

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

USA Fed 29N-36HZ

**Xtreme 8**

## **Post Job Summary**

# **Cement Surface Casing**

Prepared for:  
Date Prepared: 9/26/2013  
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: FINNEY, SEAN

**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	940.00	42.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	940.00	0.00

# HALLIBURTON

## Pumping Schedule

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	0.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	0.00	12.0 bbl	12.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20		360.0 sacks	360.0 sacks

## Fluids Pumped

**Stage/Plug # 1 Fluid 1:** Fresh Water Spacer  
DUMMY MUD / FLUSH / SPACER SBC MATERIAL

Fluid Density: 8.33 lbm/gal  
Fluid Volume: 10.00 bbl  
Pump Rate: 0.00 bbl/min

**Stage/Plug # 1 Fluid 2:** Mud Flush  
DUMMY MUD / FLUSH / SPACER SBC MATERIAL  
42 gal/bbl Mud Flush III  
3.5 lbm/bbl Mud Flush III

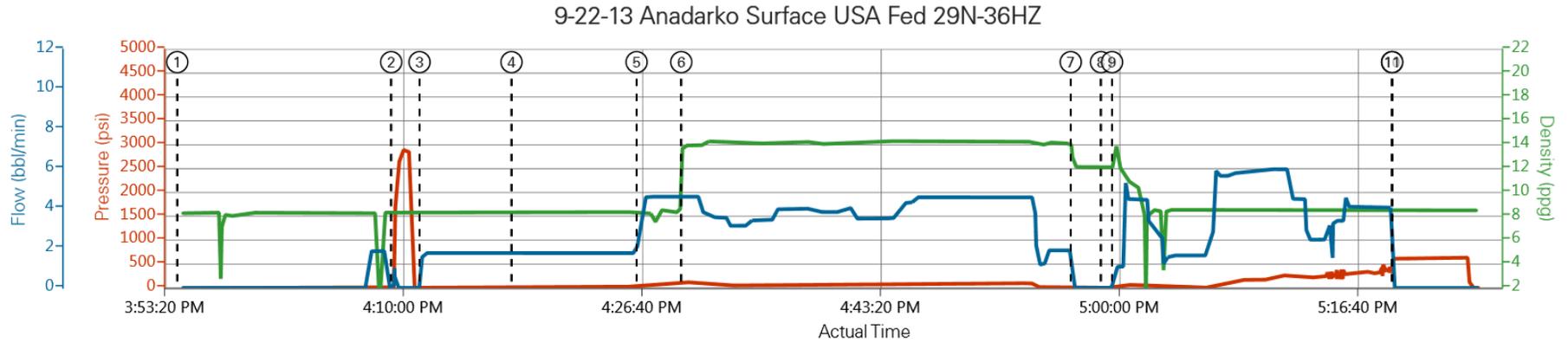
Fluid Density: 8.40 lbm/gal  
Fluid Volume: 12.00 bbl  
Pump Rate: 0.00 bbl/min

**Stage/Plug # 1 Fluid 3:** SwiftCem B2  
SWIFTCEM (TM) SYSTEM

Fluid Weight: 14.20 lbm/gal  
Slurry Yield: 1.55 ft<sup>3</sup>/sack  
Total Mixing Fluid: 7.68 Gal  
Surface Volume: 360.0 sacks  
Sacks: 360.0 sacks  
Calculated Fill: 900.00 ft  
Calculated Top of Fluid: 0.00 ft

# HALLIBURTON

## Data Acquisition



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

- ① Start Job            ⑥ Pump Cement            ⑪ End Job
- ② Test Lines            ⑦ Shutdown
- ③ Pump Spacer 1        ⑧ Drop Top Plug
- ④ Pump Spacer 2        ⑨ Pump Displacement
- ⑤ Pump spacer 1        ⑩ Bump Plug

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Created: 2013-09-22 15:51:06 , Version: 1.4.96

Edit

Customer: ANADARKO PETROLEUM CORP - EBUS

Job Date: 9/22/2013 3:54:19 PM

Well: 29N-36HZ

Representative: M. Bulinski

Sales Order #: 900763342

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
09/22/2013 11:45		Arrive at Location from Service Center					Arrived 1.25hrs early.. Rig is Tripping out DP.. Finished Running Csg at 14:35, Put Head & Manifold on for rig to circulate through while Casing Crew rigs down, and HES Rigs up
09/22/2013 12:00		Assessment Of Location Safety Meeting					Hazard Hunt on Location before spotting in trucks
09/22/2013 15:00		Safety Meeting - Pre Rig-Up					JSA on rigging up trucks and iron to rig
09/22/2013 15:40		Rig-Up Equipment					
09/22/2013 16:00		Rig-Up Completed					
09/22/2013 16:05		Safety Meeting - Pre Job					JSA with company man, rig hands, and HES hands on pump schedule
09/22/2013 16:16		Start Job					
09/22/2013 16:17		Test Lines					3000psi Pressure Test lines to rig floor
09/22/2013 16:18		Pump Spacer 1	2	10		45.0	10bbls H2O spacer
09/22/2013 16:25		Pump Spacer 2	2.5	12		45.0	12bbls Mudflush spacer
09/22/2013 16:32		Pump Spacer 1	5	10		50.0	10bbls H2O spacer
09/22/2013 16:36		Pump Cement	5	99.3		130.0	360sks Swiftcem, 14.2ppg, 1.55yield, 7.68gal/sk, Mixed with rig water and # verify by pressurized mud scales
09/22/2013 17:03		Shutdown					
09/22/2013 17:06		Drop Top Plug					Pre-Loaded
09/22/2013 17:07		Pump Displacement	5	68.5		230.0	H2O displacement, Good returns throughout.. 12bbls Cmt back to surface
09/22/2013 17:25		Bump Plug	3			607.0	slowed down last 20bbls to 3bbl/min to bump.. Plug landed at 343psi and brought to 607psi
09/22/2013 17:31		Check Floats					Floats held
09/22/2013 17:32		End Job					
09/22/2013 17:33		Safety Meeting - Pre Rig-Down					JSA on rigging down bulk trucks and iron from rig
09/22/2013 17:35		Rig-Down Equipment					
09/22/2013 18:15		Rig-Down Completed					
09/22/2013 18:30		Safety Meeting - Departing Location					JSA on 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> 3106851	<b>Quote #:</b>	<b>Sales Order #:</b> 900763342
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS		<b>Customer Rep:</b> Bell, Duaine	
<b>Well Name:</b> USA Fed		<b>Well #:</b> 29N-36HZ	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> PLATTEVILLE	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> Xtreme		<b>Rig/Platform Name/Num:</b> Xtreme 8	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> FLING, MATTHEW		<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	CARPENTER, JACOB P	0.0	499500	VIATOR, JASON R.	0.0	550394

**Equipment**

HES Unit #	Distance-1 way						
11338223	15 mile	11542778	15 mile	11605598	15 mile	11764052	15 mile

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>								
<i>Total is the sum of each column separately</i>								

**Job**

**Job Times**

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Form Type</b>			BHST	<b>On Location</b>	22 - Sep - 2013	08:30	MST
<b>Job depth MD</b>	940. ft		<b>Job Depth TVD</b>	940. ft	22 - Sep - 2013	11:45	MST
<b>Water Depth</b>			<b>Wk Ht Above Floor</b>		22 - Sep - 2013	16:16	MST
<b>Perforation Depth (MD)</b>	<i>From</i>		<i>To</i>	<b>Departed Loc</b>	22 - Sep - 2013	17:32	MST
						18:30	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				.	940.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	940.		

**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	30	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	30	MI		
KIT,HALL WELD-A	1	EA		
CNTRLZR, 9 5/8x13 3/4,#500-0963-1375	6	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		
Description	Qty	Qty uom	Depth	Supplier

BASKET - CEMENT - 9-5/8 CSG X 12-1/4						1	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	.0	.0	.0	
2	Mud Flush		12.00	bbl	8.4	.0	.0	.0	
42 gal/bbl		MUD FLUSH III - SBM (528788)							
3.5 lbm/bbl		MUD FLUSH III, 40 LB SACK (101633304)							
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	360.0	sacks	14.2	1.55	7.68		7.68
7.68 Gal		FRESH WATER							
Calculated Values			Pressures			Volumes			
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating			Mixing			Displacement		Avg. Job	
Cement Left In Pipe		Amount	42 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					

