5	
06/16/2012	14:29:11	138	4.3	11.14	62.7	
06/16/2012	14:29:41	128	4.3	11.13	64.8	
06/16/2012	14:30:11	147	4.3	11.13	67.0	
06/16/2012	14:30:19					Well has good returns
06/16/2012	14:30:19	141	4.3	11.13	67.5	
06/16/2012	14:30:41	135	4.3	11.13	69.1	
06/16/2012	14:31:11	140	4.3	11.13	71.2	
06/16/2012	14:31:41	142	4.2	11.12	73.4	
06/16/2012	14:32:11	131	4.2	11.12	75.5	
06/16/2012	14:32:41	140	4.2	11.13	77.6	
06/16/2012	14:33:11	130	4.2	11.12	79.7	
06/16/2012	14:33:41	143	4.2	11.13	81.9	
06/16/2012	14:34:11	136	4.2	11.13	84.0	
06/16/2012	14:34:41	122	4.2	11.14	86.1	
06/16/2012	14:35:11	128	4.3	11.13	88.2	
06/16/2012	14:35:41	128	4.3	11.11	90.4	
06/16/2012	14:36:11	107	4.3	11.08	92.5	
06/16/2012	14:36:41	114	4.2	11.08	94.6	
06/16/2012	14:37:11	114	4.2	11.08	96.7	
06/16/2012	14:37:41	130	4.2	11.09	98.9	
06/16/2012	14:38:11	117	4.2	11.09	101.0	
06/16/2012	14:38:41	130	4.2	11.09	103.1	
06/16/2012	14:39:11	141	4.2	11.09	105.2	
06/16/2012	14:39:41	136	4.2	11.10	107.2	
06/16/2012	14:40:11	132	4.2	11.10	109.3	
06/16/2012	14:40:41	141	4.2	11.10	111.4	
06/16/2012	14:41:11	140	4.2	11.10	113.5	
06/16/2012	14:41:41	148	4.2	11.10	115.6	
06/16/2012	14:42:11	143	4.1	11.10	117.6	
06/16/2012	14:42:41	147	4.2	11.13	119.7	
06/16/2012	14:43:11	134	4.2	11.13	121.8	
06/16/2012	14:43:41	151	4.2	11.13	123.9	
06/16/2012	14:44:11	140	4.2	11.13	126.0	
06/16/2012	14:44:41	141	4.2	11.14	128.1	
06/16/2012	14:45:11	135	4.2	11.14	130.2	
06/16/2012	14:45:41	147	4.2	11.15	132.4	
06/16/2012	14:46:11	141	4.2	11.20	134.5	
06/16/2012	14:46:41	157	4.2	11.24	136.6	
06/16/2012	14:47:11	157	4.2	11.27	138.7	
06/16/2012	14:47:41	160	4.2	11.25	140.8	
06/16/2012	14:48:11	161	4.2	11.25	142.9	
06/16/2012	14:48:41	158	4.2	11.24	145.0	
06/16/2012	14:49:11	156	4.2	11.21	147.1	
06/16/2012	14:49:41	142	4.3	11.22	149.2	
06/16/2012	14:50:11	146	4.3	11.19	151.3	
06/16/2012	14:50:41	-2	0.5	11.43	153.2	
06/16/2012	14:51:11	-1	0.0	11.41	153.2	
06/16/2012	14:51:41	-1	0.0	11.40	153.2	
06/16/2012	14:52:11	-1	0.0	11.40	153.2	
06/16/2012	14:52:41	-1	0.0	11.40	153.2	
06/16/2012	14:52:54					Reset Total, Vol = 153.18 bbl

Well		Field	Job Start	Customer	Job Number	
Robin 36-34-8 1H Robin 36-34-8 1H		Mississippi Lime	Jun/16/2012	Chesapeake	8589-00243	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/16/2012	14:53:03					Start displacement
06/16/2012	14:53:03	-1	0.0	11.40	0.0	
06/16/2012	14:53:11	-1	0.0	11.40	0.0	
06/16/2012	14:53:41	-0	0.0	11.40	0.0	
06/16/2012	14:54:11	0	0.0	11.39	0.0	
06/16/2012	14:54:41	-0	0.0	11.40	0.0	
06/16/2012	14:54:54					Kick plug out with 2 bbls mudpush finish displacement with water
06/16/2012	14:54:54	22	0.5	10.74	0.0	
06/16/2012	14:55:11	21	1.1	9.07	0.2	
06/16/2012	14:55:25					Top plug lunched
06/16/2012	14:55:25	72	2.6	9.28	0.6	
06/16/2012	14:55:41	44	3.4	9.51	1.5	
06/16/2012	14:56:11	73	4.0	9.34	3.2	
06/16/2012	14:56:41	85	4.3	8.99	5.4	
06/16/2012	14:57:11	78	4.4	8.65	7.6	
06/16/2012	14:57:41	74	4.5	8.52	9.8	
06/16/2012	14:58:11	158	7.2	7.68	13.2	
06/16/2012	14:58:41	231	8.3	8.37	17.4	
06/16/2012	14:59:11	201	8.1	8.13	21.5	
06/16/2012	14:59:41	165	8.6	7.69	25.6	
06/16/2012	15:00:11	224	8.3	8.52	29.7	
06/16/2012	15:00:41	105	4.0	8.66	33.6	
06/16/2012	15:01:11	131	25.0	0.00	45.3	
06/16/2012	15:01:41	38	25.0	0.00	57.8	
06/16/2012	15:02:11	20	0.0	0.00	61.9	
06/16/2012	15:02:41	18	0.0	0.00	61.9	
06/16/2012	15:03:11	58	4.4	6.77	62.1	
06/16/2012	15:03:41	53	4.5	6.85	64.4	
06/16/2012	15:04:11	161	7.8	7.85	67.4	
06/16/2012	15:04:41	205	9.2	7.90	71.7	
06/16/2012	15:05:11	251	8.3	8.33	76.1	
06/16/2012	15:05:41	254	8.3	8.34	80.3	
06/16/2012	15:06:11	243	8.3	8.34	84.5	
06/16/2012	15:06:41	241	8.3	8.35	88.6	
06/16/2012	15:07:11	255	8.3	8.35	92.7	
06/16/2012	15:07:41	232	8.3	8.38	96.9	
06/16/2012	15:08:11	234	8.3	8.38	101.0	
06/16/2012	15:08:41	243	8.3	8.36	105.2	
06/16/2012	15:09:11	250	8.3	8.36	109.3	
06/16/2012	15:09:41	244	8.3	8.36	113.4	
06/16/2012	15:10:11	244	8.2	8.36	117.6	
06/16/2012	15:10:41	234	8.2	8.36	121.7	
06/16/2012	15:11:11	245	8.2	8.35	125.8	
06/16/2012	15:11:41	254	8.2	8.35	129.9	
06/16/2012	15:12:11	246	8.2	8.35	134.0	
06/16/2012	15:12:41	245	8.2	8.35	138.2	
06/16/2012	15:13:11	251	8.2	8.35	142.3	
06/16/2012	15:13:41	254	8.3	8.35	146.4	
06/16/2012	15:14:11	251	8.2	8.35	150.5	
06/16/2012	15:14:41	248	8.3	8.34	154.6	
06/16/2012	15:15:11	245	8.3	8.35	158.8	
06/16/2012	15:15:41	253	8.3	8.34	162.9	
06/16/2012	15:16:11	260	8.3	8.34	167.1	

Well		Field	Job Start	Customer	Job Number	
Robin 36-34-8 1H Robin 36-34-8 1H		Mississippi Lime	Jun/16/2012	Chesapeake	B589-00243	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate G/M	Density LB/G	Volume BBL	Message
06/16/2012	15:17:11	258	8.2	8.34	175.3	
06/16/2012	15:17:41	257	8.2	8.35	179.4	
06/16/2012	15:18:11	252	8.2	8.34	183.5	
06/16/2012	15:18:41	258	8.2	8.34	187.7	
06/16/2012	15:19:11	249	8.2	8.34	191.8	
06/16/2012	15:19:41	262	8.2	8.34	195.9	
06/16/2012	15:20:11	258	8.2	8.34	200.0	
06/16/2012	15:20:41	247	8.2	8.34	204.1	
06/16/2012	15:21:11	257	8.2	8.34	208.2	
06/16/2012	15:21:41	257	8.2	8.34	212.3	
06/16/2012	15:22:11	254	8.2	8.35	216.5	
06/16/2012	15:22:41	259	8.2	8.35	220.6	
06/16/2012	15:23:11	253	8.2	8.35	224.7	
06/16/2012	15:23:41	252	8.2	8.35	228.8	
06/16/2012	15:24:11	259	8.2	8.35	232.9	
06/16/2012	15:24:41	259	8.2	8.35	237.0	
06/16/2012	15:25:11	266	8.2	8.35	241.1	
06/16/2012	15:25:41	256	8.2	8.35	245.3	
06/16/2012	15:26:11	264	8.2	8.35	249.4	
06/16/2012	15:26:41	255	8.2	8.35	253.5	
06/16/2012	15:27:11	253	8.2	8.35	257.6	
06/16/2012	15:27:41	270	8.2	8.35	261.7	
06/16/2012	15:28:11	255	8.2	8.35	265.8	
06/16/2012	15:28:41	265	8.2	8.35	269.9	
06/16/2012	15:29:11	260	8.2	8.35	274.0	
06/16/2012	15:29:41	270	8.2	8.35	278.2	
06/16/2012	15:30:11	307	8.2	8.35	282.3	
06/16/2012	15:30:41	300	8.2	8.35	286.4	
06/16/2012	15:31:11	94	4.6	8.35	289.4	
06/16/2012	15:31:41	143	5.6	8.35	291.9	
06/16/2012	15:32:11	146	5.3	8.35	294.5	
06/16/2012	15:32:41	143	5.3	8.35	297.1	
06/16/2012	15:33:11	151	5.3	8.35	299.8	
06/16/2012	15:33:41	152	5.3	8.35	302.4	
06/16/2012	15:34:00					Well has returns
06/16/2012	15:34:00	154	5.3	8.35	304.1	
06/16/2012	15:34:11	151	5.3	8.35	305.1	
06/16/2012	15:34:41	160	5.3	8.35	307.7	
06/16/2012	15:35:11	165	5.2	8.35	310.3	
06/16/2012	15:35:41	167	5.2	8.35	312.9	
06/16/2012	15:36:11	187	5.2	8.35	315.5	
06/16/2012	15:36:41	188	5.2	8.35	318.1	
06/16/2012	15:37:11	201	5.2	8.35	320.7	
06/16/2012	15:37:41	197	5.2	8.35	323.3	
06/16/2012	15:38:11	220	5.2	8.35	325.9	
06/16/2012	15:38:41	220	5.2	8.35	328.5	
06/16/2012	15:39:11	220	5.2	8.35	331.1	
06/16/2012	15:39:41	229	5.2	8.35	333.7	
06/16/2012	15:40:11	239	5.2	8.35	336.3	
06/16/2012	15:40:41	245	5.2	8.35	338.9	
06/16/2012	15:41:11	260	5.2	8.35	341.5	
06/16/2012	15:41:41	283	5.2	8.35	344.1	
06/16/2012	15:42:11	278	5.2	8.35	346.7	
06/16/2012	15:42:41	269	5.2	8.35	349.3	

Well		Field	Job Start	Customer	Job Number	
Robin 36-34-8 1H Robin 36-34-8 1H		Mississippi Lime	Jun/16/2012	Chesapeake	B589-00243	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/16/2012	15:43:41	304	5.2	8.35	354.5	
06/16/2012	15:44:11	298	5.2	8.35	357.1	
06/16/2012	15:44:41	333	5.2	8.35	359.7	
06/16/2012	15:45:11	340	5.2	8.35	362.2	
06/16/2012	15:45:41	323	5.2	8.35	364.8	
06/16/2012	15:46:11	338	5.2	8.35	367.4	
06/16/2012	15:46:41	375	5.2	8.35	370.0	
06/16/2012	15:47:11	353	5.2	8.35	372.6	
06/16/2012	15:47:41	393	5.2	8.35	375.1	
06/16/2012	15:48:11	390	5.2	8.35	377.7	
06/16/2012	15:48:41	409	5.2	8.35	380.3	
06/16/2012	15:49:11	409	5.2	8.35	382.9	
06/16/2012	15:49:41	397	5.2	8.35	385.5	
06/16/2012	15:50:11	429	5.2	8.35	388.0	
06/16/2012	15:50:41	377	4.2	8.35	390.5	
06/16/2012	15:51:11	385	4.1	8.35	392.6	
06/16/2012	15:51:41	389	4.1	8.35	394.7	
06/16/2012	15:52:11	400	4.1	8.35	396.7	
06/16/2012	15:52:41	408	4.1	8.35	398.8	
06/16/2012	15:53:11	405	4.1	8.35	400.9	
06/16/2012	15:53:41	414	4.1	8.35	402.9	
06/16/2012	15:54:11	416	4.1	8.35	405.0	
06/16/2012	15:54:41	428	4.1	8.35	407.1	
06/16/2012	15:55:11	362	2.2	8.35	408.8	
06/16/2012	15:55:41	365	2.3	8.35	409.9	
06/16/2012	15:56:11	368	2.2	8.35	411.0	
06/16/2012	15:56:41	372	2.3	8.35	412.2	
06/16/2012	15:57:11	373	2.3	8.35	413.3	
06/16/2012	15:57:41	377	2.3	8.35	414.4	
06/16/2012	15:58:11	377	2.2	8.35	415.5	
06/16/2012	15:58:41	381	2.2	8.35	416.7	
06/16/2012	15:59:11	383	2.2	8.35	417.8	
06/16/2012	15:59:41	382	2.3	8.35	418.9	
06/16/2012	16:00:11	396	2.2	8.35	420.0	
06/16/2012	16:00:41	387	2.3	8.35	421.2	
06/16/2012	16:01:11	388	2.2	8.35	422.3	
06/16/2012	16:01:41	405	2.3	8.35	423.4	
06/16/2012	16:02:11	395	2.2	8.35	424.5	
06/16/2012	16:02:41	406	2.2	8.35	425.7	
06/16/2012	16:03:11	410	2.2	8.35	426.8	
06/16/2012	16:03:41	413	2.2	8.35	427.9	
06/16/2012	16:04:11	416	2.2	8.35	429.0	
06/16/2012	16:04:41	407	2.3	8.35	430.2	
06/16/2012	16:05:11	409	2.2	8.35	431.3	
06/16/2012	16:05:41	414	2.2	8.35	432.4	
06/16/2012	16:06:11	431	2.2	8.35	433.6	
06/16/2012	16:06:41	421	2.3	8.35	434.7	
06/16/2012	16:07:11	427	2.3	8.35	435.8	
06/16/2012	16:07:41	358	0.0	8.35	436.2	
06/16/2012	16:08:11	357	0.0	8.35	436.2	
06/16/2012	16:08:41	441	2.2	8.35	437.1	
06/16/2012	16:09:11	374	0.8	8.35	438.1	
06/16/2012	16:09:41	364	0.0	8.35	438.2	
06/16/2012	16:10:11	439	2.2	8.35	438.4	

Well		Field	Job Start	Customer	Job Number	
Robin 36-34-8 1H Robin 36-34-8 1H		Mississippi Lime	Jun/16/2012	Chesapeake	B589-00243	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/16/2012	16:11:11	362	0.0	8.35	438.7	
06/16/2012	16:11:41	360	0.0	8.35	438.7	
06/16/2012	16:12:11	358	0.0	8.35	438.7	
06/16/2012	16:12:41	357	0.0	8.35	438.7	
06/16/2012	16:13:11	355	0.0	8.35	438.7	
06/16/2012	16:13:41	353	0.0	8.35	438.7	
06/16/2012	16:14:11	352	0.0	8.35	438.7	
06/16/2012	16:14:41	350	0.0	8.35	438.7	
06/16/2012	16:15:11	349	0.0	8.35	438.7	
06/16/2012	16:15:31					Plug did not bump. Pumped 2 bls over by clients request
06/16/2012	16:15:31	348	0.0	8.35	438.7	
06/16/2012	16:15:41	347	0.0	8.35	438.7	
06/16/2012	16:15:46					Check floats
06/16/2012	16:15:46	347	0.0	8.35	438.7	
06/16/2012	16:16:11	10	0.0	8.35	438.7	
06/16/2012	16:16:41	11	0.0	8.35	438.7	
06/16/2012	16:17:11	11	0.0	8.35	438.7	
06/16/2012	16:17:41	11	0.0	8.35	438.7	
06/16/2012	16:18:11	11	0.0	8.35	438.7	
06/16/2012	16:18:41	10	0.0	8.35	438.7	
06/16/2012	16:19:11	11	0.0	8.35	438.7	
06/16/2012	16:19:41	11	0.0	8.35	438.7	
06/16/2012	16:20:11	10	0.0	8.35	438.7	
06/16/2012	16:20:41	11	0.0	8.35	438.7	
06/16/2012	16:21:11	11	0.0	8.35	438.7	
06/16/2012	16:21:41	74	0.0	8.35	438.8	
06/16/2012	16:22:11	69	0.0	8.35	438.8	
06/16/2012	16:22:41	36	0.3	8.35	440.7	
06/16/2012	16:23:11	36	0.0	8.35	440.7	
06/16/2012	16:23:41	54	0.0	8.35	440.7	
06/16/2012	16:24:11	23	0.0	8.35	440.7	
06/16/2012	16:24:41	27	0.0	8.33	440.7	
06/16/2012	16:25:11	30	0.0	8.34	440.7	
06/16/2012	16:25:41	37	0.0	8.34	440.7	
06/16/2012	16:26:11	53	0.0	8.34	440.7	
06/16/2012	16:26:41	50	0.0	8.34	440.7	
06/16/2012	16:27:11	51	0.0	8.34	440.7	
06/16/2012	16:27:41	20	0.0	8.33	440.7	
06/16/2012	16:28:11	15	0.0	8.33	440.7	
06/16/2012	16:28:41	13	0.0	8.33	440.7	
06/16/2012	16:29:11	13	0.0	8.33	440.7	
06/16/2012	16:29:41	13	0.0	8.33	440.7	
06/16/2012	16:30:11	18	0.0	8.33	440.7	
06/16/2012	16:30:41	18	0.0	8.34	440.7	
06/16/2012	16:30:44	18	0.0	8.33	440.7	
06/16/2012	16:30:44					Floats hold .5 bbl back



<b>Well</b> Robin 36-34-8 1H Robin 36-34-8 1H	<b>Field</b> Mississippi Lime	<b>Job Start</b> Jun/16/2012	<b>Customer</b> Chesapeake	<b>Job Number</b> B589-00243
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### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.9		0.0	25.0	153.0	0.0	20.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
5781	18	547			FreshWater	5.0 bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
	149.5 bbl	419.4 bbl	78 degF	<input type="checkbox"/>			
				Washed Thru Parts	To		
				<input type="checkbox"/>			
Customer or Authorized Representative		Schlumberger Supervisor			Circulation Lost	Job Completed	
Chesapeake Representative		Anthony Cucci			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
					-	-	



**Service Order for i-District Job 787813**

<b>Customer Name:</b> CHESAPEAKE OPERATING, INC. - FOR EI	<b>Person Taking Call:</b>	<b>Location:</b> EI Reno, OK WS	<b>Order Date:</b>	<b>Job Number:</b> 787813		
<b>Service Order Number:</b>	<b>Service Line:</b> Cementing EI Reno	<b>Supervisor:</b>	<b>Legal Location:</b>			
<b>Well Name and Number:</b> Robin, 36-34-8 SWD	<b>Pad/Platform:</b>	<b>Field:</b>	<b>County:</b> Harper	<b>State/Prov:</b> Kansas		
<b>Well Master Number:</b> 0631382600	<b>API/UWI:</b> 15077218480000	<b>Rig Name:</b> TRINIDAD #205	<b>Well Age:</b> New	<b>Sales Engineer:</b>		
<b>Job Type:</b> Cementing EI Reno – Intermediate	<b>Time Well Ready:</b>	<b>Deviation:</b> 0 deg	<b>Hole Size:</b> 12.25 in	<b>Well MD:</b>		
<b>Well TVD:</b> 5544 ft	<b>BHP:</b>	<b>BHST:</b> 145 °F	<b>BHCT:</b> 121 °F	<b>Treat Down:</b> Casing		
<b>Packer Type:</b>	<b>Packer Depth:</b>	<b>Well Head Connection:</b>	<b>HHP on Location:</b>	<b>Max Allowed Pressure:</b>		
<b>Max Allowed Ann Pressure:</b>		<b>Job Stage Description:</b>	<b>FTL Ticket/Quote Number :</b> B589-00243			
<b>Expected on Location:</b>	<b>Ready to Pump:</b>	<b>Job Start Date:</b>	<b>Job End Date:</b>			
<b>Leave for Job:</b>		<b>Arrive from Job:</b>				
<b>Casing/Tubing</b>			<b>Service Instructions:</b>			
<b>String Type</b>	<b>Depth</b>	<b>Size</b>	<b>Weight</b>	<b>Grade</b>	<b>Thread</b>	
Casing	5544 ft	9.625 in	40 lb/ft	P-110	BTC	
			To provide equipment, materials, personnel and services to safely cement a 9 5/8 in intermediate casing as per client's request.			
			Pump 20 bbl CW-100 bbl, 20 bbl of MUDPUSH II @ 9.5 PPG, 400 sks FlexSEAL @ 11.0PPG, drop top plug and displace according to client.			
<b>Client Contact</b>						
<b>Name</b>	<b>Voice</b>	<b>Fax</b>	<b>Email</b>	<b>Title</b>	<b>Company</b>	<b>Notes</b>
Jerry	832-426-6243					
<b>Notes:</b>						
TOC: 3350 ft -- volumes based on 12.25" OH + 10% XS						
Equipment: 9 5/8" HM & QC (BTC), top and bottom plugs, water hoses, air hoses, wash up hoses, mud hoses (contingency), 1 pump, 2 ABTs						
Make sure SVF monitors are working on the pump.						
<b>Follow attached pumping schedules and rates!</b>						
<b>Directions:</b>						
From Manchester Okla. Go north on 132/179 5.1 miles T/L on Rd 60 5.0 miles(half blacktop and half gravel) T/L on SW-50 rd 2.0 miles T/R into location.						

Materials			
Name	Description	Quantity	Density
CW 100	20 bbls CW-100	20.00 bbl	8.32 lb/gal
MUDPUSH II	20 bbls MUDPUSH II	20.00 bbl	9.50 lb/gal
FlexSEAL	400 sks FlexSEAL	840.00 ft3	11.00 lb/gal

**Fluid Systems:**

CW 100				
20 bbls CW-100				
Code	Conc	Design	Total by design	Load out with excess
D122A	0.500 gal/bbl	BVOWashVO	10.00 gal	10.00 gal
J237A	0.250 gal/bbl	BVOWashVO	5.00 gal	5.00 gal

MUDPUSH II				
20 bbls MUDPUSH II				
<i>Final Fluid Density:</i>		9.50 lb/gal	<i>Volume:</i> 20.00 bbl	
<i>Base Fluid Den:</i>		8.32 lb/gal	<i>Base Fluid Vol:</i> 18.94 bbl	
Code	Conc	Design	Total by design	Load out with excess
D182	5.000 lb/bbl	BWVSpacerVO	100.00 lb	100.00 lb
D020	2.000 lb/bbl	BWVSpacerVO	40.00 lb	40.00 lb
D031	61.180 lb/bbl	BWVSpacerVO	1,223.60 lb	1,223.60 lb

FlexSEAL Proprietary Blend				
400 sks FlexSEAL				
<i>Sacks Of:</i>		Cement	<i>Total Blend/Cem:</i> 40,000.00 lb	
<i>Sack Weight:</i>		100.00 lb	<i>Sacks Blend/Cem:</i> 400.00 sks	
<i>Yield:</i>		2.10 ft3/sk	<i>Final Fluid Density:</i> 11.00 lb/gal	
<i>Mix Water:</i>		7.87 gal/sk	<i>Mix Fluid:</i> 8.13 gal/sk	
Code	Conc	Design	Total by design	Load out with excess
D206	0.011 gal/sk	VOLSACK	4.40 gal	4.40 gal
D065	0.200 %	BWOB	80.00 lb	80.00 lb
D112	0.200 %	BWOB	80.00 lb	80.00 lb
D198	0.200 %	BWOB	80.00 lb	80.00 lb
D153	0.400 %	BWOB	160.00 lb	160.00 lb
D044	10.000 %	BWOW	2,620.47 lb	2,620.47 lb
J501	2.000 lb/bbl	WTVOL	299.22 lb	299.22 lb