

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2920632	Quote #:	Sales Order #: 9428156
Customer: PDC ENERGY EBUS	Customer Rep:		
Well Name: Trinity	Well #: 44-7	API/UWI #: 05-123-22974	
Field: Wattenberg	City (SAP): GILL	County/Parish: Weld	State: Colorado
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srv Supervisor: ROSALES, MATTHEW	MBU ID Emp #: 392095	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BOETTIGER, MARK	6.0	500519	CHAVEZ, JEROME Christophe	6.0	458298	HINKLE, BRADLEY Dean	6.0	512123
			ROSALES, MATTHEW John	6.0	392095			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867419C	45 mile	11562562	45 mile	11605598	45 mile	11812069C	45 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
04/11/12	6	2						
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Job Times	Date	Time	Time Zone
				BHST	2650. ft	2650. ft					Called Out	11 - Apr - 2012	03:00	MST
											On Location	11 - Apr - 2012	06:00	MST
											Job Started	11 - Apr - 2012	09:13	MST
											Job Completed	11 - Apr - 2012	11:00	MST
											Departed Loc	11 - Apr - 2012	12:00	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
Open Hole				12.				449.	4000.		
Production Casing	Used		4.5	4.052	10.5		J-55		8450.		
Surface Casing	Used		8.625	8.097	24.		J-55		449.		
TUBING	Used		1.25	.671	3.02				2650.		

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	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
Fluid #									

Stage/Plug #: 1

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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	ClayWeb Water Spacer		10.00	bbl	8.33	.0	.0	2.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	12.00	bbl	8.4	.0	.0	2.0	
3	ClayWeb Water Spacer		10.00	bbl	8.33	.0	.0	2.0	
59.525 gal/Mgal		CLA-WEB - TOTE (101985045)							
4	VariCem 12#	VARICEM (TM) CEMENT (452009)	400.0	sacks	12.	2.18	12.31	2.0	12.31
12.308 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	1.5	Shut In: Instant		Lost Returns	NO	Cement Slurry	144	Pad	32
Top Of Cement	SURFACE	5 Min		Cement Returns	20BBL	Actual Displacement	1.5	Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	177.5
Rates									
Circulating		Mixing	2	Displacement	2	Avg. Job			2
Cement Left In Pipe	Amount	0 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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Customer: PDC ENERGY EBUS				Customer Rep:			
Well Name: Trinity			Well #: 44-7		API/UWI #: 05-123-22974		
Field: Wattenberg		City (SAP): GILL		County/Parish: Weld		State: Colorado	
Legal Description:							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor:			Rig/Platform Name/Num:				
Job Purpose: Recement Service					Ticket Amount:		
Well Type: Development Well			Job Type: Recement Service				
Sales Person: FLING, MATTHEW			Srvc Supervisor: ROSALES, MATTHEW/MBU ID Emp #: 392095				

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	04/11/2012 09:13							
Test Lines	04/11/2012 09:15		0.5	0.5			3500.0	
Pump Spacer 1	04/11/2012 09:18		2	10			1700.0	CLAYWEBB WATER
Pump Spacer 2	04/11/2012 09:23		2	12			1500.0	MUD FLUSH
Pump Spacer 1	04/11/2012 09:29		2	10			1500.0	CLAYWEBB WATER
Pump Cement	04/11/2012 09:34		2	144			1900.0	400SKS, 872CUFT, 2.18CUFT/SK, 12.34GAL/SK, 12#/GAL MIXED WITH WATER PROVIDED BY PDC WATER TRUCKS
Pump Displacement	04/11/2012 10:59		1.5	1.5			1600.0	GOOD RETURNS THROUGHT OUT JOB, 20BBL CEMENT TO SURFACE
End Job	04/11/2012 11:00							

PDC - Trinity 44-7

Re-Cement

