

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

NRC 29N-8HZ

Majors 42

Post Job Summary **Cement Surface Casing**

Date Prepared: 3/23/2014
Version: 1

Service Supervisor: BARRAS, JOSEPH

Submitted by: TRIER, DEREK

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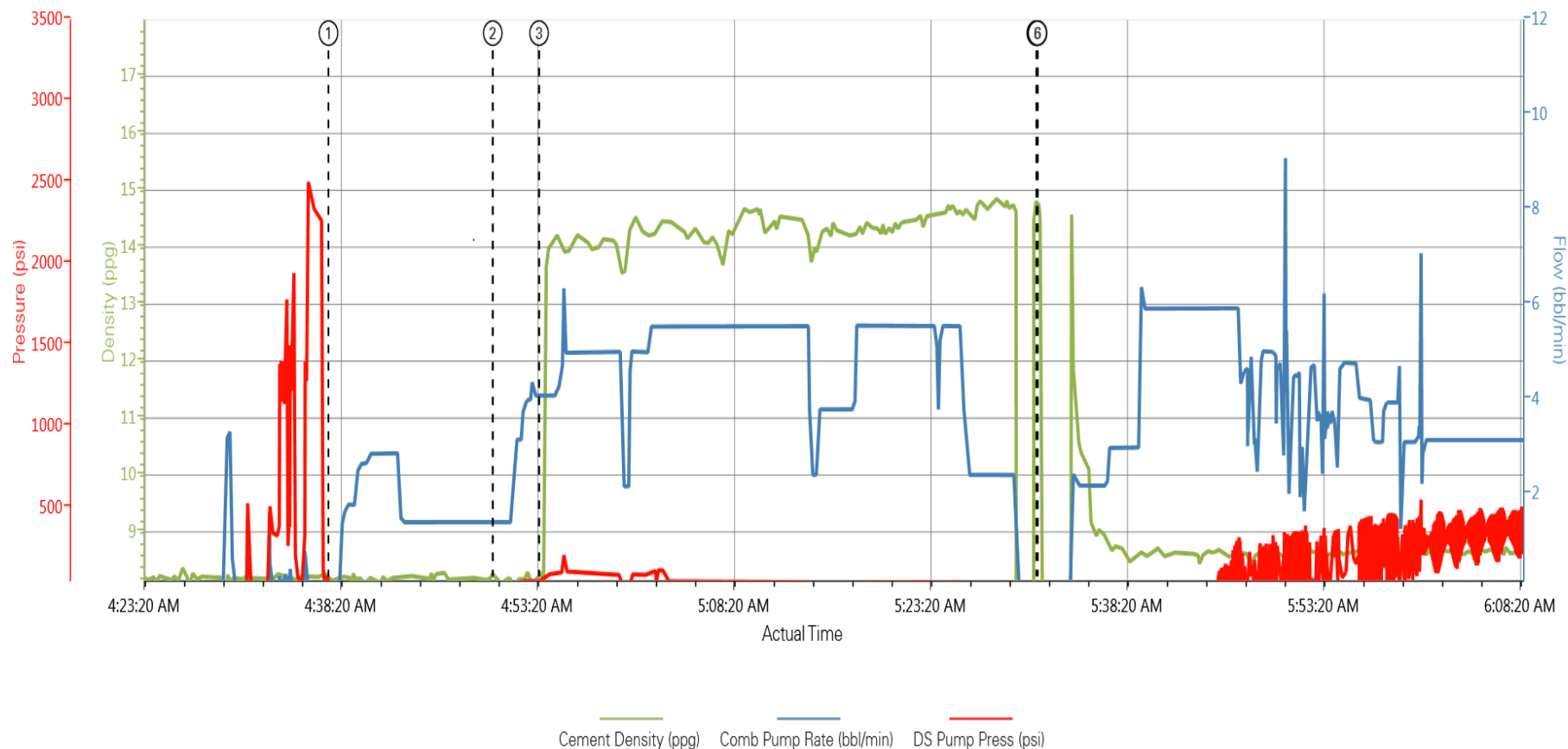
Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water	8.33	4.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.50	4.00	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water	8.33	4.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	445.0 sacks	445.0 sacks

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Data Acquisition

ANADARKO NRC 29H-8HZ SURFACE



- ① Stop Additive 8.16;0;-3.93
- ② Pump Spacer 18.24;1.43;17.67
- ③ Pump Cement 8.21;4.06;42.21
- ④ Shutdown 14.73;0;-8.84
- ⑤ Drop Top Plug 14.4;0;-8.84
- ⑥ End Job 8.71;0;-21.6
- ⑦ Bump Plug 8.64;0;1189.87
- ⑧ Bump Plug 12.95;0;-8.84

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
03/07/2014 02:30		Arrive at Location from Service Center							
03/07/2014 02:40		Rig-Up Equipment							
03/07/2014 03:15		Rig-Up Completed							
03/07/2014 04:00		Safety Meeting - Pre Job							with HES and rig crew
03/07/2014 04:37		Start Job							
03/07/2014 04:40		Test Lines							test lines to 2000 psi no visible leaks
03/07/2014 04:42		Pump Spacer 1	4	10				46.0	rig water
03/07/2014 04:45		Pump Spacer 2	4	12				53.0	rid water with mud flush
03/07/2014 04:50		Pump Spacer 1	4	10				58.0	rig water
03/07/2014 04:53		Pump Tail Cement	5	122				110.0	mixed with rig water @ 14.2 ppg /445 sks of swiftcem /1.54 yield /7.66 gal/sk
03/07/2014 05:31		Shutdown							
03/07/2014 05:31		Drop Top Plug							preloaded and witnessed by company man
03/07/2014 05:32		Pump Displacement	5	92				468.0	rig water
03/07/2014 06:12		Bump Plug	2					1202.0	rig water with cement to surface @ 80 bbl into displacing
03/07/2014 06:15		Check Floats							HELD WITH 2 BBL BACK
03/07/2014 06:18		End Job							
03/07/2014 06:20		Rig-Down Equipment							
03/07/2014 07:30		Return to Service Center from Job							

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3354673		Quote #:		Sales Order #: 901170099	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: Porter, Bob			
Well Name: NRC			Well #: 29N-8HZ		API/UWI #: 05-123-38951		
Field: WATTENBERG		City (SAP): IONE		County/Parish: Weld		State: Colorado	
Lat: N 40.059 deg. OR N 40 deg. 3 min. 34.002 secs.				Long: W 104.916 deg. OR W -105 deg. 5 min. 2.666 secs.			
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 #
ALVARADO, JOSE Angel	0.0	505918	BARRAS, JOSEPH Corey	0.0	405168	LEONE, BRIAN C	0.0	561735
STIELER, KENT	0.0	554541						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248062C	13 mile	10824253C	13 mile	10977079C	13 mile	11764739	13 mile

Job**Job Times**

Formation Name						Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom			Called Out		
Form Type		BHST				On Location		
Job depth MD	1226. ft	Job Depth TVD	1226. ft			Job Started	07 - Mar - 2014 04:37	MST
Water Depth		Wk Ht Above Floor	5. ft			Job Completed	07 - Mar - 2014 06:18	MST
Perforation Depth (MD)	From		To			Departed Loc	07 - Mar - 2014 07:30	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
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Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SUGAR, GRANULATED, IMPERIAL	50	LB		

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
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1	Fresh Water		10.00	Bbl	8.33			4.0	
2	Mud Flush		12.00	bbl	8.4			4.0	
3.33 lbm/bbl		MUD FLUSH III, 40 LB SACK (101633304)							
0 gal/bbl		FRESH WATER							
1	Fresh Water		10.00	Bbl	8.33			4.0	
3	SwiftCem B2	SWIFTCM (TM) SYSTEM (452990)	445.0	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 92.0		Treatment	
Frac Gradient		15 Min		Spacers 32.0		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement 5.0		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					

