

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

Wagner 34N-34HZ

**Majors 42**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 1/22/2014  
Version: 1

Service Supervisor: MCBRIDE, NATHAN

Submitted by: TRIER, DEREK

# HALLIBURTON

## Wellbore Geometry

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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	1,056.00	40.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,056.00	0.00

# HALLIBURTON

## ***Pumping Schedule***

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<b>Stage /Plug #</b>	<b>Fluid #</b>	<b>Fluid Type</b>	<b>Fluid Name</b>	<b>Surface Density lbm/gal</b>	<b>Avg Rate bbl/min</b>	<b>Surface Volume</b>	<b>Downhole Volume</b>
1	1	Spacer	Fresh Water Spacer	8.33	5.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	5.00	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	396.0 sacks	396.0 sacks

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
10/31/2013 21:05		Arrive at Location from Service Center					All equipment and materials on location Rig Running Casing
10/31/2013 21:10		Assessment Of Location Safety Meeting					Hazard Hunt and review fluid location, wash up and truck layout
10/31/2013 21:20		Pre-Rig Up Safety Meeting					
10/31/2013 21:40		Rig-Up Equipment					
10/31/2013 21:50		Casing on Bottom					
10/31/2013 21:55		Circulate Well					Circulate till 12300
10/31/2013 22:00		Rig-Up Completed					
10/31/2013 22:30		Pre-Job Safety Meeting					
10/31/2013 23:10		Start Job					
10/31/2013 23:11		Pump Water	2	2		50.0	Fill Lines
10/31/2013 23:14		Test Lines				2195.0	
10/31/2013 23:16		Pump Spacer	5	10		60.0	Fresh Water
10/31/2013 23:19		Pump Spacer	5	12		80.0	Mud Flush
10/31/2013 23:21		Pump Spacer	5	10		80.0	Fresh Water
10/31/2013 23:23		Pump Lead Cement	5	108.6		78.0	396sks @ 14.2ppg, 1.54yield, 7.66gal/sk
10/31/2013 23:48		Drop Top Plug					
10/31/2013 23:49		Pump Displacement	5	78.4		367.0	Fresh Water
11/01/2013 00:00		Spacer Returns to Surface					Mud Flush to Surface 35bbbls into Displacement
11/01/2013 00:07		Cement Returns to Surface					65bbbls Displaced 13bbbls to Surface
11/01/2013 00:11		Bump Plug				386.0	1000psi Over 1394 Final bump Pressure
11/01/2013 00:17		Check Floats					Floats Good
11/01/2013 00:19		End Job					Thanks McBride and Crew

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300466		<b>Ship To #:</b> 3195567		<b>Quote #:</b>		<b>Sales Order #:</b> 900866547	
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS				<b>Customer Rep:</b> Hersh, Larry			
<b>Well Name:</b> Wagner			<b>Well #:</b> 34N-34HZ		<b>API/UWI #:</b>		
<b>Field:</b> WATTENBURG		<b>City (SAP):</b> PLATTEVILLE		<b>County/Parish:</b> Weld		<b>State:</b> Colorado	
<b>Contractor:</b> Majors			<b>Rig/Platform Name/Num:</b> Majors 42				
<b>Job Purpose:</b> Cement Surface Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Surface Casing			
<b>Sales Person:</b> FLING, MATTHEW			<b>Srvc Supervisor:</b> MCBRIDE, NATHAN		<b>MBU ID Emp #:</b> 313810		

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MCBRIDE, NATHAN Charles	5.0	313810						

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11398490	20 mile	11526488	20 mile				

**Job**

**Job Times**

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					31 - Oct - 2013	16:00	MST
<b>Form Type</b>			<b>BHST</b>	<b>On Location</b>	31 - Oct - 2013	21:05	MST
<b>Job depth MD</b>	1056. ft		<b>Job Depth TVD</b>	1056. ft	<b>Job Started</b>	31 - Oct - 2013	23:10
<b>Water Depth</b>			<b>Wk Ht Above Floor</b>	5. ft	<b>Job Completed</b>	01 - Nov - 2013	00:18
<b>Perforation Depth (MD)</b>	<b>From</b>		<b>To</b>	<b>Departed Loc</b>	01 - Nov - 2013	01:30	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				.	1056.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1056.		

**Sales/Rental/3<sup>rd</sup> 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		
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	7	EA		
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		
Description	Qty	Qty uom	Depth	Supplier
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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		10.00	bbl	8.33			5.0	
2	Mud Flush		12.00	bbl	8.4			5.0	
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	SWIFTCEM (TM) SYSTEM (452990)	396.0	sacks	14.2	1.53	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 13		Actual Displacement 78.4		Treatment	
Frac Gradient		15 Min		Spacers 32		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe		Amount	40 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					

