

## The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2877387	Quote #:	Sales Order #: 8458775
Customer: PDC ENERGY EBUS		Customer Rep:	
Well Name: Cervi	Well #: 11-10	API/UWI #: 05-123-23370	
Field:	City (SAP): ROGGEN	County/Parish: Weld	State: Colorado
Lat: N 40.246 deg. OR N 40 deg. 14 min. 46.896 secs.		Long: W 104.431 deg. OR W -105 deg. 34 min. 10.2 secs.	
Job Purpose: Plug to Abandon Service			
Well Type: Development Well		Job Type: Plug to Abandon Service	
Sales Person: FLING, MATTHEW		Srv Supervisor: HUGHES, ERVIN	MBU ID Emp #: 100271

  

Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
BARNES, BRIAN L	6.0	485204	HUGHES, ERVIN Wayne	6.0	100271	MILLER, GEOFFREY Alan	6.0
SANSONI, NICHOLAS Sterling J	6.0	502962					

  

Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10988836C	55 mile	11488570C	55 mile	11527037	55 mile	11605599	55 mile

  

Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
09-09-11	6.0	3.5					
TOTAL							

Total is the sum of each column separately

  

Job Times							
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type							
Job depth MD	5600. ft	BHST	Job Depth TVD	5600. ft	09 - Sep - 2011	06:00	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	09 - Sep - 2011	11:00	MST
Perforation Depth (MD)	From	To		Departed Loc	09 - Sep - 2011	11:45	MST

  

Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Production Casing	Unknown		4.5	4.052	10.5		J-55
Surface Casing	Unknown		8.625	8.097	24.		J-55

  

Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							

  

Miscellaneous Materials							
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

  

Fluid Data							
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk

# HALLIBURTON

## Cementing Job Summary

Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name		Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk			
1	ClayFix III Water Spacer			10.00	bbl	8.33	.0	.0	2.0				
2	Premium G 15.8#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)		350.0	sacks	15.8	1.15	4.99	2.0	4.99			
94 lbm				CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)									
4.99 Gal				FRESH WATER									
Calculated Values		Pressures		Volumes									
Displacement	19 bbl	Shut In: Instant		Lost Returns		Cement Slurry	71 bbl	Pad		1 bbl			
Top Of Cement	Surface	5 Min		Cement Returns	10 bbl	Actual Displacement	19 bbl	Treatment					
Frac Gradient		15 Min		Spacers	15 bbl	Load and Breakdown		Total Job	101 bbl				
Rates													
Circulating	3	Mixing		3	Displacement	3	Avg. Job		3				
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									