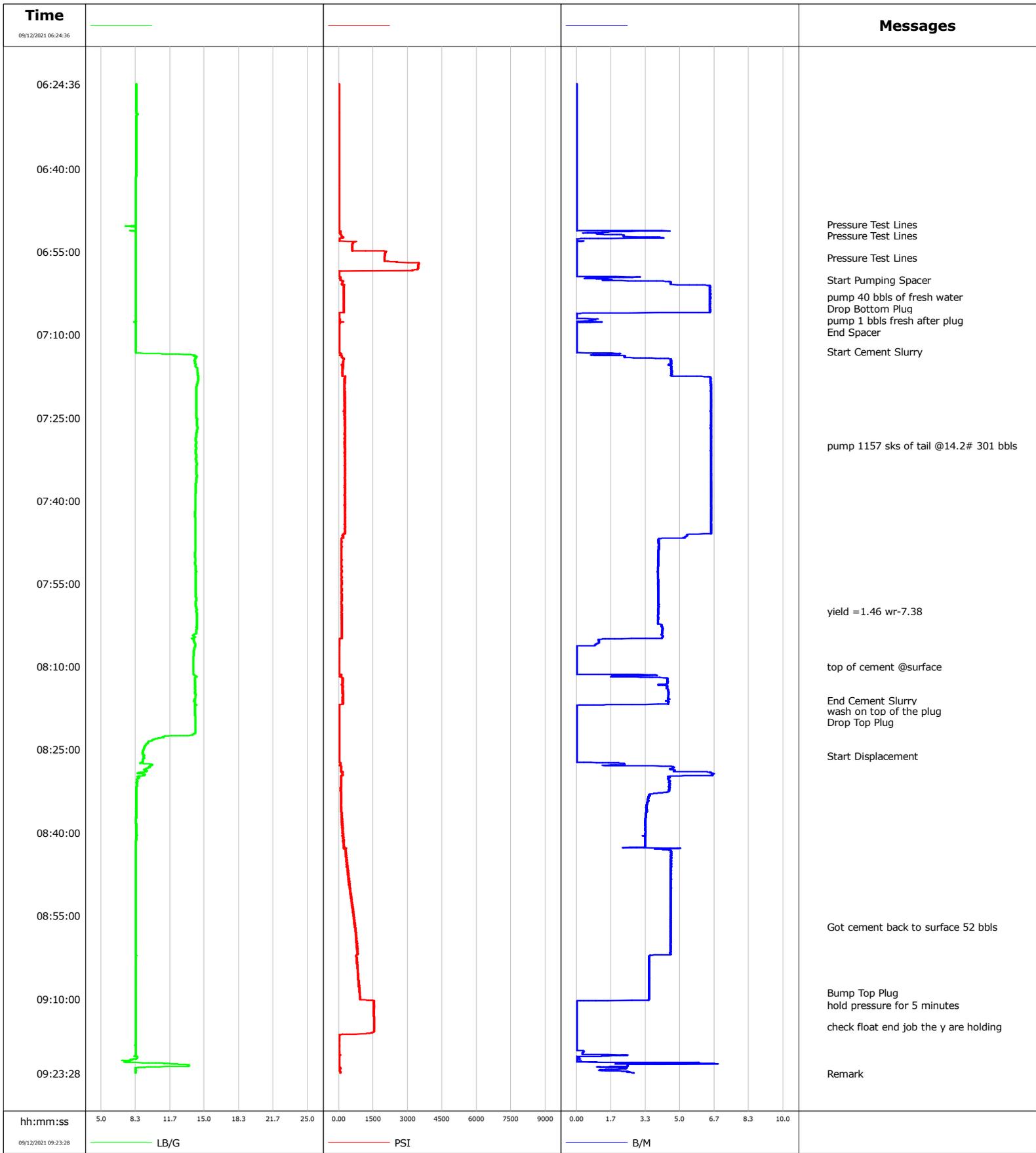


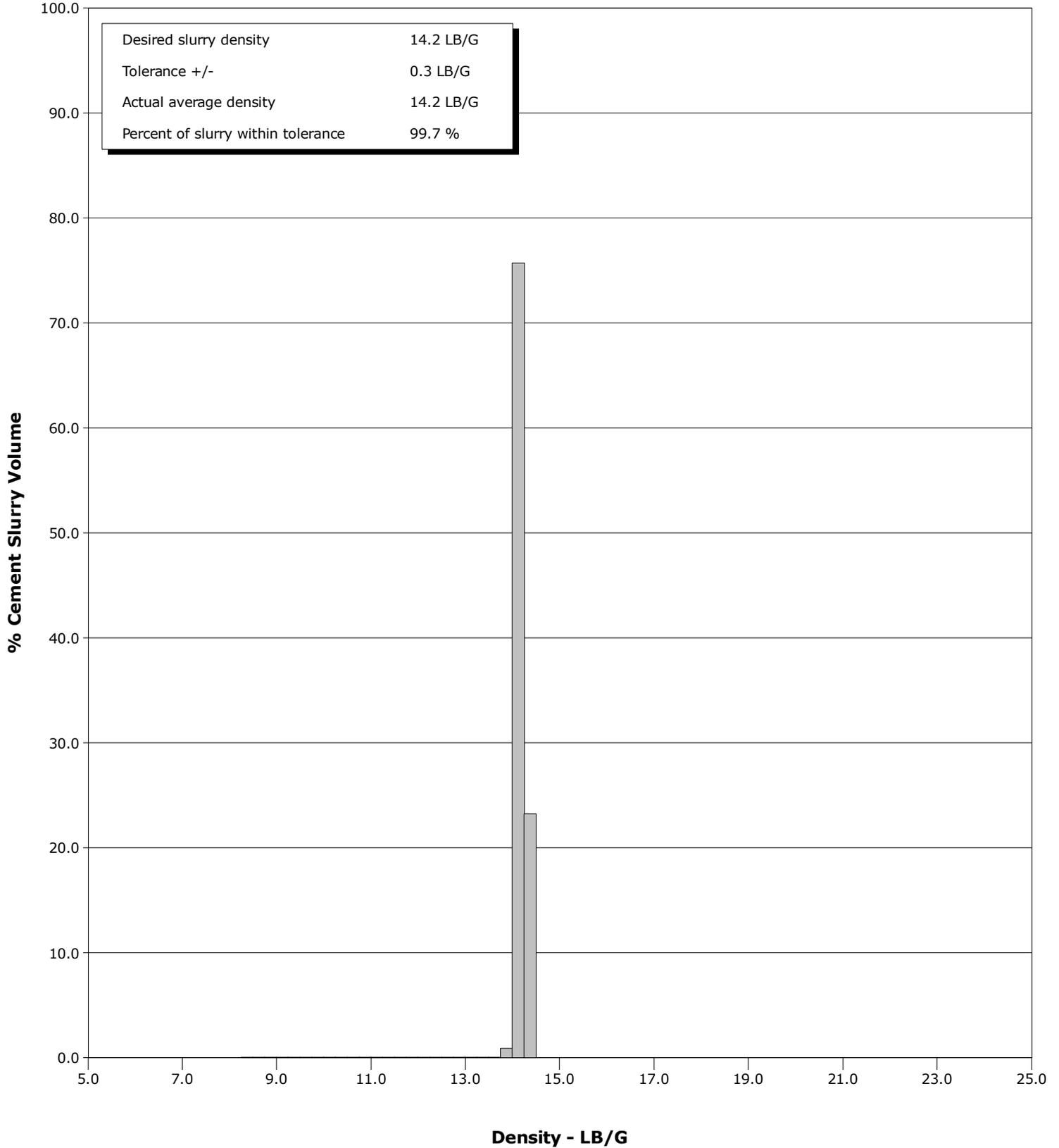
Well	GRANDE	Client	CRESTONE
Field	DJ	SIR No.	3236253
Engineer	ALBERT SNYDER	Job Type	SURFACE
Country	United States	Job Date	09-12-2021



Well GRANDE
Field DJ
Engineer ALBERT SNYDER
Country United States

Client CRESTONE
SIR No. 3236253
Job Type SURFACE
Job Date 09-12-2021

Cement Slurry - 09/12/2021 07:13:00 to 09/12/2021 08:16:00



				Customer			Job Number			
				CRESTONE			3236253			
Well		Location (legal)		Schlumberger Location			Job Start			
GRANDE 4-65-20-19 4AH		4-65-20-19 4AH		CWY			Sep/12/2021			
Field		Formation Name/Type		Deviation	Bit Size		Well MD		Well TVD	
DJ				deg	in		2321.0 ft		ft	
County		State/Province		BHP	BHST		BHCT		Pore Press. Gradient	
ARAPAHO		Colorado		psi	103 degF		84 degF		lb/gal	
Well Master		API/UWI								
066211170		066211170								
Rig Name	Drilled For		Service Via	Casing/Liner						
E 122	Oil & Gas		Land	Depth, ft		Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class		Well Type	80.0	16.0	65.0	110	8RD		
N/A	New		Development	2301.0	9.6	40.0	110	8RD		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe						
LT OBM		8.70 lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Service Line		Job Type								
Cementing		SURFACE								
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection	Perforations/Open Hole						
psi	psi			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
				ft	ft			ft		
				ft	ft			Diameter		
				ft	ft			in		
Service Instructions		Treat Down	Displacement		Packer Type		Packer Depth			
Fill lines with 5 bbls of fresh water, test lines low=500 psi high=3000 psi, pump 40 bbls of water spacer, drop bottom plug, pump 1157 sks of tail @14.2# drop top plug wash on top of the plug,displace 172 bbls, bump plug 850 psi hold 1500 psi on for 5 mnutes check float they are holding end job got back 52 bbls to the surface		Casing	172.0 bbl				ft			
		Tubing Vol.	Casing Vol.		Annular Vol.		Openhole Vol.			
		bbl	174.0 bbl		4.0 bbl		201.0 bbl			
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement	Casing Tools						Squeeze Job	
<input type="checkbox"/>		<input checked="" type="checkbox"/>								
Lift Pressure		Shoe Type	Shoe Depth			Squeeze Type				
750 psi		Float	2301.0 ft							
Pipe Rotated		Pipe Reciprocated	Stage Tool Type						Tool Depth	
<input type="checkbox"/>		<input type="checkbox"/>							ft	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Depth				Tail Pipe Size		
				ft				in		
Cement Head Type		Job Scheduled For	Arrived on Location		Leave Location		Collar Type		Tail Pipe Depth	
Single		Sep/12/2021 05:00	Sep/12/2021 05:30		Sep/12/2021 10:30		Float		ft	
		Collar Depth	Sqz. Total Vol.							
		2271.0 ft	bbl							
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_DOWNHOLE_DENSITY LB/G		Message				
09/12/2021	06:24:36	5	0.0	8.42		Started Acquisition				
09/12/2021	06:50:00	3	0.0	8.39		Pressure Test Lines				
09/12/2021	06:52:00	123	2.3	8.39		Pressure Test Lines				
09/12/2021	06:56:00	1996	0.0	8.39		Pressure Test Lines				
09/12/2021	07:00:00	89	1.7	8.39		Start Pumping Spacer				
09/12/2021	07:03:00	212	6.4	8.39		pump 40 bbls of fresh water				
09/12/2021	07:04:00	216	6.5	8.39		Drop Bottom Plug				
09/12/2021	07:06:00	77	4.0	8.39		pump 1 bbls fresh after plug				
09/12/2021	07:07:00	30	0.0	8.39		End Spacer				
09/12/2021	07:13:00	22	0.0	8.38		Start Cement Slurry				
09/12/2021	07:30:00	281	6.5	14.15		pump 1157 sks of tail @14.2# 301 bbls				
09/12/2021	08:00:00	126	3.9	14.23		yield =1.46 wr-7.38				
09/12/2021	08:10:00	19	0.0	13.91		top of cement @surface				
09/12/2021	08:16:00	175	4.4	14.04		End Cement Slurry				
09/12/2021	08:18:00	23	0.0	14.08		wash on top of the plug				
09/12/2021	08:20:00	24	0.0	14.10		Drop Top Plug				
09/12/2021	08:57:00	706	4.6	8.39		Got cement back to surface 52 bbls				
09/12/2021	09:09:00	910	3.5	8.39		Bump Top Plug				
09/12/2021	09:10:00	932	3.5	8.39		hold pressure for 5 minutes				
09/12/2021	09:15:00	1533	0.0	8.39		check float end job the y are holding				

Well GRANDE 4-65-20-19 4AH	Field DJ	Job Start Sep/12/2021	Customer CRESTONE	Job Number 3236253
--------------------------------------	--------------------	---------------------------------	-----------------------------	------------------------------

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.6	N2	Mud	Maximum Rate 6.9	Total Slurry 301.0	Mud 0.0	Spacer 40.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3491	Final 78	Average 302	Bump Plug to 850	Breakdown	Type FreshWater	Volume 172.0 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 175.0 bbl	Displacement 172.0 bbl	Mix Water Temp 75 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 52.0 bbl			
				Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative RICCKY/JOHN			Schlumberger Supervisor ALBERT SNYDER		Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>		
				-	-			



Service Quality Evaluation

Client:	CRESTONE
Field:	DJ
Rig:	E 122
Well:	GRANDE
Service Line:	Cementing
Job Type:	SURFACE

Service Order #:	
Date:	Sep/12/2021
Operating Time (hh:mm):	00:00
Client Rep:	RICCKY/JOHN
Schlumberger Engineer:	ALBERT SNYDER
Schlumberger FSM:	

Main Objective:

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1c	Wellsite left clean	4	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

3	Execution				
3a	Lost time < 30 mins	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested successfully	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested successfully	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped as per design	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

Total 0%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: