

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

Brotemarkle 29N-13HZ

Majors 42

Post Job Summary **Cement Surface Casing**

Date Prepared: 1/20/2014
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: TRIER, DEREK

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	1,291.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,302.00	0.00

HALLIBURTON

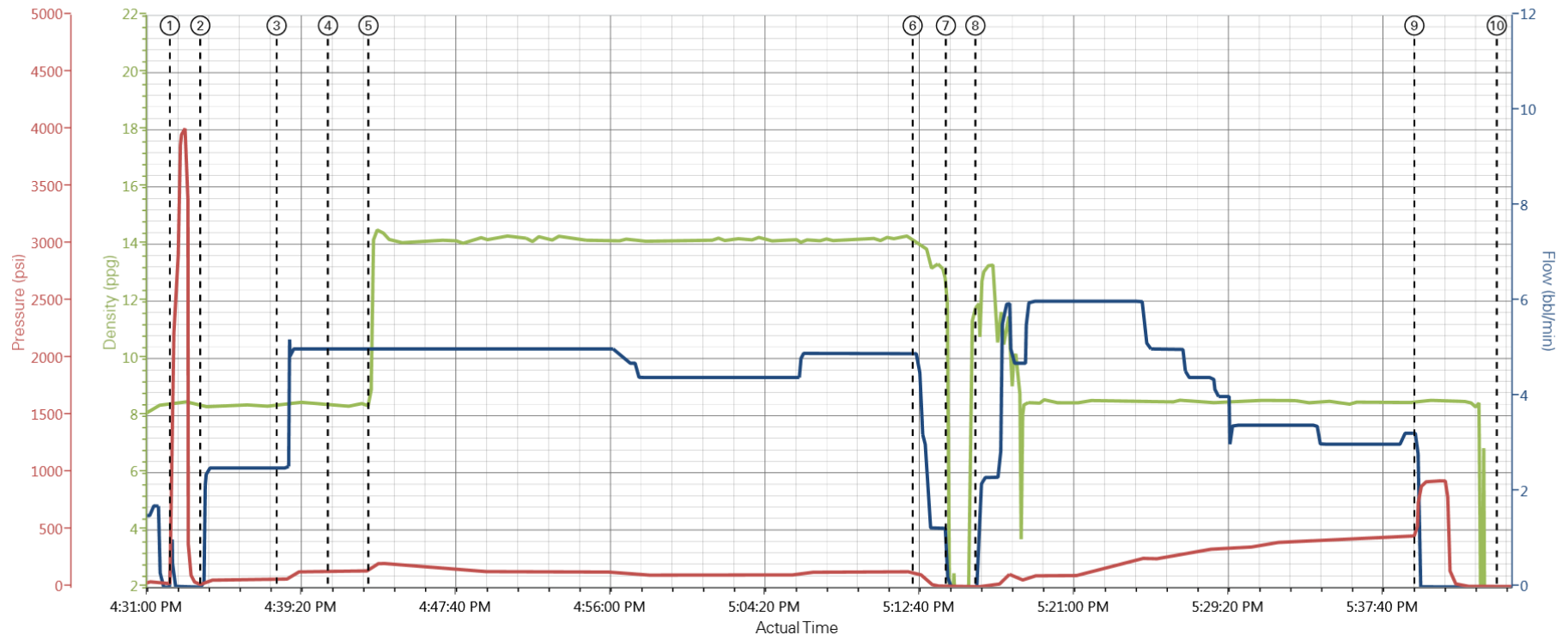
Pumping Schedule

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	5.00	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 29N-13HZ Surface 1-13-14



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

① Test Lines 8.42;0.1;1570 ④ Pump Spacer 18.4;5;138 ⑦ Drop Top Plug 1.74;0;5 ⑩ End Job 0.12;0;5
 ② Pump Spacer 18.32;0;20 ⑤ Pump Cement 11;5;151 ⑧ Pump Displacement 11.91;0.4;0
 ③ Pump Spacer 28.44;2.5;68 ⑥ Shutdown 14.12;4.9;129 ⑨ Bump Plug 8.5;3.2;629

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Edit

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/13/2014 12:00		Call Out					
01/13/2014 14:30		Depart Yard Safety Meeting					
01/13/2014 15:00		Arrive at Location from Service Center					Arrived
01/13/2014 15:05		Assessment Of Location Safety Meeting					Hazard Hunt on location before spotting in trucks
01/13/2014 15:10		Safety Meeting - Pre Rig-Up					JSA on rigging up bulk trucks and iron to rig
01/13/2014 15:20		Rig-Up Equipment					
01/13/2014 15:40		Rig-Up Completed					
01/13/2014 16:00		Safety Meeting - Pre Job					JSA with Company Man, Rig hands, and HES hands on pump schedule
01/13/2014 16:30		Start Job					
01/13/2014 16:32		Test Lines					4000psi Pressure Test Lines to rig floor
01/13/2014 16:34		Pump Spacer 1	2	10		40.0	10bbls H2O spacer
01/13/2014 16:38		Pump Spacer 2	5	12		60.0	12bbls Mud Flush spacer
01/13/2014 16:40		Pump Spacer 1	5	10		90.0	10bbls H2O spacer
01/13/2014 16:43		Pump Cement	5	132.7		120.0	484sks SwiftCem B2, 14.2ppg, 1.54yield, 7.66gal/sk, Mixed with rig water and # verify 3 x's by pressurized mud scales
01/13/2014 17:12		Shutdown					
01/13/2014 17:14		Drop Top Plug					Pre-Loaded
01/13/2014 17:15		Pump Displacement	5	96.5		300.0	H2O displacement.. Good returns throughout... 20bbls Cmt to Surface
01/13/2014 17:39		Bump Plug	3			440.0	Slowed down last 20bbls to 3bbl/min to bump... Plug landed at 440 and brought to 920psi for 2mins
01/13/2014 17:43		Check Floats					Floats Held
01/13/2014 17:50		Safety Meeting - Pre Rig-Down					JSA on rigging down bulk trucks and iron from rig
01/13/2014 17:55		Rig-Down Equipment					
01/13/2014 18:45		Rig-Down Completed					
01/13/2014 19:00		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 #: 3117161	Quote #:	Sales Order #: 901027912
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Porter, Bob	
Well Name: Brotemarkle		Well #: 29N-13HZ	API/UWI #: 05-123-36519
Field: WATTENBERG	City (SAP): PLATTEVILLE	County/Parish: Weld	State: Colorado
Lat: N 40.219 deg. OR N 40 deg. 13 min. 7.604 secs.		Long: W 104.73 deg. OR W -105 deg. 16 min. 13.181 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	Garcia, Gregg	0.0	456067
MYRE, JAMES	0.0	549859	SCOTT, LUCAS James	0.0	549727			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867419C	20 mile	11019275C	20 mile	11064535	20 mile	11542778	20 mile
11605598	20 mile						

Job

Job Times

Formation Name				Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom	Called Out	13 - Jan - 2014	12:00 MST
Form Type	BHST			On Location	13 - Jan - 2014	15:00 MST
Job depth MD	1302. ft			Job Started	13 - Jan - 2014	16:15 MST
Water Depth	Wk Ht Above Floor			Job Completed	13 - Jan - 2014	17:44 MST
Perforation Depth (MD)	From		To	Departed Loc	13 - Jan - 2014	19:00 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				.	1302.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1291.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	40	MI		
Description	Qty	Qty uom	Depth	Supplier
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	40	MI		
KIT,HALL WELD-A	1	EA		
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	6	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			5.0	
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			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	96.5	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	20	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	45 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					

