



## **Nio Plug**

# **Cement Post Job Report**

Prepared For: Mr. Mike Lutkin  
Prepared Date: 9/20/2017  
Job Date: 9/20/2017

**Anadarko Petroleum Corporation**

**Cannon 13-3**

**Weld County, Colorado**

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# Job Summary

Ticket Number		Ticket Date
TN#	FL2350	9/20/2017

COUNTY	COMPANY	API Number
Weld	Anadarko Petroleum Corporation	05-123-23320
WELL NAME	RIG	JOB TYPE
Cannon 13-3	Basic 1652	Nio Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SWSW 3 - 2N - 65W	Douglass, Brian	Edgar Chavez

EMPLOYEES		
Devine, Rich		
Phillips, James		

<b>WELL PROFILE</b>			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

### Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

### Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	9.625	36	J-55				
Production	4.5	11.6	P-110	0	6840		
tubing	2.375	4.7		0	6835		

### CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	6408	To Depth (ft):	6840
Type: <b>Nio Plug</b>	Volume (sacks):	25	Volume (bbls):	6.7

Cement & Additives:	Density (ppg)	Yield (ft <sup>3</sup> /sk)	Water Req.
100% Thermal 35+0.1% CFR-5+0.3% ASM-3	15.8	1.52	6.26

### SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	25.1	Stage 1	Stage 2
		Actual Displacement (bbl):	23		
Total Preflush/Spacer Volume (bbl):	5	Plug Bump (Y/N):	n/a	Bump Pressure (psi):	n/a
Total Slurry Volume (bbl):	6.7	Lost Returns (Y/N):	n (if Y, when)		
Total Fluid Pumped	34.7				
Returns to Surface:	Mud	1 bbls			

Job Notes (fluids pumped / procedures / tools / etc.): fill lines. Pressure test to 2500 psi. 5 bbls of fresh. 6.7 bbls of cement @ 15.8 ppg. Displace 23 bbls of h20. pumped job per program and per customers request

**Thank You For Using**  
**O - TEX Pumping**

Customer Representative Signature: \_\_\_\_\_

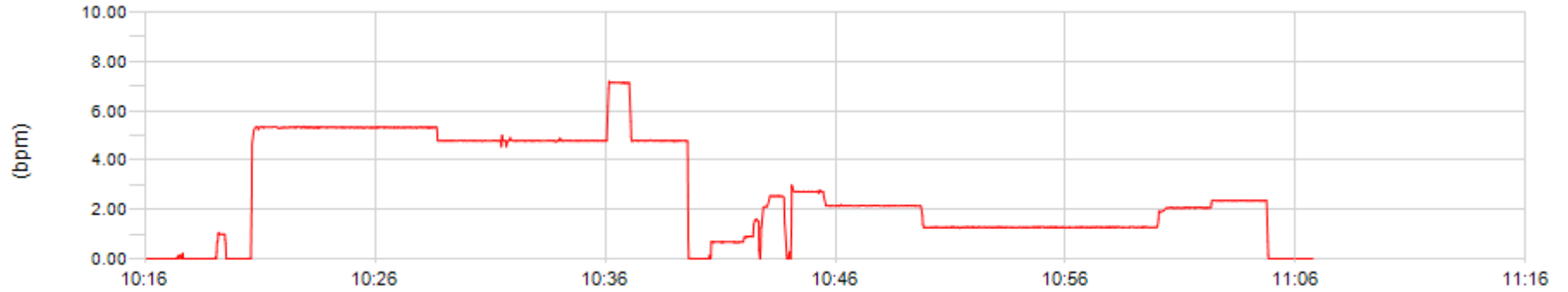


Client ANADARKO PETROLEUM  
CORP  
Ticket No. 2350  
Location SW SW SEC. 3-T2N-R65W  
Comments SEE JOB LOG FOR DETAILS

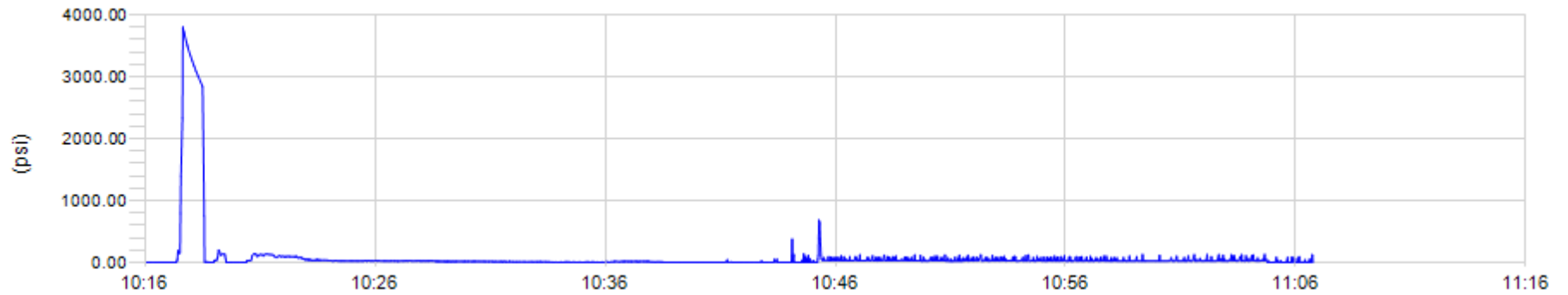
Client Rep MR. EDGAR CHAVEZ  
Well Name CANNON 13-3  
Job Type Abandonment Plugs

Supervisor BRIAN DOUGLASS  
Unit No. 740018  
Service District BRIGHTON,CO  
Job Date 09/20/2017

Unit 740018 Rate Total



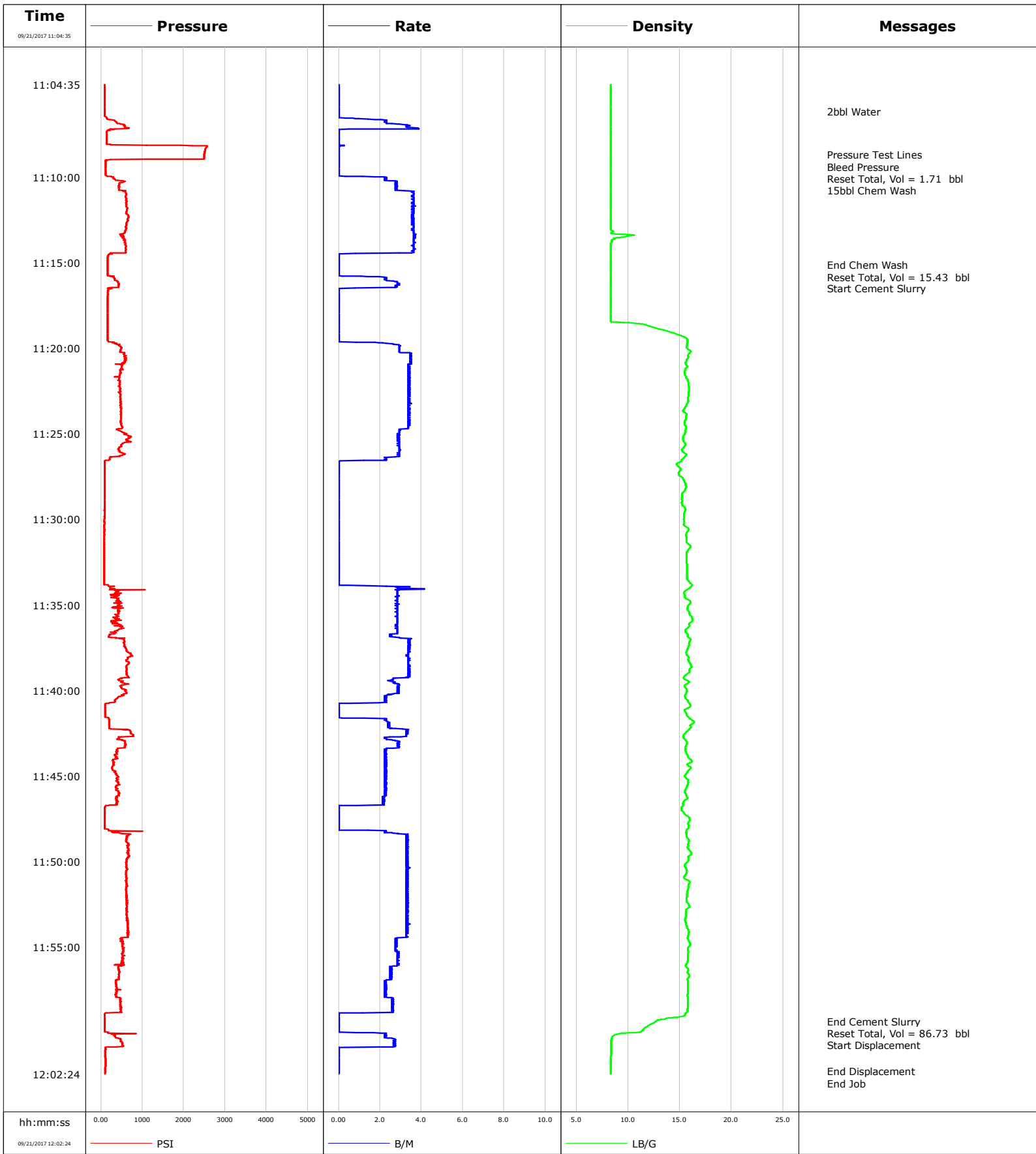
Unit 740018 Pump Pressure



Unit 740018 Density



<b>Well</b>	Cannon	<b>Client</b>	Anadarko
<b>Field</b>	DJ	<b>SIR No.</b>	DA6T-01555
<b>Engineer</b>	Chris Valerio	<b>Job Type</b>	Stub Plug
<b>Country</b>	United States	<b>Job Date</b>	09-21-2017



				Customer			Job Number			
				Anadarko			DA6T-01555			
Well		Location (legal)			Schlumberger Location			Job Start		
Canon 13-3								Sep/21/2017		
Field		Formation Name/Type		Deviation	Bit Size	Well MD		Well TVD		
DJ		Shale		deg	7.9 in	1430.0 ft		1430.0 ft		
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient			
Weld		Colorado		psi	90 degF	80 degF	lb/gal			
Well Master		API/UWI								
0631734807		512323320								
Rig Name	Drilled For	Service Via		Casing/Liner						
Basic #1652	N/A	Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class	Well Type		764.0	8.6	24.0	J55	8RD		
	Old	Workover		1430.0	4.5	11.6	M80	8RD		
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe					
Other		8.30 lb/gal	cP		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type									
Cementing	Stub Plug									
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole						
1000 psi	psi	2 3/8" 4.7# T/S		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
<b>Service Instructions</b> 2bbl Water 15bbl Chem Wash 84.7bbl 410sks CMT @ 15.8# 1.16 Yield 5.11 gal/sk water Displace 2bbl Water Estimated top of CMT 525'				ft	ft			ft		
				ft	ft			Diameter		
				ft	ft			in		
				Treat Down	Displacement	Packer Type	Packer Depth			
Tubing	2.0 bbl		ft							
Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.							
5.4 bbl	bbl	bbl	bbl							
Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement	Casing Tools			Squeeze Job					
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
Lift Pressure		Shoe Type		Squeeze Type						
psi										
Pipe Rotated	Pipe Reciprocated	Shoe Depth		Tool Type						
<input type="checkbox"/>	<input type="checkbox"/>	ft								
No. Centralizers	Top Plugs	Bottom Plugs		Stage Tool Type		Tool Depth				
						ft				
Cement Head Type				Stage Tool Depth		Tail Pipe Size				
				ft		in				
Job Scheduled For		Arrived on Location		Leave Location		Collar Type		Tail Pipe Depth		
Sep/21/2017 11:00		Sep/21/2017 11:00		Sep/21/2017 12:30				ft		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/21/2017	11:04:35	86	0.0	8.31	0.0	Started Acquisition				
09/21/2017	11:06:10	91	0.0	8.31	0.0	2bbl Water				
09/21/2017	11:08:42	2498	0.0	8.31	1.7	Pressure Test Lines				
09/21/2017	11:09:14	109	0.0	8.31	1.7	Bleed Pressure				
09/21/2017	11:09:20	109	0.0	8.31	1.7	Reset Total, Vol = 1.71 bbl				
09/21/2017	11:09:27	109	0.0	8.31	1.7	15bbl Chem Wash				
09/21/2017	11:09:35	109	0.0	8.31	1.7					
09/21/2017	11:14:35	178	0.0	8.33	17.1					
09/21/2017	11:15:08	164	0.0	8.32	17.1	End Chem Wash				
09/21/2017	11:15:10	164	0.0	8.32	17.1	Reset Total, Vol = 15.43 bbl				
09/21/2017	11:15:15	164	0.0	8.32	17.1	Start Cement Slurry				
09/21/2017	11:19:35	178	0.0	15.75	17.1					
09/21/2017	11:24:35	512	3.4	15.58	33.5					
09/21/2017	11:29:35	86	0.0	15.46	39.2					
09/21/2017	11:34:35	265	2.8	15.53	41.3					
09/21/2017	11:39:35	585	2.7	15.79	56.6					
09/21/2017	11:44:35	274	2.3	16.02	67.1					
09/21/2017	11:49:35	649	3.4	16.07	76.4					
09/21/2017	11:54:35	512	2.7	15.82	92.9					
09/21/2017	11:59:19	95	0.0	12.74	103.9	End Cement Slurry				
09/21/2017	11:59:23	95	0.0	12.59	103.9	Reset Total, Vol = 86.73 bbl				

<b>Well</b> Cannon 13-3		<b>Field</b> DJ		<b>Job Start</b> Sep/21/2017		<b>Customer</b> Anadarko		<b>Job Number</b> DA6T-01555	
<b>Date</b>	<b>Time 24-hr clock</b>	<b>Treating Pressure PSI</b>	<b>Flow Rate B/M</b>	<b>Density LB/G</b>	<b>Volume BBL</b>	<b>Message</b>			
09/21/2017	11:59:35	95	0.0	11.95	103.9				
09/21/2017	12:02:14	100	0.0	8.34	106.0	End Displacement			

### Post Job Summary

<b>Average Pump Rates, bbl/min</b>					<b>Volume of Fluid Injected, bbl</b>			
<b>Slurry</b> 2.9	<b>N2</b>	<b>Mud</b>	<b>Maximum Rate</b> 4.2		<b>Total Slurry</b> 84.7	<b>Mud</b> 0.0	<b>Spacer</b> 0.0	<b>N2</b>
<b>Treating Pressure Summary, psi</b>					<b>Breakdown Fluid</b>			
<b>Maximum</b> 793	<b>Final</b> 100	<b>Average</b> 390	<b>Bump Plug to</b>	<b>Breakdown</b>	<b>Type</b>	<b>Volume</b> bbl		<b>Density</b> lb/gal
<b>Avg. N2 Percent</b> %	<b>Designed Slurry Volume</b> 84.7 bbl		<b>Displacement</b> 2.0 bbl	<b>Mix Water Temp</b> 65 degF	<b>Cement Circulated to Surface?</b> <input type="checkbox"/>	<b>Volume</b> bbl		
					<b>Washed Thru Perfs</b> <input type="checkbox"/>	<b>To</b> ft		
<b>Customer or Authorized Representative</b> Edgar Chavez			<b>Schlumberger Supervisor</b> Chris Valerio			<b>Circulation Lost</b> <input type="checkbox"/>	<b>Job Completed</b> <input checked="" type="checkbox"/>	
					-		-	