

## The Road to Excellence Starts with Safety

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Sold To #: 300466	Ship To #: 3098512	Quote #:	Sales Order #: 900719286
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Hersh, Larry	
Well Name: Gittlein		Well #: 3C-28HZ	API/UWI #: 05-123-36231
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 104.678 deg. OR W -105 deg. 19 min. 18.264 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	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	4	524682	LANGE, TIMOTHY Paul	4	520811	LAVALLEY, LARRY P	4	419296
LAVALLEY, LARRY P	4	419296	SIMS, DENNIS A	4	158880	WILEY, JAMES A	4	440080

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248062C	15 mile	11398319	15 mile	11488570C	15 mile	11518549	15 mile
11562546C	15 mile	12010167	15 mile				

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9/4/13	4	1						

TOTAL	Total is the sum of each column separately							
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### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Deparated Loc
				BHST	1300. ft	1300. ft					

### 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				.	1320.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1300.		

### 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	.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	SWIFTCEM (TM) SYSTEM (452990)	473.0	sacks	14.2	1.53	7.63		7.63
	7.63 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	99	Shut In: Instant		Lost Returns	0	Cement Slurry	129	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	14	Actual Displacement	99	Treatment	
Frac Gradient		15 Min		Spacers	24	Load and Breakdown		Total Job	250
Rates									
Circulating		Mixing	5	Displacement	5	Avg. Job			5
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 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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<b>Legal Description:</b>			
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<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> PLIENESS, RYAN		<b>Srv Supervisor:</b> LAVALLEY, LARRY	<b>MBU ID Emp #:</b> 419296

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	09/04/2013 11:30						1745. 0	
Pump Spacer	09/04/2013 13:11		5	12	22		61.0	Pump Fresh Water Spacer
Pump Spacer 1	09/04/2013 13:13		5	10	10		52.0	Mixing Water Tested Ok For Mixing Cement
Pump Cement	09/04/2013 13:22		5	129	151		77.0	Mix and Pump 473 sks SwiftCem Cement @ 14.2 lb/gal (Density Verified By Pressurized Mud Scales)
Drop Top Plug	09/04/2013 13:53							Shut-Down, Drop Top Plug
Pump Displacement - End	09/04/2013 13:53			99	250		457.0	Good Returns Throughout Job
Pump Displacement - Start	09/04/2013 13:53		5					Pump Fresh Water Displacement, Wash-Up on Top of Plug
Bump Plug	09/04/2013 14:19		3				1560. 0	Bump Plug 1000 PSI Over Lift Pressure, @ 2 BPM
Check Floats	09/04/2013 14:24							Floats Holding
Arrive At Loc	09/04/2013 14:38							
Cement Returns to Surface	09/04/2013 14:39							14 bbls Cement Returns to Surface
Other	09/04/2013 14:42							Monitor Cement Fallback
Safety Meeting - Pre Rig-Down	09/04/2013 14:50							
Safety Meeting - Departing Location	09/04/2013 15:00							