

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

Badding 37N-35HZ

**Majors 29**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 11/17/2013  
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: TRIER, DEREK

**HALLIBURTON**

# HALLIBURTON

## Wellbore Geometry

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Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	1,325.00	43.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,334.00	0.00

# HALLIBURTON

## ***Pumping Schedule***

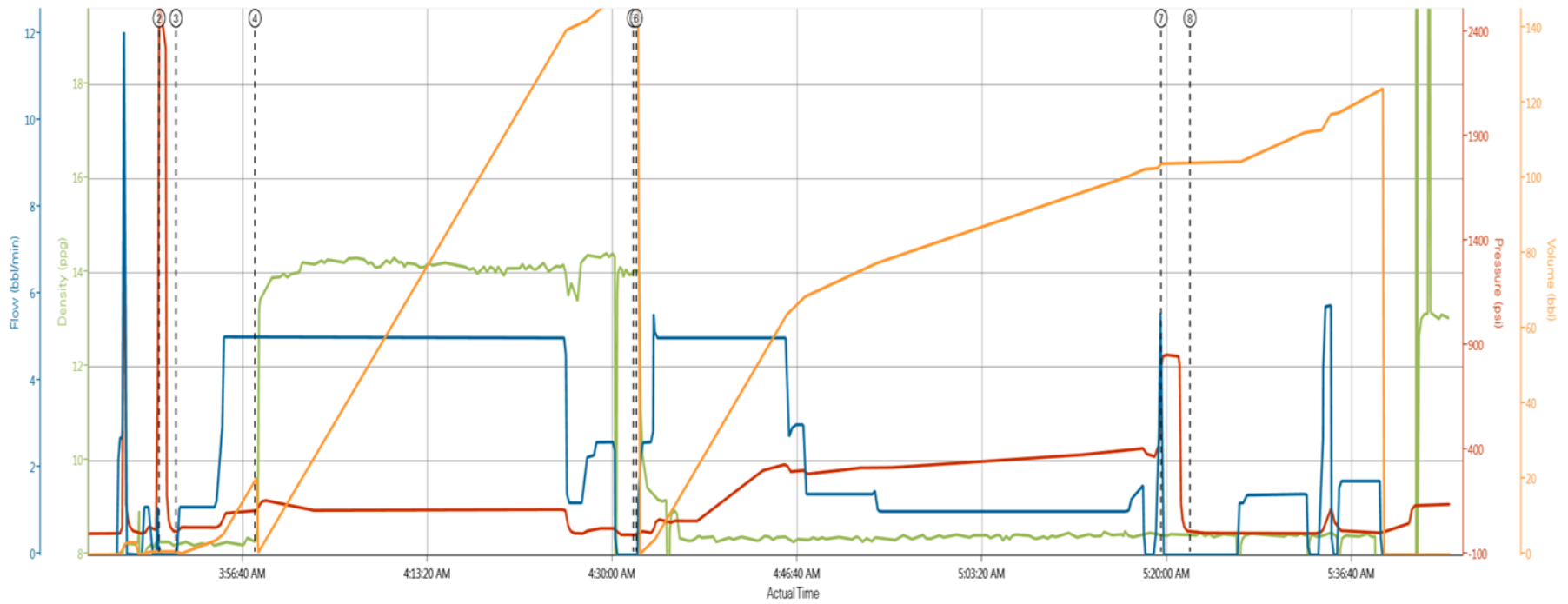
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<b>Stage /Plug #</b>	<b>Fluid #</b>	<b>Fluid Type</b>	<b>Fluid Name</b>	<b>Surface Density lbm/gal</b>	<b>Avg Rate bbl/min</b>	<b>Surface Volume</b>	<b>Downhole Volume</b>
1	1	Spacer	Fresh Water Spacer	8.33	5.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	5.00	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	5.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.0	499.0 sacks	499.0 sacks

# HALLIBURTON

## Data Acquisition

ANADARKO BADDING 37N-35HZ



DH Density (ppg) PS Pump Press (psi) Comb Pump Rate (bbl/min) Pump Stg Tot (bbl)

- ① Start Job 0.12;137.0;0
- ② Test Lines 8.28;2470.0;0.9
- ③ Pump Spacer 1 8.19;12.1;1.0
- ④ Pump Cement 8.25;112.5;0.1
- ⑤ Drop Top Plug 14.05;4.0;148.5
- ⑥ Pump Displacement 13.99;-1.1;2.0
- ⑦ Bump Plug 8.44;853.0;104.3
- ⑧ End Job 8.42;9.0;104.3

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
11/11/2013 23:00		Call Out					CREW CALLED AT 23:00
11/12/2013 01:45		Arrive at Location from Service Center					
11/12/2013 01:50		Assessment Of Location Safety Meeting					HAZARD HUNT ON LOCATION
11/12/2013 03:45		Safety Meeting - Pre Job					
11/12/2013 03:49		Start Job					
11/12/2013 03:49		Test Lines				2470.0	FRESH WATER WITH NO ADDITIVES
11/12/2013 03:50		Pump Spacer 2	5	20		12.0	FRESH WATER WITH NO ADDITIVES
11/12/2013 03:57		Pump Lead Cement	5	136		112.0	499 SKS SWIFTCEM B2 MIXED @ 14.2 PPG YIELD 1.53 FT <sup>3</sup> /FT AND 7.63 GAL/SK. VERIFIED BY PRESSURIZED SCALES
11/12/2013 04:30		Shutdown					
11/12/2013 04:32		Drop Top Plug					HWE TOP PLUG PRELOADED
11/12/2013 04:32		Pump Displacement	5	100		382.0	FRESH WATER WITH NO ADDITIVES. CAUGHT CEMENT @ 30 BBLs AWAY AND SPACER RETURNED TO SURFACE @ 27 BBLs AWAY AND 16 BBLs CEMENT BACK TO SURFACE
11/12/2013 05:19		Bump Plug	1			851.0	CALCULATED PRESSURE TO LAND WAS 477 AND PRESSURE TO LIFT WAS 561 PSI
11/12/2013 05:20		Other					FLOATS HELD AND GOT 1 BBLs BACK.
11/12/2013 05:22		End Job					HELD SAFETY MEETING TO RIG DOWN AND DEPART LOCATION

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300466		<b>Ship To #:</b> 3198512		<b>Quote #:</b>		<b>Sales Order #:</b> 900888644	
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS				<b>Customer Rep:</b> Case, Randy			
<b>Well Name:</b> Badding			<b>Well #:</b> 37N-35HZ		<b>API/UWI #:</b> 05-213-38335		
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> FORT LUPTON		<b>County/Parish:</b> Weld		<b>State:</b> Colorado	
<b>Contractor:</b> Majors			<b>Rig/Platform Name/Num:</b> Majors29				
<b>Job Purpose:</b> Cement Surface Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Surface Casing			
<b>Sales Person:</b> PLIENESS, RYAN			<b>Srvc Supervisor:</b> LAVALLEY, LARRY		<b>MBU ID Emp #:</b> 419296		

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LANGE, TIMOTHY Paul	0.0	520811	LAVALLEY, LARRY P	0.0	419296	NESBITT, ROY Iverson	0.0	537416
SIMMONS, KEATON J	0.0	524850						

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10679720C	12 mile	11106651	12 mile	11488570C	12 mile	11518549	12 mile
11562562	12 mile						

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Formation Depth (MD)</b>				11 - Nov - 2013	23:00	MST
<b>Form Type</b>		BHST	<b>On Location</b>	12 - Nov - 2013	01:45	MST
<b>Job depth MD</b>	1334. ft	<b>Job Depth TVD</b>	1325. ft	<b>Job Started</b>	12 - Nov - 2013	03:45
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	6. ft	<b>Job Completed</b>	12 - Nov - 2013	05:30
<b>Perforation Depth (MD)</b>	<i>From</i>	<i>To</i>	<b>Departed Loc</b>	12 - Nov - 2013	06:15	MST

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
13 1/2" Open Hole Section				13.5				.	1334.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1325.		

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	20	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	20	MI		
KIT,HALL WELD-A	1	EA		
Description	Qty	Qty uom	Depth	Supplier
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	10	EA		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	EA		
PLUG,CMTG, TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	2	EA		

**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		10.00	bbl	8.33			5.0	
2	Mud Flush		12.00	bbl	8.4			5.0	
3.5 lbm/bbl		MUD FLUSH III, 40 LB SACK (101633304)							
42 gal/bbl		MUD FLUSH III - SBM (528788)							
1	Fresh Water Spacer		10.00	bbl	8.33			5.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	499.0	sacks	14.2	1.53	7.63	5.0	7.63
7.63 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	100	Shut In: Instant		Lost Returns	0	Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	16	Actual Displacement	100	Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	43 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					

