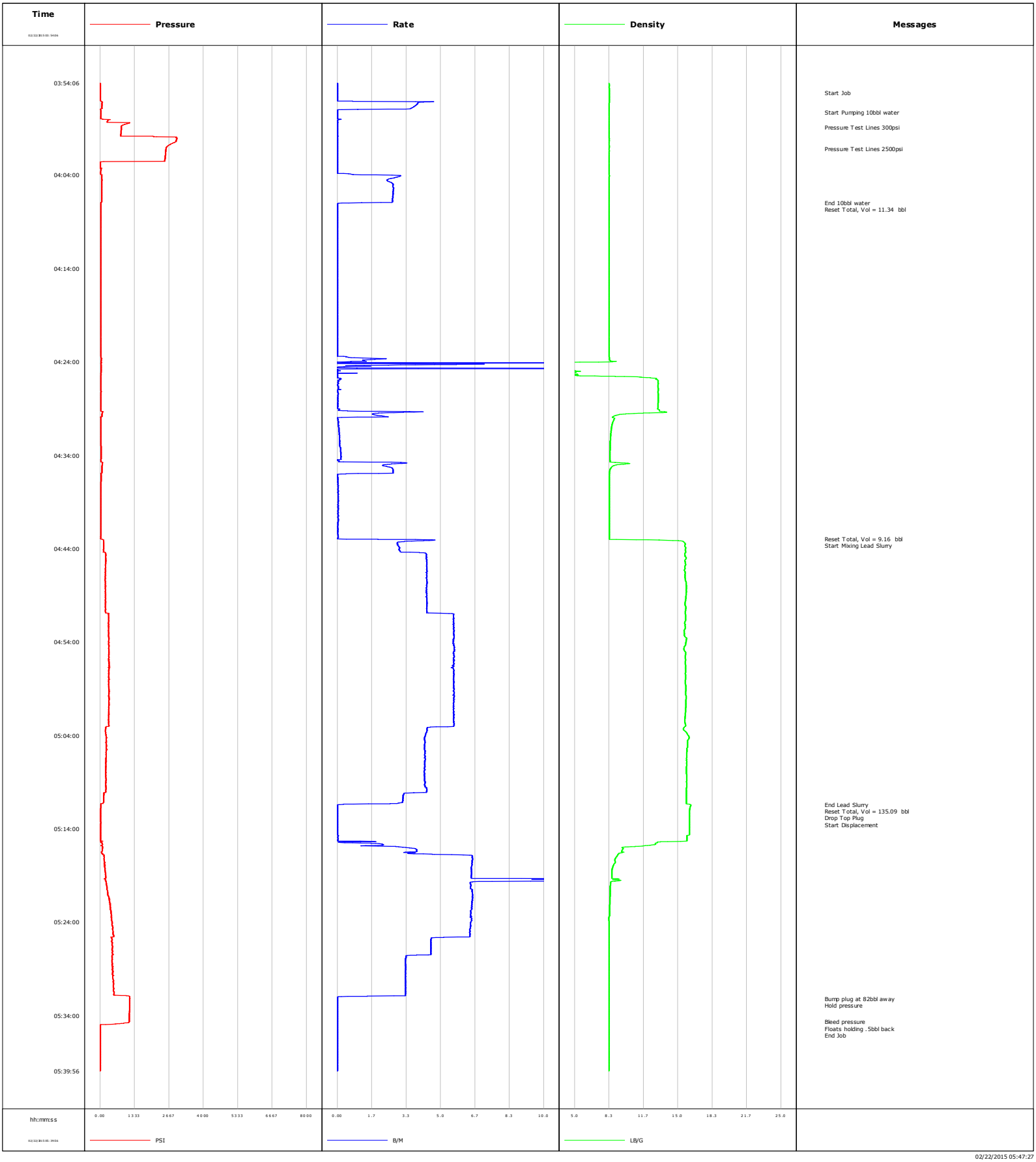
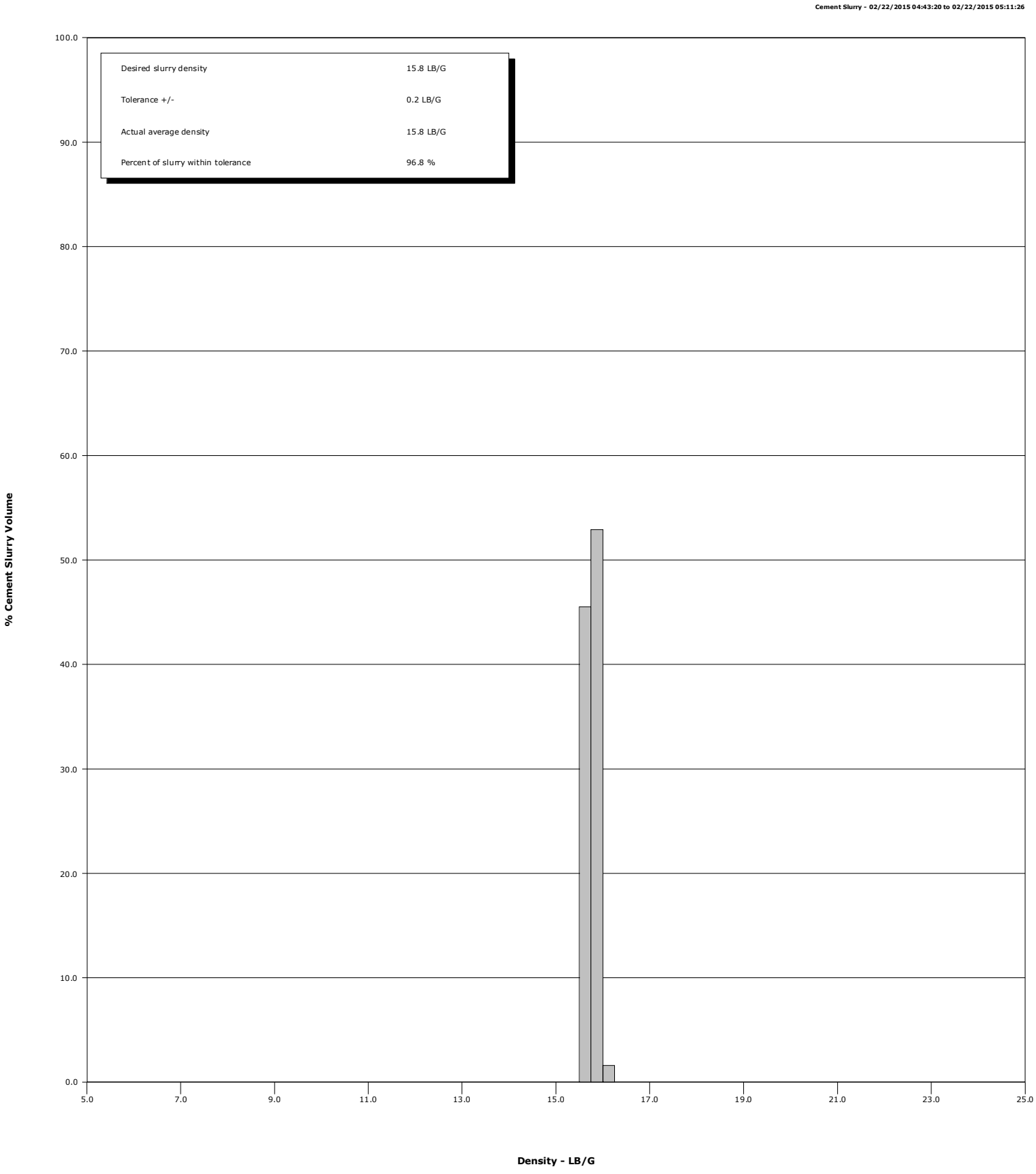
Cementing Job Report

Well	Martinez	**Client**	Extraction
Field	Wattenberg	**SIR No.**	D5VO-00314
Engineer	Chris Valerio/Charles Peavey	**Job Type**	Surface
Country	United States	**Job Date**	02-22-2015



Cementing Qa/Qc Density Report

Well	Martinez	**Client**	Extraction
Field	Wattenberg	**SIR No.**	D5VO-00314
Engineer	Chris Valerio/Charles Peavey	**Job Type**	Surface
Country	United States	**Job Date**	02-22-2015



Schlumberger

Cementing Service Report

Customer	Job Number
Extraction	D5VO-00314

Well	Location (legal)	Schlumberger Location	Job Start
Martinez 3-5-6			Feb/22/2015

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Wattenberg	Shale	deg	13.5 in	1109.0 ft	1109.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Weld	Colorado	psi	94 degF	82 degF	lb/gal

Well Master	API/UWI
0631619613	

Rig Name	Drilled For	Service Via
Savanna#802	Oil	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
Other	8.50 lb/gal	cP

Service Line	Job Type
Cementing	Surface

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
2000 psi	psi	Single Cement head

Service Instructions

10bbl water
138bbl 662sks CMT @ 15.8# 1.17 Yield 5.11 gal/sk water

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
60.0	16.0	55.0		8RD
1109.0	9.6	36.0	J55	8RD

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
ft	ft			ft
ft	ft			Diameter
ft	ft			in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	82.0 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
bbl	85.7 bbl	99.0 bbl	bbl

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement
X	X

Lift Pressure	psi

Pipe Rotated	Pipe Reciprocated
☐	☐

No. Centralizers	Top Plugs	Bottom Plugs
	1	

Cement Head Type	Single

Job Scheduled For	Arrived on Location	Leave Location
Feb/20/2015 17:00	Feb/20/2015 17:00	Feb/22/2015 07:00

Casing Tools		Squeeze Job	
Shoe Type	Float	Squeeze Type	
Shoe Depth	1109.0 ft	Tool Type	
Stage Tool Type		Tool Depth	ft
Stage Tool Depth	ft	Tail Pipe Size	in
Collar Type	Float	Tail Pipe Depth	ft
Collar Depth	1061.0 ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Trating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
02/22/2015	03:54:06	5	0.0	8.35	0.0	Started Acquisition
02/22/2015	03:55:10	3	0.0	8.35	0.0	Start Job
02/22/2015	03:57:17	23	0.0	8.35	3.2	Start Pumping 10bbl water
02/22/2015	03:58:52	821	0.0	8.35	3.2	Pressure Test Lines 300psi
02/22/2015	04:01:10	2550	0.0	8.35	3.2	Pressure Test Lines 2500psi
02/22/2015	04:06:57	27	0.5	8.34	11.3	End 10bbl water
02/22/2015	04:07:01	25	0.0	8.34	11.3	Reset Total, Vol = 11.34 bbl
02/22/2015	04:42:57	35	0.5	8.35	20.5	Reset Total, Vol = 9.16 bbl
02/22/2015	05:11:26	26	0.0	16.25	155.6	End Lead Slurry
02/22/2015	05:11:33	26	0.0	16.23	155.6	Reset Total, Vol = 135.09 bbl
02/22/2015	05:11:38	26	0.0	16.20	155.6	Drop Top Plug
02/22/2015	05:11:40	25	0.0	16.19	155.6	Start Displacement
02/22/2015	05:32:14	1144	0.0	8.34	242.4	Bump plug at 82bbl away
02/22/2015	05:32:33	1139	0.0	8.34	242.4	Hold pressure
02/22/2015	05:34:41	1132	0.0	8.34	242.4	Bleed pressure
02/22/2015	05:35:26	5	0.0	8.34	242.4	Floats holding . 5bbl back

Well	Field	Job Start	Customer	Job Number
Martinez 3-5-6	Wattenberg	Feb/22/2015	Extraction	D5VO-00314

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3.4			6.5	138.0	0.0	20.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1144	0	254	1144			bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
%	138.0 bbl	82.0 bbl	69 degF	X	39.0 bbl
				Washed Thru Perfs	To ft

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Shawn McIntyre	Chris Valerio/Charles Peavey	-	X
		-	-