

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

NRC 29C-4HZ

Majors 42

Post Job Summary **Cement Surface Casing**

Date Prepared: 1/20/2014
Version: 1

Service Supervisor: SMITH, AARON

Submitted by: TRIER, DEREK

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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	1,061.00	44.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,063.00	0.00

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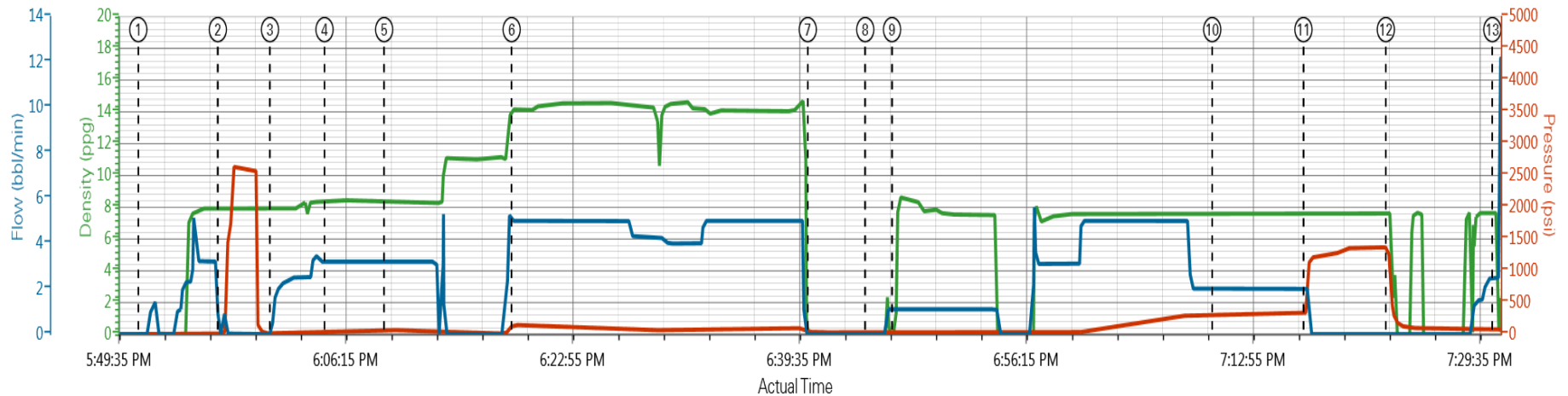
Pumping Schedule

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	3.00	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	3.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	383.0 sacks	383.0 sacks

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Data Acquisition

ANADARKO PETROLEUM NRC 29C-4HZ SURFACE



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

1 Start Job -0.55;-1,0 4 Pump Spacer 2 8.32;40;3,2 7 Shutdown -0.45;37;0 10 Other 7.54;280;2 13 Test Lines 7.6;77;2,5
 2 Test Lines 7.86;10;0 5 Pump Spacer 1 8.31;49;3,2 8 Drop Top Plug -0.71;25;0 11 Bump Plug 7.66;335;2
 3 Pump Spacer 1 8;10;1 6 Pump Cement 14.14;147;5 9 Pump Displacement -0.2;25;1,1 12 Check Floats 7.63;1280;0

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Created: 2014-01-23 16:33:41, Version: 3.0.121

Edit

Customer: ANADARKO PETROLEUM CORP - EBUS

Job Date: 1/23/2014 4:46:39 PM

Well: NRC 29C-4HZ

Representative: AARON SMITH

Sales Order #: 901060577

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
01/23/2014 14:30		Arrive at Location from Service Center							WITH ALL EQUIPMENT AND MATERIALS, RIG HAD JUST STARTED RUNNING CASING.
01/23/2014 14:45		Assessment Of Location Safety Meeting							HAZARD HUNT WITH CREW
01/23/2014 15:00		Pre-Rig Up Safety Meeting							RIG-UP JSA
01/23/2014 15:05		Rig-Up Equipment							
01/23/2014 15:30		Rig-Up Completed							
01/23/2014 16:30		Casing on Bottom							
01/23/2014 16:30		Circulate Well							
01/23/2014 17:20		Pre-Job Safety Meeting							WITH CUSTOMER REP AND RIG CREW
01/23/2014 17:51		Start Job							
01/23/2014 17:57		Test Lines							FRESH WATER WITH NO ADDITIVES
01/23/2014 18:00		Pump Spacer 1	3	10				125.0	FRESH WATER WITH NO ADDITIVES
01/23/2014 18:04		Pump Spacer 2	3	12				95.0	FRESH WATER WITH MUD FLUSH
01/23/2014 18:09		Pump Spacer 1	3	10				95.0	FRESH WATER WITH NO ADDITIVES
01/23/2014 18:18		Pump Cement	5	105				95.0	383 SKS SWIFTCEM B1 @ 14.2 PPG 1.55 YIELD, 7.68 GAL/SK
01/23/2014 18:40		Shutdown							
01/23/2014 18:44		Drop Top Plug							PRE-LOADED HWE TOP PLUG IN PLUG CONTAINER VERIFIED BY CUSTOMER REP
01/23/2014 18:46		Pump Displacement	5	78				300.0	FRESH WATER WITH NO ADDITIVES
01/23/2014 19:02		Spacer Returns to Surface							@ 33 BBLS DISPLACEMENT, 32 BBLS TO THE PIT
01/23/2014 19:10		Cement Returns to Surface							@ 65 BBLS DISPLACEMENT, 13 BBLS TO THE PIT
01/23/2014 19:16		Bump Plug	3					1233.0	FINAL CIRCULATING PRESSURE 320, 321 PSI TO LAND, 466 PSI TO LIFT,
01/23/2014 19:22		Check Floats							FLOATS HELD, .5 BBLS BACK
01/23/2014 19:30		End Job							RIG DOWN JSA, JOURNEY MANAGMENT MEETING, THANKS AARON SMITH AND CREW

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3271835	Quote #:	Sales Order #: 901061301
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Hersh, Larry	
Well Name: NRC		Well #: 29C-4HZ	API/UWI #: 05-123-38610
Field: WATTENBERG	City (SAP): IONE	County/Parish: Weld	State: Colorado
Lat: N 40.059 deg. OR N 40 deg. 3 min. 33.221 secs.		Long: W 104.898 deg. OR W -105 deg. 6 min. 6.358 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: GREGORY, JON		Srvc Supervisor: SMITH, AARON	MBU ID Emp #: 518187

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MASTEL, RYAN Eugene	5.5	561732	SMITH, AARON David	5.5	518187	TOWNSON, JUSTIN T	5.5	555407

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10977079C	20 mile	11398490	20 mile	11562546C	20 mile	12010173	20 mile

Job

Job Times

Formation Name				Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom		Called Out	23 - Jan - 2014	10:30 MST
Form Type	BHST			On Location	23 - Jan - 2014	14:30 MST
Job depth MD	1063. ft	Job Depth TVD	1063. ft	Job Started	23 - Jan - 2014	17:51 MST
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	23 - Jan - 2014	19:30 MST
Perforation Depth (MD)	From	To		Departed Loc	23 - Jan - 2014	20:00 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				.	1063.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1061.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	20	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	20	MI		
KIT,HALL WELD-A	1	EA		
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
Description	Qty	Qty uom	Depth	Supplier
COLLAR-STOP-9 5/8"-FRICTION-HINGED	2	EA		
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	9	EA		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	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			3.0	
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			3.0	
3	SwiftCem B2	SWIFTCem (TM) SYSTEM (452990)	383.0	sacks	14.2	1.54	7.66	5.0	7.66
7.66 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	78.0	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	13.0	Actual Displacement	78.0	Treatment	
Frac Gradient		15 Min		Spacers	32.0	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	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					

