

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

Badding 36C-35HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 12/23/2013
Version: 1

Service Supervisor: PICKELL, CHRISTOPHER

Submitted by: TRIER, DEREK

HALLIBURTON

HALLIBURTON

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	1,319.00	42.70
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,329.00	0.00

HALLIBURTON

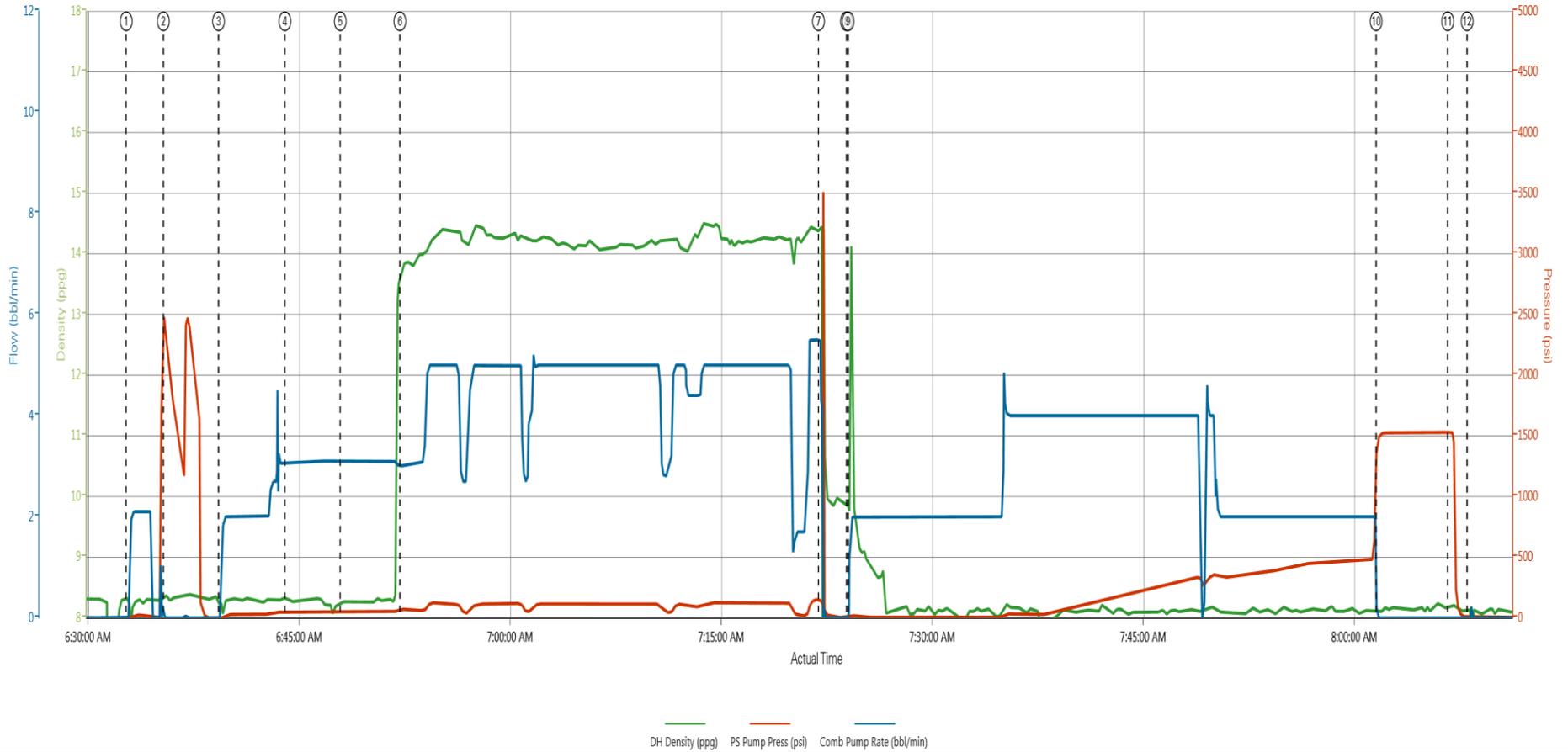
Pumping Schedule

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	2.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	3.00	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	3.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	498.0 sacks	498.0 sacks

HALLIBURTON

Data Acquisition

BADDING 36C-35HZ (9 5/8" SURFACE)



- ① Start Job 8:27;-7,0 ④ Pump Mudflush 8:32;46;3,1 ⑦ Shutdown 14:44;150;5,5 ⑩ Bump Plug 8:13;1472;0
- ② Test Lines 8:4;2415;0 ⑤ Pump Water 8:29;49;3,1 ⑧ Drop Top Plug 9:05;3,0 ⑫ Check Floats 8:18;1529;0
- ③ Pump Water 8:21;-3;0 ⑥ Pump Switcem 14:2# 13.72;71;3 ⑨ Pump Displacement 10:78;9;1,4 ⑬ End Job 8:11;5,0

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
12/01/2013 23:00		Call Out					CREW CALLED OUT AT 2300 TO BE ON LOCATION AT 0400. CREW WAS CHRIS PICKELL, WILLIAM JEWELL, SPENCER TORREY, BRANDON ALVAREZ
12/02/2013 03:00		Depart from Service Center or Other Site					SAFETY MEETING HELD FOR JOURNEY THEN LEFT THE YARD FOR MAJOR 29
12/02/2013 03:30		Arrive At Loc					ARRIVE AT LOCATION AT 0330. RIG HAD ONE JOINT OF CASING LEFT TO RUN. RIG ON BOTTOM WITH CASING AT 0430
12/02/2013 03:45		Rig-Up Equipment					HAZARD HUNT PERFORMED. WATER TEST DONE. RIG UP PLANNED AND EXECUTED
12/02/2013 06:00		Pre-Job Safety Meeting					SAFETY MEETING WITH ALL PERSONEL ON LOCATION TO DISCUSS JOB SAFETY AND PROCEDURE
12/02/2013 06:32		Start Job					QUICK LATCH PLUG CONTAINER USED ON JOB
12/02/2013 06:35		Test Lines	1	3		2500.0	PRESSURE TEST LINES TO 2500 PSI. CHECK FOR VISIBLE LEAKS AND PRESSURE LOSS
12/02/2013 06:39		Pump Spacer 1	2	10		26.0	PUMP WATER. RETURNS BEGAN WITH 1 BBL AWAY
12/02/2013 06:44		Pump Spacer 2	3	12		48.0	PUMP MUDDLUSH
12/02/2013 06:48		Pump Spacer 1	3	10		50.0	PUMP WATER
12/02/2013 06:52		Pump Cement	5	136.5		115.0	PUMP SWIFCEM CEMENT 498 SKS 14.2 PPG 1.54 CUFT/SK 7.66 GAL/SK
12/02/2013 07:22		Shutdown					WASH PUMPS AND LINES ON TOP OF THE PLUG
12/02/2013 07:24		Drop Top Plug					PLUG PRELOADED. WITNESSED BY COMPANY MAN
12/02/2013 07:24		Pump Displacement	4	99.3		450.0	PUMP DISPLACEMENT USING WATER
12/02/2013 08:01		Bump Plug	2			480.0	CALCULATED PRESSURE TO LAND WAS 388. PLUG LANDED WITH 480 PSI GOING 1000 PSI OVER TO 1450
12/02/2013 08:06		Check Floats				1529.0	PRESSURE WAS HELD FOR 5 MINUTES THEN RELEASED. FLOATS HELD. 1 BBL BACK TO THE TANKS
12/02/2013 08:08		End Job					6 BBL OF CEMENT TO SURFACE
12/02/2013 08:10		Pre-Rig Down Safety Meeting					SAFETY MEETING HELD TO DISCUSS RIG DOWN SAFETY AND PROCEDURE
12/02/2013 08:15		Rig-Down Equipment					WASH UP PUMP. BLOW DOWN LINES. RIG DOWN ALL EQUIPMENT
12/02/2013 09:00		Depart Location for Service Center or Other Site					LEAVE LOCATION FOR THE YARD

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3204389		Quote #:		Sales Order #: 900930044	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: Balkenbush, Bob			
Well Name: Badding			Well #: 36C-35HZ		API/UWI #: 05-123-38409		
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: GREGORY, JON			Srvc Supervisor: PICKELL, CHRISTOPHER			MBU ID Emp #: 396838	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ALVAREZ, BRANDON Paul	0.0	555850	JEWELL, WILLIAM Uris	0.0	503358	PICKELL, CHRISTOPHER Lee	0.0	396838
TORREY, SPENCER Kenneth	0.0	549837						

Equipment

HES Unit #	Distance-1 way						
10866493C	11 mile	11064046C	11 mile	11605597	11 mile	11645063	11 mile
11667703C	11 mile						

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	01 - Dec - 2013	23:00	MST
Form Type		BHST	Job Started	02 - Dec - 2013	03:30	MST
Job depth MD	1329. ft	Job Depth TVD	1329. ft	Job Completed	02 - Dec - 2013	06:32
Water Depth		Wk Ht Above Floor	5. ft		08:08	MST
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	02 - Dec - 2013	09:00	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				.	1329.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1319.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	20	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	20	MI		
KIT,HALL WELD-A	1	EA		
Description	Qty	Qty uom	Depth	Supplier
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	8	EA		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	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		

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		10.00	bbl	8.33			2.0	
2	Mud Flush		12.00	bbl	8.4			3.0	
3.5 lbm/bbl		MUD FLUSH III, 40 LB SACK (101633304)							
42 gal/bbl		MUD FLUSH III - SBM (528788)							
1	Fresh Water Spacer		10.00	bbl	8.33			3.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	498.0	sacks	14.2	1.54	7.66	5.0	7.66
7.66 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	99.3	Shut In: Instant		Lost Returns	0	Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	6.0	Actual Displacement	99.3	Treatment	
Frac Gradient		15 Min		Spacers	32.0	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42.7 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					

