

**ANADARKO PETROLEUM CORP - EBUS  
DO NOT MAIL - PO BOX 4995  
THE WOODLANDS, Texas**

HOUSTON 12C-8 HZ

**Majors 42**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 3/27/2014  
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: PRUDHOMME, JOSHUA

# HALLIBURTON

## ***Pumping Schedule***

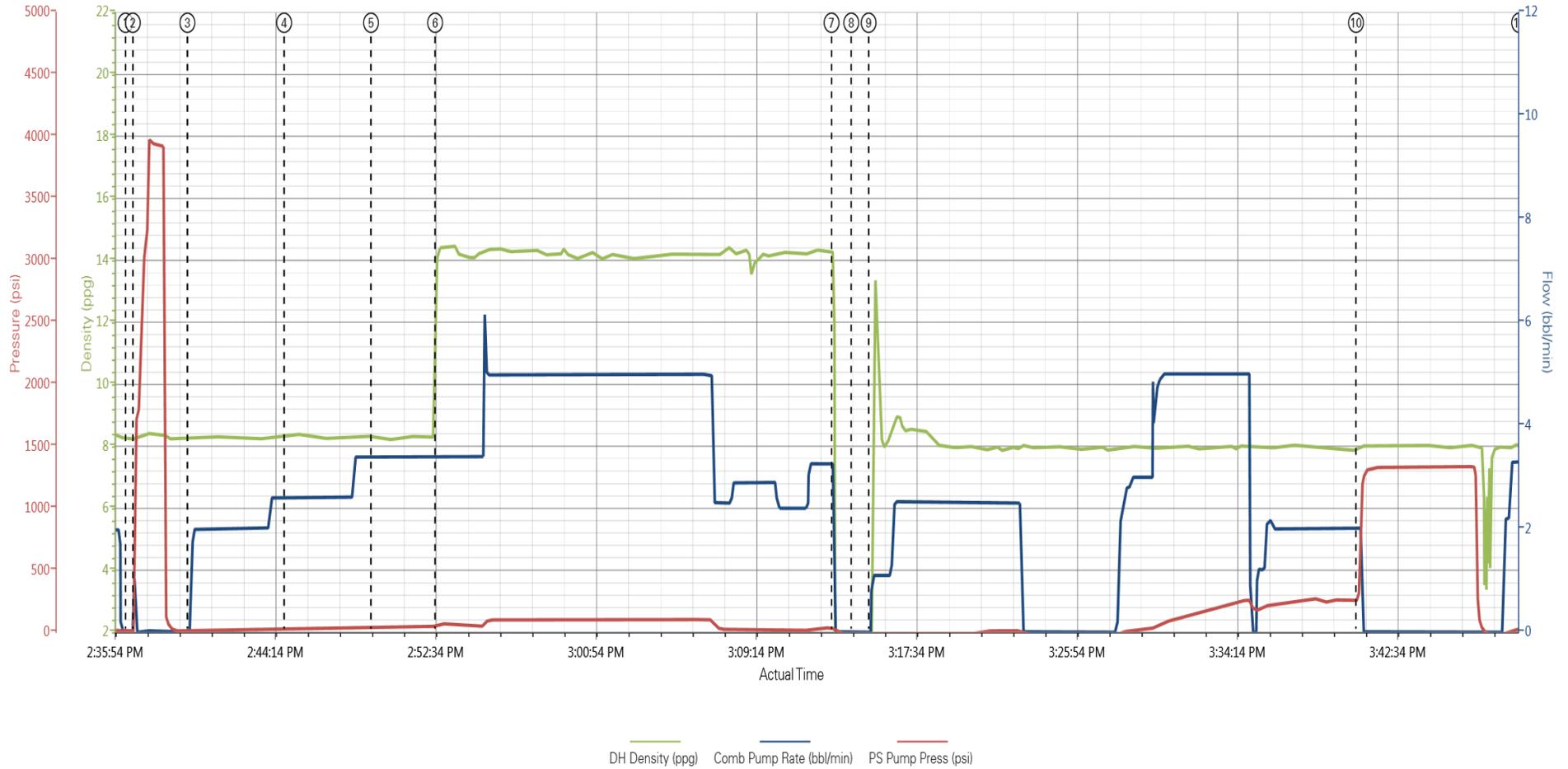
---

<b>Stage /Plug #</b>	<b>Fluid #</b>	<b>Fluid Type</b>	<b>Fluid Name</b>	<b>Surface Density lbm/gal</b>	<b>Avg Rate bbl/min</b>	<b>Surface Volume</b>	<b>Downhole Volume</b>
1	1	Spacer	Fresh Water Spacer	8.33	2.0	10.0 bbl	10.0 bbl
1	1	Spacer	Mud Flush	8.50	2.5	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	3.0	10.0 bbl	10.0 bbl
1	2	Cement Slurry	SwiftCem B2	14.2	4.5	327.0 sacks	327.0 sacks

# HALLIBURTON

## Data Acquisition

Anadarko Houston #12C-8 HZ Surface 3-19-14



- ① Start Job 8.29;0;11
- ② Test Lines 8.26;0;1717
- ③ Pump Spacer 18.25;0;6
- ④ Pump Spacer 28.31;2.6;31
- ⑤ Pump Spacer 18.31;3.4;43
- ⑥ Pump Lead Cement 14.43;3.4;57
- ⑦ Shutdown 14.24;0.1;27
- ⑧ Drop Top Plug -0.28;0;-14
- ⑨ Pump Displacement -0.35;0.8;-13
- ⑩ Bump Plug 7.89;2;286
- ⑪ End Job 7.98;0;11

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
03/19/2014 09:00		Call Out					
03/19/2014 11:30		Depart Yard Safety Meeting					JSA on Job materials, pre-tripping trucks, and driving to location
03/19/2014 13:10		Arrive at Location from Service Center					Arrived on location 50mins early and rig is on schedule putting landing joint on & will circulate 1hr before pumping cmt
03/19/2014 13:15		Assessment Of Location Safety Meeting					Hazard Hunt on location before spotting in trucks
03/19/2014 13:25		Safety Meeting - Pre Rig-Up					JSA on rigging up bulk trucks and iron to rig
03/19/2014 13:30		Rig-Up Equipment					
03/19/2014 13:50		Rig-Up Completed					
03/19/2014 14:10		Safety Meeting - Pre Job					JSA with Company Man, rig hands, and HES hands on pump schedule
03/19/2014 14:36		Start Job					
03/19/2014 14:36		Test Lines					3500psi Pressure Test Lines to Rig floor
03/19/2014 14:39		Pump Spacer 1	2	10		30.0	10bbls H2O spacer
03/19/2014 14:44		Pump Spacer 2	2.5	12		40.0	12bbls Mud flush spacer
03/19/2014 14:49		Pump Spacer 1	3	10		57.0	10bbls H2O spacer
03/19/2014 14:52		Pump Cement	4.5	89.6		100.0	327sk Swiftcem, 14.2ppg, 1.54yield, 7.64gal/sk, Mixed with rig water and # verify by pressurized mud scales 3x's..... 10bbls into cmt weighed 14.3ppg 1/2 way into cmt weighed 14.2ppg Last 10bbls into cmt weighed 14.3ppg
03/19/2014 15:13		Shutdown					
03/19/2014 15:14		Drop Top Plug					Pre-Loaded
03/19/2014 15:15		Pump Displacement	5	60		60.0	H2O displacement, Good returns throughout. 11bbls Cmt to surface
03/19/2014 15:40		Bump Plug	3			280.0	Plug landed at 280psi and brought to 1380psi for 5mins
03/19/2014 15:47		Check Floats					Floats Held
03/19/2014 15:49		End Job					
03/19/2014 15:50		Safety Meeting - Pre Rig-Down					JSA on rigging down bulk trucks and iron from rig
03/19/2014 16:00		Rig-Down Equipment					
03/19/2014 16:40		Rig-Down Completed					
03/19/2014 16:45		Safety Meeting - Departing Location					JSA on location walk around, pre-tripping trucks, and driving back to Brighton yard

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300466	<b>Ship To #:</b> 3354749	<b>Quote #:</b>	<b>Sales Order #:</b> 901194791
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS		<b>Customer Rep:</b> Hersch, Larry	
<b>Well Name:</b> HOUSTON		<b>Well #:</b> 12C-8 HZ	<b>API/UWI #:</b> 05-123-38946-00
<b>Field:</b>	<b>City (SAP):</b> PLATTEVILLE	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> Majors		<b>Rig/Platform Name/Num:</b> Majors 42	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> GREGORY, JON		<b>Srvc Supervisor:</b> BULINSKI, MATTHEW	<b>MBU ID Emp #:</b> 483865

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BULINSKI, MATTHEW J	0.0	483865	SIMMONS, KEATON J	0.0	524850	TOWNSON, JUSTIN T	0.0	555407
WILEY, JAMES A	0.0	440080						

**Equipment**

HES Unit #	Distance-1 way						
10679720C	19 mile	11542778	19 mile	11562544C	19 mile	11605598	19 mile

**Job**

**Job Times**

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone	
				19 - Mar - 2014	09:00	MST	
<b>Form Type</b>		<b>BHST</b>	<b>On Location</b>	19 - Mar - 2014	13:10	MST	
<b>Job depth MD</b>	830. ft	<b>Job Depth TVD</b>	830. ft	<b>Job Started</b>	19 - Mar - 2014	14:36	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>		<b>Job Completed</b>	19 - Mar - 2014	15:49	MST
<b>Perforation Depth (MD)</b>	<i>From</i>	<i>To</i>	<b>Departed Loc</b>	19 - Mar - 2014	17:00	MST	

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		10.0	bbl	8.33			2.0	
2	Mud Flush		12.0	bbl	8.5			2.5	
1	Fresh Water Spacer		10.0	bbl	8.33			3.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	327	sacks	14.2	1.54	7.64	4.5	7.64
7.64 Gal		FRESH WATER							
Calculated Values			Pressures			Volumes			
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		11.0	Actual Displacement	60.0	Treatment
Frac Gradient		15 Min		Spacers		32.0	Load and Breakdown	Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe		Amount	0 ft	Reason	Shoe Joint				
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

