

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

Wirkner-Vance 29N-36HZ

MAJORS 42

Post Job Summary **Cement Surface Casing**

Prepared for:
Date Prepared: 1/22/2014
Version: 1

Service Supervisor: MCBRIDE, NATHAN

Submitted by: FINNEY, SEAN

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	1,007.00	43.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,007.00	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	4.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	4.00	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	4.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	378.0 sacks	378.0 sacks

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
10/17/2013 03:15		Casing on Bottom					
10/17/2013 03:20		Circulate Well					
10/17/2013 03:30		Arrive at Location from Service Center					All equipment and materials on location
10/17/2013 03:35		Assessment Of Location Safety Meeting					Hazard Hunt and review fluid location, wash up and truck layout
10/17/2013 03:40		Pre-Rig Up Safety Meeting					No containment on location. Called Hot Shots. Hot Shots on location 0415
10/17/2013 04:00		Rig-Up Equipment					Pre- Rig Water Lines and Iron while waiting on containment
10/17/2013 04:50		Rig-Up Completed					
10/17/2013 05:05		Pre-Job Safety Meeting					
10/17/2013 05:27		Start Job					
10/17/2013 05:27		Pump Water	2	2			Fill Lines
10/17/2013 05:29		Test Lines				2387.0	
10/17/2013 05:32		Pump Spacer	4	10		95.0	Fresh Water
10/17/2013 05:35		Pump Spacer	4	12		90.0	Mud Flush
10/17/2013 05:39		Pump Spacer	4	10		95.0	Fresh Water
10/17/2013 05:45		Pump Lead Cement	5	103.7		110.0	378sks @ 14.2ppg, 1.54yield, 7.66gal/sk
10/17/2013 06:08		Drop Top Plug					
10/17/2013 06:09		Pump Displacement	5	74.5		330.0	Fresh Water
10/17/2013 06:12		Spacer Returns to Surface					Mud Flush to Surface 8bbls into Displacement
10/17/2013 06:27		Cement Returns to Surface					62bbls Displaced 12bbls to Surface
10/17/2013 06:32		Bump Plug				350.0	500psi Over 1186 Final bump Pressure
10/17/2013 06:37		Check Floats					Floats Good
10/17/2013 06:38		End Job					Thanks McBride and Crew

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3110497	Quote #:	Sales Order #: 900826299
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Porter, Bob	
Well Name: Wirkner-Vance		Well #: 29N-36HZ	API/UWI #: 05-123-37881
Field: Wattenberg	City (SAP): FORT LUPTON	County/Parish: Weld	State: Colorado
Contractor: MAJORS		Rig/Platform Name/Num: MAJORS 42	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: PLIENESS, RYAN		Srvc Supervisor: MCBRIDE, NATHAN	MBU ID Emp #: 313810

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHISLUM, DENNIS	4.0	512130	MARKOVICH, STEVEN Michael	4.0	502964	MCBRIDE, NATHAN Charles	4.0	313810

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	15 mile	11398490	15 mile	11645065	15 mile	12010170	15 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name								
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type		BHST			On Location	17 - Oct - 2013	00:05	MST
Job depth MD	1007. ft	Job Depth TVD	1007. ft		Job Started	17 - Oct - 2013	03:30	MST
Water Depth		Wk Ht Above Floor	5. ft		Job Completed	17 - Oct - 2013	05:27	MST
Perforation Depth (MD)	From	To			Departed Loc	17 - Oct - 2013	06:37	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				.	1007.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1007.		

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		
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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		10.00	bbl	8.33			4.0	
2	Mud Flush		12.00	bbl	8.4			4.0	
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			4.0	
3	SwiftCem B2	SWIFTCEN (TM) SYSTEM (452990)	378.0	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		74.5	Treatment
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe		Amount	43 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					

