

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

MCKINSTRY 2C-21HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 3/20/2014
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: PRUDHOMME, JOSHUA

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	1,019.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,019.00	0.00

HALLIBURTON

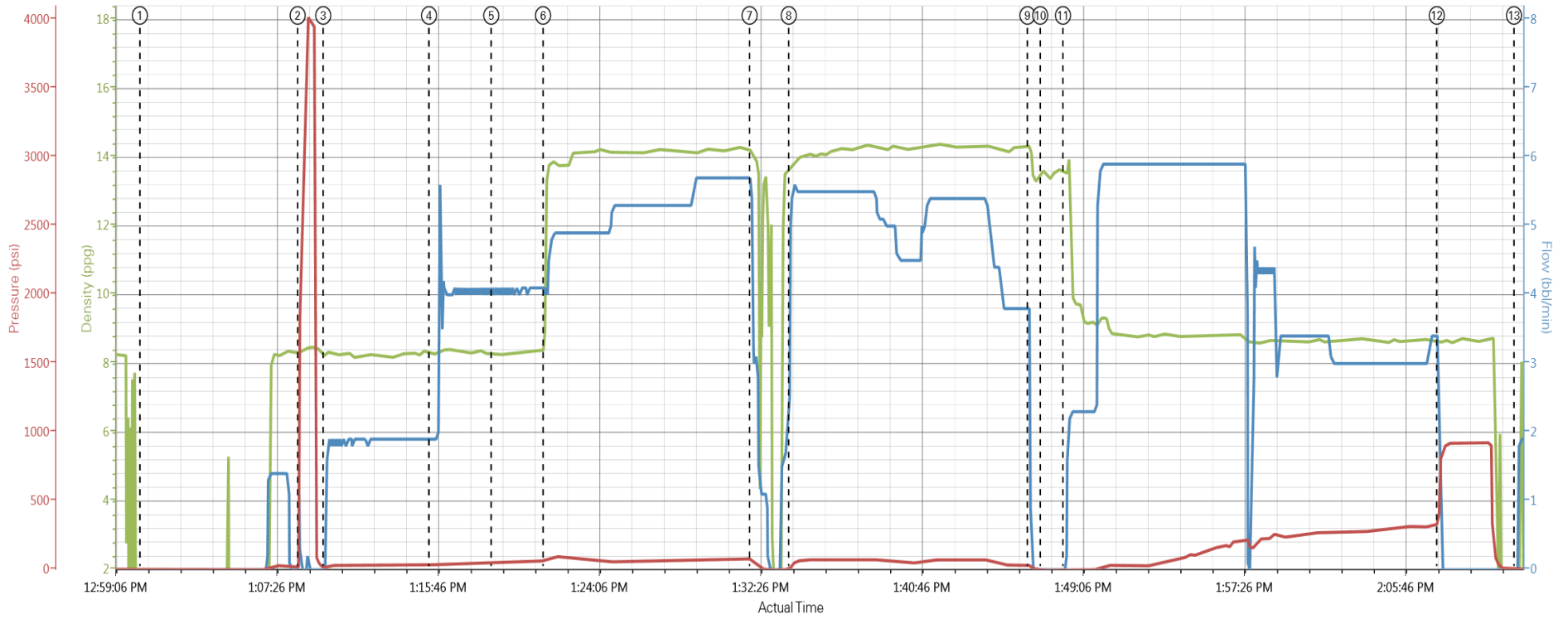
Pumping Schedule

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	2.0	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	4.0	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	4.0	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.2	5.0	388.0 sacks	388.0 sacks

HALLIBURTON

Data Acquisition

Anadarko MCKinstry 2C-21HZ Surface 1-18-14



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

- ① Start Job 0.06;0,2 ④ Pump Spacer 2 8.32;1,9;37 ⑦ Shutdown 14.18;4,3;76 ⑩ Drop Top Plug 13.61;0;-2 ⑬ End Job 0.32;0,1
- ② Test Lines 8.35;0,1924 ⑤ Pump Spacer 1 8.31;4,1,49 ⑧ Resume 13.75;5,4;29 ⑪ Pump Displacement 13.53;0;-2
- ③ Pump Spacer 18.35;0,10 ⑥ Pump Cement 11.39;4,1,69 ⑨ Shutdown 14.32;3,33 ⑫ Bump Plug 8.59;3,4;459

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/18/2014 07:30		Call Out					
01/18/2014 09:00		Depart Yard Safety Meeting					JSA on job materials, pre-tripping trucks, and driving to location
01/18/2014 10:30		Arrive at Location from Service Center					Arrived 30mins early and rig is running Csg
01/18/2014 10:32		Assessment Of Location Safety Meeting					Hazard Hunt on location before spotting in trucks
01/18/2014 10:40		Safety Meeting - Pre Rig-Up					JSA on rigging up bulk trucks and iron to rig
01/18/2014 10:45		Rig-Up Equipment					
01/18/2014 11:00		Rig-Up Completed					
01/18/2014 12:30		Safety Meeting - Pre Job					JSA with Company man, rig hands, and HES hands on pump schedule
01/18/2014 13:00		Start Job					
01/18/2014 13:08		Test Lines					3500psi Pressure Test Lines to rig floor
01/18/2014 13:09		Pump Spacer 1	2	10		38.0	10bbls h2o spacer
01/18/2014 13:15		Pump Spacer 2	4	12		42.0	12bbls Mud Flush spacer
01/18/2014 13:18		Pump Spacer 1	4	10		58.0	10bbls H2O spacer
01/18/2014 13:21		Pump Cement	5.0	106.4		120.0	388sks Swiftcem, 14.2ppg, 1.54yield, 7.66gal/sk, Mixed with rig water and # verify 3x's by pressurized mud scales
01/18/2014 13:46		Shutdown					
01/18/2014 13:47		Drop Top Plug					Pre-Loaded
01/18/2014 13:48		Pump Displacement	5	75		180.0	H2O displacement, Good returns throughout... 20bbls Cmt to surface
01/18/2014 14:07		Bump Plug	3			333.0	Slowed down last 20bbls to 3bbl/min to bump.. Plug landed at 333psi and brought to 923psi for 3mins
01/18/2014 14:11		Check Floats					Floats Held
01/18/2014 14:11		End Job					
01/18/2014 14:15		Safety Meeting - Pre Rig-Down					JSA on rigging down bulk trucks and iron from rig
01/18/2014 14:20		Rig-Down Equipment					
01/18/2014 15:15		Rig-Down Completed					
01/18/2014 15:30		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 #: 3117227		Quote #:		Sales Order #: 901051042	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: Case, Randy			
Well Name: MCKINSTRY			Well #: 2C-21HZ		API/UWI #: 05-123-37007		
Field: WATTENBERG		City (SAP): LONGMONT		County/Parish: Weld		State: Colorado	
Lat: N 40.217 deg. OR N 40 deg. 13 min. 0.131 secs.				Long: W 104.981 deg. OR W -105 deg. 1 min. 6.985 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	MYRE, JAMES	0.0	549859

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11542778	25 mile	11605598	25 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	1016. ft	1016. ft						18 - Jan - 2014	07:30	MST
											On Location	18 - Jan - 2014	10:30	MST
											Job Started	18 - Jan - 2014	13:00	MST
											Job Completed	18 - Jan - 2014	14:11	MST
											Departed Loc	18 - Jan - 2014	15:30	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				.	1019.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1019.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	30	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	30	MI		
KIT,HALL WELD-A	1	EA		
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	7	EA		
Description	Qty	Qty uom	Depth	Supplier
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		10.0	bbl	8.33			2.0	
2	Mud Flush		12.0	bbl	8.4			4.0	
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			4.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	388	sacks	14.2	1.54	7.63	5.0	7.63
7.63 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	20.0	Actual Displacement	75.0	Treatment	
Frac Gradient		15 Min		Spacers	32.0	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					

