

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

Badding 14N-2HZ

Majors 29

Post Job Summary **Cement Surface Casing**

Date Prepared: 11/17/2013
Version: 1

Service Supervisor: WHIPPLE, WESLEY

Submitted by: TRIER, DEREK

HALLIBURTON

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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	1,068.00	43.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,078.00	0.00

HALLIBURTON

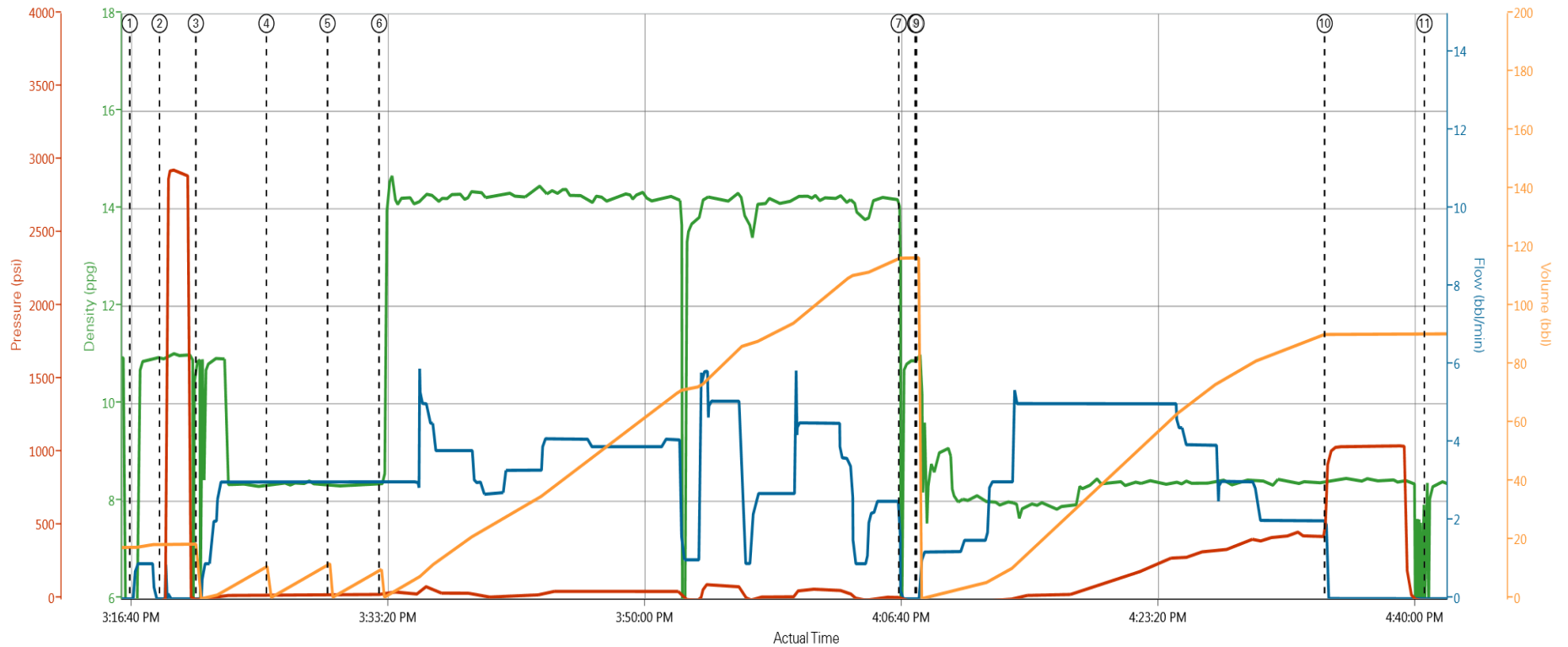
Pumping Schedule

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	3.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	3.00	12.0 bbl	12.0 bbl
1	3	Spacer	WATER SPACER	8.33	3.00	10.0 bbl	10.0 bbl
1	4	Cement Slurry	SwiftCem B2	14.20	5.0	441.0 sacks	441.0 sacks

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Data Acquisition

ANADARKO BADDING 14N-2HZ



DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi) Pump Stg Tot (bbl)

- ① Start Job 2.25;0;-41;17.5
- ② Test Lines 10.92;0;-6;18.6
- ③ Pump Spacer 1 10.86;0;-8;0
- ④ Pump Spacer 2 8.31;3;25;0.1
- ⑤ Pump Spacer 1 8.36;3;27;0.1
- ⑥ Pump Cement 8.36;3;30;0.1
- ⑦ Shutdown 0.58;0;0;116.6
- ⑧ Drop Top Plug 10.98;0;-16;116.6
- ⑨ Pump Displacement 10.99;0;-16;0
- ⑩ Bump Plug 8.43;0;898;90.6
- ⑪ End Job 8.38;0;-12;90.6

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
11/09/2013 09:00		Call Out					CREW CALLED OUT AT 0900
11/09/2013 11:35		Crew Leave Yard					PRE TRIPPED EQUIPMENT, HAD A PRE JOURNEY SAFETY MEETING AND DEPARTED TO LOCATION
11/09/2013 12:00		Arrive At Loc					CREW ARRIVED ON LOCATION @1200
11/09/2013 12:10		Rig-Up Equipment					SPOTTED PUMPING AND BULK EQUIPMENT AND COMMENCED RIG UP OF IRON
11/09/2013 13:30		Casing on Bottom					CASING ON BOTTOM AT 1330
11/09/2013 14:45		Safety Meeting					HELD A PRE JOB SAFETY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESS AND PROCEDURES
11/09/2013 15:16		Start Job					
11/09/2013 15:18		Test Lines					PRESSURE TESTED PUMPS AND LINES TO 3000PSI. FOUND NO VISIBLE LEAKS AND PRESSURE HELD GOOD
11/09/2013 15:21		Pump Spacer 1	3	10		25.0	PUMPED WATER SPACER FROM FRAC TANK
11/09/2013 15:25		Pump Spacer 2	3	12		25.0	MIXED MUDFLUSH WITH FRESH WATER FROM FRAC TANK
11/09/2013 15:29		Pump Spacer 1	3	10		30.0	PUMPED WATER SPACER FROM FRAC TANK
11/09/2013 15:32		Pump Cement	5	120.95		94.0	MIXED AND PUMPED 441 SKS OF SWIFCEM @14.2PPG WITH FRESH WATER FROM FRAC TANK
11/09/2013 16:06		Shutdown					
11/09/2013 16:07		Drop Top Plug					DROPPED TOP PLUG, WITNESSED BY COMPANY REP
11/09/2013 16:07		Pump Displacement	5	89.98		189.0	PUMPED FRESH WATER DISPLACEMENT FROM FRAC TANK
11/09/2013 16:34		Bump Plug				441.0	BUMPED PLUG AT 441 PSI AND TOOK TO 1046 PSI.
11/09/2013 16:38		Check Floats					RELEASED PRESSURE BACK TO PUMP TRUCK. RECIEVED .75 BBL BACK AND FLOATS HELD GOOD
11/09/2013 16:40		End Job					

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3196551	Quote #:	Sales Order #: 900879653
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Case, Randy	
Well Name: Badding		Well #: 14N-2HZ	API/UWI #: 05-123-38286
Field: WATTENBERG	City (SAP): FORT LUPTON	County/Parish: Weld	State: Colorado
Lat: N 40.094 deg. OR N 40 deg. 5 min. 37.781 secs.		Long: W 104.749 deg. OR W -105 deg. 15 min. 5.004 secs.	
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: WHIPPLE, WESLEY	MBU ID Emp #: 518611

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
NIELSON, BRANDON K	5.5	479703	ROBINSON, TROY	5.5	777772	SAUCEDA, JIMMY	5.5	777771
WHIPPLE, WESLEY Morgan	5.5	518611						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11106651	10 mile	11764054C	10 mile	11764737	10 mile	12010172	10 mile

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	1174. ft	1164. ft	4. ft					09 - Nov - 2013	09:00	MST
											On Location	09 - Nov - 2013	12:00	MST
											Job Started	09 - Nov - 2013	15:16	MST
											Job Completed	09 - Nov - 2013	16:40	MST
											Departed Loc	09 - Nov - 2013	17:30	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
13 1/2" Open Hole Section				13.5				.	1078.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1068.		

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		
Description	Qty	Qty uom	Depth	Supplier
KIT,HALL WELD-A	1	EA		
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	7	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		

Summit

Sunday, November 17, 2013 11:25:00

Version:

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			3.0	
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)							
3	WATER SPACER		10.00	bbl	8.33			3.0	
4	SwiftCem B2	SWIFTCM (TM) SYSTEM (452990)	441.0	sacks	14.2	1.53	7.63	5.0	7.63
7.63 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	90	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	90	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		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					

