
ANADARKO PETROLEUM CORP - EBUS

**Gittlein 3N-28HZ
WATTENBERG
Weld County , Colorado**

Cement Surface Casing
06-Sep-2013

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3098511	Quote #:	Sales Order #: 900724476
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Hersh, Larry	
Well Name: Gittlein		Well #: 3N-28HZ	API/UWI #: 05-123-36225
Field: WATTENBERG	City (SAP): HUDSON	County/Parish: Weld	State: Colorado
Lat: N 40.088 deg. OR N 40 deg. 5 min. 18.38 secs.		Long: W 104.674 deg. OR W -105 deg. 19 min. 32.844 secs.	
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	Srvs Supervisor: BIRCHELL, DEVIN		MBU ID Emp #: 466993

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BIRCHELL, DEVIN Ray	6	466993	MILLER, GEOFFREY Alan	6	460232	SIMMONS, KEATON J	6	524850
TRANCOSO, JEFFREY Donald	6	550472						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11064046C	15 mile	11360865C	15 mile	11362287C	15 mile	11764054C	15 mile
12010171	15 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09-05-13	3	1	09-06-13	3	2.5			

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	05 - Sep - 2013	17:00	MST
Form Type		BHST	Job Started	05 - Sep - 2013	21:00	MST
Job depth MD	1322. ft	Job Depth TVD	Job Started	06 - Sep - 2013	01:07	MST
Water Depth		Wk Ht Above Floor	Job Completed	06 - Sep - 2013	02:30	MST
Perforation Depth (MD)	From	To	Departed Loc	06 - Sep - 2013	03:30	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				.	1322.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1322.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe	9.625	1	HES	1319	Bridge Plug					Bottom Plug			
Float Collar	9.625	1	HES	1277	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
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	.0	.0	.0	
2	Mud Flush		12.00	bbl	8.4	.0	.0	.0	
	3.33 lbm/bbl	MUD FLUSH III, 40 LB SACK (101633304)							
	42 gal/bbl	MUD FLUSH III - SBM (528788)							
3	SwiftCem B2	SWIFTCM (TM) SYSTEM (452990)	473.0	sacks	14.2	1.53	7.63		7.63
	7.63 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement	Surface	5 Min		Cement Returns	24	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

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Legal Description:			
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Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: PLIENESS, RYAN		Srvc Supervisor: BIRCHELL, DEVIN	MBU ID Emp #: 466993

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/05/2013 17:00							Called Out Cement Crew For Anadarko Petroleum Gittlein 3N-28HZ Surface
Pre-Convoy Safety Meeting	09/05/2013 20:20							Discussed Hazards On Route To Location, Weather, Other Traffic, Route
Depart from Service Center or Other Site	09/05/2013 20:30							
Arrive At Loc	09/05/2013 21:00							Arrived To Location Talked With Company Rep On Volumes, Rates, Depths
Wait on Customer or Customer Sub-Contractor Equip	09/05/2013 21:10							Wait For Rig Crew to Finish Running Casing
Casing on Bottom	09/05/2013 23:45							Casing on bottom rig circulating conditioning hole, Halliburton rigging up
Pre-Rig Up Safety Meeting	09/05/2013 23:45							Discussed Hazards With Cement Crew For Rigging Up Iron and Water Hoses
Rig-Up Equipment	09/05/2013 23:50							
Pre-Job Safety Meeting	09/06/2013 00:45							Discussed Job Procedures With Cement and Rig Crews
Rig-Up Completed	09/06/2013 01:04							Finished Rigging Up To The Floor And Well Head
Prime Pumps	09/06/2013 01:06							Primed Pumps and Lines For Pressure Test

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	09/06/2013 01:07							Test Pump and Lines to 2740 psi
Pump Spacer	09/06/2013 01:10		3	10	10		35.0	Pumped 10 bbls Fresh Water Spacer
Pump Spacer 1	09/06/2013 01:21		3	12	22		56.0	Pumped 12 bbls Mud Flush III Spacer
Pump Spacer 2	09/06/2013 01:25		4	10	32		67.0	Pumped 10 bbls Fresh Water Spacer
Pump Lead Cement	09/06/2013 01:28		5.5	128	160		85.0	Pumped 128 bbls (473sks) 14.2 ppg Lead, Yield 1.53 ft3/sk Water 7.63 gal/sk
Drop Plug	09/06/2013 01:55							Dropped Plug With Driller Witnessing
Pump Displacement	09/06/2013 01:56		3					Pumped Fresh Water Displacement
Spacer Returns to Surface	09/06/2013 02:10		3	43	203		108.0	10 bbls Fresh Water, Followed By 12 bbls Mud Flush III, The 10 bbls Fresh Water
Cement Returns to Surface	09/06/2013 02:20		3	72	232		355.0	With 72 bbls displacement away cement returns to surface (24bbls Back)
Bump Plug	09/06/2013 02:30		3	99	259		458.0	Bumped Plug With 458 psi Took Pressure To 1528 psi
Check Floats	09/06/2013 02:34						1528.0	Checked Floats, Floats Held With 1 bbls Back To Truck
Job Complete	09/06/2013 02:36							
Clean Lines	09/06/2013 02:48							Wash Pump and Lines to Haul Off Pit
Post-Job Safety Meeting (Pre Rig-Down)	09/06/2013 02:55							Discussed Hazards With Crew For Rigging Down Iron and Water Hoses
Rig-Down Equipment	09/06/2013 03:00							
Rig-Down Completed	09/06/2013 03:30							
Pre-Convoy Safety Meeting	09/06/2013 03:35							Discussed Hazards On Route To Service Center, Weather, Other Traffic, Route
Depart Location for Service Center or Other Site	09/06/2013 03:40							Thank You For Using Halliburton Energy Services

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	09/06/2013 22:14							Slowed Rate To Bump Plug