

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

Banded 37C-27HZ

Majors 42

Post Job Summary

Cement Surface Casing

Date Prepared: 7/19/2014
Version: 1

Service Supervisor: NIELSON, BRANDON

Submitted by: LANSDALE, JUSTIN

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	1742	43.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1752	0.00

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume
1	1	Spacer	Fresh Water Spacer	8.33	2.1	10.0 bbl
1	2	Spacer	Mud Flush	8.40	3.5	12.0 bbl
1	3	Spacer	Fresh Water Spacer	8.33	3.5	10.0 bbl
1	4	Cement Slurry	SwiftCem B2	14.20	3.5	665 sks
1	5	Displacement	Fresh Water	8.33	3	131.4 bbl
1	5	Cement Slurry	HalCem	15.8	3	100 sks

HALLIBURTON

Service Supervisor

Reports

HALLIBURTON

ANADARKO PETROLEUM CORP - EBUS

9014 67775

Case 1

1.6 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Pass-Side Pump Rate (bbl/min)	Recirc Density (ppg)	Comment
Event	1	Call Out	Call Out	6/28/2014	21:00:00	USER					
Event	2	Arrive At Loc	Arrive At Loc	6/29/2014	00:45:00	USER					
Event	3	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	6/29/2014	01:00:00	USER					UPON ARRIVAL RIG WAS RUNNING CASING
Event	4	Rig-Up Equipment	Rig-Up Equipment	6/29/2014	01:05:00	USER					
Event	5	Rig-Up Completed	Rig-Up Completed	6/29/2014	02:00:00	USER					
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/29/2014	03:45:00	USER					JSA WITH ALL INVOLVED PERSONS
Event	7	Start Job	Start Job	6/29/2014	04:04:00	USER	9.00	3.84	0.00	8.45	
Event	8	Test Lines	Test Lines	6/29/2014	04:06:00	USER	9.04	2593.50	0.00	8.45	TETED LINES TO 2500 PSI NO VISIBLE LEAKS
Event	9	Pump Spacer 1	Pump Spacer 1	6/29/2014	04:10:00	USER	8.38	22.71	2.11	8.41	10 BBL FRESH WATER PUMPED AT 3.5 BPM AND 46 PSI
Event	10	Pump Spacer 2	Pump Spacer 2	6/29/2014	04:14:00	USER	8.40	48.18	3.45	14.70	12 BBL MUD FLUSH PUMPED AT 3.5 BPM AND 51 PSI
Event	11	Pump Spacer 1	Pump Spacer 1	6/29/2014	04:17:00	USER	8.38	51.95	3.45	13.42	10 BBL FRESH WATER PUMPED AT 3.5 BPM AND 55 PSI
Event	12	Pump Cement	Pump Cement	6/29/2014	04:20:00	USER	13.60	73.65	3.47	14.31	665 SKS OR 182 BBL SWIFTCM MIXED AT 14.2 PPG WITH FRESH WATER. PUMPED AT 5.5 BPM AND 126 PSI. CHECK VOLUME OFF OF MIX WATER CALCULATED WAS 5074 GALLONS, WE USED 4985 GALONS.
Event	13	Shutdown	Shutdown	6/29/2014	04:56:00	USER	13.63	9.50	1.97	0.87	

iCem[®] Service

Event	14	Drop Top Plug	Drop Top Plug	6/29/2014	04:57:00	USER	-0.22	-12.20	0.00	10.83	PLUG PRE LOADED WITNESSED BY COMPANY REP
Event	15	Pump Displacement	Pump Displacement	6/29/2014	04:57:30	USER	11.13	15.16	2.97	10.01	131 BBL FRESH WATER PUMPED AT 6 BPM AND 496 PSI
Event	16	Bump Plug	Bump Plug	6/29/2014	05:31:00	USER	8.37	1280.27	0.00	0.87	PLUG BUMPED AT 740 PSI ON CALCULATED OF 131
Event	17	Check Floats	Check Floats	6/29/2014	05:32:30	USER	8.48	-4.65	0.00	0.87	CHECKED FLOATS AT 1347 PSI. FLOATS HELD WITH 1 BBL BACK TO THE TRUCK.
Event	18	Other	Other	6/29/2014	05:37:00	USER	8.42	-3.71	0.00	0.87	STARTED SEEING TRACES OF CEMENT BACK ABOUT 125 BBL AWAY. NO GOOD CEMENT RETURNED TO SURFACE.
Event	19	Other	Other	6/29/2014	05:40:00	USER	8.38	-6.54	0.00	0.87	CALLED IN FOR 100 SKS OF PREMIUM G FOR TOP OUT.
Event	20	Pump Cement	Pump Cement	6/29/2014	09:00:00	USER	8.27	-21.64	0.00	16.10	MIXED AND PUMPED 100 SKS OR 20.5 BBL PREMIUM G AT 15.8 PPG WITH FRESH WATER. PUMPED AT 1.5 BPM AND 89 PSI. CEMENT RETURNED TO SURFACE 13 INTO LEAVING US WITH 7.5 BBL BACK.
Event	21	End Job	End Job	6/29/2014	09:37:00	USER					
Event	22	Other	Other	6/29/2014	09:40:00	USER					Spoke with the company rep and he told me when they supped the hole it rained pretty hard washing the box out and some of the first part of the hole. He said the put some big rock in it and tamped it down. After we pumped the original job and the fluid level fell the were alot of rocks in the bottom

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3471395	Quote #:	Sales Order #: 0901467775
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Bob Porter	
Well Name: BANDED	Well #: 37C-27HZ	API/UWI #: 05-123-39303-00	
Field: WATTENBERG	City (SAP): IONE	County/Parish: WELD	State: COLORADO
Legal Description: SE SE-22-2N-67W-300FSL-916FEL			
Contractor:		Rig/Platform Name/Num: Majors 42	
Job BOM: 7521			
Well Type: HORIZONTAL GAS			
Sales Person: HALAMERICA\HB47901		Srvc Supervisor: Brandon Nielson	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	1742R		Job Depth TVD
Water Depth			Wk Ht Above Floor
Perforation Depth (MD)	From		To

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			13.5				0	1742		0
Casing		9.625	8.921	36		J-55	0	1752		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		1752	Top Plug	9.625	1	HES
Float Shoe	9.625	1			Bottom Plug	9.625	1	HES
Float Collar	9.625	1			SSR plug set	9.625	1	HES
Insert Float	9.625	1			Plug Container	9.625	1	HES
Stage Tool	9.625	1			Centralizers	9.625	1	HES

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III	12	bbl	8.4				
42 gal/bbl			FRESH WATER						

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
---------	------------	------------	-----	---------	------------------------	-----------------------------	---------------	--------------	---------------------

HALLIBURTON

HALLIBURTON

Cementing Job Summary

2	Lead Cement	SWFTCEM (TM) SYSTEM	665	sack	14.2	1.537		6	7.63
---	-------------	---------------------	-----	------	------	-------	--	---	------

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Displacement	131.4	bbl	8.33				
Cement Left In Pipe		Amount	Reason						
		42 ft	Shoe Joint						
Comment Topped out the well with 100 sks premium G 15.8 ppg, 1.15 yield, 5 gal/sk									