

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

KERBS 4C-14HZ

Majors 29

Post Job Summary **Cement Surface Casing**

Prepared for:
Date Prepared: 2/16/2014
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: FINNEY, SEAN

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	1,079.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,079.00	0.00

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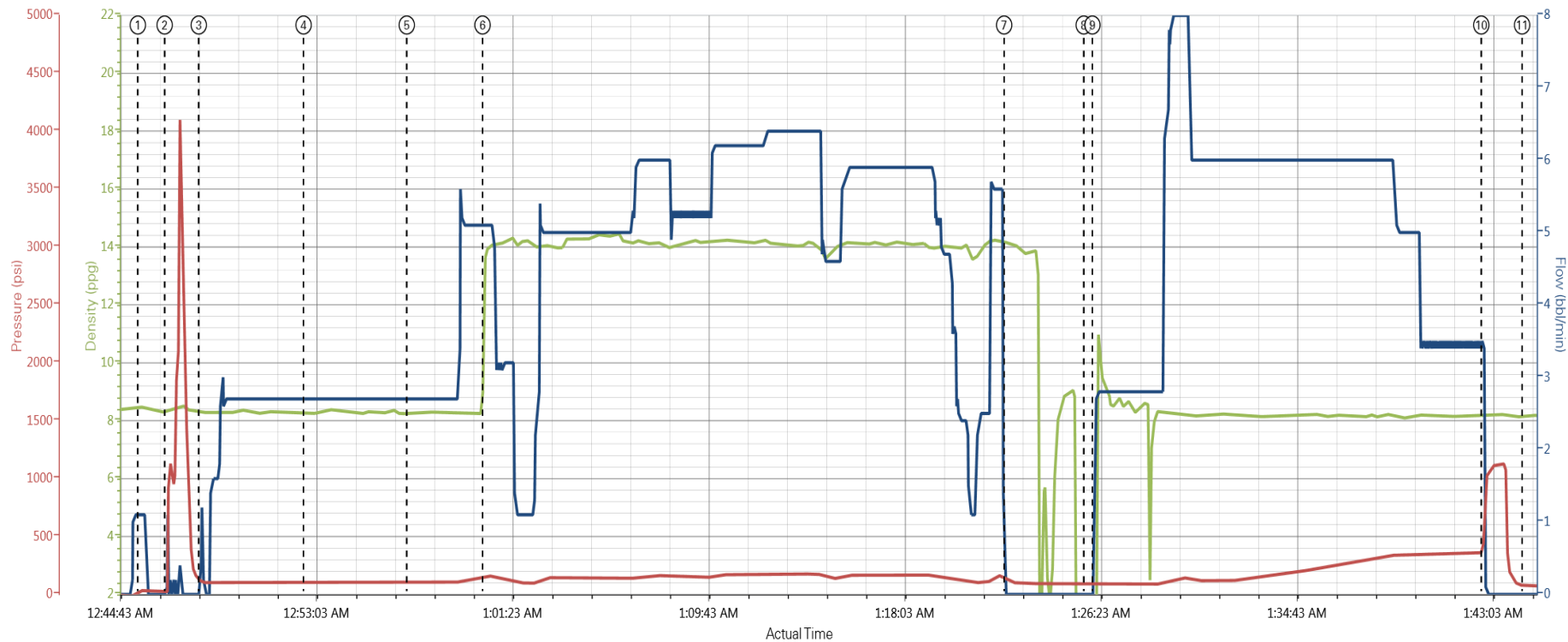
Pumping Schedule

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	2.80	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	2.80	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	6.00	423.0 sacks	423.0 sacks

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Data Acquisition

Anadarko Petroleum Corp. 2-2-14 Surface Kerbs 4C-14HZ



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

- ① Start Job 8:45;1.1;27 ④ Pump Spacer 2 8:29;2.7;108 ⑦ Shutdown 14:16;0;122 ⑩ Bump Plug 8:23;3.4;559
- ② Test Lines 8:31;1;23 ⑤ Pump Spacer 1 8:29;2.7;105 ⑧ Drop Plug -0:06;0;89 ⑪ End Job 8:18;0;75
- ③ Pump Spacer 1 8:29;1.1;110 ⑥ Pump Cement 13:57;5.1;141 ⑨ Pump Displacement -0:02;1.9;88

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
02/01/2014 17:00		Call Out					
02/01/2014 21:00		Depart Yard Safety Meeting					JSA on Job Materials, pre-tripping trucks, and driving to location
02/01/2014 22:40		Arrive at Location from Service Center					Arrived on time and rig is on schedule at bottom circulating 1hr
02/01/2014 22:41		Assessment Of Location Safety Meeting					Hazard Hunt on location before spotting in trucks
02/01/2014 22:45		Safety Meeting - Pre Rig-Up					JSA on rigging up bulk trucks and iron to rig
02/01/2014 23:00		Rig-Up Equipment					
02/01/2014 23:30		Rig-Up Completed					
02/02/2014 00:00		Safety Meeting - Pre Job					JSA with Company Man, rig hands, 3rd party, and HES on pump schedule
02/02/2014 00:45		Start Job					
02/02/2014 00:46		Test Lines					3500psi Pressure Test Lines
02/02/2014 00:48		Pump Spacer 1	2.8	10		107.0	10bbls H2O spacer
02/02/2014 00:52		Pump Spacer 2	2.8	12		105.0	12bbls Mud Flush spacer
02/02/2014 00:56		Pump Spacer 1	3	10		108.0	10bbls H2O spacer
02/02/2014 01:00		Pump Cement	6	116		139.0	423sks SwiftCem, 14.2ppg, 1.54yield, 7.66gal/sk, Mixed with rig water and # verify 3x's by pressurized mud scales
02/02/2014 01:22		Shutdown					
02/02/2014 01:25		Drop Top Plug					Pre-Loaded
02/02/2014 01:26		Pump Displacement	6	80		230.0	H2O displacement, Good returns throughout... 11bbls Cmt to surface
02/02/2014 01:42		Bump Plug	3			361.0	Slowed down last 20bbls to 3bbl/min to bump.. Plug landed at 361psi and brought to 1190psi for 1min
02/02/2014 01:43		Check Floats					Floats held
02/02/2014 01:44		End Job					
02/02/2014 01:45		Safety Meeting - Pre Rig-Down					JSA on rigging down bulk trucks and iron from rig
02/02/2014 01:55		Rig-Down Equipment					
02/02/2014 02:45		Rig-Down Completed					
02/02/2014 03:00		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 #: 3206918	Quote #:	Sales Order #: 901077453
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Case, Randy	
Well Name: KERBS		Well #: 4C-14HZ	API/UWI #: 05-123-38397
Field: WATTENBERG	City (SAP): MEAD	County/Parish: Weld	State: Colorado
Lat: N 40.231 deg. OR N 40 deg. 13 min. 52.244 secs.		Long: W 104.944 deg. OR W -105 deg. 3 min. 21.722 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: 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	Mills, Chuck	0.0	123456
SIMMONS, KEATON J	0.0	524850						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10679720C	20 mile	11106651	20 mile	11341988C	20 mile	11562544C	20 mile
11605598	20 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	01 - Feb - 2014	16:00 MST
Form Type		BHST			On Location	01 - Feb - 2014	22:40 MST
Job depth MD	1243. ft	Job Depth TVD	1079. ft		Job Started	02 - Feb - 2014	00:45 MST
Water Depth		Wk Ht Above Floor			Job Completed	02 - Feb - 2014	01:44 MST
Perforation Depth (MD)	From		To		Departed Loc	02 - Feb - 2014	00:00 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				.	1079.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1079.		

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			2.8	
2	Mud Flush		12.00	bbl	8.4			2.8	
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	SWIFTCEN (TM) SYSTEM (452990)	423.0	sacks	14.2	1.54	7.66	6.0	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		11		Actual Displacement 80	
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 # 4 @	
The Information Stated Herein Is Correct				Customer Representative Signature					

