

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

Scott 28C-32 HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 3/11/2014
Version: 1

Service Supervisor: MCBRIDE, NATHAN

Submitted by: PRUDHOMME, JOSHUA

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	Mud Flush	8.50	5.0	12.0 bbl	12.0 bbl
1	2	Spacer	Fresh Water Spacer	8.33	5.0	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.2	5.0	384.0 sacks	384.0 sacks

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
02/20/2014 18:50		Casing on Bottom					
02/20/2014 18:55		Circulate Well					
02/20/2014 19:00		Arrive at Location from Service Center					Requested on location was 1900
02/20/2014 19:05		Assessment Of Location Safety Meeting					Hazard Hunt and Discuss 3rd party activities
02/20/2014 19:10		Pre-Rig Up Safety Meeting					Review JSA and Discuss Rig up layout
02/20/2014 20:00		Rig-Up Equipment					Containment not on location called in and looked for containment. HES didn't contact for movement to new pad.
02/20/2014 20:25		Rig-Up Completed					
02/20/2014 20:35		Pre-Job Safety Meeting					With Customer and 3rd Parties involved
02/20/2014 20:57		Start Job					
02/20/2014 20:57		Pump Water	2	2		80.0	Fill Lines
02/20/2014 21:00		Test Lines				2150.0	
02/20/2014 21:02		Pump Spacer	5	12		120.0	Mud Flush
02/20/2014 21:05		Pump Water	5	10		145.0	Fresh Water
02/20/2014 21:07		Pump Cement	5	105.3		220.0	386sks @ 14.2ppg, 1.54yield, 7.66gal/sk
02/20/2014 21:30		Shutdown					
02/20/2014 21:31		Drop Top Plug					
02/20/2014 21:32		Pump Displacement	5	74.6		210.0	Fresh Water
02/20/2014 21:45		Spacer Returns to Surface					40 bbls displaced
02/20/2014 21:54		Cement Returns to Surface					62bbls Displaced 12 bbls to Pit
02/20/2014 22:01		Bump Plug				592.0	
02/20/2014 22:06		Check Floats					Floats Good
02/20/2014 22:07		End Job					Thanks McBride and Crew

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3205297		Quote #:		Sales Order #: 901135688		
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: 29, Majors				
Well Name: Scott			Well #: 28C-32 HZ		API/UWI #: 05-123-38431			
Field:		City (SAP): FIRESTONE		County/Parish: Weld		State: Colorado		
Contractor: Majors			Rig/Platform Name/Num: Majors 29					
Job Purpose: Cement Surface Casing								
Well Type: Development Well				Job Type: Cement Surface Casing				
Sales Person: FLING, MATTHEW			Srvc Supervisor: MCBRIDE, NATHAN		MBU ID Emp #: 313810			
Job Personnel								
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ALVARADO, JOSE Angel	4.0	505918	MCBRIDE, NATHAN Charles	4.0	313810	TORREY, SPENCER Kenneth	4.0	549837
Job				Job Times				
Formation Name				Date				
Formation Depth (MD)		Top		Bottom		Time		Time Zone
Formation Depth (MD)		Top		Bottom		Called Out		Time Zone
Form Type		BHST		Job Depth TVD		On Location		Time Zone
Form Type		BHST		Job Depth TVD		On Location		Time Zone
Job depth MD		1232. ft		Job Depth TVD		1232. ft		Job Started
Job depth MD		1232. ft		Job Depth TVD		1232. ft		Job Started
Water Depth		Wk Ht Above Floor		5. ft		Job Completed		Time Zone
Water Depth		Wk Ht Above Floor		5. ft		Job Completed		Time Zone
Perforation Depth (MD)		From		To		Departed Loc		Time Zone
Perforation Depth (MD)		From		To		Departed Loc		Time Zone

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		10.0	bbl	8.5			5.0	
1	Fresh Water Spacer		12.0	bbl	8.33			5.0	
2	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	384	sacks	14.2	1.54	7.66	5.0	7.66
7.66 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	12.0	Actual Displacement	74.6	Treatment	
Frac Gradient		15 Min		Spacers	22.0	Load and Breakdown		Total Job	
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					

