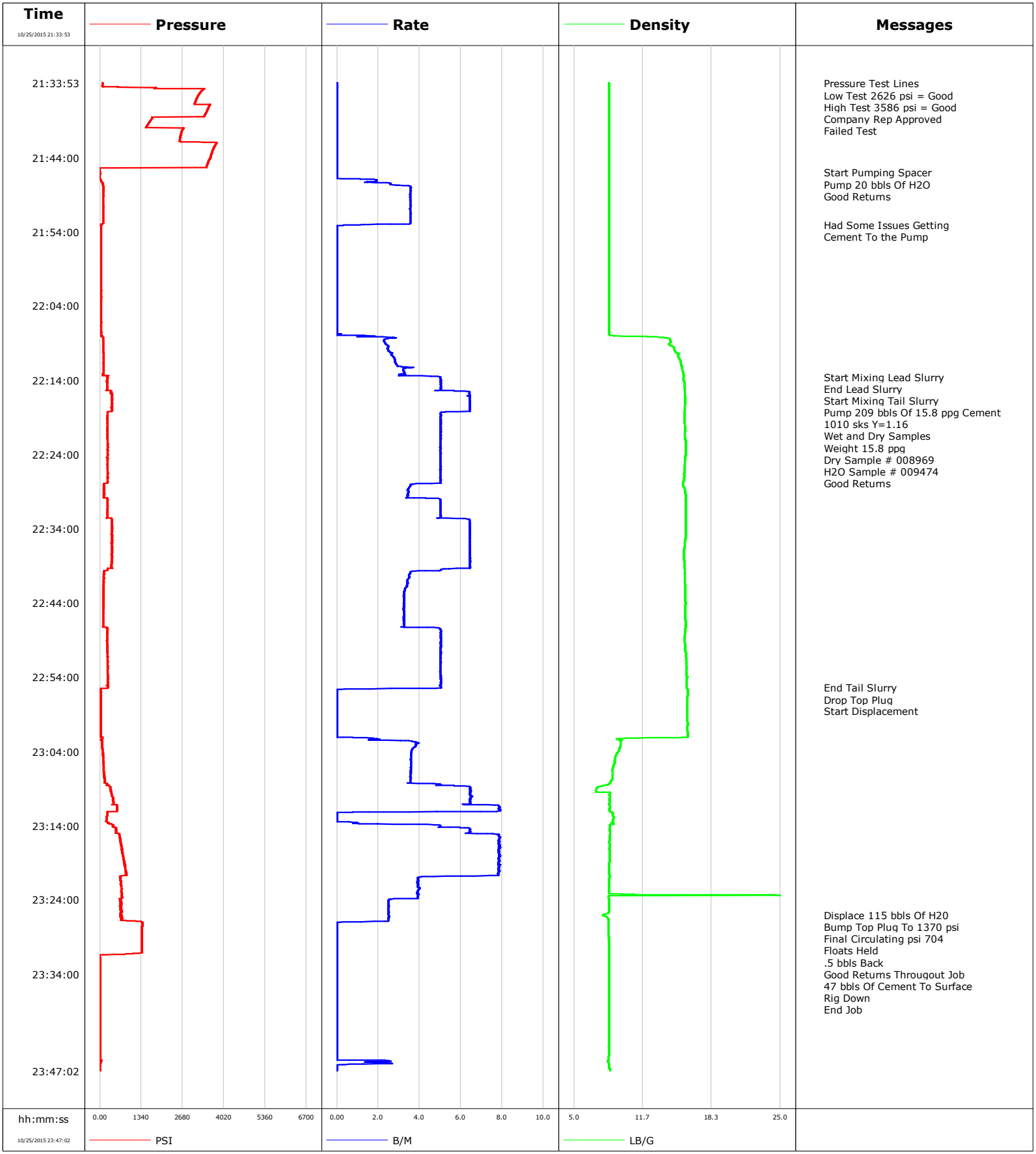
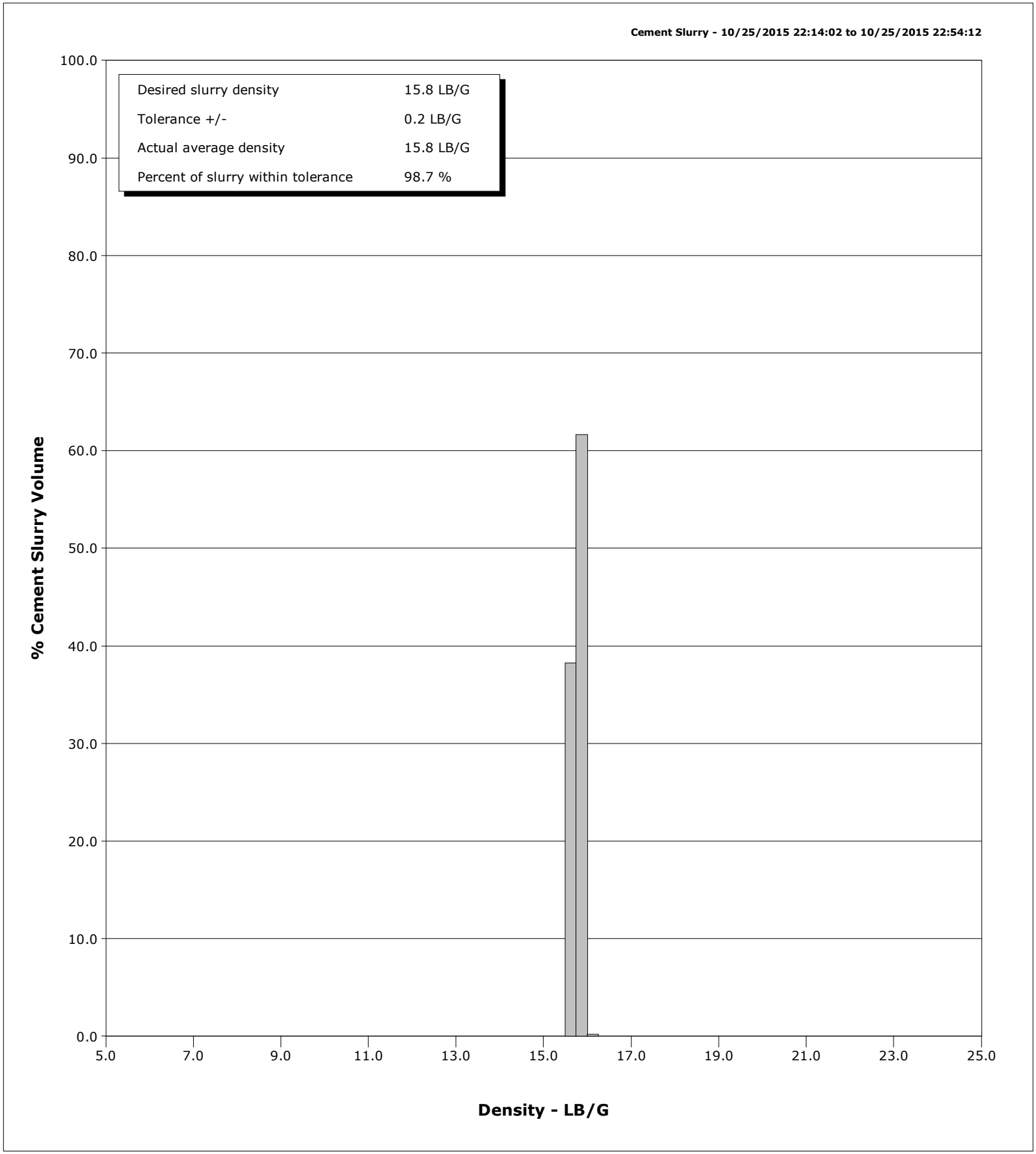
Schlumberger Cementing Job Report

Well	Mead	**Client**	Extraction Oil Gas
Field	DJ	**SIR No.**	2215560
Engineer	Justin Zika/Leiker	**Job Type**	Surface
Country	United States	**Job Date**	10-25-2015



Schlumberger Cementing Qa/Qc Density Report

Well	Mead	**Client**	Extraction Oil Gas
Field	DJ	**SIR No.**	2215560
Engineer	Justin Zika/Leiker	**Job Type**	Surface
Country	United States	**Job Date**	10-25-2015



Schlumberger

Cementing Service Report

Customer	Job Number
Extraction Oil & Gas	2215560

Well	Location (legal)	Schlumberger Location	Job Start
Mead 4	Cheyenne,WY	CWY	Oct/25/2015

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
DJ	Shale	deg	13.5 in	1533.0 ft	ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Weld	Colorado	psi	100 degF	84 degF	lb/gal

Well Master	API/UWI
0631656343	05123422630000

Rig Name	Drilled For	Service Via
Savannah 802	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	Surface

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
3500 psi	psi	Single Cement head

Service Instructions

Rig Up
Hold Safety Meeting
Flush Lines
Pressure Test Lines
Pump 20 bbls Of H2O
Pump 209 bbls Of 15,8 ppg Cement
Drop Top Plug
Displace

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
1533.0	9.6	36.0	J55	8RD
0.0	0.0	0.0		

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	115.0 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
bbl	118.5 bbl	148.0 bbl	280.0 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
Oct/25/2015 18:00	Oct/25/2015 18:00	Oct/26/2015 01:00

Casing Tools		Squeeze Job	
Shoe Type	Float	Squeeze Type	
Shoe Depth	1533.0 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	1488.0 ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/25/2015	21:33:53	80	0.0	8.40	0.3	Started Acquisition
10/25/2015	21:34:00	80	0.0	8.40	0.3	Pressure Test Lines
10/25/2015	21:35:33	3203	0.0	8.40	0.3	
10/25/2015	21:37:13	3526	0.0	8.40	0.3	
10/25/2015	21:38:53	1665	0.0	8.40	0.3	
10/25/2015	21:40:33	2645	0.0	8.40	0.3	
10/25/2015	21:42:13	3756	0.0	8.40	0.3	
10/25/2015	21:43:53	3594	0.0	8.40	0.3	
10/25/2015	21:45:33	-16	0.0	8.40	0.3	
10/25/2015	21:46:00	12	0.0	8.40	0.3	Start Pumping Spacer
10/25/2015	21:47:13	49	1.9	8.40	0.9	
10/25/2015	21:48:53	107	3.5	8.40	6.1	
10/25/2015	21:50:33	106	3.6	8.40	12.1	
10/25/2015	21:52:13	106	3.6	8.40	18.0	
10/25/2015	21:53:00	41	1.5	8.40	20.7	Had Some Issues Getting
10/25/2015	21:53:53	41	0.0	8.40	20.9	
10/25/2015	21:55:33	44	0.0	8.40	20.9	
10/25/2015	21:57:13	47	0.0	8.40	20.9	
10/25/2015	21:58:53	47	0.0	8.40	20.9	
10/25/2015	22:00:33	46	0.0	8.40	20.9	
10/25/2015	22:02:13	47	0.0	8.40	20.9	

Well	Field	Job Start	Customer	Job Number
Mead 4	DJ	Oct/25/2015	Extraction Oil & Gas	2215560

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/25/2015	22:05:33	47	0.0	8.40	20.9	
10/25/2015	22:07:13	46	0.0	8.40	20.9	
10/25/2015	22:08:53	108	2.3	14.38	22.9	
10/25/2015	22:10:33	114	2.6	15.06	27.1	
10/25/2015	22:12:13	115	3.4	15.45	31.8	
10/25/2015	22:13:33	240	5.0	15.62	36.3	Start Mixing Lead Slurry
10/25/2015	22:13:53	226	5.0	15.61	38.0	
10/25/2015	22:15:33	397	6.4	15.74	46.5	
10/25/2015	22:17:13	404	6.4	15.77	57.2	
10/25/2015	22:18:53	241	5.0	15.69	67.0	
10/25/2015	22:20:33	253	5.0	15.77	75.4	
10/25/2015	22:22:13	251	5.0	15.83	83.8	
10/25/2015	22:23:53	252	5.0	15.81	92.2	
10/25/2015	22:25:33	251	5.0	15.70	100.5	
10/25/2015	22:27:13	251	5.0	15.65	108.9	
10/25/2015	22:28:53	123	3.4	15.77	115.8	
10/25/2015	22:30:33	250	5.0	15.82	122.6	
10/25/2015	22:32:13	241	5.0	15.82	131.0	
10/25/2015	22:33:53	380	6.4	15.81	141.1	
10/25/2015	22:35:33	407	6.4	15.79	151.8	
10/25/2015	22:37:13	374	6.5	15.63	162.6	
10/25/2015	22:38:53	399	6.4	15.69	173.3	
10/25/2015	22:40:33	124	3.5	15.73	181.1	
10/25/2015	22:42:13	114	3.3	15.78	186.8	
10/25/2015	22:43:53	112	3.3	15.81	192.2	
10/25/2015	22:45:33	108	3.2	15.79	197.6	
10/25/2015	22:47:13	111	3.2	15.81	203.0	
10/25/2015	22:48:53	236	5.0	15.69	211.2	
10/25/2015	22:50:33	237	5.0	15.81	219.6	
10/25/2015	22:52:13	250	5.0	15.89	228.0	
10/25/2015	22:53:53	264	5.0	15.97	236.3	
10/25/2015	22:55:24	261	5.0	15.93	244.0	End Tail Slurry
10/25/2015	22:55:25	261	5.0	15.93	244.0	Drop Top Plug
10/25/2015	22:55:26	274	5.0	15.93	244.1	Start Displacement
10/25/2015	22:55:33	25	2.6	15.95	244.7	
10/25/2015	22:57:13	18	0.0	15.99	244.8	
10/25/2015	22:58:53	19	0.0	15.99	244.8	
10/25/2015	23:00:33	19	0.0	15.98	244.8	
10/25/2015	23:02:13	91	1.6	11.22	244.9	
10/25/2015	23:03:53	88	3.6	9.36	250.5	
10/25/2015	23:05:33	117	3.6	8.96	256.5	
10/25/2015	23:07:13	138	3.6	8.74	262.5	
10/25/2015	23:08:53	341	6.5	7.25	269.5	
10/25/2015	23:10:33	414	6.5	8.42	280.3	
10/25/2015	23:12:13	249	0.8	8.74	292.0	
10/25/2015	23:13:53	433	4.7	8.49	292.6	
10/25/2015	23:15:33	652	7.9	8.45	303.4	
10/25/2015	23:17:13	719	7.8	8.44	316.5	
10/25/2015	23:18:53	773	7.8	8.47	329.6	
10/25/2015	23:20:33	849	7.8	8.42	342.7	
10/25/2015	23:22:13	690	3.9	8.40	350.3	
10/25/2015	23:23:53	682	2.6	8.38	356.8	
10/25/2015	23:25:33	684	2.5	8.39	361.0	
10/25/2015	23:26:03	703	2.5	7.82	362.2	Displace 115 bbls Of H20

Well	Field	Job Start	Customer	Job Number
Mead 4	DJ	Oct/25/2015	Extraction Oil & Gas	2215560

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/25/2015	23:28:53	1371	0.0	8.38	364.5	
10/25/2015	23:30:33	1371	0.0	8.38	364.5	
10/25/2015	23:32:13	3	0.0	8.38	364.5	
10/25/2015	23:33:53	8	0.0	8.38	364.5	
10/25/2015	23:35:33	9	0.0	8.38	364.5	
10/25/2015	23:37:13	8	0.0	8.38	364.5	
10/25/2015	23:38:53	7	0.0	8.39	364.5	
10/25/2015	23:40:33	7	0.0	8.38	364.5	
10/25/2015	23:42:13	8	0.0	8.38	364.5	
10/25/2015	23:43:53	8	0.0	8.38	364.5	

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.7			7.9	209.0	0.0	20.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3793	704	484	1370			bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp			
%	209.0 bbl	115.0 bbl	60 degF	Cement Circulated to Surface? [X]	Volume	47.0 bbl
				Washed Thru Perfs [ ]	To	ft

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Sean McIntyre	Justin Zika/Leiker	-	[X] -