

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

Brotemarkle 3N-13HZ

Majors 42

Post Job Summary **Cement Surface Casing**

Prepared for:
Date Prepared: 1/23/2014
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: FINNEY, SEAN

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	1,290.00	44.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,300.00	0.00

HALLIBURTON

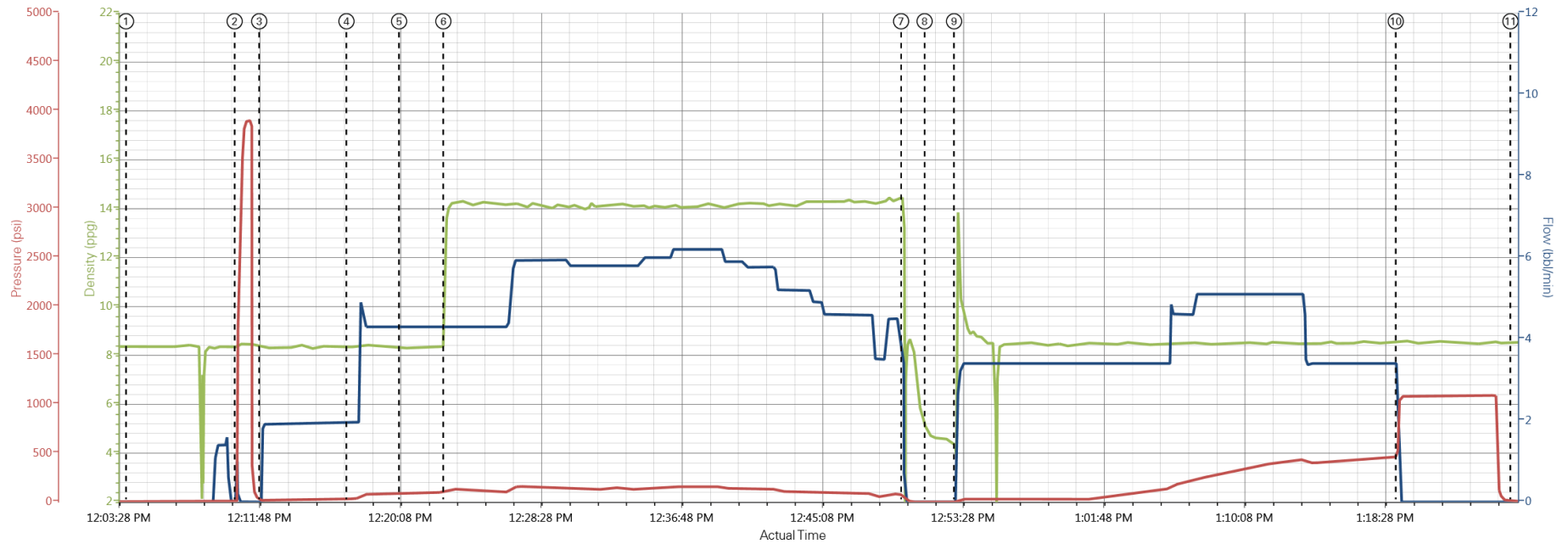
Pumping Schedule

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	2.50	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	5.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	484.0 sacks	484.0 sacks

HALLIBURTON

Data Acquisition

Anadarko Brotemarkle 3N-13HZ Surface 1-15-14



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

① Start Job 8.38;0.3 ④ Pump Spacer 2 8.36;2.31 ⑦ Shutdown 14.45;3.4;67 ⑩ Bump Plug 8.56;3.4;808
 ② Test Lines 8.37;1.1;13 ⑤ Pump Spacer 1 8.32;4.3;86 ⑧ Drop Top Plug 4.93;0;-1 ⑪ End Job 8.52;0.4
 ③ Pump Spacer 1 8.36;0.14 ⑥ Pump Cement 13.01;4.3;106 ⑨ Pump Displacement 9.12;1.9;2

▲ HALLIBURTON | iCem® Service

Created: 2014-01-15 09:39:33, Version: 3.0.121

Edit

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/15/2014 04:30		Call Out					
01/15/2014 07:30		Depart Yard Safety Meeting					JSA on job materials, pre-tripping trucks, and driving to location
01/15/2014 09:00		Arrive at Location from Service Center					Arrived 1.5hrs early and rig is pulling last DP about to run Csg.. Finished running Csg at 11:15
01/15/2014 09:02		Assessment Of Location Safety Meeting					Hazard Hunt on location before spotting in trucks
01/15/2014 09:05		Safety Meeting - Pre Rig-Up					JSA on rigging up bulk trucks and iron to rig
01/15/2014 09:10		Rig-Up Equipment					
01/15/2014 09:30		Rig-Up Completed					
01/15/2014 11:45		Safety Meeting - Pre Job					JSA with Company Man, Rig hands, and HES hands on pump schedule
01/15/2014 12:04		Start Job					
01/15/2014 12:10		Test Lines					4000psi Pressure Test Lines to rig floor
01/15/2014 12:11		Pump Spacer 1	2.5	10		30.0	10bbls H2O spacer
01/15/2014 12:17		Pump Spacer 2	3	12		89.0	12bbls Mud Flush Spacer
01/15/2014 12:20		Pump Spacer 1	5	10		130.0	10bbls H2O spacer
01/15/2014 12:22		Pump Cement	5	132.7		210.0	484sks Swiftcem, 14.2ppg, 1.54yield, 7.66gal/sk, Mixed with rig water and # verify 3x's by Pressurized mud scales
01/15/2014 12:49		Shutdown					
01/15/2014 12:51		Drop Top Plug					Pre-Loaded
01/15/2014 12:53		Pump Displacement	5	96.5		150.0	H2O displacement, Good returns throughout.. 30bbls Cmt to surface
01/15/2014 13:19		Bump Plug	3			460.0	Slowed down last 20bbls to 3bbl/min to bump.. Plug landed at 460psi and brought to 1120psi for 5mins
01/15/2014 13:25		Check Floats					Floats held
01/15/2014 13:26		End Job					
01/15/2014 13:30		Safety Meeting - Pre Rig-Down					JSA on rigging down bulk trucks and iron from rig
01/15/2014 13:40		Rig-Down Equipment					
01/15/2014 14:20		Rig-Down Completed					
01/15/2014 14:30		Safety Meeting - Departing Location					JSA on location walk around, pre-tripping trucks, and driving back to Brighton yard

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3117128	Quote #:	Sales Order #: 901042465
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Porter, Bob	
Well Name: Brotemarkle		Well #: 3N-13HZ	API/UWI #: 05-123-36395
Field: WATTENBERG	City (SAP): PLATTEVILLE	County/Parish: Weld	State: Colorado
Lat: N 40.219 deg. OR N 40 deg. 13 min. 7.882 secs.		Long: W 104.727 deg. OR W -105 deg. 16 min. 21.418 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: PLIENESS, RYAN		Srvc Supervisor: BULINSKI, MATTHEW	MBU ID Emp #: 483865

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BULINSKI, MATTHEW J	0.0	483865	CARPENTER, JACOB P	0.0	499500	MYRE, JAMES	0.0	549859
SCOTT, LUCAS James	0.0	549727	VIATOR, JASON R.	0.0	550394			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10972458	30 mile	11036298	30 mile	11526488	30 mile	11542778	30 mile
11605598	30 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job**Job Times**

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	15 - Jan - 2014	04:30 MST
Form Type		BHST			On Location	15 - Jan - 2014	09:00 MST
Job depth MD	1300. ft	Job Depth TVD	1300. ft		Job Started	15 - Jan - 2014	12:04 MST
Water Depth		Wk Ht Above Floor			Job Completed	15 - Jan - 2014	13:26 MST
Perforation Depth (MD)	From		To		Departed Loc	15 - Jan - 2014	14:30 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				.	1300.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1290.		

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		12.0	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		10.0	bbl	8.33			5.0	
3	SwiftCem B2	SWIFTCEN (TM) SYSTEM (452990)	484.0	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		30	Actual Displacement	96.5	Treatment
Frac Gradient		15 Min		Spacers		32	Load and Breakdown	Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe		Amount	44 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					

