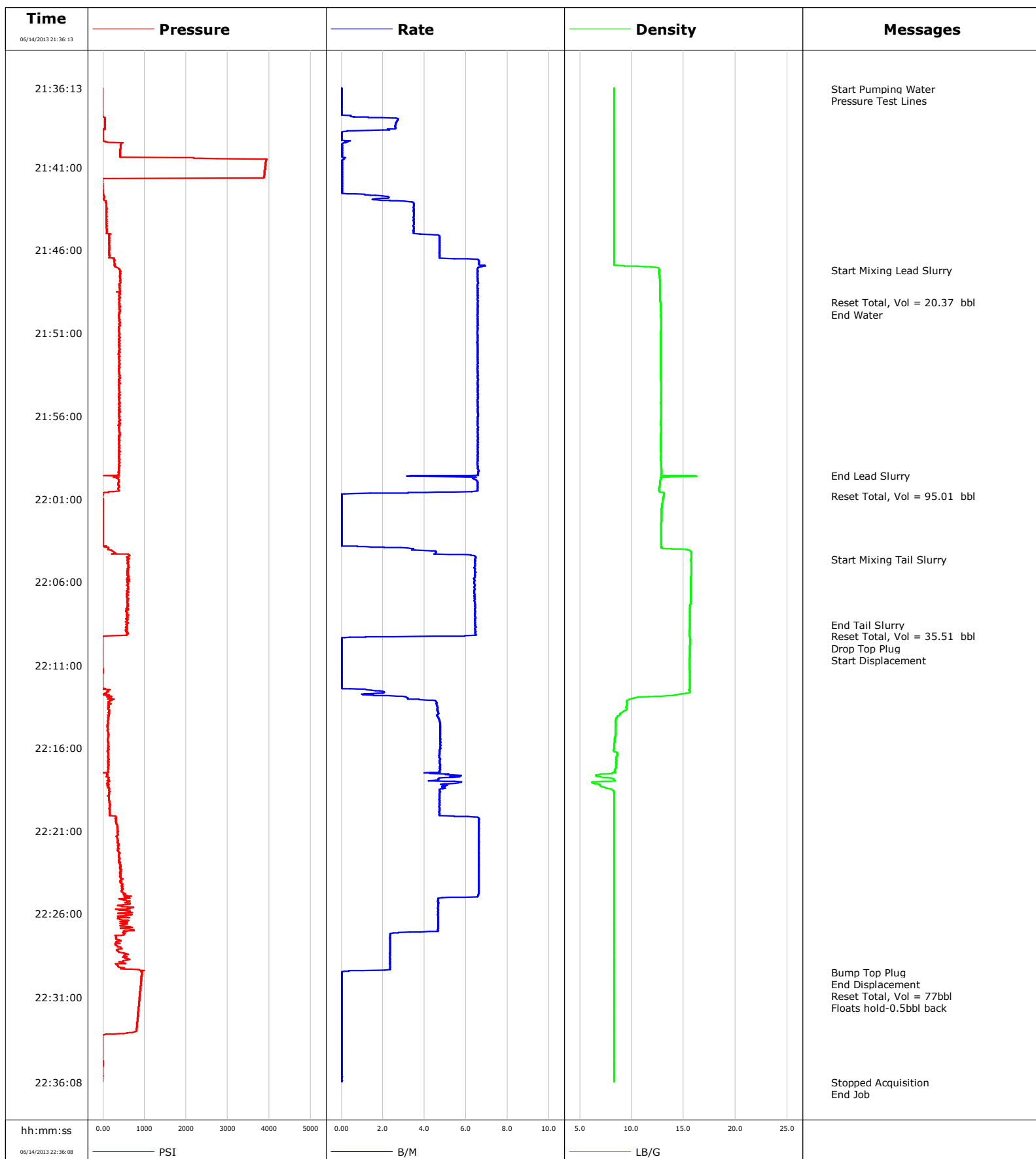


Well Hagen 15-14D
Field Parachute
Engineer Michael Simon
Country United States

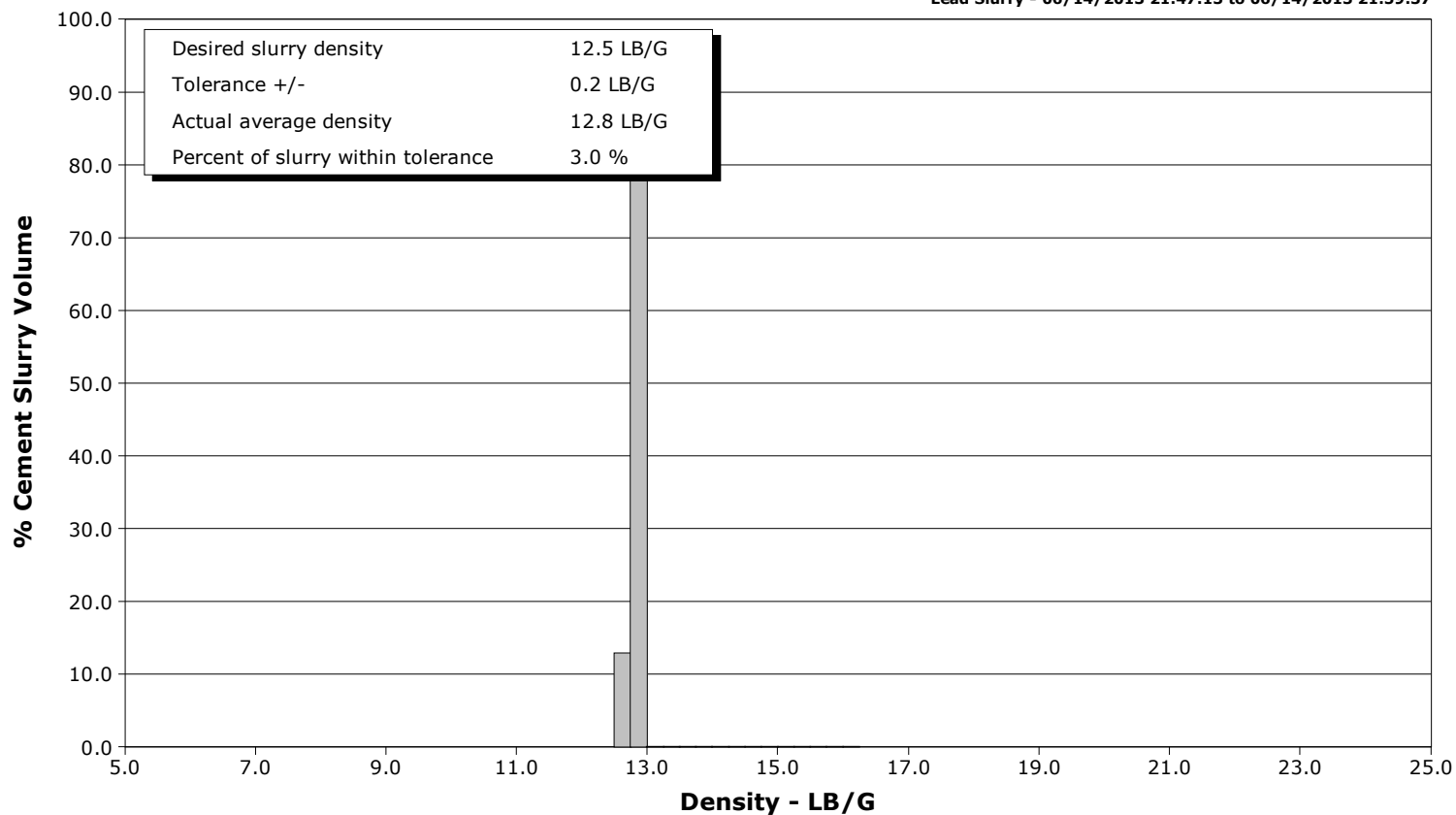
Client Enacna
SIR No. C459-01504
Job Type Surface
Job Date 06-14-2013



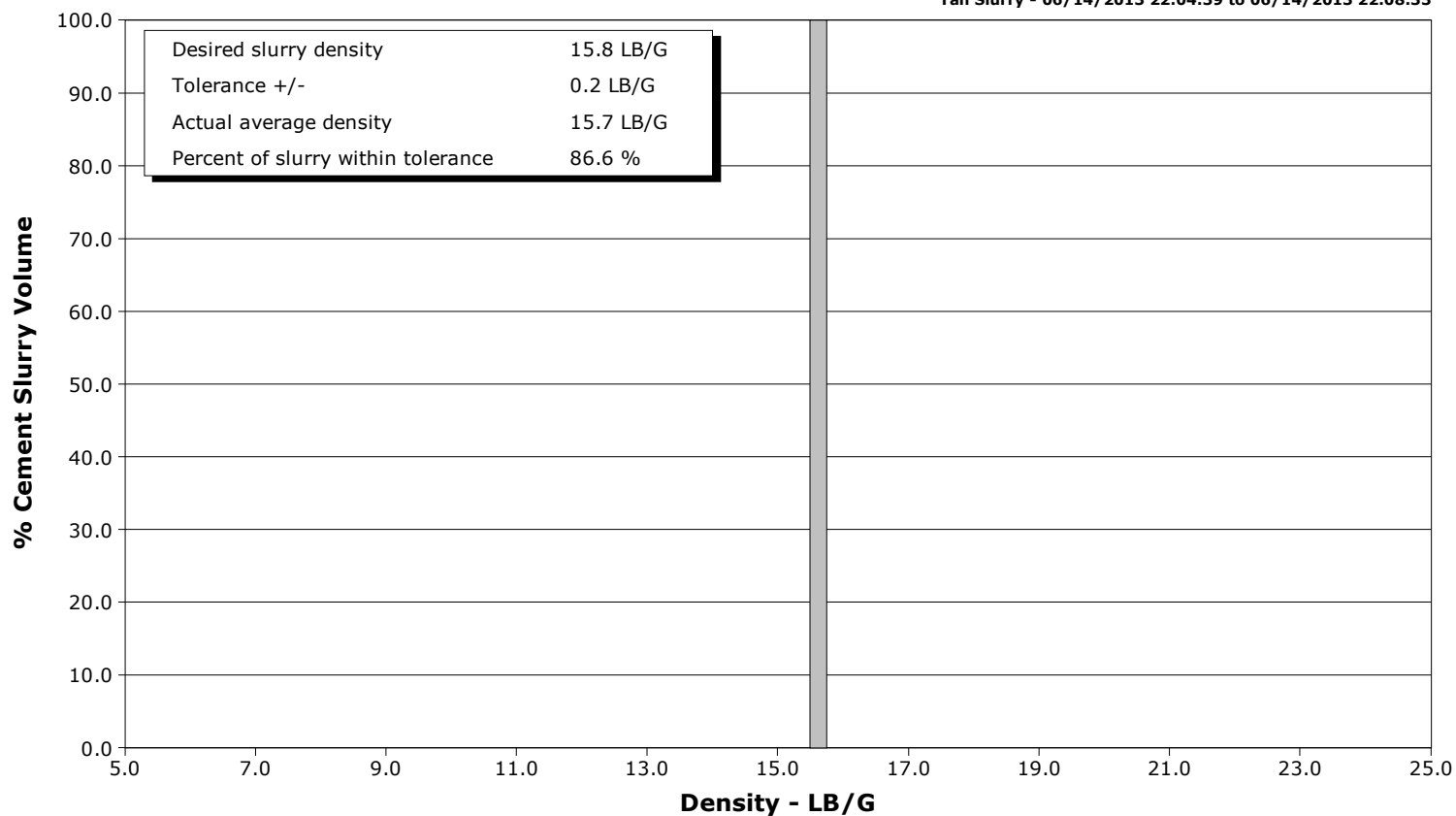
Well Hagen 15-14D
Field Parachute
Engineer Michael Simon
Country United States

Client Enacna
SIR No. C459-01504
Job Type Surface
Job Date 06-14-2013

Lead Slurry - 06/14/2013 21:47:13 to 06/14/2013 21:59:37



Tail Slurry - 06/14/2013 22:04:39 to 06/14/2013 22:08:33





Cementing Service Report

					Customer Enacna			Job Number C459-01504							
Well Hagen 15-14D 15-14D				Location (legal) Grand Junction			Schlumberger Location Rock Springs			Job Start Jun/14/2013					
Field Parachute		Formation Name/Type			Deviation		Bit Size 12.7 in		Well MD 1043.0 ft		Well TVD 1043.0 ft				
County Garfield		State/Province Colorado			BHP		BHST 94 degF		BHCT 85 degF		Pore Press. Gradient				
Well Master 0631473068		API/UWI 05045220220000													
Rig Name Patterson 303		Drilled For Gas		Service Via Land		Casing/Liner									
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
						1041.5		9.630		36.0		J55		8RD	
						0.0		0.000		0.0					
Drilling Fluid Type Bentonite		Max. Density 8.80 lb/gal		Plastic Viscosity		Tubing/Drill Pipe									
Service Line Cementing		Job Type Surface				Depth,		Size,		Weight,		Grade		Thread	
Max. Allowed Tub. Press 4000 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole									
Service Instructions						Top,		Bottom,				No. of Shots		Total Interval	
Treat Down Coiled Tubing				Displacement 77.0 bbl				Packer Type				Packer Depth			
Tubing Vol.				Casing Vol. 80.5 bbl				Annular Vol. 72.0 bbl				Openhole Vol. 156.0 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 515 psi						Shoe Type Guide				Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1041.5 ft				Tool Type					
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth					
Cement Head Type Single						Stage Tool Depth				Tail Pipe Size					
Job Scheduled For Jun/14/2013		Arrived on Location Jun/14/2013		Leave Location Jun/14/2013		Collar Type Float				Tail Pipe Depth					
						Collar Depth 995.8 ft				Sqz. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message								
06/14/2013	20:38:41						Started Acquisition								
06/14/2013	21:36:10						Start Job								
06/14/2013	21:36:13	-19	0.0	8.30	0.0	0.0									
06/14/2013	21:36:17						Start Pumping Water								
06/14/2013	21:36:17	-19	0.0	8.30	0.0	0.0									
06/14/2013	21:36:19						Pressure Test Lines								
06/14/2013	21:36:19	-19	0.0	8.30	0.0	0.0									
06/14/2013	21:38:41	39	2.6	8.30	1.8	1.8									
06/14/2013	21:41:41	255	0.0	8.30	2.3	2.3									
06/14/2013	21:44:41	80	3.5	8.30	8.7	8.7									
06/14/2013	21:47:13						Start Mixing Lead Slurry								
06/14/2013	21:47:13	394	6.6	12.67	21.6	21.6									
06/14/2013	21:47:41	410	6.6	12.72	24.6	24.6									
06/14/2013	21:49:10						Reset Total, Vol = 20.37 bbl								
06/14/2013	21:49:10	392	6.5	12.78	34.4	34.4									
06/14/2013	21:49:11						End Water								
06/14/2013	21:49:11	388	6.5	12.78	0.1	0.1									
06/14/2013	21:50:41	383	6.6	12.82	9.9	9.9									
06/14/2013	21:53:41	405	6.6	12.78	29.6	29.6									
06/14/2013	21:56:41	377	6.6	12.82	49.3	49.3									
06/14/2013	21:59:37						End Lead Slurry								

Well			Field		Job Start	Customer	Job Number
Hagen 15-14D 15-14D			Parachute		Jun/14/2013	Enacna	C459-01504
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message
06/14/2013	21:59:41	389	6.4	12.98	68.8	68.8	
06/14/2013	22:00:49						Reset Total, Vol = 95.01 bbl
06/14/2013	22:00:49	-13	0.0	13.09	75.0	75.0	
06/14/2013	22:02:41	-3	0.0	12.84	0.0	0.0	
06/14/2013	22:04:39						Start Mixing Tail Slurry
06/14/2013	22:04:39	614	6.4	15.71	3.7	3.7	
06/14/2013	22:05:41	619	6.4	15.71	10.3	10.3	
06/14/2013	22:08:33						End Tail Slurry
06/14/2013	22:08:33	570	6.5	15.59	28.8	28.8	
06/14/2013	22:08:40						Reset Total, Vol = 35.51 bbl
06/14/2013	22:08:40	594	6.4	15.59	29.5	29.5	
06/14/2013	22:08:41	594	6.4	15.59	0.1	0.1	
06/14/2013	22:09:16						Drop Top Plug
06/14/2013	22:09:16	1	5.9	15.55	3.9	3.9	
06/14/2013	22:09:17						Start Displacement
06/14/2013	22:09:17	1	4.5	15.55	3.9	3.9	
06/14/2013	22:11:41	-13	0.0	15.58	4.1	4.1	
06/14/2013	22:14:41	102	4.7	8.47	12.8	12.8	
06/14/2013	22:17:41	96	5.8	6.55	27.1	27.1	
06/14/2013	22:20:41	342	6.6	8.31	42.5	42.5	
06/14/2013	22:23:41	407	6.6	8.31	62.4	62.4	
06/14/2013	22:26:41	463	4.7	8.31	78.9	78.9	
06/14/2013	22:29:31						Bump Top Plug
06/14/2013	22:29:31	943	0.0	8.31	86.3	86.3	
06/14/2013	22:29:32						End Displacement
06/14/2013	22:29:32	924	0.0	8.31	86.3	86.3	
06/14/2013	22:29:41	935	0.0	8.31	86.3	86.3	
06/14/2013	22:29:42						Reset Total, Vol = 77bbl
06/14/2013	22:29:42	929	0.0	8.31	86.3	86.3	
06/14/2013	22:30:11						Floats hold-0.5bbl back
06/14/2013	22:30:11	912	0.0	8.31	86.4	86.4	
06/14/2013	22:32:41	815	0.0	8.31	86.4	86.4	
06/14/2013	22:35:41	-12	0.0	8.31	86.4	86.4	
06/14/2013	22:36:08	-12	0.0	8.31	0.0	0.0	
06/14/2013	22:36:08						Stopped Acquisition

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 4.3	N2	Mud 0.0	Maximum Rate 6.9		Total Slurry 130.0	Mud 0.0	Spacer 20.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 3947	Final -17	Average 471	Bump Plug to 750	Breakdown	Type		Volume		Density		
Avg. N2 Percent		Designed Slurry Volume 125.0 bbl		Displacement 77.0 bbl		Mix Water Temp 80 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 35.0 bbl	
								Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Vlad Kochetov			Schlumberger Supervisor Michael Simon				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>		
							-		-		