

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

KERBS 5N-14HZ

Majors 29

Post Job Summary **Cement Surface Casing**

Prepared for:
Date Prepared: 2/17/2014
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	1,058.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,068.00	0.00

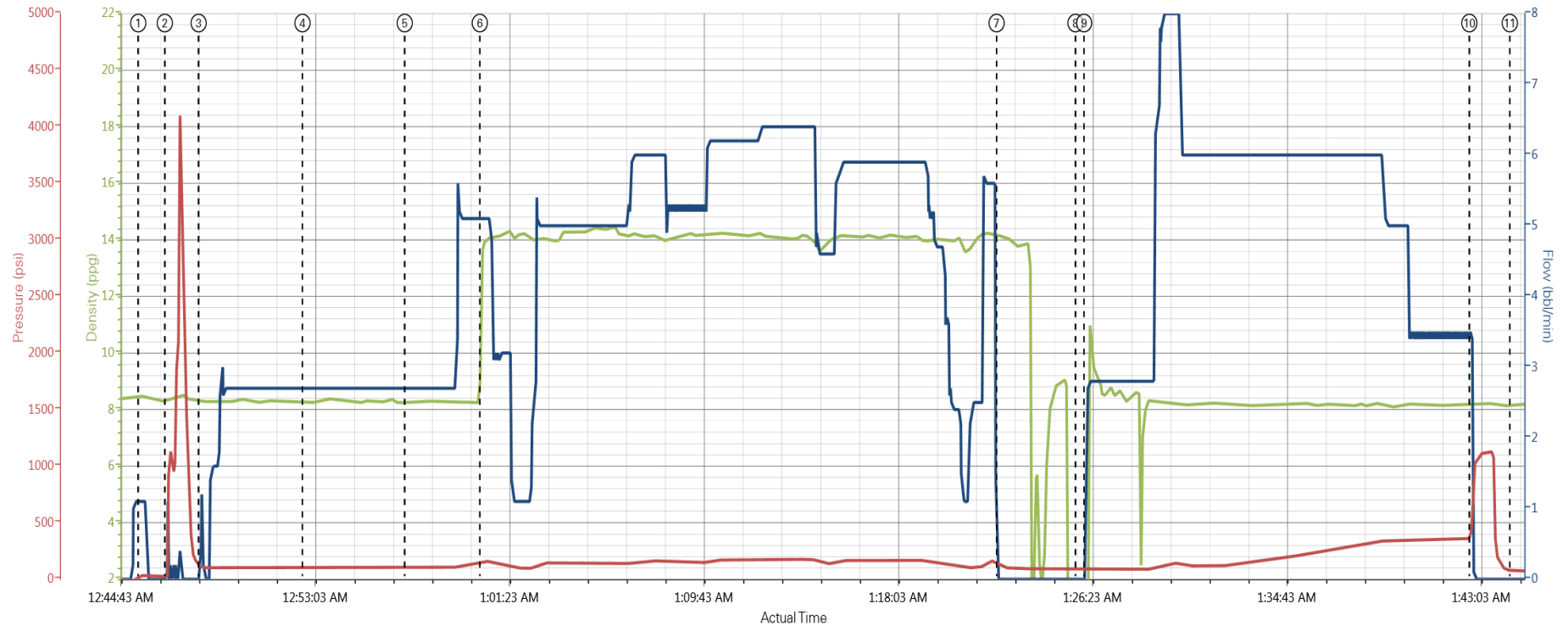
HALLIBURTON

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	2.30	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	419.0 sacks	419.0 sacks

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
- ② Test Lines 8:31;1.23
- ③ Pump Spacer 1 8:29;1.1;110
- ④ Pump Spacer 2 8:29;2.7;108
- ⑤ Pump Spacer 1 8:29;2.7;105
- ⑥ Pump Cement 13:57;5.1;141
- ⑦ Shutdown 14:16;0;122
- ⑧ Drop Plug -0.06;0;89
- ⑨ Pump Displacement -0.02;1.9;88
- ⑩ Bump Plug 8:23;3.4;559
- ⑪ End Job 8:18;0;75

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
02/03/2014 02:30		Call Out							
02/03/2014 05:30		Depart Yard Safety Meeting							JSA on Job Materials, pre-tripping trucks, and driving to location
02/03/2014 06:45		Arrive at Location from Service Center							Arrived 45mins early and Rig just started running Csg.. Finished running Csg at 0930 and circulated 1hr before cmt
02/03/2014 06:50		Assessment Of Location Safety Meeting							Hazard Hunt on location before spotting in trucks
02/03/2014 07:00		Safety Meeting - Pre Rig-Up							JSA on rigging up bulk trucks and iron from rig
02/03/2014 07:15		Rig-Up Equipment							
02/03/2014 07:45		Rig-Up Completed							
02/03/2014 10:30		Safety Meeting - Pre Job							JSA with Company Man, Rig hands, and HES hands on pump schedule
02/03/2014 11:02		Start Job							
02/03/2014 11:03		Test Lines							3500psi Pressure Test Lines
02/03/2014 11:07		Pump Spacer 1	2.3	10				23.0	10bbls H2O spacer
02/03/2014 11:11		Pump Spacer 2	3	12				48.0	12bbls Mud Flush spacer
02/03/2014 11:14		Pump Spacer 1	5	10				98.0	10bbls H2O spacer
02/03/2014 11:17		Pump Cement	5	114.9				168.0	419sks SwiftCem, 14.2ppg, 1.54yield, 7.66gal/sk, Mixed with rig water and # verify by pressurized mud scales
02/03/2014 11:42		Shutdown							
02/03/2014 11:43		Drop Top Plug							Pre-loaded
02/03/2014 11:44		Pump Displacement	5	79				300.0	H2O displacement, Good returns throughout..... 17bbls cmt to surface
02/03/2014 12:01		Bump Plug	3					425.0	Slowed down last 20bbls to 3bbl/min to bump.. Plug landed at
02/03/2014 12:03		Check Floats							Floats held
02/03/2014 12:23		End Job							
02/03/2014 12:23		Safety Meeting - Pre Rig-Down							JSA on rigging down bulk trucks and iron from rig
02/03/2014 12:30		Rig-Down Equipment							
02/03/2014 13:00		Rig-Down Completed							
02/03/2014 13:15		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 #: 3206315	Quote #:	Sales Order #: 901089025
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Case, Randy	
Well Name: KERBS		Well #: 5N-14HZ	API/UWI #: 05-123-38188
Field: WATTENBERG	City (SAP): PLATTEVILLE	County/Parish: Weld	State: Colorado
Lat: N 40.228 deg. OR N 40 deg. 13 min. 42.341 secs.		Long: W 104.943 deg. OR W -105 deg. 3 min. 25.301 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, KENDALL R	0.0	557380

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11341988C	20 mile	11605598	20 mile	11748359	20 mile	NA	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							
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Job

Job Times

Formation Name						Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	03 - Feb - 2014	02:30	MST
Form Type	BHST				On Location	03 - Feb - 2014	06:45	MST
Job depth MD	1068. ft		Job Depth TVD	1068. ft	Job Started	03 - Feb - 2014	11:02	MST
Water Depth	Wk Ht Above Floor				Job Completed	03 - Feb - 2014	12:23	MST
Perforation Depth (MD)	From		To		Departed Loc	03 - Feb - 2014	13:15	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				.	1068.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1058.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	2	EA		
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	EA		
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	7	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			2.3	
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			5.0	
3	SwiftCem B2	SWIFTCEN (TM) SYSTEM (452990)	419.0	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		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		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					

