

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

GRENEMEYER 16N-3HZ

Majors 42

Post Job Summary **Cement Surface Casing**

Date Prepared: 1/29/2014
Version: 1

Service Supervisor: SIMS, DENNIS

Submitted by: GROVES, COREY

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	1,086.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,096.00	0.00

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	12.0 bbl	12.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	410.0 sacks	410.0 sacks

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pressure (psig)	Comments
01/07/2014 06:00		Call Out				call out from ars office
01/07/2014 13:00		Arrive At Loc				arrive on location met with company rep discuss job process and concerns
01/07/2014 14:18		Start Job				preloaed plug into cement head witnessed by company rep
01/07/2014 14:23		Test Lines			368381.2	pressure tested pumps and lines found leak at sigle chic bleed pressure off and replaced retested no leaks found
01/07/2014 14:30		Pump Spacer 1	12.58	62.89	4191.4	pumped fresh water from frac tank
01/07/2014 14:35		Pump Spacer 2	15.72	62.89	4191.4	mixed mud flush with fresh water, mud flush was supplied by rig crew
01/07/2014 14:39		Pump Spacer 1	15.72	62.89	4191.4	pumped fresh water
01/07/2014 14:42		Pump Cement	34.59	704.36	13328.8	mixed 14.2ppg swiftcem with fresh water
01/07/2014 15:05		Shutdown				
01/07/2014 15:06		Drop Top Plug				released plug withnessed by company rep
01/07/2014 15:06		Pump Displacement	37.74	507.52	43496.6	pumped fresh water displacement
01/07/2014 15:26		Bump Plug	12.58		50748.5	bumped plug 500psi over final pump pressure
01/07/2014 15:31		Check Floats		6.29	136175.8	release presurre back to pump truck to check floats , floats held good
01/07/2014 15:31		End Job				

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3204878	Quote #:	Sales Order #: 901017697
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Porter, Bob	
Well Name: GRENEMEYER		Well #: 16N-3HZ	API/UWI #: 05-123-38420
Field: WATTENBERG	City (SAP): LOCHBUIE	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: GREGORY, JON		Srvc Supervisor: SIMS, DENNIS	MBU ID Emp #: 158880

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MULLER, MICHEL B	0.0	529830	OTERI, VAUGHN Steeves	0.0	443828	Prudhomme, josh	0.0	548040
SIMS, DENNIS A	0.0	158880						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

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					Called Out	Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		On Location	07 - Jan - 2014	06:00	MST
Form Type	BHST				Job Started	07 - Jan - 2014	00:00	MST
Job depth MD	1096. ft		Job Depth TVD	1096. ft	Job Completed	07 - Jan - 2014	00:00	MST
Water Depth			Wk Ht Above Floor	4. ft				
Perforation Depth (MD)	From		To		Departed Loc			

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				.	1096.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1086.		

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		
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				
Tools and Accessories															
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make		
Guide Shoe					Packer					Top Plug					
Float Shoe					Bridge Plug					Bottom Plug					
Float Collar					Retainer					SSR plug set					
Insert Float										Plug Container					
Stage Tool										Centralizers					
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 /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk				
1	Fresh Water Spacer				10.00	bbl	8.33								
2	Mud Flush				12.00	bbl	8.4								
3.5 lbm/bbl		MUD FLUSH III, 40 LB SACK (101633304)													
42 gal/bbl		MUD FLUSH III - SBM (528788)													
3	SwiftCem B2	SWIFTCM (TM) SYSTEM (452990)			409.0	sacks	14.2	1.54	7.66		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	45 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										

