

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

Badding 16C-35HZ

Majors 29

Post Job Summary **Cement Surface Casing**

Date Prepared: 4/21/2014
Version: 1

Service Supervisor: BIRCHELL, DEVIN

Submitted by: TRIER, DEREK

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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	1,318.00	43.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,318.00	0.00

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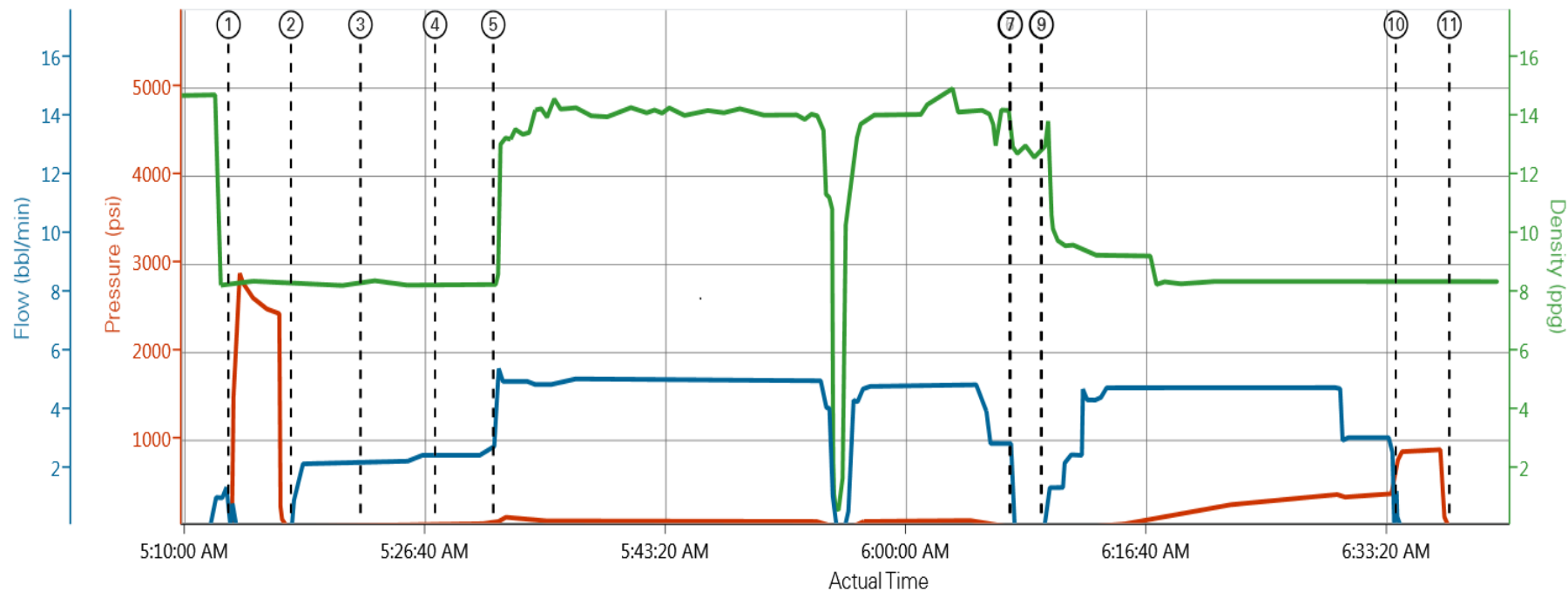
Pumping Schedule

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	2.30	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	2.30	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	2.50	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	493.0 sacks	493.0 sacks

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Data Acquisition

Anadarko Badding 16C-35HZ



Truck 1 Pr (psi) Truck 1 Dens (ppg) Truck 1 Slry Rt (bbl/min)

- | | | | |
|-----------------------------|--------------------------------|----------------------------------|-----------------------|
| ① Test Lines 862;8.27;1 | ④ Pump Spacer 1 50;8.31;2.5 | ⑦ Clean Lines 6;12.78;0 | ⑩ Bump Plug 852;8.4;0 |
| ② Pump Spacer 1 5;8.28;1.3 | ⑤ Pump Lead Cement 62;8.27;2.8 | ⑧ Drop Top Plug -1;13;0 | ⑪ End Job 6;8.34;0 |
| ③ Pump Spacer 2 40;8.34;2.3 | ⑥ Shutdown 9;12.81;0 | ⑨ Pump Displacement -1;13.08;0.2 | |

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
11/15/2013 23:00		Call Out					Called Out Cement Crew For Anadarko Badding 16C-35HZ Surface
11/16/2013 01:20		Pre-Convoy Safety Meeting					Discussed Hazards On Route To Location, Weather, Other Traffic, Route
11/16/2013 01:30		Depart from Service Center or Other Site					
11/16/2013 02:00		Arrive At Loc					Arrived To Location Talked With Company Rep On Volumes, Rates, Depths
11/16/2013 02:10		Pre-Rig Up Safety Meeting					Discussed Hazards With Cement Crew For Rigging Up Iron and Water Hoses
11/16/2013 02:20		Rig-Up Equipment					
11/16/2013 04:38		Pre-Job Safety Meeting					Discussed Job Procedures With Cement and Rig Crews
11/16/2013 05:08		Rig-Up Completed					Finished Rigging Up To The Floor And Well Head
11/16/2013 05:12		Prime Pumps					Primed Pumps and Lines For Pressure Test
11/16/2013 05:13		Pressure Test				2506.0	Test Pump and Lines to 2506 psi
11/16/2013 05:16		Pump Spacer	2.3	10		38.0	Pumped 10 bbls Fresh Water Spacer
11/16/2013 05:22		Pump Spacer 1	2.3	12		40.0	Pumped 12 bbls Mud Flush III Spacer
11/16/2013 05:27		Pump Spacer 2	2.5	10		50.0	Pumped 10 bbls Fresh Water Spacer
11/16/2013 05:32		Pump Cement	5	134		130.0	Pumped 134 bbls (493sks) 14.2 ppg Slurry, Yield 1.53 ft3/sk Water 7.63 gal/sk
11/16/2013 06:09		Drop Plug					Dropped Plug With Driller Witnessing
11/16/2013 06:10		Pump Displacement	5				Pumped 99 bbls Fresh Water Displacement
11/16/2013 06:10		Clean Lines	5				Washed Pump and Lines on Plug
11/16/2013 06:17		Spacer Returns to Surface	5	23		120.0	10 bbls Fresh Water, 12 bbls Mud Flush III, 10 bbls Water
11/16/2013 06:21		Cement Returns to Surface	5	55		256.0	44bbls Cement Returns To Surface
11/16/2013 06:29		Slow Rate	3	89		344.0	Slowed Rate To Bump Plug
11/16/2013 06:34		Bump Plug	3	99		365.0	Bumped Plug With 365 psi Took Pressure to 868 psi
11/16/2013 06:37		Check Floats				868.0	Checked Floats, Floats Held With .5 bbls Back To Truck
11/16/2013 06:40		Job Complete					
11/16/2013 06:45		Post-Job Safety Meeting (Pre Rig-Down)					Discussed Hazards With Crew For Rigging Down Iron and Water Hoses
11/16/2013 06:50		Rig-Down Equipment					
11/16/2013 07:30		Rig-Down Completed					
11/16/2013 07:35		Pre-Convoy Safety Meeting					Discussed Hazards On Route To Service Center, Weather, Other Traffic, Route
11/16/2013 07:40		Depart Location for Service Center or Other Site					Thank You For Using Halliburton Energy Services

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3198511	Quote #:	Sales Order #: 900889722
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Case, Randy	
Well Name: Badding		Well #: 16C-35HZ	API/UWI #: 05-123-38337
Field: WATTENBERG	City (SAP): FORT LUPTON	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: PLIENESS, RYAN		Srvc Supervisor: BIRCHELL, DEVIN	MBU ID Emp #: 466993

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BIRCHELL, DEVIN Ray	0.0	466993	MILLER, GEOFFREY Alan	0.0	460232	SAUCEDA, JIMMY	0.0	477592
VIATOR, JASON R.	0.0	550394						

Job

Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom			Called Out	15 - Nov - 2013	23:00 MST
Form Type	BHST				On Location	16 - Nov - 2013	02:00 MST
Job depth MD	1318. ft	Job Depth TVD	1308. ft		Job Started	16 - Nov - 2013	05:13 MST
Water Depth		Wk Ht Above Floor	5. ft		Job Completed	16 - Nov - 2013	06:40 MST
Perforation Depth (MD)	From	To			Departed Loc	16 - Nov - 2013	07:40 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				.	1318.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1318.		

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	8.33			2.5	
2	Mud Flush		10.0	bbl	8.4			2.3	
3.5 lbm/bbl		MUD FLUSH III, 40 LB SACK (101633304)							
42 gal/bbl		MUD FLUSH III - SBM (528788)							
1	Fresh Water Spacer		10.0	bbl	8.33			2.5	
3	SwiftCem B2	SWIFTCem (TM) SYSTEM (452990)	493.0	sacks	14.2	1.53	7.63	5.0	7.63
7.63 Gal		FRESH WATER							

Calculated Values

Pressures

Volumes

Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	44	Actual Displacement	99	Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	

Rates											
Circulating		Mixing		Displacement	5.0	Avg. Job					
Cement Left In Pipe	Amount	43 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							

