

**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

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

Data Acquisition

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						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
				07 - Jan - 2014	06:00	MST
Formation Depth (MD)			On Location			
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
Water Depth		Wk Ht Above Floor	4. ft			
Perforation Depth (MD)	<i>From</i>	<i>To</i>	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 ft3/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	SWIFCEM (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								

