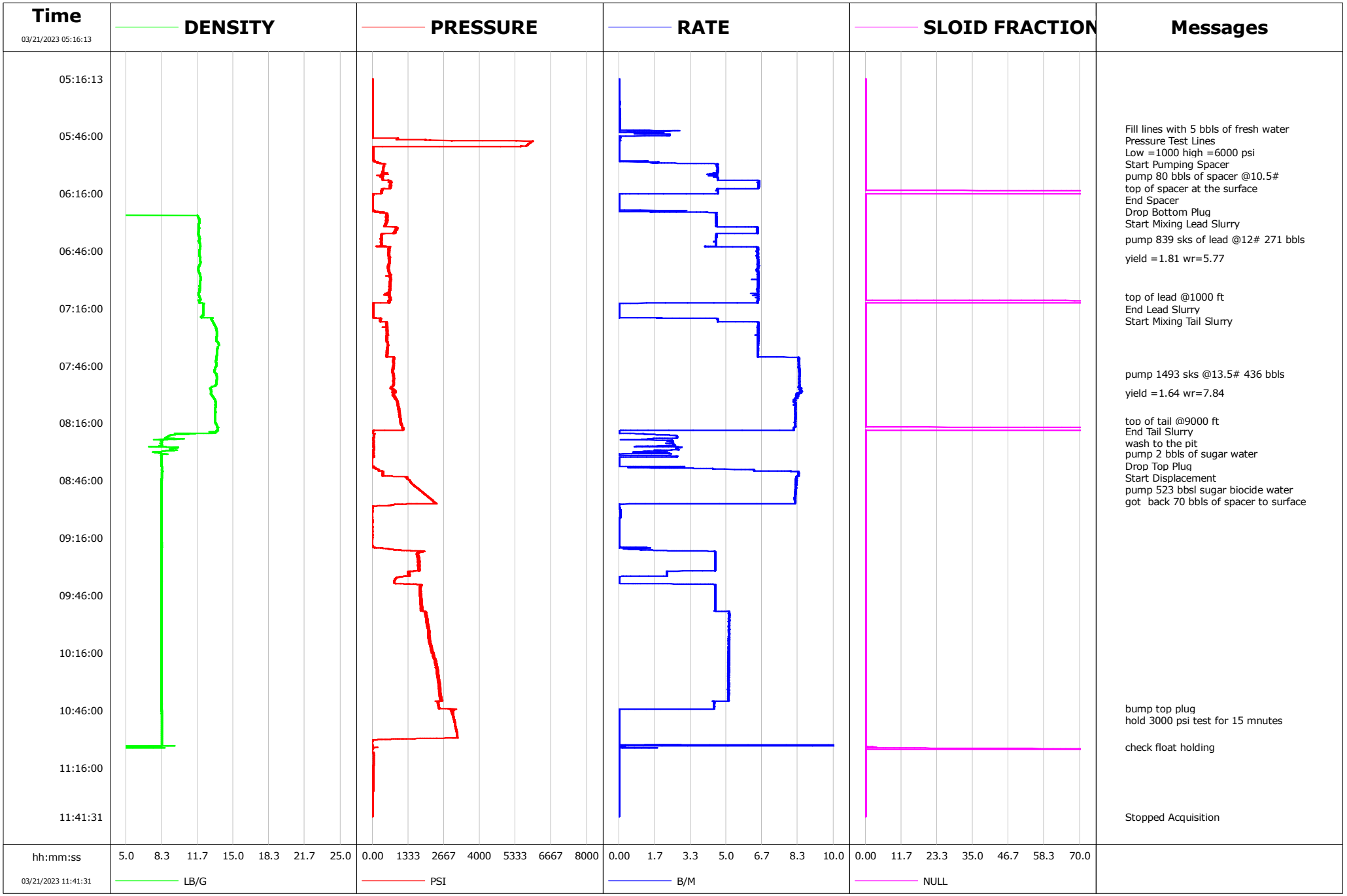
Schlumberger Cementing Job Report

Well	BERRY FARMS	**Client**	OXY
Field	DJ	**SIR No.**	3275102
Engineer	ALBERT SNYDER	**Job Type**	PRODUCTION
Country	United States	**Job Date**	03-21-2023

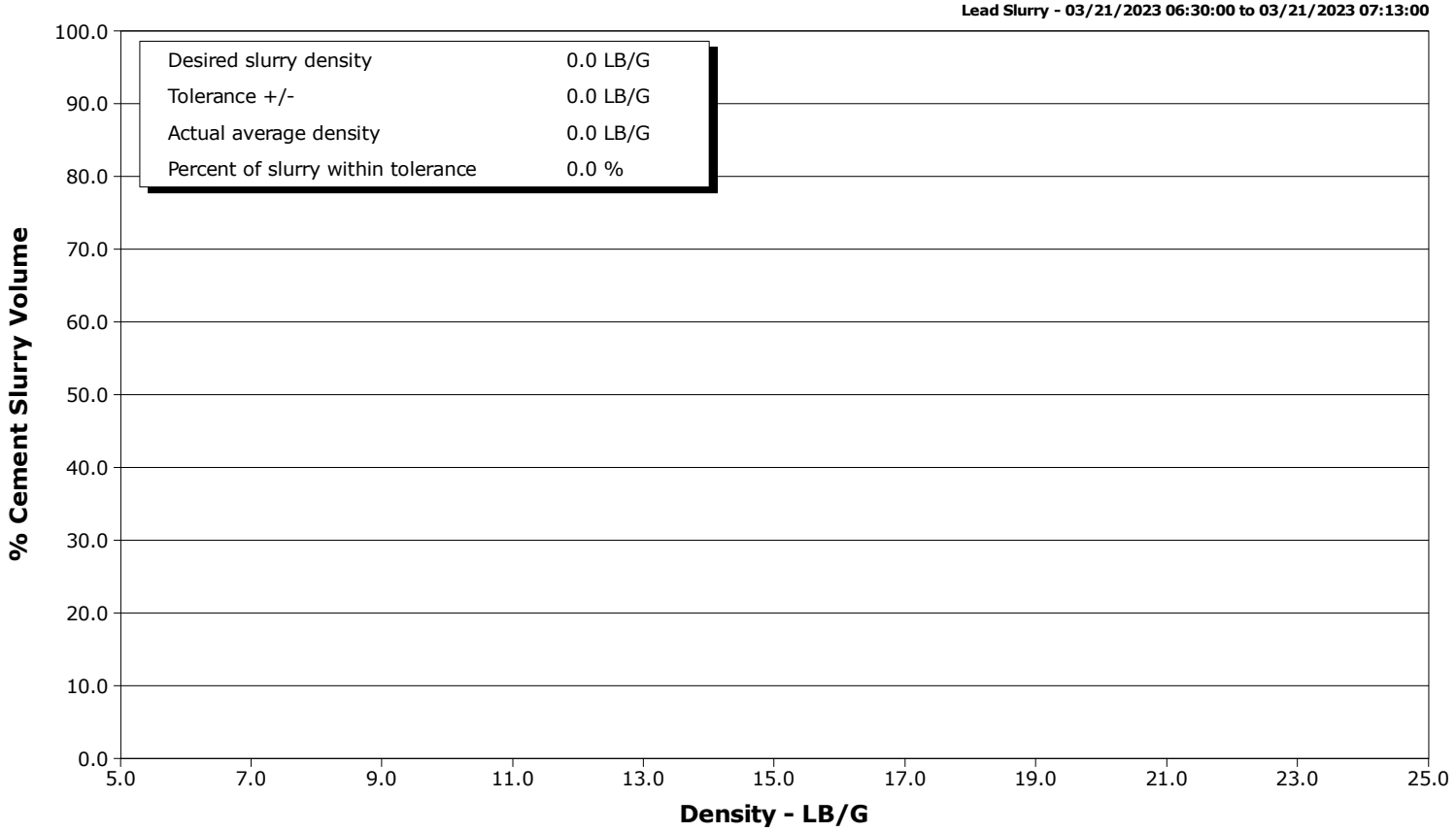


Schlumberger

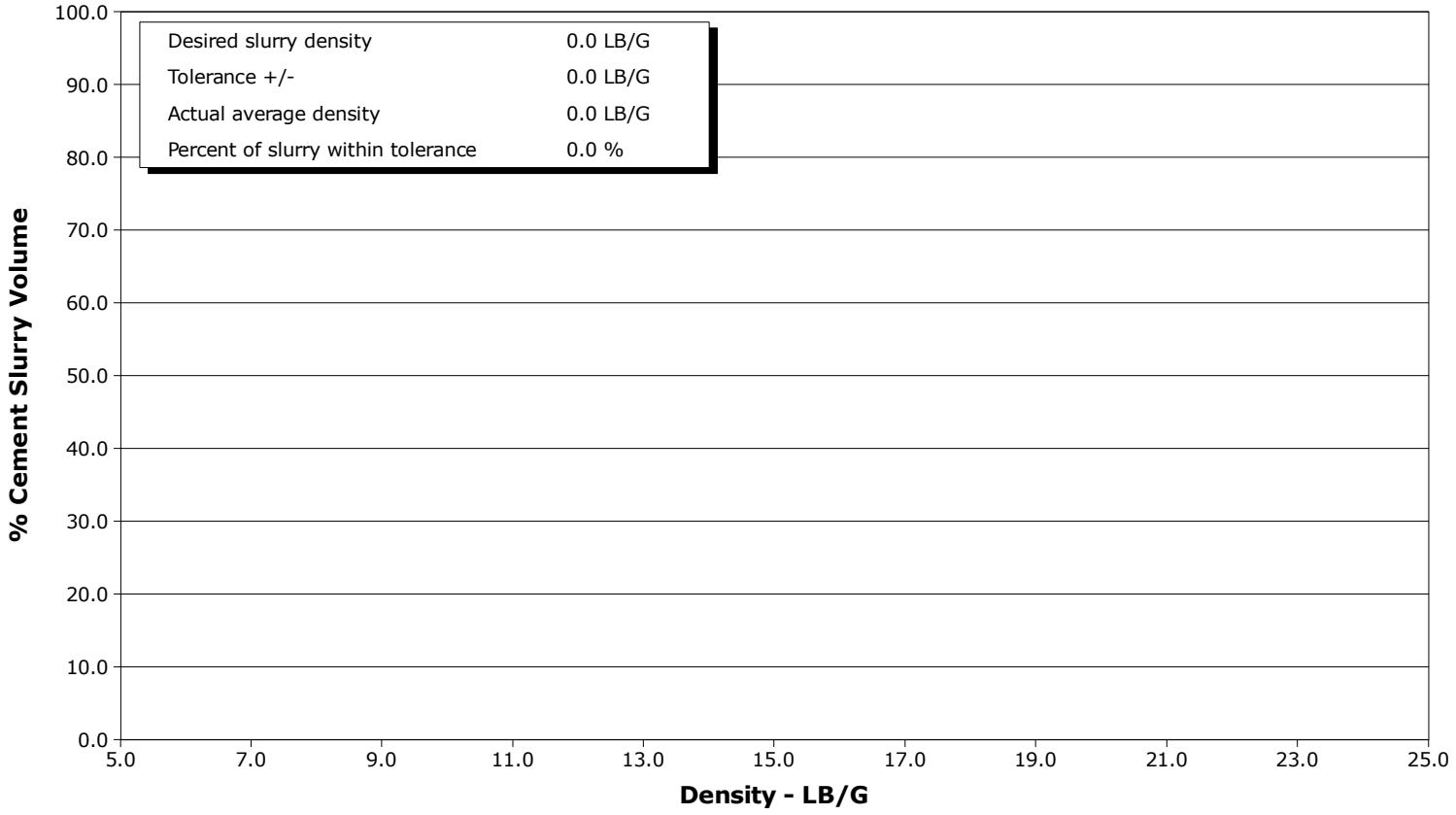
Cementing Qa/Qc Density Report

Well	BERRY FARMS	**Client**	OXY
Field	DJ	**SIR No.**	3275102
Engineer	ALBERT SNYDER	**Job Type**	PRODUCTION
Country	United States	**Job Date**	03-21-2023

Lead Slurry - 03/21/2023 06:30:00 to 03/21/2023 07:13:00



Tail Slurry - 03/21/2023 07:21:00 to 03/21/2023 08:20:00



Schlumberger

Cementing Service Report

Customer	Job Number
OXY	3275102

Well	Location (legal)	Schlumberger Location	Job Start
BERRY FARMS 8-1HZ	8-1HZ	WCC	Mar/21/2023

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
DJ		deg	in	ft	ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
WELD	Wyoming	psi	degF	degF	lb/gal

Well Master	API/UWI
066640696	49-005

Rig Name	Drilled For	Service Via
P 461	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
N/A	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
LT OBM	9.20 lb/gal	cP

Service Line	Job Type
Cementing	PRODUCTION

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	

Service Instructions

FILL LINES WITH 5 BBLS OF FRESH WATER, TEST LINES 1000 LOW=6000 HIGH, PUMP 80 BBLS OF SPACER @10.5# DROP BOTTOM PLUG, PUMP 839 SKS OF LEAD @12# 271 BBLS, PUMP 1493 SKS OF TAIL @13.5# 436 BBLS, WASH TO THE PIT, PUMP 2 BBLS OF WATER, DROP TOP PLUG, BEGIN DISPLACING, 523 BBLS OF TREATED WATER, BUMP THE PLUG TO 3000 PSI, HOLD 15 MINUTES, CHECK FLOAT HOLDING FLOWED BACK 6.5 BBLS GOT BACK 70 BBLS OF SPACER TO THE SURFACE

Casing/Liner

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

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
	bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
bbl	bbl	bbl	bbl

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

Lift Pressure	16141 psi

Pipe Rotated	Pipe Reciprocated
☐	☐

No. Centralizers	Top Plugs	Bottom Plugs

Cement Head Type	Single

Job Scheduled For	Arrived on Location	Leave Location
Mar/20/2023 00:00	Mar/20/2023 22:00	Mar/21/2023 13:00

Casing Tools		Squeeze Job	
Shoe Type	Float	Squeeze Type	
Shoe Depth	22562.0 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	22517.0 ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	DENSITY LB/G	CPF1_TTL_VOLUME BBL	Message
03/21/2023	05:16:13	0	0.0	8.32	13.1	Started Acquisition
03/21/2023	05:42:00	0	0.0	8.31	0.1	Fill lines with 5 bbls of fresh water
03/21/2023	05:45:00	0	2.4	8.31	2.7	Pressure Test Lines
03/21/2023	05:51:00	5756	0.0	8.31	5.1	Low =1000 high =6000 psi
03/21/2023	05:58:00	26	0.0	8.31	5.1	Start Pumping Spacer
03/21/2023	06:00:00	238	1.5	10.17	6.1	pump 80 bbls of spacer @10.5#
03/21/2023	06:10:00	712	6.5	10.46	52.2	top of spacer at the surface
03/21/2023	06:16:00	350	4.6	10.30	86.6	End Spacer
03/21/2023	06:20:00	8	0.0	10.65	87.4	Drop Bottom Plug
03/21/2023	06:30:00	531	4.5	11.85	108.2	Start Mixing Lead Slurry
03/21/2023	06:40:00	360	4.5	11.86	160.2	pump 839 sks of lead @12# 271 bbls
03/21/2023	06:50:00	615	6.5	11.90	217.1	yield =1.81 wr=5.77
03/21/2023	07:10:00	668	6.5	11.85	346.6	top of lead @1000 ft
03/21/2023	07:13:00	587	6.5	11.84	366.0	End Lead Slurry
03/21/2023	07:21:00	108	0.1	12.02	368.1	Start Mixing Tail Slurry
03/21/2023	07:50:00	769	8.4	13.36	567.3	pump 1493 sks @13.5# 436 bbls
03/21/2023	08:00:00	849	8.5	12.93	651.4	yield =1.64 wr=7.84
03/21/2023	08:15:00	1049	8.2	13.32	774.9	top of tail @9000 ft
03/21/2023	08:20:00	39	0.0	13.49	814.2	End Tail Slurry
03/21/2023	08:22:00	61	1.7	9.70	814.9	wash to the pit
03/21/2023	08:32:00	52	2.4	8.32	837.3	pump 2 bbls of sugar water

Well	Field	Job Start	Customer	Job Number
BERRY FARMS 8-1HZ	DJ	Mar/21/2023	OXY	3275102

Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	DENSITY LB/G	CPF1_TTL_VOLUME BBL	Message
03/21/2023	08:38:00	-4	0.0	8.32	839.7	Start Displacement
03/21/2023	08:47:34	1478	8.2	8.32	903.7	pump 523 bbsl sugar biocide water
03/21/2023	08:47:36	1481	8.2	8.32	904.0	got back 70 bbls of spacer to surface
03/21/2023	10:45:00	2509	4.4	8.32	1367.7	bump top plug
03/21/2023	10:46:00	2945	0.0	8.32	1369.3	hold 3000 psi test for 15 mnutes
03/21/2023	11:05:00	0	0.3	7.81	1376.2	check float holding

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.6		0.0	17.3	917.0	0.0	80.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3172	11	1307	3000		FreshWater	523.0 bbl	8.34 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	0.0 bbl	523.0 bbl	71 degF	Cement Circulated to Surface? ☐	Volume bbl
				Washed Thru Perfs ☐	To ft

Customer or Authorized Representative	Schlumberger Supervisor		
JON/JAMES	ALBERT SNYDER	Circulation Lost ☐	Job Completed ☒
		-	-

Schlumberger Service Quality Evaluation

Client:	OXY
Field:	DJ
Rig:	P 461
Well:	BERRY FARMS
Service Line:	Cementing
Job Type:	PRODUCTION

Service Order #:	
Date:	Mar/21/2023
Operating Time (hh:mm):	00:00
Client Rep:	JON/JAMES
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 ☐ no ☒	0
1b	Free of environmental spill or non-compliant discharge	5	yes ☐ no ☒	0
1c	Wellsite left clean	4	yes ☐ no ☒	0
			Sub-total	0%
2	**Design / Preparation**			
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes ☐ no ☒	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes ☐ no ☒	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes ☐ no ☒	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes ☐ no ☒	0
			Sub-total	0%
3	**Execution**			
3a	Lost time < 30 mins	3	yes ☐ no ☒	0
3b	Equipment pressure tested succesfully	3	yes ☐ no ☒	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes ☐ no ☒	0
3d	Plugs / darts released and tested succesfully	2	yes ☐ no ☒	0
3e	Density variation met expectations	2	yes ☐ no ☒	0
3f	Personnel performed as per expectations	2	yes ☐ no ☒	0
3g	Equipment performed as per expectations	2	yes ☐ no ☒	0
3h	Job pumped as per design	3	yes ☐ no ☒	0
3i	Did job start on time	2	yes ☐ no ☒	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes ☐ no ☒	0
			Sub-total	0%
4	**Evaluation**			
4a	Main job objective achieved with no consequential non-productive time	10	yes ☐ no ☒	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:**