

## **ANADARKO PETROLEUM CORP - EBUS**

HOUSTON 33N-8 HZ

**Majors 42**

# **Post Job Summary**

## **Cement Surface Casing**

Date Prepared: 3/26/2014  
Version: 1

Service Supervisor: SMITH, AARON

Submitted by: PRUDHOMME, JOSHUA

## ***Pumping Schedule***

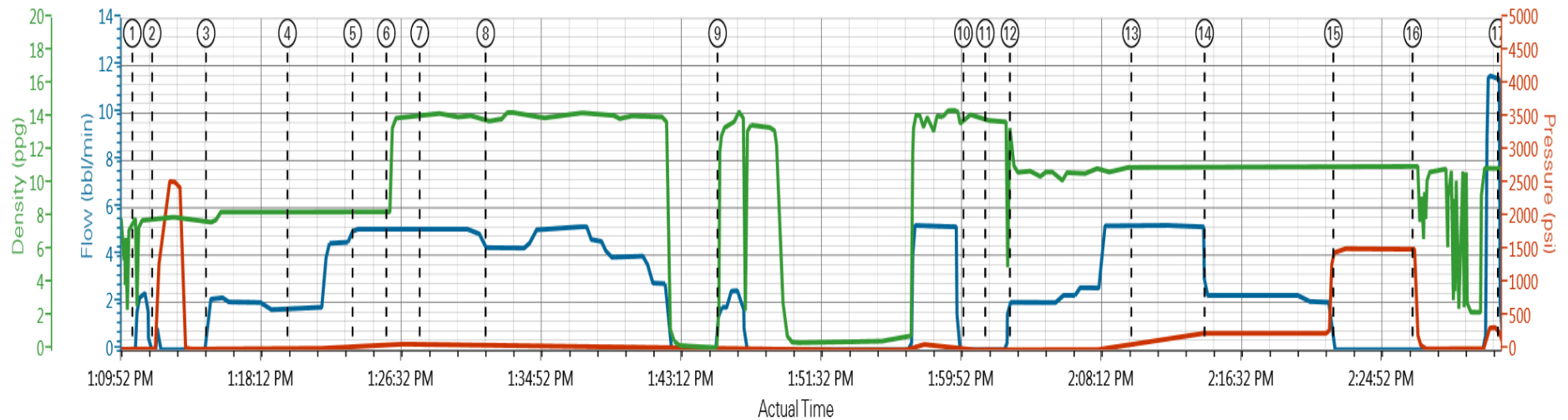
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Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	2.0	10.0 bbl	10.0 bbl
2	2	Spacer	Mud Flush	8.50	4.0	12.0 bbl	12.0 bbl
3	1	Spacer	Fresh Water Spacer	8.33	4.0	10.0 bbl	10.0 bbl
4	3	Cement Slurry	SwiftCem B2	14.2	4.0	323.0 sacks	323.0 sacks

# HALLIBURTON

## Data Acquisition

### ANADARKO PETROLEUM HOUSTON 33N-8 HZ SURFACE



Comb Pump Rate (bbl/min) 3.3 PS Pump Press (psi) 3 DH Density (ppg) 2.73

- |                           |                             |                      |                               |                          |                             |
|---------------------------|-----------------------------|----------------------|-------------------------------|--------------------------|-----------------------------|
| ① Start Job 0;8;7.93      | ④ Pump Spacer 2 1;8;21;8.21 | ⑦ Other 5;1;73;14.15 | ⑩ Shutdown 0;5;14.03          | ⑬ Other 5;3;94;11.01     | ⑯ Check Floats 0;1474;11.07 |
| ② Test Lines 0;12;7.95    | ⑤ Pump Spacer 1 5;1;56;8.33 | ⑧ Other 4;3;48;13.82 | ⑪ Drop Top Plug 0;-1;13.81    | ⑭ Other 2;3;230;10.95    | ⑰ End Job 0;139;10.91       |
| ③ Pump Spacer 1 2;13;7.59 | ⑥ Pump Cement 5;1;62;8.29   | ⑨ Other 1;8;5;12.97  | ⑫ Pump Displacement 2;6;11.55 | ⑮ Bump Plug 0;1512;11.03 |                             |

▼ HALLIBURTON | iCem® Service

Created: 2014-03-18 11:41:27, Version: 3.0.121

Edit

Customer: ANADARKO PETROLEUM CORP -  
EBUS

Job Date: 3/18/2014 12:24:33 PM

Well: HOUSTON 33N-8 HZ

Representative: AARON SMITH

Sales Order #: 901194499

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
03/18/2014 11:30		Arrive at Location from Service Center					WITH ALL EQUIPMENT AND MATERIALS,
03/18/2014 11:30		Casing on Bottom					
03/18/2014 11:30		Circulate Well					
03/18/2014 11:35		Assessment Of Location Safety Meeting					
03/18/2014 11:40		Pre-Rig Up Safety Meeting					RIG-UP JSA
03/18/2014 11:45		Rig-Up Equipment					
03/18/2014 12:15		Rig-Up Completed					
03/18/2014 13:00		Pre-Job Safety Meeting					WITH CUSTOMER REP AND RIG CREW
03/18/2014 13:10		Start Job					
03/18/2014 13:11		Test Lines					FRESH WATER WITH NO ADDITIVES
03/18/2014 13:15		Pump Spacer 1	2	10			FRESH WATER WITH NO ADDITIVES
03/18/2014 13:19		Pump Spacer 2	4	12			FRESH WATER WITH MUD FLUSH
03/18/2014 13:23		Pump Spacer 1	4	10			FRESH WATER WITH NO ADDITIVES
03/18/2014 13:25		Pump Cement	4	89			323SKS SWIFTCM B1 @ 14.2 PPG 1.55 YIELD, 7.68 GAL/SK
03/18/2014 13:27		Other					WEIGHED CEMENT WITH PRESSURIZED SCALES @ 10 BBLS INTO CEMENT @ 14.2 PPG
03/18/2014 13:31		Other					WEIGHED CEMENT WITH PRESSURIZED SCALES AT 44 BBLS INTO CEMENT @ 14.3 PPG,
03/18/2014 13:45		Other					WEIGHED CEMENT WITH PRESSURIZED SCALES @ 79 BBLS INTO CEMENT @ 14.15
03/18/2014 14:00		Shutdown					
03/18/2014 14:01		Drop Top Plug					PRE-LOADED HWE TOP PLUG IN PLUG CONTAINER VERIFIED BY CUSTOMER REP
03/18/2014 14:02		Pump Displacement	5	59		260.0	FRESH WATER WITH NO ADDITIVES
03/18/2014 14:10		Spacer Returns to Surface					@ 10 BBLS DISPLACEMENT, 32 BBLS TO THE PIT
03/18/2014 14:14		Cement Returns to Surface					@ 42 BBLS DISPLACEMENT, 17 BBLS TO THE PIT
03/18/2014 14:22		Bump Plug	2			1560.0	FINAL CIRCULATING PRESSURE 260, 264 PSI TO LAND, 354 PSI TO LIFT,
03/18/2014 14:26		Check Floats					FLOATS HELD, .5 BBLS BACK
03/18/2014 14:31		End Job					RIG DOWN JSA, JOURNEY MANAGMENT MEETING, THANKS AARON SMITH AND CREW

### The Road to Excellence Starts with Safety

<b>Sold To #:</b> 300466		<b>Ship To #:</b> 3354762		<b>Quote #:</b>		<b>Sales Order #:</b> 901194499	
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS				<b>Customer Rep:</b> Hersch, Larry			
<b>Well Name:</b> HOUSTON			<b>Well #:</b> 33N-8 HZ		<b>API/UWI #:</b>		
<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>Srv Supervisor:</b> SMITH, AARON			<b>MBU ID Emp #:</b> 518187	
<b>Job Personnel</b>							
<b>HES Emp Name</b>	<b>Exp Hrs</b>	<b>Emp #</b>	<b>HES Emp Name</b>	<b>Exp Hrs</b>	<b>Emp #</b>	<b>HES Emp Name</b>	<b>Exp Hrs</b>
DODSON, RICHARD Bryan	3.5	518192	MASTEL, RYAN Eugene	3.5	561732	SMITH, AARON David	3.5
<b>Equipment</b>							
<b>HES Unit #</b>	<b>Distance-1 way</b>	<b>HES Unit #</b>	<b>Distance-1 way</b>	<b>HES Unit #</b>	<b>Distance-1 way</b>	<b>HES Unit #</b>	<b>Distance-1 way</b>
10679720C	19 mile	11562544C	19 mile	11667703C	19 mile	12010173	19 mile
<b>Job</b>				<b>Job Times</b>			
<b>Formation Name</b>				<b>Date</b>			
<b>Formation Depth (MD)</b> <b>Top</b>				<b>Time</b>			
<b>Bottom</b>				<b>Time Zone</b>			
<b>Form Type</b>		<b>BHST</b>		<b>Called Out</b>		<b>18 - Mar - 2014</b>	
<b>Job depth MD</b>		<b>Job Depth TVD</b>		<b>On Location</b>		<b>11:30</b>	
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>		<b>Job Started</b>		<b>13:10</b>	
<b>Perforation Depth (MD)</b> <b>From</b>		<b>To</b>		<b>Job Completed</b>		<b>14:31</b>	
				<b>Departed Loc</b>		<b>15:00</b>	

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			4.0	
1	Fresh Water Spacer		10.0	bbl	8.33			4.0	
3	SwiftCem B2	SWIFTCem (TM) SYSTEM (452990)	323	sacks	14.2	1.54	7.64	4.0	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		32.0		Actual Displacement 59.0	
Frac Gradient		15 Min		Spacers		17.0		Load and Breakdown	
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					

