

# Job Summary

Ticket Number  
TN# **BCO-1903-0139** Ticket Date  
**3/29/2019**

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>ANADARKO PETROLEUM CORPORATION</b>	<b>05-123-17942</b>
WELL NAME	RIG	JOB TYPE
<b>Booth 24-26</b>	<b>Ensign 122</b>	<b>Plug to Abandon</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.365194 -104.862914</b>	<b>Francisco Flores</b>	<b>Nick Lang</b>
EMPLOYEES		
James Bell-Verhey		
Justin Lacome		
Luis Balbuena		
WELL PROFILE		
Max Treating Pressure (psi):	1500	Bottom Hole Static Temperature (°F):
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)
	7.875	6921	312		
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	8.625	24		312	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Drill Pipe	4	15.7		6921	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

## CEMENT DATA

**Stage 1:** From Depth (ft): **6921** To Depth (ft): **6090**  
Type: **Nio Plug**  
Volume (sacks): **185** Volume (bbls): **50**

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	15.8	1.52	6.18

**Stage 2:** From Depth (ft): **4655** To Depth (ft): **3372**  
Type: **Sussex Balance**  
Volume (sacks): **180** Volume (bbls): **77.2**

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	12	2.41	11.99

**Stage 3:** From Depth (ft): **1012** To Depth (ft): **0**  
Type: **Shoe Plug**  
Volume (sacks): **365** Volume (bbls): **89**

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	14.6	1.37	6.56

**Stage 4:** From Depth (ft): To Depth (ft):  
Type:  
Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

## SUMMARY

			Stage 1	Stage 2
Preflushes:	16 bbls of Fresh Water	Calculated Displacement (bbl):	62.1	34.4
	30 bbls of SAPP	Actual Displacement (bbl):	62.1	34.4
	15 bbls of Fresh Water			
Total Preflush/Spacer Volume (bbl):	60	Plug Bump (Y/N):		Bump Pressure (psi):
Total Slurry Volume (bbl):	216	Lost Returns (Y/N):	N (if Y, when)	
Total Fluid Pumped	373.7			
Returns to Surface:	Cement 6 bbls			

Job Notes (fluids pumped / procedures / tools / etc.):

End of drill pipe@6921'. 4 in 15.7# drill pipe inside 7.875 in OH. Nio Plug- 5 bbls fresh water, followed by 100lbs SAPP treated water, fresh water spacer. Mix/pump 185sx@15.8ppg 1.52Y. ETOC@6090'. Sussex Balance Plug- 5 bbls fresh water, followed by 100lbs SAPP treated water, 5 bbls fresh water spacer. Mix/pump 180sx@12ppg 2.41Y. ETOC@3372'. Started mixing cement @15:30, finished pumping@16:20. At about 19:30 company man said cement set up in drill pipe. Roughly about 30 joints of drill pipe were cemented up. At that point I made a phone call to my office. Proper channels were notified. Company man then instructed driller to lay down all the drill pipe and run back in with new drill pipe. Wireline went in afterwards and tagged cement@4038'. Charles Klosterman advised company man to do 2 seperate plugs, however company man said pump job until we see cement to surface. 5 bbls fresh water, followed by 100lbs SAPP treated water, 5 bbls fresh water spacer. Mix/pump 365sx@14.6ppg 1.37Y. Brought cement to surface, pumped job per customers request. At the end of job rig ran out of water, we only had 3 bbls of fresh water on board. Company man called water hauler around 2:15am. Water hauler arrived @4:00. We finished up wash up and rigged out.

Thank You For Using  
CJES O-TEX Cementing

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

## Cement Job Log



Customer:	ANADARKO PETROLEUM CORPORATION		Date:	3/29/2019		Serv. Supervisor:	Francisco Flores	
Cust. Rep.:	Nick Lang		Ticket #:	BCO-1903-0139		Serv. Center	Brighton - 3021	
Lease:	Booth 24-26		API Well #:	05-123-17942		County:	Weld	State: CO
Well Type:	Oil		Rig:	Ensign 122		Type of Job:	Plug to Abandon	
Materials Furnished by C&J ENERGY SERVICES								
Plugs	Casing Hardware			Physical Slurry Properties				
			Sacks of Cement	Fluid Dens (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbbls)
5 bbl Water								5.00
Nio Balance Plug	100 % CJ914 +0.5 % CJ415+0.2 % CJ704+35.0 % CJ766+0.2 % CJ210K+0.25 PPS CJ600		185	15.8		1.52	6.18	50.05
Sussex Balance	+100 % CJ922 +0.2 % CJ704+0.25 PPS CJ600+0.4 % CJX157011+0.6 % CJ522R+0.6 % CJ540+0.1 % CJ030+20.0 PPS CJ611C		180	12		2.41	11.99	77.15
Shoe Plug	+100 % CJ922 +0.3 % CJ415+0.25 PPS CJ600+0.4 % CJX157011+0.3 % CJ522R		390 365	14.6		1.37	6.56	95.35
Displacement Chemicals:								

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Lease:	Booth 24-26				API Well #:	05-123-17942				County:	Weld		State:	CO	
Well Type:	Oil				Rig:	Ensign 122				Type of Job:	Plug to Abandon				
OPEN HOLE DATA					TUBULAR DATA										
7.875 in OH (6921 to 312)					SIZE WEIGHT	THREAD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)				
					4 in 15.7#		6921								
PREVIOUS CASING DATA					PERFORATED INTERVAL DATA					CASING EQUIPMENT DEPTHS					
8.625 in 24# (312 to 0)					TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP			
WELL FLUID		DISPLACEMENT FLUID			DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)				WATER ON LOC (bbl)				
TYPE	DENSITY	VOLUME	TYPE	DENSITY			1500				1000				
Time	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press. (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Details								
8:45 AM						0	SPOT EQUIPMENT								
9:00 AM						0	RIG UP IRON AND HOSES								
9:55 AM						0	PRE JOB SAFETY MEETING								
10:20 AM	.7		130		1	1	LOAD LINES TO TEST								
10:22 AM			3273			1	TEST PUMP AND LINES TO 3000 PSI								
10:24 AM	1.5		295		5	6	START FRESH WATER SPACER								
10:27 AM	1.5		139		10	16	MIX 100LBS SAPP								
10:32 AM	1.5		104		5	21	FRESH WATER SPACER								
10:35 AM	3		347		50	71	MIX/PUMP 185SX@15.8PPG 1.52Y								
10:55 AM	3		52		62.1	133.1	DISPLACEMENT								
3:27 PM	1.6		78		5	138.1	FRESH WATER SPACER								
3:30 PM	3		208		10	148.1	MIX 100LBS SAPP								
3:37 PM	3		278		5	153.1	FRESH WATER SPACER								
3:40 PM	3		108		77.2	230.3	MIX/PUMP 180SX@12PPG 2.41Y								
4:05 PM	3		26		34.4	264.7	DISPLACEMENT								
1:20 AM	2		95		5	269.7	FRESH WATER SPACER								
1:23 AM	2		104		10	279.7	MIX 100LBS SAPP								
1:28 AM	2		95		5	284.7	FRESH WATER SPACER								
1:30 AM	2.5		136		89	373.7	MIX/PUMP 390SX@14.6PPG 1.37Y 365sx								
2:15 AM						373.7	WASH UP SCM								
4:00 AM						373.7	RIG OUT								
						373.7									
						373.7									
						373.7									
Left Yard	3/29/19 4:00 AM			Left Loc.	3/30/19 4:30 AM			Start Pump	3/29/19 10:20 AM						
Arrived Loc.	3/29/19 5:00 AM			Returned Yd.	3/30/19 5:30 AM			End Pump	3/29/19 4:00 AM						
Bumped Plug (psi)	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Standby Charged (hrs)	Casing Reciprocation					
				6	0	Yes	1500	N/A	15						
							Francisco Flores								
							3/29/2019								
							Service Supervisor								
							Date								

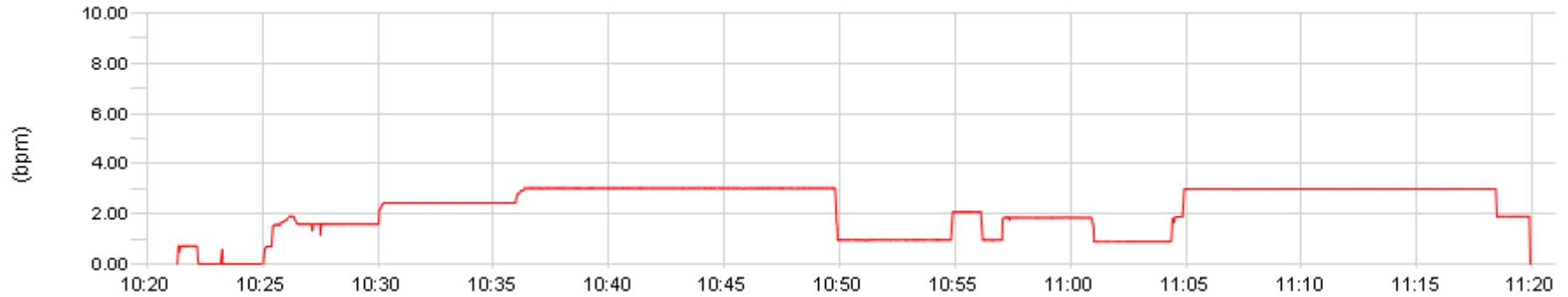


Client Anadarko  
Ticket No. 19030139  
Location SESW 26 5N 67W  
Comments 185sx@15.8ppg 1.52Y

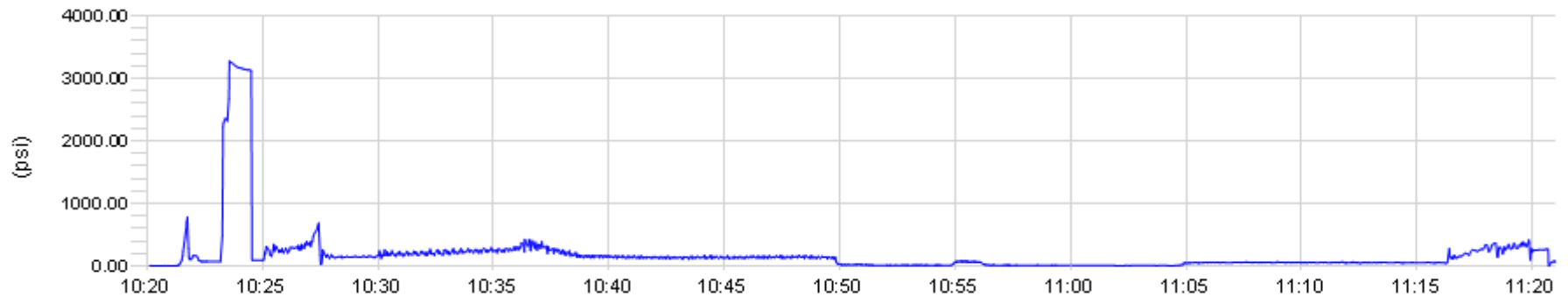
Client Rep Nick Lang  
Well Name Booth 24-26  
Job Type Abandonment Plugs

Supervisor Francisco Flores  
Unit No. 445051  
Service District Brighton  
Job Date 03/29/2019

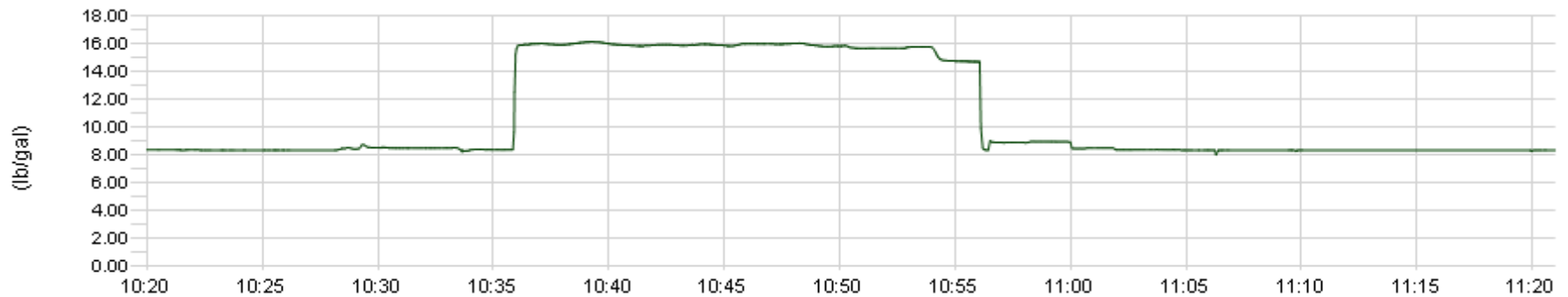
Unit 445051 Rate Total



Unit 445051 Pump Pressure



Unit 445051 Density





Client Anadarko  
Ticket No. 19030139  
Location SESW 26 5N 67W  
Comments 180sx@12ppg 2.41Y

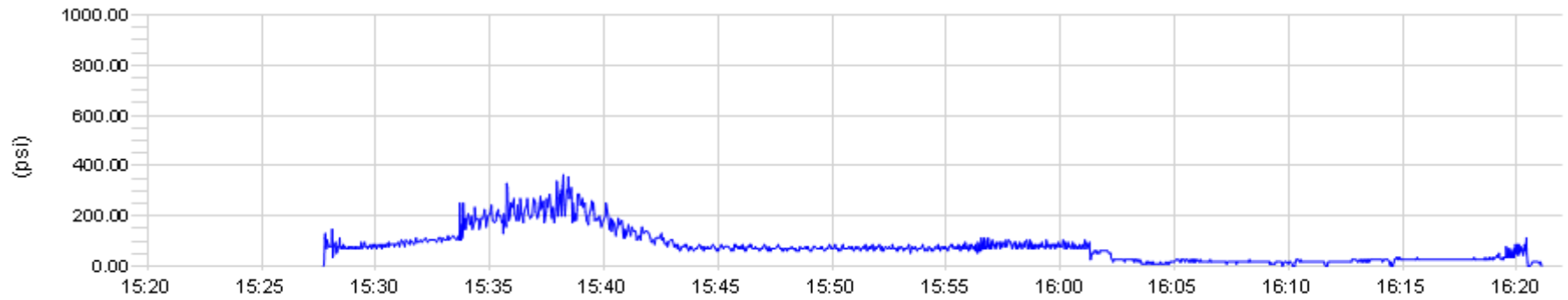
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