HALLIBURTON

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

Butterball 29C-15HZ

Majors 42

Post Job Summary
Cement Surface Casing

Prepared for:
Date Prepared: 9/29/2013
Version: 1

Service Supervisor: BARRAS, JOSEPH

Submitted by: FINNEY, SEAN

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Wellbore Geometry

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	1,024.00	42.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,024.00	0.00

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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	4.00	20.0 bbl	20.0 bbl
1	2	Spacer	Mud Flush	8.40	4.00	12.0 bbl	12.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	4.00	387.0 sacks	387.0 sacks

Fluids Pumped

Stage/Plug # 1 **Fluid 1:** Fresh Water Spacer

DUMMY MUD / FLUSH / SPACER SBC MATERIAL

Fluid Density:	8.33 lbm/gal
Pump Rate:	4.00 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:	4.00 bbl/min

Stage/Plug # 1 **Fluid 3:** SwiftCem B2

SWIFTCEM (TM) SYSTEM

Fluid Weight:	14.20 lbm/gal
Slurry Yield:	1.55 ft3/sack
Total Mixing Fluid:	7.68 Gal
Surface Volume:	387.0 sacks
Sacks:	387.0 sacks
Calculated Fill:	900.00 ft
Calculated Top of Fluid:	0.00 ft

Data Acquisition

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
09/21/2013 14:50		Start Job							
09/21/2013 14:50		Test Lines	1.5						test lines to 2000 psi noi visible leaks
09/21/2013 14:50		Pump Spacer 1	4	10				24.0	rig water
09/21/2013 14:50		Pump Spacer 2	4	12				38.0	rig water with mud flush
09/21/2013 14:50		Pump Spacer 1	4	10				45.0	rig water
09/21/2013 14:50		Pump Cement	4	106.8				115.0	mixed with rig water @ 14.2 ppg /387 sks of swiftcem
09/21/2013 14:50		Shutdown							
09/21/2013 14:50		Drop Top Plug							loaded in casing no plug container in yard/ pumped with quick-latch swedge
09/21/2013 14:50		Pump Displacement	4	75.2				298.0	rig water with mud flush back to surface @ 45 bbl away no cement to surface /doing top out.
09/21/2013 15:02		Bump Plug	2					880.0	
09/21/2013 15:02		Check Floats							floats held with one bbl back
09/21/2013 16:02		Arrive at Location from Service Center							rig still running casing
09/21/2013 16:29		End Job							waiting on more cement to do a top out
09/21/2013 16:29		Start Job							top out job
09/21/2013 16:29		Pump Cement	0.5						mixed with rig water @ 15.8 ppg of neat cement
09/21/2013 16:29		End Job							
09/21/2013 16:29		Safety Meeting - Pre Rig-Down							
09/21/2013 16:35		Rig-Up Equipment							rigging up HES trucks
09/21/2013 17:45		Rig-Up Completed							
09/21/2013 18:10		Casing on Bottom							
09/21/2013 18:45		Safety Meeting - Pre Job							with HES and rig crew
09/21/2013 21:13		Rig-Down Equipment							
09/21/2013 21:13		Rig-Down Completed							
09/21/2013 21:13		Return to Service Center from Job							

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466	**Ship To #:** 3106935	**Quote #:**	**Sales Order #:** 900762935
Customer: ANADARKO PETROLEUM CORP - EBUS		**Customer Rep:** Balkenbush, Bob	
Well Name: Butterball	**Well #:** 29C-15HZ		**API/UWI #:**
Field:	**City (SAP):** FIRESTONE	**County/Parish:** Weld	**State:** Colorado
Contractor: Majors	**Rig/Platform Name/Num:** Majors 42		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: FLING, MATTHEW	**Srvc Supervisor:** BARRAS, JOSEPH	**MBU ID Emp #:** 405168	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	0.0	372277	BARRAS, JOSEPH Corey	0.0	405168	LANGE, TIMOTHY Paul	0.0	520811

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
10824253C	14 mile	11562570C	14 mile	5707C	14 mile		

Job Hours

Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours
TOTAL		*Total is the sum of each column separately*						

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	1024. ft	**Job Depth TVD**	1024. ft		
Water Depth		**Wk Ht Above Floor**	4. ft		
Perforation Depth (MD)	*From*		**To**		

Job Times

	Date	Time	Time Zone
Called Out	21 - Sep - 2013	13:00	MST
On Location	21 - Sep - 2013	00:00	MST
Job Started	21 - Sep - 2013	00:00	MST
Job Completed	21 - Sep - 2013	00:00	MST
Departed Loc			

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				.	1024.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1024.		

Sales/Rental/3rd 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**

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Cementing Job Summary

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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer			bbl	8.33	.0	.0	4.0	
2	Mud Flush		12.00	bbl	8.4	.0	.0	4.0	
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)	387.0	sacks	14.2	1.55	7.68	4.0	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***