

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

KERBS 31C-14HZ

**Majors 29**

# **Post Job Summary**

## **Cement Surface Casing**

Date Prepared: 2/6/2014  
Version: 1

Service Supervisor: VIGIL, NICHOLAS

Submitted by: TRIER, DEREK

# 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	1,063.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,063.00	0.00

# HALLIBURTON

## ***Pumping Schedule***

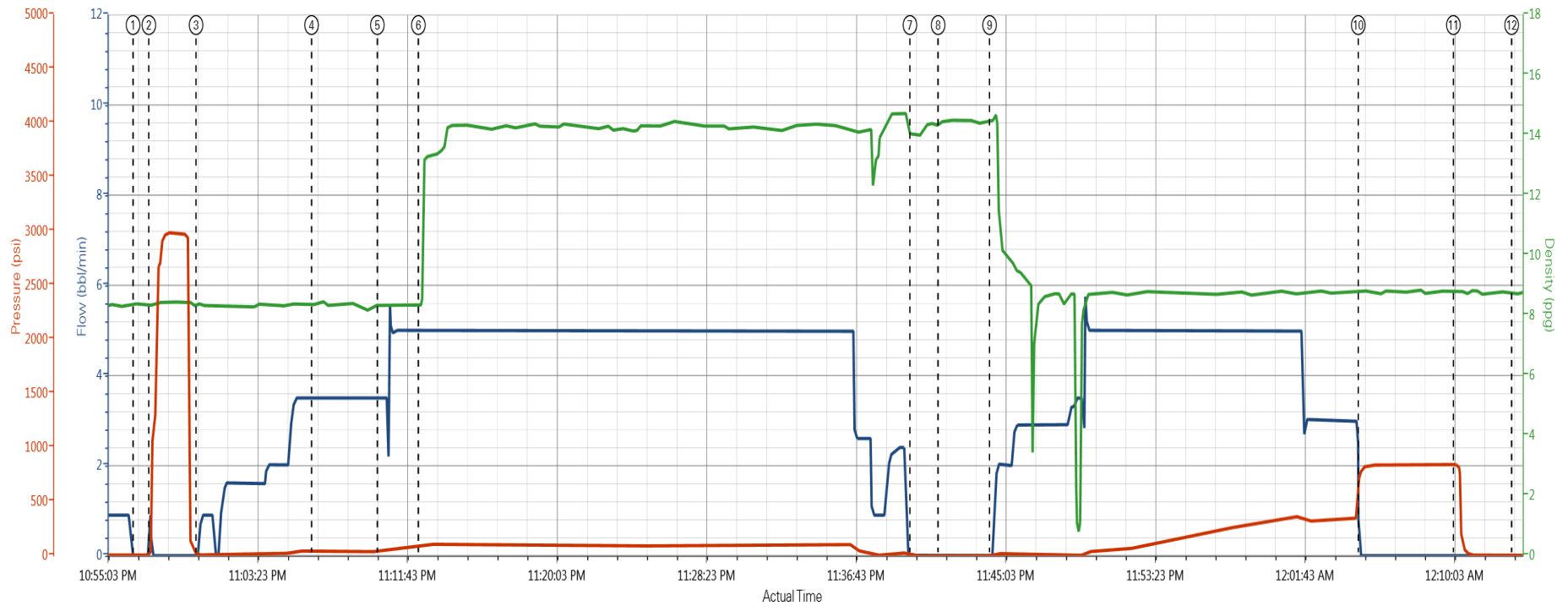
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<b>Stage /Plug #</b>	<b>Fluid #</b>	<b>Fluid Type</b>	<b>Fluid Name</b>	<b>Surface Density lbm/gal</b>	<b>Avg Rate bbl/min</b>	<b>Surface Volume</b>	<b>Downhole Volume</b>
1	1	Spacer	Fresh Water Spacer	8.33	2.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	3.50	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	5.00	403.0 sacks	403.0 sacks

# HALLIBURTON

## Data Acquisition

Anadarko Kerb 31C-14HZ



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

① Start Job ② Test Lines ③ Water Spacer ④ Mud Flush ⑤ Water Spacer ⑥ 14.2 ppg SwiftCem ⑦ Shutdown ⑧ Drop Top Plug ⑨ Pump Displacement ⑩ Bump Plug ⑪ Check Floats ⑫ End Job

▼ HALLIBURTON | iCem® Service

Created: 2014-01-29 20:45:50, Version: 3.0.121

Edit

Customer: ANADARKO PETROLEUM CORP - EBUS

Job Date: 1/29/2014 9:14:28 PM

Well: Kerbs 31C-14HZ

Representative: Nicholas Vigil

Sales Order #: 901077610

Job Type: 9 5/8 Surface

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/29/2014 20:20		Arrive At Loc					On location time was 20:00, Rig still had around 13 joints of casing left to run
01/29/2014 20:30		Assessment Of Location Safety Meeting					Hazard hunt, Rig up safety meeting, Water test
01/29/2014 20:35		Rig-Up Equipment					
01/29/2014 21:00		Rig-Up Completed					
01/29/2014 21:05		Comment					Rig still had to circulate for a while
01/29/2014 22:30		Pre-Job Safety Meeting					Had a safety meeting with all personnel on location
01/29/2014 22:56		Start Job					
01/29/2014 22:57		Test Lines					Pressure tested lines to 3000 psi
01/29/2014 23:00		Pump Spacer 1	2	10		22.0	Fresh water
01/29/2014 23:06		Pump Spacer 2	3.5	12		42.0	Mud Flush
01/29/2014 23:10		Pump Spacer 1	5	10		73.0	Fresh water
01/29/2014 23:12		Pump Cement	5	110.5		95.0	14.2 ppg SwiftCem (403 sks), weight was verified by scale
01/29/2014 23:39		Shutdown					
01/29/2014 23:41		Drop Top Plug					Broke off swage and dropped plug while we were shut down
01/29/2014 23:44		Pump Displacement	5	40		180.0	Displaced using fresh water
01/30/2014 00:04		Bump Plug	3	79.1		350.0	Bumped plug 500 psi over final lift bringing our final pressure up to 850 psi
01/30/2014 00:10		Check Floats					Floats held
01/30/2014 00:13		End Job					Rig down safety meeting
01/30/2014 00:20		Rig-Down Equipment					
01/30/2014 01:00		Rig-Down Completed					

**The Road to Excellence Starts with Safety**

<b>Sold To #:</b> 300466	<b>Ship To #:</b> 3206279	<b>Quote #:</b>	<b>Sales Order #:</b> 901077610
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS		<b>Customer Rep:</b> Case, Randy	
<b>Well Name:</b> KERBS		<b>Well #:</b> 31C-14HZ	<b>API/UWI #:</b> 05-123-38398
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> MEAD	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Lat:</b> N 40.231 deg. OR N 40 deg. 13 min. 51.65 secs.		<b>Long:</b> W 104.944 deg. OR W -105 deg. 3 min. 21.722 secs.	
<b>Contractor:</b> Majors		<b>Rig/Platform Name/Num:</b> Majors 29	
<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> VIGIL, NICHOLAS	<b>MBU ID Emp #:</b> 443481

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ACEVEDO, ROBERTO Carlos	0.0	551312	ROMERO, JOSEPH M	0.0	512137	SCILEPPI, JOSEPH Dean	0.0	555492
VIGIL, NICHOLAS Joseph	0.0	443481						

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866497C	34 mile	11562570C	34 mile	11812069C	34 mile	12010168	34 mile

**Job**

**Job Times**

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone	
				29 - Jan - 2014	15:30	MST	
<b>Form Type</b>		<b>BHST</b>	<b>On Location</b>	29 - Jan - 2014	20:20	MST	
<b>Job depth MD</b>	1243. ft	<b>Job Depth TVD</b>	1063. ft	<b>Job Started</b>	29 - Jan - 2014	22:56	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>		<b>Job Completed</b>	30 - Jan - 2014	00:13	MST
<b>Perforation Depth (MD) From</b>		<b>To</b>		<b>Departed Loc</b>	30 - Jan - 2014	01:10	MST

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
13 1/2" Open Hole Section				13.5				.	1063.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1063.		

**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			2.0	
2	Mud Flush		12.00	bbl	8.4			3.5	
	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)	403.0	sacks	14.2	1.54	7.66	5.0	7.66
	7.66 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	79.1	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	79.1	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement	5.0	Avg. Job			
Cement Left In Pipe	Amount	45 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					

