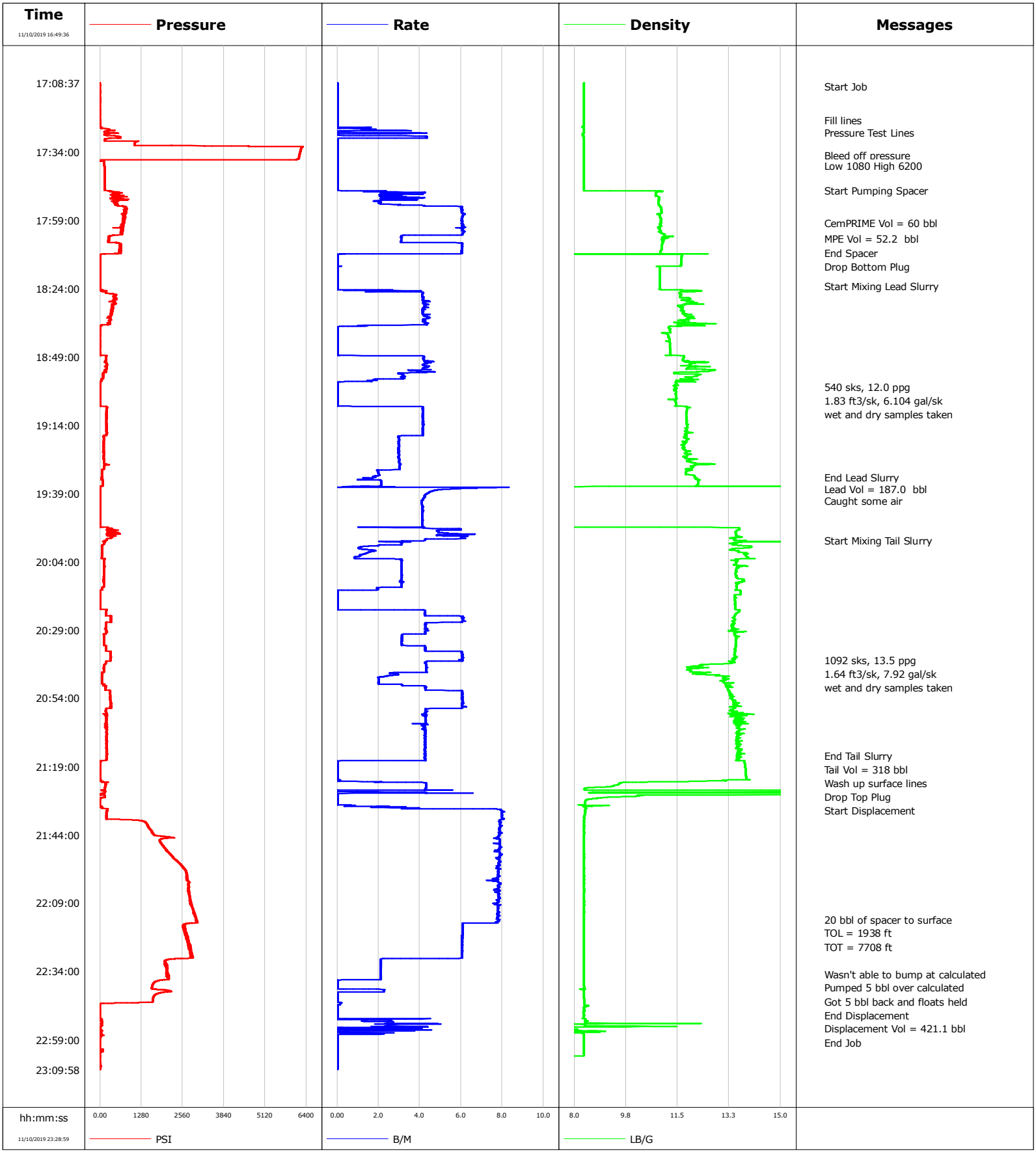
Schlumberger

Cementing Job Report

Well	Jodster South 25-8HZ	**Client**	Anadarko
Field	DJ	**SIR No.**	EAJJ7-01185
Engineer	Mark Andrews	**Job Type**	Cement 5 1/2" Production
Country	United States	**Job Date**	11-10-2019



Schlumberger Cementing Service Report

Customer	Job Number
Anadarko	EAJJ7-01185

Well	Location (legal)	Schlumberger Location	Job Start
Jodster South 25-8HZ		Cheyenne	Nov/10/2019

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
DJ	Clean-Sandstone	deg	in	17942.0 ft	6831.0 ft

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

Well Master	API/UWI
0065912234	05-069-06518-00-00

Rig Name	Drilled For	Service Via
PD 564	Oil	Land

Offshore Zone	Well Class	Well Type
	New	Development

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

Service Line	Job Type
Cementing	Cement 5 1/2" Production

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

Service Instructions

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
1899.0	9.6	36.0	J-55	
17935.0	5.5	17.0	P-110	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
Annulus	421.1 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
bbl	416.1 bbl	586.5 bbl	0.4 bbl

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement	Lift Pressure	Pipe Rotated	Pipe Reciprocated	No. Centralizers	Top Plugs	Bottom Plugs	Cement Head Type	Job Scheduled For	Arrived on Location	Leave Location
X		psi				1	1	Single	Nov/10/2019 12:00	Nov/10/2019 13:00	Nov/11/2019 00:00

Casing Tools

Shoe Type	Float
Shoe Depth	17935.0 ft
Stage Tool Type	
Stage Tool Depth	ft
Collar Type	Float
Collar Depth	17933.9 ft

Squeeze Job

Squeeze Type	
Tool Type	
Tool Depth	ft
Tail Pipe Size	in
Tail Pipe Depth	ft
Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/10/2019	17:10:00	0	0.0	8.32	0.0	Start Job
11/10/2019	17:22:23	1	0.0	8.32	0.0	Fill lines
11/10/2019	17:22:30	-1	0.0	8.32	0.0	Pressure Test Lines
11/10/2019	17:35:00	6180	0.0	8.33	6.8	Bleed off pressure
11/10/2019	17:39:00	136	0.0	8.33	6.8	Low 1080 High 6200
11/10/2019	17:48:00	145	0.0	8.32	6.8	Start Pumping Spacer
11/10/2019	18:00:00	754	6.0	10.94	59.5	CemPRIME Vol = 60 bbl
11/10/2019	18:05:42	278	3.1	11.00	90.3	MPE Vol = 52.2 bbl
11/10/2019	18:10:57	580	6.0	10.93	117.7	End Spacer
11/10/2019	18:16:03	0	0.0	10.91	119.5	Drop Bottom Plug
11/10/2019	18:23:00	2	0.0	10.91	0.0	Start Mixing Lead Slurry
11/10/2019	19:00:00	5	0.0	11.42	89.3	540 sks, 12.0 ppg
11/10/2019	19:05:00	1	0.0	11.41	89.3	1.83 ft3/sk, 6.104 gal/sk
11/10/2019	19:10:00	194	4.2	11.79	101.3	wet and dry samples taken
11/10/2019	19:32:56	58	1.7	12.08	176.3	End Lead Slurry
11/10/2019	19:34:19	87	2.1	12.21	178.6	Lead Vol = 187.0 bbl
11/10/2019	19:37:00	5	6.8	3.38	185.6	Caught some air
11/10/2019	19:55:59	207	4.2	13.44	83.3	Start Mixing Tail Slurry
11/10/2019	20:40:00	338	6.0	13.38	214.6	1092 sks, 13.5 ppg
11/10/2019	20:45:00	65	2.7	12.04	236.1	1.64 ft3/sk, 7.92 gal/sk
11/10/2019	20:50:00	175	4.3	13.25	248.8	wet and dry samples taken

Well	Field	Job Start	Customer	Job Number
Jodster South 25-8HZ	DJ	Nov/10/2019	Anadarko	EAJJ7-01185

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/10/2019	21:20:00	11	0.0	13.80	375.0	Tail Vol = 318 bbl
11/10/2019	21:25:00	178	4.3	9.56	376.6	Wash up surface lines
11/10/2019	21:30:00	137	0.0	9.83	390.3	Drop Top Plug
11/10/2019	21:35:00	227	7.9	8.36	397.6	Start Displacement
11/10/2019	22:15:00	2967	7.8	8.33	710.9	20 bbl of spacer to surface
11/10/2019	22:20:00	2626	6.1	8.32	29.4	TOL = 1938 ft
11/10/2019	22:25:00	2779	6.0	8.32	59.7	TOT = 7708 ft
11/10/2019	22:35:00	2085	2.1	8.32	97.6	Wasn't able to bump at calculated
11/10/2019	22:40:00	1608	0.0	8.32	102.0	Pumped 5 bbl over calculated
11/10/2019	22:45:00	1623	0.0	8.34	104.4	Got 5 bbl back and floats held
11/10/2019	22:50:00	-6	0.0	8.32	104.5	End Displacement
11/10/2019	22:55:00	4	0.0	4.30	113.3	Displacement Vol = 421.1 bbl

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.6			8.3	502.9	0.0	112.2	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
6285	13	685				bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	494.9 bbl	421.1 bbl	65 degF	Cement Circulated to Surface? ☐	Volume bbl
				Washed Thru Perfs ☐	To ft

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
	Mark Andrews	☐	☒
		-	-