

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

Wirkner Vance 30N-36HZ

MAJORS 42

Post Job Summary **Cement Surface Casing**

Date Prepared: 3/11/2014
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: PRUDHOMME, JOSHUA

HALLIBURTON

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	1,010.00	44.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,010.00	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	5.0	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	5.0	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	5.0	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.2	5.0	381.0 sacks	381.0 sacks

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
10/18/2013 01:30		Call Out					CREW CALLED AT 01:30 AM
10/18/2013 06:00		Arrive at Location from Service Center					
10/18/2013 06:00		Waiting - Arrived Early to Location - Start Time					WAIT ON RIG TO FINISH RUNNING CASING
10/18/2013 06:05		Assessment Of Location Safety Meeting					HAZARD HUNT ON LOCATION. DURING HUNT FOUND OUT NO CONTAINMENT ON LOCATION.
10/18/2013 08:00		Waiting - Arrived Early to Location - End Time					RIG TURNED OVER TO HES TO RIG UP
10/18/2013 08:30		Safety Meeting - Pre Job					
10/18/2013 08:38		Start Job					
10/18/2013 08:42		Test Lines				2141.0	FRESH WATER WITH NO ADDITIVES
10/18/2013 08:44		Pump Spacer 1	5	10		16.0	
10/18/2013 08:49		Pump Spacer 2	5	12		16.0	
10/18/2013 08:53		Pump Spacer 2	5	10		19.0	FRESH WATER WITH NO ADDITIVES
10/18/2013 08:57		Pump Lead Cement	5	105		20.0	381 SKS SWIFTCCEM B2 MIXED @ 14.2 PPG YIELD 1.54 FT3/FT AND 7.66 GAL/SK. VERIFIED BY PRESSURIZED SCALES
10/18/2013 09:25		Shutdown					
10/18/2013 09:27		Drop Top Plug					HWE TOP PLUG NOT PRELOADED PUMPED THROUGH QUICK LATCH SWADGE
10/18/2013 09:29		Pump Displacement	5	75		397.0	FRESH WATER WITH NO ADDITIVES. CAUGHT CEMENT @ 30 BBLS AWAY AND SPACER RETURNED TO SURFACE @ 15 BBLS AWAY AND 15 BBLS CEMENT BACK TO SURFACE
10/18/2013 09:48		Bump Plug	3			933.0	CALCULATED PRESSURE TO LAND WAS 368 AND PRESSURE TO LIFT WAS 406 PSI
10/18/2013 09:49		Other					FLOATS HELD AND GOT 1 BBLS BACK.
10/18/2013 09:50		End Job					HELD SAFETY MEETING TO RIG DOWN AND DEPART LOCATION

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3110495	Quote #:	Sales Order #: 900829883
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Porter, Bob	
Well Name: Wirkner Vance		Well #: 30N-36HZ	API/UWI #: 05-123-37885
Field: WATTENBERG	City (SAP): FORT LUPTON	County/Parish: Weld	State: Colorado
Lat: N 40.175 deg. OR N 40 deg. 10 min. 31.274 secs.		Long: W 104.846 deg. OR W -105 deg. 9 min. 15.318 secs.	
Contractor: MAJORS		Rig/Platform Name/Num: MAJORS42	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: PLIENESS, RYAN		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROOM, KENDALL L	0.0	524682	LAVALLEY, LARRY	0.0	419296	TOWNSON, JUSTIN T	0.0	555407
WILEY, JAMES A	0.0	440080						

Job

Job Times

Formation Name							Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out	18 - Oct - 2013	01:30	MST
Form Type				BHST		On Location	18 - Oct - 2013	06:00	MST
Job depth MD	1010. ft			Job Depth TVD	1010. ft	Job Started	18 - Oct - 2013	08:40	MST
Water Depth				Wk Ht Above Floor	6. ft	Job Completed	18 - Oct - 2013	09:50	MST
Perforation Depth (MD)	From			To		Departed Loc	18 - Oct - 2013	10:30	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				.	1010.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1010.		

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		
Description	Qty	Qty uom	Depth	Supplier
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		
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		10.00	bbl	8.33		42.0	5.0	
2	Mud Flush		12.00	bbl	8.4		42.0	5.0	
3.33 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		42.0	5.0	
3	SwiftCem B2	SWIFTCM (TM) SYSTEM (452990)	381.0	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	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					

