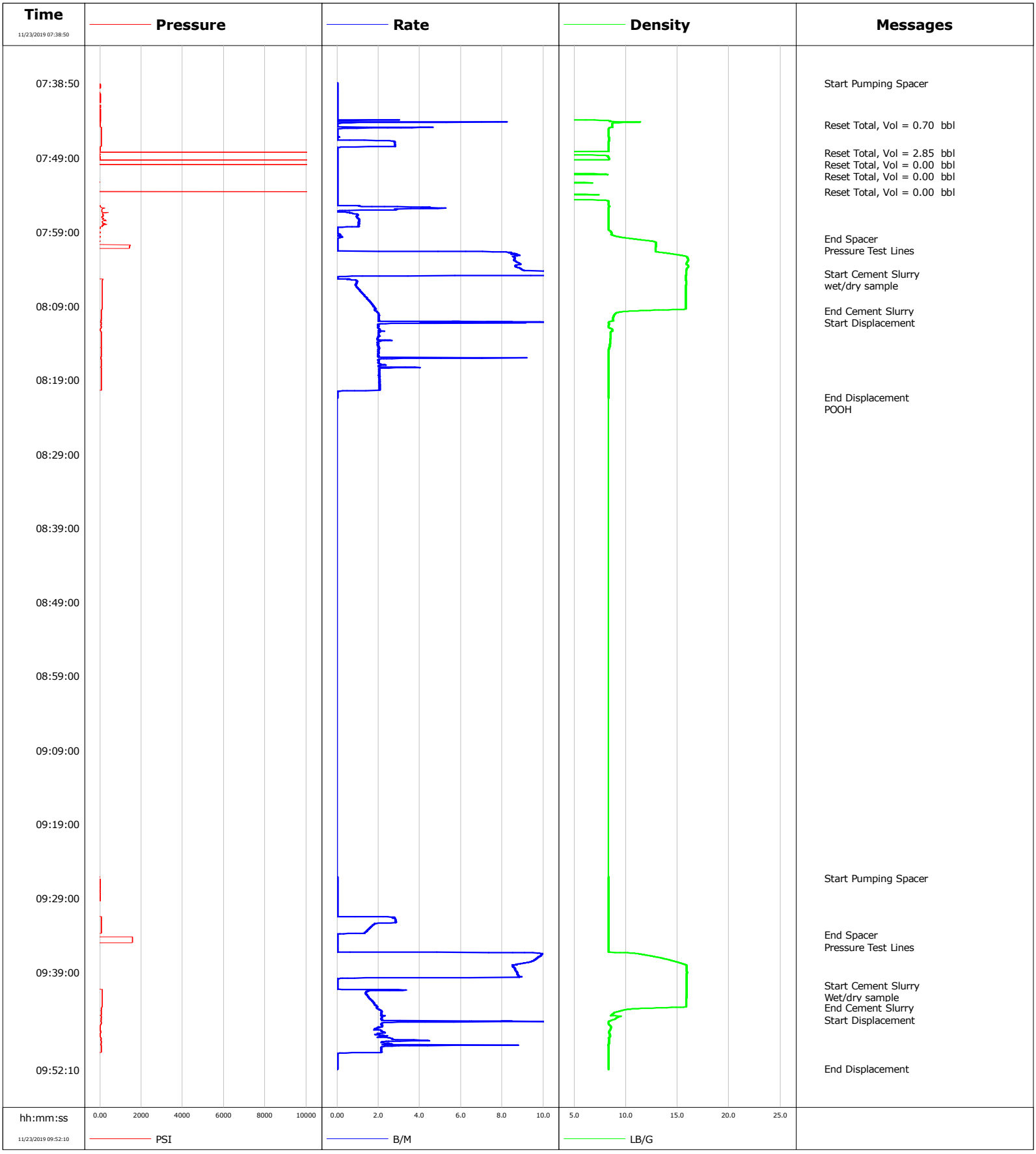
Schlumberger

Cementing Job Report

CemCAT v1.7

Well	Roberts 32-22	**Client**	Anadarko
Field	DJ	**SIR No.**	3094820
Engineer	Kyle Granahan	**Job Type**	Nio/sussex
Country	United States	**Job Date**	11-23-2019



Schlumberger

Cementing Service Report

Customer	Job Number
Anadarko	3094820

Well	Location (legal)	Schlumberger Location	Job Start
Roberts 32-22		Cheyenne	Nov/23/2019

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

County	Weld	State/Province	CO	BHP	BHST	BHCT	Pore Press. Gradient
Well Master		API/UWI	05-123-23836	psi	degF	degF	lb/gal

Rig Name	Drilled For	Service Via
B1662	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	Old	Workover

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

Service Line	Job Type
Cementing	Nio/sussex

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	2 3/8" 4.7# T/S

Service Instructions

Nio -
Establish circulation
Psi test
Pump 6.9 bbls 15.8ppg
25sks 1.53yld 6.55gal/sk
Displace 25.3bbls h20
Est TOC - 6655'
EOT - 7100'

Sussex -
Establish circulation
PSI test
Pump 2.8bbls 15.8ppg
10sks 1.53yld 6.55gal/sk
Displace 15bbls H20
Est TOC - 4032'
EOT - 4212'

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
T	7100.0	2.4	4.7	J55	8RD
T	4212.0	2.4	4.7	J55	8RD

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
Tubing	25.3 bbl		ft

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

Casing/Tubing Secured	X	1 Hole Vol. Circulated prior to Cement	X
Lift Pressure	psi		
Pipe Rotated	☐	Pipe Reciprocated	☐
No. Centralizers	Top Plugs	Bottom Plugs	
Cement Head Type			

Job Scheduled For	Arrived on Location	Leave Location
Nov/23/2019	Nov/23/2019	Nov/23/2019

Casing Tools		Squeeze Job	
Shoe Type		Squeeze Type	
Shoe Depth	ft	Tool Type	
Stage Tool Type		Tool Depth	ft
Stage Tool Depth	ft	Tail Pipe Size	in
Collar Type		Tail Pipe Depth	ft
Collar Depth	ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/23/2019	07:38:50	-5	0.0	0.11	0.0	Started Acquisition
11/23/2019	07:38:53	-5	0.0	0.11	0.0	Start Pumping Spacer
11/23/2019	07:39:50	-5	0.0	0.11	0.0	
11/23/2019	07:40:50	0	0.0	0.11	0.0	
11/23/2019	07:41:50	0	0.0	0.11	0.0	
11/23/2019	07:42:50	0	0.0	0.11	0.0	
11/23/2019	07:43:50	0	0.0	2.94	0.0	
11/23/2019	07:44:27	0	0.0	8.66	0.7	Reset Total, Vol = 0.70 bbl
11/23/2019	07:44:50	55	1.5	8.76	0.7	
11/23/2019	07:45:50	60	0.0	8.35	1.2	
11/23/2019	07:46:50	55	2.8	8.32	1.7	
11/23/2019	07:47:50	0	0.0	8.32	3.5	
11/23/2019	07:48:13	54181	0.0	-6.25	3.5	Reset Total, Vol = 2.85 bbl
11/23/2019	07:48:50	0	0.0	8.30	3.5	
11/23/2019	07:49:16	24728	0.0	-6.17	3.5	Reset Total, Vol = 0.00 bbl
11/23/2019	07:49:50	-3639	0.0	-6.25	3.5	
11/23/2019	07:49:53	53032	0.0	-6.25	3.5	Reset Total, Vol = 0.00 bbl
11/23/2019	07:50:50	-5	0.0	-6.25	3.5	
11/23/2019	07:51:50	-3639	0.0	-6.25	3.5	
11/23/2019	07:52:50	-3639	0.0	-6.25	3.5	
11/23/2019	07:53:33	24660	0.0	-6.25	3.5	Reset Total, Vol = 0.00 bbl

Well	Field	Job Start	Customer	Job Number
Roberts 32-22	DJ	Nov/23/2019	Anadarko	3094820

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/23/2019	07:54:50	-9	0.0	8.31	3.5	
11/23/2019	07:55:50	128	4.1	8.32	3.5	
11/23/2019	07:56:50	174	1.0	8.33	4.0	
11/23/2019	07:57:50	165	1.1	8.33	5.0	
11/23/2019	07:58:50	-9	0.0	8.46	5.5	
11/23/2019	07:59:50	-9	0.0	10.21	5.5	
11/23/2019	07:59:54	-9	0.0	10.58	5.5	End Spacer
11/23/2019	07:59:56	-9	0.0	10.76	5.5	Pressure Test Lines
11/23/2019	08:00:50	1438	0.0	12.90	5.5	
11/23/2019	08:01:50	-14	8.4	13.84	5.6	
11/23/2019	08:02:50	-14	8.6	16.04	5.6	
11/23/2019	08:03:50	-14	8.9	15.96	6.1	
11/23/2019	08:04:36	-14	11.2	15.81	6.5	Start Cement Slurry
11/23/2019	08:04:41	-14	11.2	15.81	6.5	wet/dry sample
11/23/2019	08:04:50	-14	11.2	15.81	6.5	
11/23/2019	08:05:50	119	0.9	15.81	6.9	
11/23/2019	08:06:50	114	1.1	15.81	7.9	
11/23/2019	08:07:50	114	1.4	15.81	9.1	
11/23/2019	08:08:50	105	1.7	15.81	10.7	
11/23/2019	08:09:36	64	1.9	12.00	12.1	End Cement Slurry
11/23/2019	08:09:50	55	1.9	9.39	12.5	
11/23/2019	08:10:24	55	2.0	8.80	13.7	Start Displacement
11/23/2019	08:10:50	50	2.0	8.74	14.5	
11/23/2019	08:11:50	50	2.0	8.32	17.8	
11/23/2019	08:12:50	55	2.0	8.52	19.9	
11/23/2019	08:13:50	55	2.0	8.47	21.9	
11/23/2019	08:14:50	55	2.0	8.35	23.9	
11/23/2019	08:15:50	50	2.0	8.32	25.9	
11/23/2019	08:16:50	50	2.1	8.31	28.5	
11/23/2019	08:17:50	55	2.0	8.31	30.7	
11/23/2019	08:18:50	55	2.0	8.31	32.8	
11/23/2019	08:19:50	55	2.1	8.31	34.8	
11/23/2019	08:20:50	-18	0.0	8.31	36.1	
11/23/2019	08:21:19	-18	0.0	8.31	36.1	End Displacement
11/23/2019	08:21:25	-18	0.0	8.31	36.1	POOH
11/23/2019	09:26:15	-5	0.0	8.31	36.1	Start Pumping Spacer
11/23/2019	09:26:50	0	0.0	8.31	36.1	
11/23/2019	09:27:50	0	0.0	8.31	36.1	
11/23/2019	09:28:50	0	0.0	8.31	36.1	
11/23/2019	09:29:50	-14	0.0	8.31	36.1	
11/23/2019	09:30:50	-5	0.0	8.31	36.1	
11/23/2019	09:31:50	55	2.8	8.31	37.0	
11/23/2019	09:32:50	55	1.6	8.31	39.3	
11/23/2019	09:33:50	-14	0.2	8.31	40.8	
11/23/2019	09:33:59	-14	0.0	8.31	40.8	End Spacer
11/23/2019	09:34:01	-14	0.0	8.31	40.8	Pressure Test Lines
11/23/2019	09:34:50	1573	0.0	8.31	40.8	
11/23/2019	09:35:50	-14	0.0	8.31	40.8	
11/23/2019	09:36:50	-23	9.9	12.53	40.8	
11/23/2019	09:37:50	-23	8.9	15.46	40.8	
11/23/2019	09:38:50	-23	8.7	15.91	40.8	
11/23/2019	09:39:50	-18	0.3	15.88	40.8	
11/23/2019	09:40:47	-18	0.0	15.88	40.8	Start Cement Slurry
11/23/2019	09:40:50	-18	0.0	15.88	40.8	

Well	Field	Job Start	Customer	Job Number
Roberts 32-22	DJ	Nov/23/2019	Anadarko	3094820

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/23/2019	09:41:50	110	1.4	15.88	41.7	
11/23/2019	09:42:50	105	1.7	15.86	43.2	
11/23/2019	09:43:49	73	1.9	13.47	45.0	End Cement Slurry
11/23/2019	09:43:50	69	1.9	13.02	45.0	
11/23/2019	09:43:51	69	1.9	12.60	45.0	Start Displacement
11/23/2019	09:44:50	23	2.1	8.60	47.1	
11/23/2019	09:45:50	50	2.3	8.34	50.3	
11/23/2019	09:46:50	23	2.1	8.45	52.4	
11/23/2019	09:47:50	41	2.4	8.38	54.5	
11/23/2019	09:48:50	32	4.1	8.31	57.3	
11/23/2019	09:49:50	50	2.1	8.34	59.9	
11/23/2019	09:50:50	-9	0.0	8.34	60.1	
11/23/2019	09:51:50	-9	0.0	8.33	60.1	

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3.2			11.6	6.9	0.0	5.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
54181	-5	204				bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	6.9 bbl	25.3 bbl	65 degF	Cement Circulated to Surface? ☐	Volume bbl
				Washed Thru Perfs ☐	To ft

Customer or Authorized Representative	Schlumberger Supervisor		
Edgar Chavez	Kyle Granahan	Circulation Lost ☐	Job Completed ☒
		-	-

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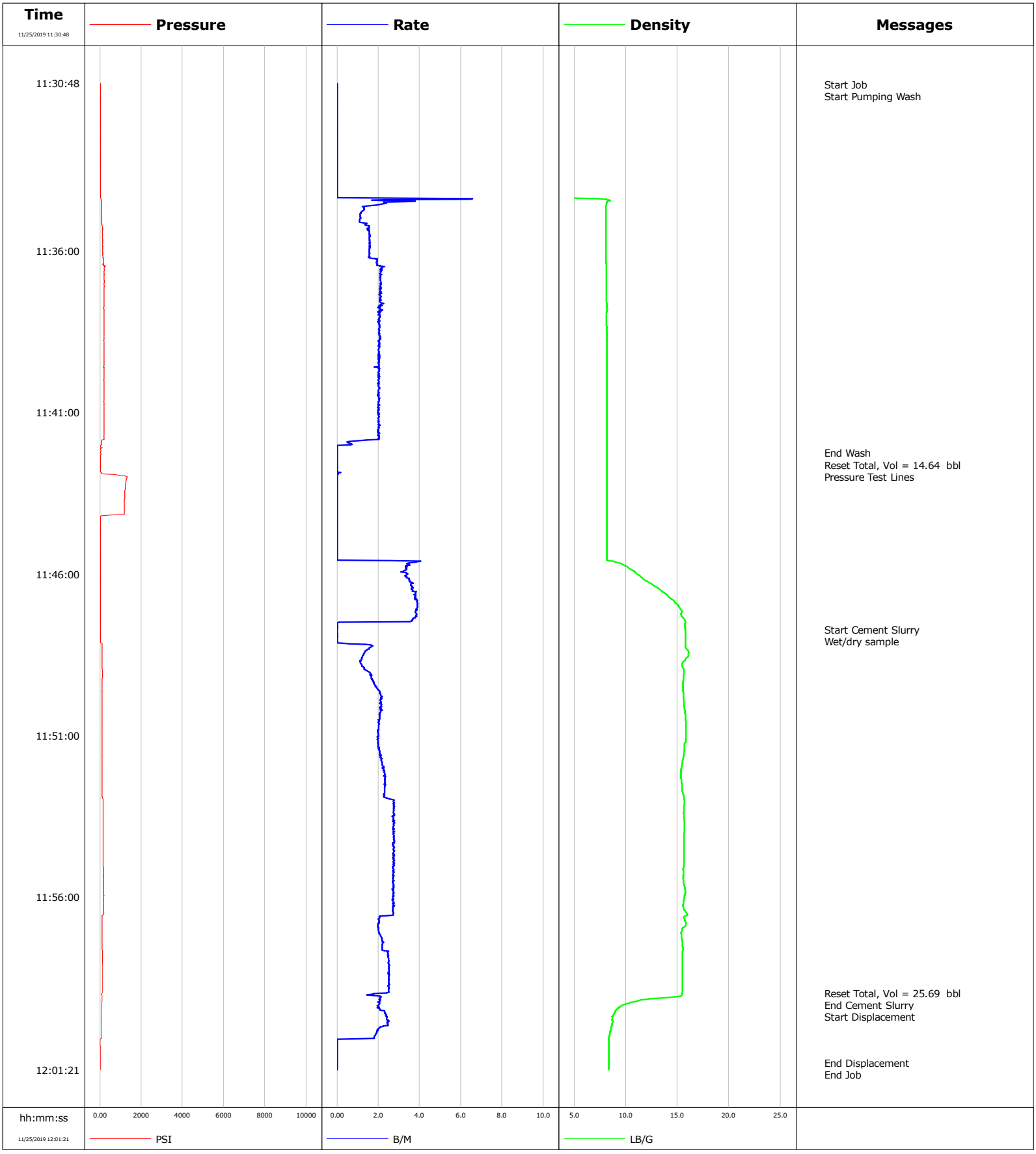
Cementing Job Report

Well	Roberts 32-22	**Client**	Anadarko
Field	DJ	**SIR No.**	05-123-23836
Engineer	Kyle Granahan	**Job Type**	Stub 1
Country	United States	**Job Date**	11-25-2019



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Cementing Service Report

Customer	Job Number
Anadarko	05-123-23836

Well	Location (legal)	Schlumberger Location	Job Start
Roberts 32-22			Nov/25/2019

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	CO	psi	degF	degF	lb/gal

Well Master	API/UWI
	05-123-23836

Rig Name	Drilled For	Service Via
B1662		

Offshore Zone	Well Class	Well Type
	Old	Workover

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

Service Line	Job Type
Cementing	Stub 1

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	2 3/8" 4.7# T/S

Service Instructions

Sensor check
Pump Chem wash 10bbls/5bbs H20
PSI test
Pump 27.4 bbls 15.8ppg 1.16yld 133sks 5.129 gal/skh20
Displace 3bbl h20
EST TOC - 880'
EOT - 1160'

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
T	1160.0	2.4	4.7	J55	8RD
	0.0	0.0	0.0		

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
Tubing	3.0 bbl		ft

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

Cement Head Type

Job Scheduled For	Arrived on Location	Leave Location
Nov/25/2019	Nov/25/2019	Nov/25/2019

Casing Tools		Squeeze Job	
Shoe Type		Squeeze Type	
Shoe Depth	ft	Tool Type	
Stage Tool Type		Tool Depth	ft
Stage Tool Depth	ft	Tail Pipe Size	in
Collar Type		Tail Pipe Depth	ft
Collar Depth	ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/25/2019	11:30:48	31	0.0	0.42	0.0	Started Acquisition
11/25/2019	11:30:51	31	0.0	0.42	0.0	Start Job
11/25/2019	11:30:52	31	0.0	0.42	0.0	Start Pumping Wash
11/25/2019	11:31:48	31	0.0	0.42	0.0	
11/25/2019	11:32:48	31	0.0	0.42	0.0	
11/25/2019	11:33:48	31	0.0	0.42	0.0	
11/25/2019	11:34:48	86	1.2	8.09	0.9	
11/25/2019	11:35:48	132	1.6	8.11	2.3	
11/25/2019	11:36:48	214	2.1	8.12	4.2	
11/25/2019	11:37:48	196	2.1	8.21	6.3	
11/25/2019	11:38:48	196	2.0	8.16	8.3	
11/25/2019	11:39:48	200	2.0	8.17	10.4	
11/25/2019	11:40:48	210	2.0	8.18	12.4	
11/25/2019	11:41:48	200	2.0	8.18	14.4	
11/25/2019	11:42:15	36	0.0	8.18	14.6	End Wash
11/25/2019	11:42:18	54	0.0	8.18	14.6	Reset Total, Vol = 14.64 bbl
11/25/2019	11:42:21	40	0.0	8.18	14.6	Pressure Test Lines
11/25/2019	11:42:48	40	0.0	8.18	14.6	
11/25/2019	11:43:48	1194	0.0	8.18	14.6	
11/25/2019	11:44:48	36	0.0	8.19	14.6	
11/25/2019	11:45:48	40	3.4	10.18	15.2	

Well	Field	Job Start	Customer	Job Number
Roberts 32-22	DJ	Nov/25/2019	Anadarko	05-123-23836

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/25/2019	11:47:44	40	0.0	15.77	15.5	Start Cement Slurry
11/25/2019	11:47:45	40	0.0	15.77	15.5	Wet/dry sample
11/25/2019	11:47:48	40	0.0	15.77	15.5	
11/25/2019	11:48:48	118	1.2	15.46	16.4	
11/25/2019	11:49:48	114	2.2	15.60	18.1	
11/25/2019	11:50:48	118	2.0	15.84	20.2	
11/25/2019	11:51:48	114	2.2	15.52	22.2	
11/25/2019	11:52:48	114	2.3	15.55	24.5	
11/25/2019	11:53:48	155	2.8	15.71	27.2	
11/25/2019	11:54:48	155	2.7	15.65	29.9	
11/25/2019	11:55:48	173	2.7	15.76	32.6	
11/25/2019	11:56:48	114	2.0	15.81	35.2	
11/25/2019	11:57:48	132	2.5	15.51	37.4	
11/25/2019	11:58:48	132	2.5	15.51	39.9	
11/25/2019	11:58:59	114	2.4	15.49	40.3	Reset Total, Vol = 25.69 bbl
11/25/2019	11:59:13	100	2.1	11.21	40.8	End Cement Slurry
11/25/2019	11:59:16	95	2.0	10.55	40.9	Start Displacement
11/25/2019	11:59:48	81	2.4	8.70	42.1	
11/25/2019	12:00:48	36	0.0	8.38	43.3	
11/25/2019	12:01:08	27	0.0	8.36	43.3	End Displacement

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.2			6.6	27.4	0.0	15.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1322	27	157				bbl	lb/gal

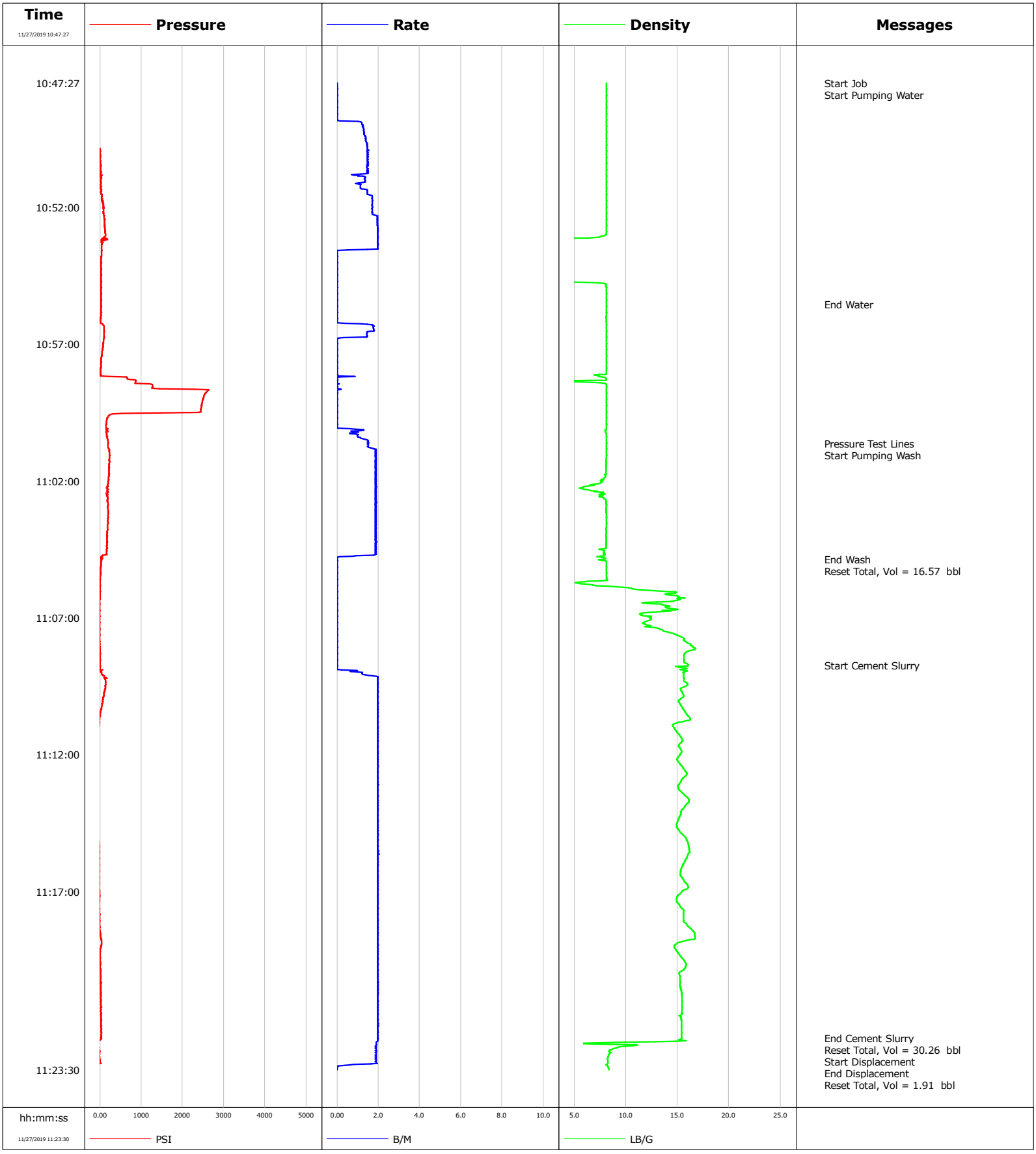
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	27.4 bbl	3.0 bbl	71 degF	Cement Circulated to Surface? ☐	Volume bbl
				Washed Thru Perfs ☐	To ft

Customer or Authorized Representative	Schlumberger Supervisor		
Traux Deal	Kyle Granahan	Circulation Lost ☐	Job Completed ☒
		-	-

Schlumberger

Cementing Job Report

Well	ROBERTS 32-22	**Client**	Anadako
Field	WATTENBURG	**SIR No.**	3095518
Engineer	NORM HASLAUER	**Job Type**	15.8 STUB PLUG
Country	United States	**Job Date**	11-27-2019



Schlumberger

Cementing Service Report

Customer	Job Number
Anadako	3095518

Well	Location (legal)	Schlumberger Location	Job Start
ROBERTS 32-22 EGTX-00198			Nov/27/2019

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
WATTENBURG		deg	in	890.0 ft	890.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Weld	Colorado	psi	80 degF	80 degF	lb/gal

Well Master	API/UWI
0530810152	

Rig Name	Drilled For	Service Via
BASIC 1662	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	Old	Other

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

Service Line	Job Type
Cementing	15.8 STUB PLUG

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	2 3/8" 4.7# T/S

Service Instructions

145 sks @ 1.16ft3/sk 5.13 gal/sk = 30 bbls @ 15.8 ppg

5 bbls water
10 bbls chem wash
30 bbls 15.8 ppg cement
1.5 bbls displacment

Estmated TOC 539'

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
756.0	8.6	24.0		
0.0	0.0	0.0		

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
T	890.0	2.4	4.7		
	0.0	0.0	0.0		

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
Tubing	1.5 bbl		ft

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

Cement Head Type

Job Scheduled For	Arrived on Location	Leave Location
Nov/27/2019	Nov/27/2019	Nov/27/2019

Casing Tools		Squeeze Job	
Shoe Type		Squeeze Type	
Shoe Depth	ft	Tool Type	
Stage Tool Type		Tool Depth	ft
Stage Tool Depth	ft	Tail Pipe Size	in
Collar Type		Tail Pipe Depth	ft
Collar Depth	ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/27/2019	10:47:27	-211	0.0	8.13	0.0	Started Acquisition
11/27/2019	10:47:28	-211	0.0	8.13	0.0	Start Job
11/27/2019	10:47:30	-211	0.0	8.13	0.0	Start Pumping Water
11/27/2019	10:47:57	-169	0.0	8.12	0.0	
11/27/2019	10:48:27	-169	0.0	8.14	0.0	
11/27/2019	10:48:57	-142	1.2	8.13	0.1	
11/27/2019	10:49:27	-124	1.4	8.13	0.8	
11/27/2019	10:49:57	-5	1.5	8.13	1.5	
11/27/2019	10:50:27	32	1.5	8.13	2.2	
11/27/2019	10:50:57	41	1.3	8.13	2.9	
11/27/2019	10:51:27	32	1.5	8.12	3.5	
11/27/2019	10:51:57	87	1.7	8.12	4.4	
11/27/2019	10:52:27	114	1.9	8.13	5.3	
11/27/2019	10:52:57	128	2.0	8.12	6.2	
11/27/2019	10:53:27	46	2.0	0.10	7.2	
11/27/2019	10:53:57	32	0.0	0.04	7.4	
11/27/2019	10:54:27	32	0.0	0.07	7.4	
11/27/2019	10:54:57	27	0.0	8.15	7.4	
11/27/2019	10:55:27	27	0.0	8.14	7.4	
11/27/2019	10:55:32	27	0.0	8.14	7.4	End Water
11/27/2019	10:56:27	101	1.8	8.13	7.8	

Well	Field	Job Start	Customer	Job Number
ROBERTS 32-22 EGTX-00198	WATTENBURG	Nov/27/2019	Anadako	3095518

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/27/2019	10:57:27	37	0.0	8.14	8.3	
11/27/2019	10:57:57	23	0.0	8.14	8.3	
11/27/2019	10:58:27	1204	0.1	8.08	8.3	
11/27/2019	10:58:57	2509	0.0	8.13	8.3	
11/27/2019	10:59:27	2440	0.0	8.13	8.3	
11/27/2019	10:59:57	151	0.0	8.13	8.3	
11/27/2019	11:00:27	183	1.2	8.12	8.7	
11/27/2019	11:00:38	192	1.5	8.12	8.9	Pressure Test Lines
11/27/2019	11:00:42	197	1.5	8.12	9.0	Start Pumping Wash
11/27/2019	11:00:57	233	1.9	8.12	9.5	
11/27/2019	11:01:27	224	1.9	8.09	10.4	
11/27/2019	11:01:57	206	1.9	7.80	11.3	
11/27/2019	11:02:27	151	1.9	7.73	12.3	
11/27/2019	11:02:57	188	1.9	8.12	13.2	
11/27/2019	11:03:27	192	1.9	8.12	14.1	
11/27/2019	11:03:57	179	1.9	8.11	15.1	
11/27/2019	11:04:27	169	1.9	8.12	16.0	
11/27/2019	11:04:51	55	0.0	7.86	16.6	End Wash
11/27/2019	11:04:52	32	0.0	7.38	16.6	Reset Total, Vol = 16.57 bbl
11/27/2019	11:04:57	32	0.0	8.13	16.6	
11/27/2019	11:05:27	14	0.0	8.13	16.6	
11/27/2019	11:05:57	0	0.0	10.81	16.6	
11/27/2019	11:06:27	-5	0.0	11.57	16.6	
11/27/2019	11:06:57	-5	0.0	12.27	16.6	
11/27/2019	11:07:27	-5	0.0	13.58	16.6	
11/27/2019	11:07:57	0	0.0	16.22	16.6	
11/27/2019	11:08:27	0	0.0	15.65	16.6	
11/27/2019	11:08:44	0	0.0	16.05	16.6	Start Cement Slurry
11/27/2019	11:08:57	46	0.6	15.68	16.6	
11/27/2019	11:09:27	137	2.0	15.96	17.5	
11/27/2019	11:09:57	78	2.0	15.36	18.5	
11/27/2019	11:10:27	18	2.0	15.80	19.4	
11/27/2019	11:10:57	-23	2.0	14.59	20.4	
11/27/2019	11:11:27	-46	2.0	15.49	21.4	
11/27/2019	11:11:57	-55	2.0	15.33	22.4	
11/27/2019	11:12:27	-64	2.0	15.50	23.4	
11/27/2019	11:12:57	-60	2.0	15.36	24.4	
11/27/2019	11:13:27	-46	2.0	15.67	25.4	
11/27/2019	11:13:57	-37	2.0	15.61	26.3	
11/27/2019	11:14:27	-32	2.0	15.04	27.3	
11/27/2019	11:14:57	-32	2.0	15.59	28.3	
11/27/2019	11:15:27	-18	2.0	16.15	29.3	
11/27/2019	11:15:57	-14	2.0	15.64	30.3	
11/27/2019	11:16:27	-14	2.0	15.39	31.3	
11/27/2019	11:16:57	-18	2.0	15.62	32.3	
11/27/2019	11:17:27	-14	2.0	15.11	33.2	
11/27/2019	11:17:57	-5	2.0	15.60	34.2	
11/27/2019	11:18:27	5	2.0	16.57	35.2	
11/27/2019	11:18:57	37	2.0	14.76	36.2	
11/27/2019	11:19:27	5	2.0	15.52	37.2	
11/27/2019	11:19:57	14	2.0	15.20	38.2	
11/27/2019	11:20:27	23	2.0	15.26	39.1	
11/27/2019	11:20:27	18	2.0	15.26	39.1	
11/27/2019	11:20:57	23	2.0	15.45	40.1	

Well	Field	Job Start	Customer	Job Number
ROBERTS 32-22 EGTX-00198	WATTENBURG	Nov/27/2019	Anadako	3095518

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/27/2019	11:21:57	32	2.0	15.42	42.1	
11/27/2019	11:22:20	27	2.0	15.42	42.9	End Cement Slurry
11/27/2019	11:22:21	27	2.0	15.43	42.9	Start Displacement
11/27/2019	11:22:27	-55	2.0	15.84	43.1	
11/27/2019	11:22:57	-14	1.9	8.38	44.0	
11/27/2019	11:23:24	-101	0.0	8.30	44.7	End Displacement
11/27/2019	11:23:25	-101	0.0	8.31	44.7	Reset Total, Vol = 1.91 bbl

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
1.8			2.0	30.2	0.0	16.6	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2632	-110	200				bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	30.0 bbl	1.9 bbl	50 degF	Cement Circulated to Surface? ☐	Volume bbl
				Washed Thru Perfs ☐	To ft

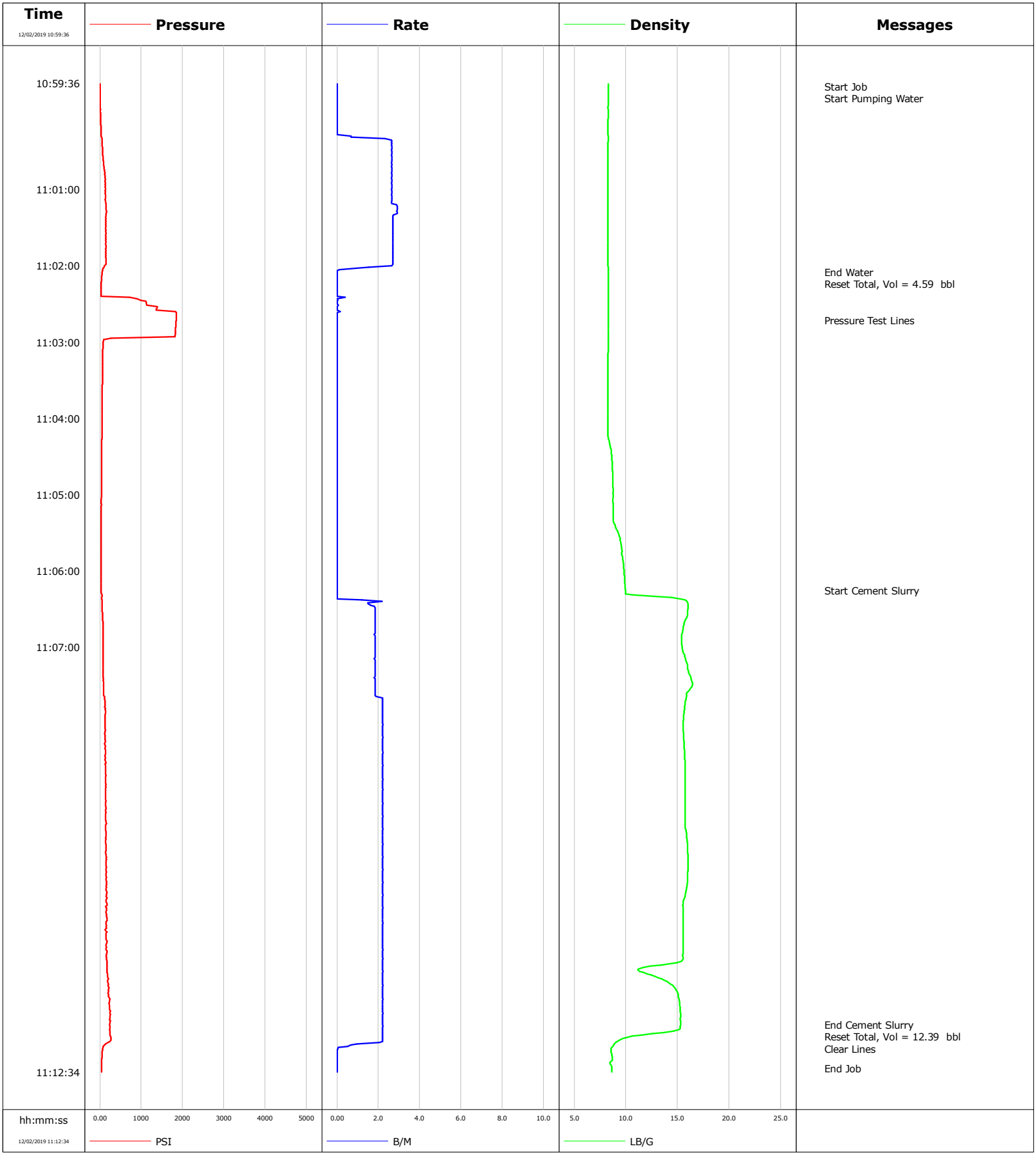
Customer or Authorized Representative	Schlumberger Supervisor		
TRAUX DEAL	NORM HASLAUER	Circulation Lost ☐	Job Completed ☒
		-	-

Schlumberger

Cementing Job Report

CemCAT v1.7

Well	Roberts 32-22	**Client**	Anadarko
Field	DJ	**SIR No.**	EGTX-00199
Engineer	R Pippin	**Job Type**	Surface Plug
Country	United States	**Job Date**	12-02-2019



Schlumberger

Cementing Service Report

Customer	Job Number
Anadarko	EGTX-00199

Well	Location (legal)	Schlumberger Location	Job Start
Roberts 32-22		Cheyenne	Dec/02/2019

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
DJ		deg	in	160.0 ft	160.0 ft

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

Well Master	API/UWI

Rig Name	Drilled For	Service Via
	Gas	Land

Offshore Zone	Well Class	Well Type
	Old	Workover

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

Service Line	Job Type
Cementing	Surface Plug

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	2 3/8" 4.7# T/S

Service Instructions

60 sks 1.16ft3/sk 5.129 gps 12.4 bbls @ 15.8 ppg

5 bbls Fresh Water
12.4 bbls CMT @ 15.8 ppg

EST TOC 10 FT

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
160.0	8.6	24.0	j55	8rd
0.0	0.0	0.0		

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
T	160.0	2.4	4.7	j55	EUE
	0.0	0.0	0.0		

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
	0.0 bbl		ft

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

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

Lift Pressure		Pipe Rotated	Pipe Reciprocated
psi		☐	☐

No. Centralizers	Top Plugs	Bottom Plugs

Cement Head Type

Job Scheduled For	Arrived on Location	Leave Location
Dec/02/2019	Dec/02/2019	Dec/02/2019

Casing Tools		Squeeze Job	
Shoe Type		Squeeze Type	
Shoe Depth	ft	Tool Type	
Stage Tool Type		Tool Depth	ft
Stage Tool Depth	ft	Tail Pipe Size	in
Collar Type		Tail Pipe Depth	ft
Collar Depth	ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
12/02/2019	10:59:36	8	0.0	8.28	0.0	JSA Complete
12/02/2019	10:59:39	8	0.0	8.30	0.0	Start Job
12/02/2019	10:59:43	8	0.0	8.31	0.0	Start Pumping Water
12/02/2019	11:00:06	17	0.0	8.28	0.0	
12/02/2019	11:00:36	72	2.7	8.28	0.7	
12/02/2019	11:01:06	132	2.7	8.28	2.1	
12/02/2019	11:01:36	141	2.7	8.28	3.4	
12/02/2019	11:02:05	59	0.0	8.31	4.6	End Water
12/02/2019	11:02:06	54	0.0	8.31	4.6	
12/02/2019	11:02:08	45	0.0	8.31	4.6	Reset Total, Vol = 4.59 bbl
12/02/2019	11:02:36	1826	0.1	8.31	4.6	
12/02/2019	11:02:43	1848	0.0	8.31	4.6	Pressure Test Lines
12/02/2019	11:03:06	68	0.0	8.30	4.6	
12/02/2019	11:03:36	59	0.0	8.27	4.6	
12/02/2019	11:04:06	49	0.0	8.28	4.6	
12/02/2019	11:04:36	45	0.0	8.69	4.6	
12/02/2019	11:05:06	36	0.0	8.76	4.6	
12/02/2019	11:05:36	36	0.0	9.47	4.6	
12/02/2019	11:06:06	31	0.0	9.87	4.6	
12/02/2019	11:06:15	31	0.0	9.95	4.6	Start Cement Slurry
12/02/2019	11:06:36	63	1.8	15.93	5.0	

Well	Field	Job Start	Customer	Job Number
Roberts 32-22	DJ	Dec/02/2019	Anadarko	EGTX-00199

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
12/02/2019	11:07:36	91	1.8	15.90	6.8	
12/02/2019	11:08:06	127	2.2	15.57	7.9	
12/02/2019	11:08:36	132	2.2	15.74	9.0	
12/02/2019	11:09:06	146	2.2	15.73	10.1	
12/02/2019	11:09:36	155	2.2	15.98	11.2	
12/02/2019	11:10:06	159	2.2	15.94	12.3	
12/02/2019	11:10:36	146	2.2	15.55	13.4	
12/02/2019	11:11:06	159	2.2	15.49	14.5	
12/02/2019	11:11:36	228	2.2	15.11	15.6	
12/02/2019	11:11:57	233	2.2	15.30	16.4	End Cement Slurry
12/02/2019	11:12:01	233	2.2	15.10	16.6	Reset Total, Vol = 12.39 bbl
12/02/2019	11:12:03	246	2.2	13.66	16.6	Clear Lines
12/02/2019	11:12:06	260	2.2	10.61	16.7	

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.2			2.9	12.4	0.0	5.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1853	40	161				bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	12.4 bbl	0.0 bbl	45 degF	Cement Circulated to Surface? ☐	Volume bbl
				Washed Thru Perfs ☐	To ft

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost ☐	Job Completed ☐
Traux Deal	R Pippin	-	-

The Road to Excellence Starts with Safety

Sold To #: 300466	**Ship To #:** 0003571146	**Quote #:** 0022750902	**Sales Order #:** 0906656033
Customer: ANADARKO PETROLEUM CORP-EBUS		**Customer Rep:** Dale James	
Well Name: ROBERTS	**Well #:** 32-22	**API/UWI #:** 05-123-23836-00	
Field: WATTENBERG	**City (SAP):** PLATTEVILLE	**County/Parish:** WELD	**State:** COLORADO
Legal Description: SW NW-22-3N-66W-2036FNL-468FWL			
Contractor:		**Rig/Platform Name/Num:**	
Job BOM: 7528			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HX41066		**Srvc Supervisor:** Nicholas Roles	

Job

Formation Name				
Formation Depth (MD)	**Top**		**Bottom**	
Form Type			**BHST**	
Job depth MD	1096ft		**Job Depth TVD**	
Water Depth			**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**		**To**	

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		8.625	8.097	24			0	756		
Tubing		2.375	1.995	4.6			0	1096		
Open Hole Section			7.875				756	1100		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Tubing Shoe	2.375			1096		**Top Plug**	2.375		HES

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water	Fresh Water	5	bbl	8.33			2.5	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Class G	Premium Cement	50	sack	15.8	1.22		2.5	5.35
5.35 Gal		FRESH WATER							
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Fresh Water	Fresh Water	3.5	bbl	8.33			2.5	

Cement Left In Hole	**Amount**	180ft	Reason	**PTA**	
Mix Water:	pH 7	**Mix Water Chloride:**	0 ppm	**Mix Water Temperature:**	70 °F
Cement Temperature:	75 °F	**Plug Displaced by:**	8.33 lb/gal	**Disp. Temperature:**	70 °F
Plug Bumped?		**Bump Pressure:**		**Floats Held?**	
Cement Returns:		**Returns Density:**	8.33 lb/gal	**Returns Temperature:**	

Comment Pumped 5bbls fresh water, established circulation, started mixing cement at 1033, started pumping at 1044. pumped 50sks or 11bbls at 2.5bpm, displaced 3.5bbls to balance, TOOH to 940ft. Reversed out with 12bbls fresh water, did not see cement to surface. Calculated TOC 915', Est. TOC-940' with cement right below bottom of tubing.

2.0 Real-Time Job Summary

2.1 Job Event Log

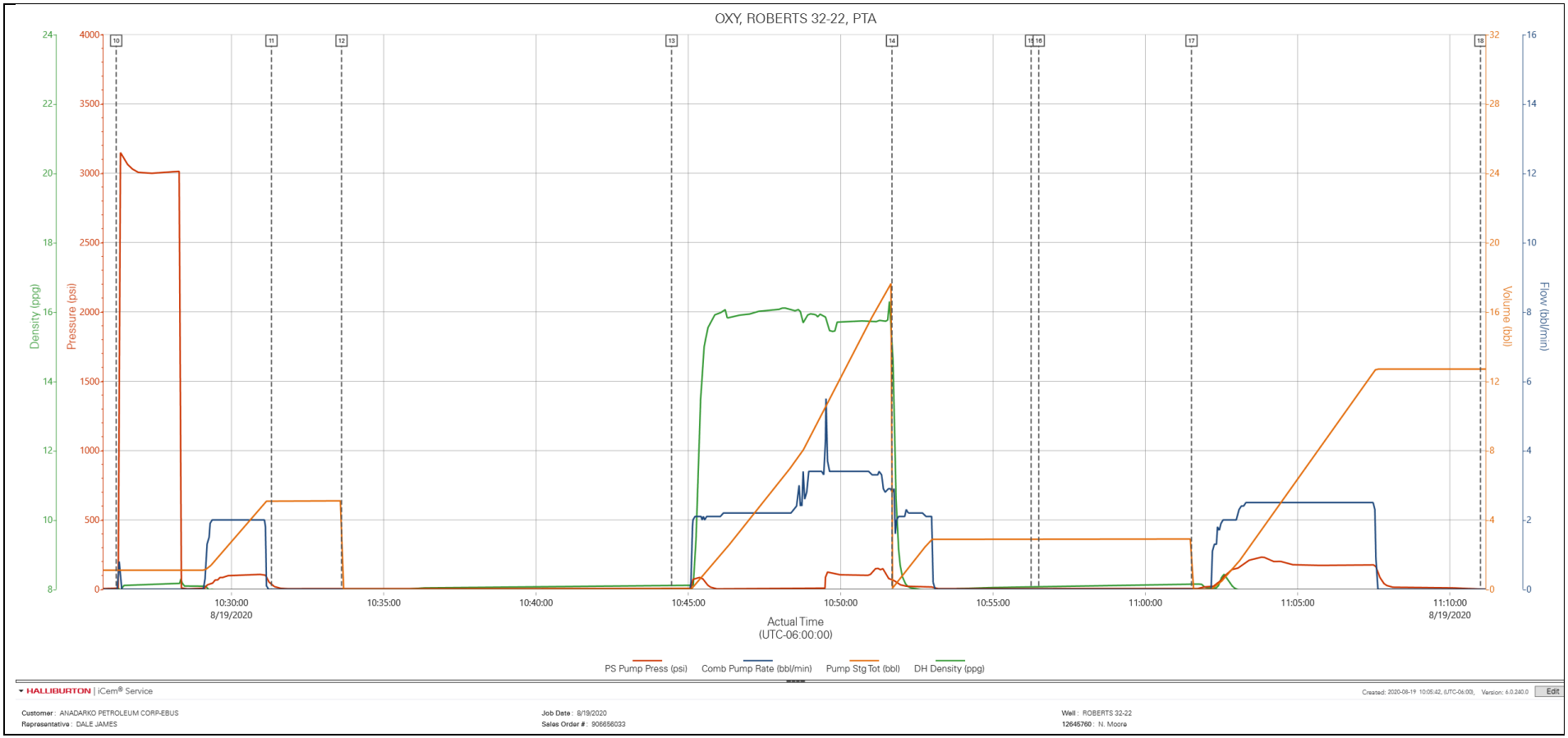
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	DS Pump Press (psi)	Pump Stg Tot (bbl)	Water Stg Tot (gal)	Comments
Event	1	Call Out	Call Out	8/19/2020	04:00:00	USER						Called out by Service Coordinator for O/L at 1000
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	8/19/2020	08:45:00	USER						Held meeting with all personnel in convoy to discuss directions and hazards associated with drive, all fit to drive.
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	8/19/2020	09:00:00	USER						Journey Management prior to departure
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	8/19/2020	09:30:00	USER						Upon arrival met with company man to discuss job details and calculations, performed hazard hunt and site assessment.
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	8/19/2020	09:35:00	USER						Discussed rigging up hazards and procedure according to HMS.
Event	6	Rig-Up Date/Time	Rig-Up Date/Time	8/19/2020	09:40:00	USER						Begin Rig-up.
Event	7	Other	Other	8/19/2020	09:45:00	USER						Water test- PH-6, Chlor-0, Temp-65. Cement temp-70.
Event	8	Rig-Up Completed	Rig-Up Completed	8/19/2020	09:55:00	USER						Rig-up complete with no injuries.
Event	9	Start Job	Start Job	8/19/2020	10:24:10	COM4	0.00	8.31	-3271.00	5.90	744.0	Tub-1,096' 2.375" 4.7#, OH-7.875" 1100', Surf-8.625" 24#-756'. MW-8.4 #.
Event	10	Test Lines	Test Lines	8/19/2020	10:26:13	COM4	0.00	8.02	-3253.00	1.10	5.0	Pumped 0.5bbl to fill lines, shutdown, closed lotorc and

												performed 500 psi k/o function test. Proceeded with 5th gear stall at 3000psi, held pressure until stabilized and no leaks.
Event	11	Other	Other	8/19/2020	10:31:19	COM4	0.00	7.91	-3241.00	5.10	113.0	Pumped 5bbls fresh water at 2.5bpm 90psi.
Event	12	Pump Cement	Pump Cement	8/19/2020	10:33:37	COM4	0.00	7.94	-3263.00	5.10	113.0	Start mixing cement on pump.
Event	13	Other	Other	8/19/2020	10:44:27	COM4	0.00	8.10	-3300.00	0.00	71.0	Pumped cement- 50sks or 11bbls 15.8# 1.22y 5.35g/s G cement at 2.5bpm.
Event	14	Pump Displacement	Pump Displacement	8/19/2020	10:51:41	COM4	2.80	15.10	-3729.00	0.00	0.0	Pumped 3.5bbls fresh water at 2.5bpm.
Event	15	Open Byps Sting In	Open Byps Sting In	8/19/2020	10:56:15	COM4	0.00	8.07	-3728.00	2.90	112.0	
Event	16	Shutdown	Shutdown	8/19/2020	10:56:30	COM4	0.00	8.07	-3731.00	2.90	112.0	Disconnected at tubing, with vacuum on well. Lined up to backside while rig TOOH to 940'.
Event	17	Reverse Circ Well	Reverse Circ Well	8/19/2020	11:01:31	COM4	0.00	8.14	-3732.00	2.90	467.0	Pumped 12bbls to ensure clean hole, did not see cement or contaminants.
Event	18	End Job	End Job	8/19/2020	11:11:00	COM4	0.00	7.99	-3732.00	12.70	289.0	No cement to surface. Approx TOC assuming right on bottom of tubing. 940ft. Calculated at 915'.
Event	19	Pre-Job Safety Meeting	Pre-Job Safety Meeting	8/19/2020	11:17:40	USER	1.90	8.02	-3725.00	24.30	617.0	Held safety meeting with all job associated personnel to discuss job procedure, hazards and stop work authority.
Event	20	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	8/19/2020	11:35:00	USER						

								Discussed rigging down hazards and procedure according to HMS with all HES personnel
Event	21	Safety Meeting - Departing Location	Safety Meeting - Departing Location	8/19/2020	12:15:00	USER		Held meeting with all personnel in convoy to discuss directions and hazards associated with drive, all fit to drive.
Event	22	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	8/19/2020	12:30:00	USER		Pre journey management prior to departure.

3.0 Attachments

3.1 Job Chart



The Road to Excellence Starts with Safety

Sold To #: 300466	**Ship To #:** 3571146	**Quote #:**	**Sales Order #:** 0906663850
Customer: ANADARKO PETROLEUM CORP-EBUS		**Customer Rep:** Dale	
Well Name: ROBERTS	**Well #:** 32-22		**API/UWI #:** 05-123-23836-00
Field: WATTENBERG	**City (SAP):** PLATTEVILLE	**County/Parish:** WELD	**State:** COLORADO
Legal Description: SW NW-22-3N-66W-2036FNL-468FWL			
Contractor: UNKNOWN		**Rig/Platform Name/Num:** WORKOVER RIG	
Job BOM: 7528 7528			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HX41066		**Srvc Supervisor:** Nathaniel Moore	

Job

Formation Name				
Formation Depth (MD)	**Top**		**Bottom**	
Form Type			**BHST**	
Job depth MD	950ft		**Job Depth TVD**	950
Water Depth			**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**		**To**	

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		8.625	8.097	24			0	756		
Tubing		2.375	1.995	4.6			0	950		
Open Hole Section			7.875				756	952		

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water	Mud Flush	10	bbl	8.33				

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Class G	Premium Cement	140	sack	15.8	1.22		2	5.35
1 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.40 %		LAP-1 (100012766)							
94 lbm		CMT - PREMIUM - CLASS G, BULK (100003685)							
4 %		CHEM, CALSEAL 60, 3000 LB SUPER SACK - (102171146)							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Fresh Water	Fresh Water	2	bbl	8.33				

TOC tagged at 486’

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	8/20/2020	04:00:00	USER					O/L Ready to pump at 1000
Event	2	Arrive At Loc	Arrive At Loc	8/20/2020	09:20:00	USER					End journey management. Meet with company representative to discuss job: 2.375" 4.7# tubing set at 950'. 2' above plug tagged from previous day. 7 7/8" open hole to 756' then 8.625" 24# casing to surface. Will pump 175 sks split into two equal plugs. Estimated top of 1st plug 615'. Estimated top of 2nd plug 350'.
Event	3	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	8/20/2020	09:25:00	USER					Hazard hunt. Discussed possible hazards associated with location, rig up, job performance, and weather.
Event	4	Rig-Up Completed	Rig-Up Completed	8/20/2020	09:45:00	USER					Rigged up complete / Rigged up to a edge of red zone
Event	5	Pre-Job Safety Meeting	Pre-Job Safety Meeting	8/20/2020	10:00:00	USER					Meeting with Halliburton and rig personnel. Communicated potential safety hazard and job details.
Event	6	Start Job	Start Job	8/20/2020	10:20:12	COM7	5.00	8.31	0.00	22.40	FIll lines 2 bbl fresh water
Event	7	Test Lines	Test Lines	8/20/2020	10:22:07	COM7	-2.00	8.18	0.00	23.10	Pressure test to 3000 psi with 500 psi kickout test

Event	8	Pump Spacer 1	Pump Spacer 1	8/20/2020	10:24:56	COM7	5.00	8.21	0.00	0.00	10 bbl of mud flush
Event	9	Pump Spacer 2	Pump Spacer 2	8/20/2020	10:29:26	COM7	145.00	8.01	2.50	0.00	5 bbl water
Event	10	Other	Mix Cement	8/20/2020	10:34:03	COM7	1.00	8.06	0.00	6.60	Mix cement. Scaled at 15.8 ppg.
Event	11	Pump Cement	Pump Cement	8/20/2020	10:41:56	COM7	-1.00	8.11	0.00	6.60	87.5 sks 15.8 ppg gas stop cement. 1.22 ft3/sk, 5.35 gal/sk .
Event	12	Pump Displacement	Pump Displacement	8/20/2020	10:49:42	COM7	34.00	17.50	0.00	0.00	2.5 bbl water displacement to balance.
Event	13	Shutdown	Shutdown	8/20/2020	10:51:53	COM7	0.00	-0.14	0.00	2.70	Shut down. Rig pulled 9 joints to 668'.
Event	14	Other	Other	8/20/2020	11:00:05	COM7	2.00	8.07	0.00	2.70	Mix cement. Scaled at 15.8 ppg.
Event	15	Pump Cement	Pump Cement	8/20/2020	11:07:17	COM7	4.00	8.11	0.00	0.00	87.5 sks 15.8 ppg gas stop cement. 1.22 ft3/sk, 5.35 gal/sk. Release line was left open while pumping cement causing approximately 7 bbl of cement to be pumped back into displacement tank. After it was noticed release line was closed and we switched to the displacement tank for mix water to try to get as much cement into the well as possible. Density of all fluid going downhole was maintained at 15.8ppg.
Event	16	Pump Displacement	Pump Displacement	8/20/2020	11:17:54	COM7	0.00	2.21	0.00	20.00	pump 1.5 bbl water displacement to balance.
Event	17	Shutdown	Shutdown	8/20/2020	11:19:07	COM7	2.00	0.07	0.00	1.40	Shutdown. Rig pulled 10 joints and we reversed tubing. Saw dirty water about 1.5 bbl into reverse

												then mud flush. Shutdown and swapped over to wash up.
Event	18	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	8/20/2020	13:00:00	USER						Discussed possible hazards associated with weather, location and rigging down iron and hoses.
Event	19	Rig-Down Completed	Rig-Down Completed	8/20/2020	13:30:00	USER						All Halliburton items were secured for travel.

3.0 Attachments

3.1 Job Chart