

# HALLIBURTON

## Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2876315	Quote #:	Sales Order #: 8445189
Customer: PDC ENERGY EBUS		Customer Rep:	
Well Name: Cervi	City (SAP): KERSEY	Well #: 41-4	API/UMI #: 05-123-23369
Field:	County/Parish: Weld	State: Colorado	
Job Purpose: Plug to Abandon Service		Job Type: Plug to Abandon Service	
Well Type: Development Well		Srcv Supervisor: SNYDER, JONATHAN	
Sales Person: FLING, MATTHEW		MIBU ID Emp #: 435616	

  

Job Personnel									
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	Emp #
FLYNN, SHAD	1.5	476484	LAVALLEY, LARRY P	1.5	419296	MCKAY, ADAM	1.5	498395	
MICHAEL									
OTERI, VAUGHN	1.5	443828	RAMOS, REFUGIO	1.5	435413	SNYDER, JONATHAN	1.5	435616	
Sleeves			Castro			Leroy			

  

Equipment									
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11036298	45 mile	1148670C	45 mile	11518549	45 mile				

  

Job Hours									
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Operating Hours
9/2/2011	2	.5							
TOTAL									

Total is the sum of each column separately

  

Job Times									
Formation Name	Top	Bottom	Called Out	02 - Sep - 2011	04:00	Time	Time Zone		
Formation Depth (MD)									
Form Type		BHST	On Location	02 - Sep - 2011	09:00		CST		
Job depth MD	600. ft	Job Depth TVD	600. ft	Job Started	02 - Sep - 2011	09:34	CST		
Water Depth		Wk Ht Above Floor		Job Completed	02 - Sep - 2011	10:02	CST		
Perforation Depth (MD)	From	To		Departed Loc	02 - Sep - 2011	10:30	CST		

  

Well Data											
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MID ft	Bottom MID ft	Top TVD ft	Bottom TVD ft
Production Casing	Unknown		4.5	4.052	10.5		J-55			6920.	
Surface Casing	Unknown		8.625	8.097	24.		J-55		592.		

  

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									
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

  

Stage/Plug #: 1									
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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	Clay/Fix III Water Spacer			0.00	bbl	8.33	.0	.0	2.0			
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)		0.00	bbl	8.4	.0	.0	2.0			
3	Caly/Fix III Water Spacer			0.00	bbl	8.33	.0	.0	2.0			
		59.525 gal/Mgal CLAYFIX 3, TOTETANK (101583425)										
4	Premium G 15.8#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	225	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	1	Shut In: Instant		Lost Returns	0	Cement Slurry	46	Pad				
Top Of Cement		5 Min		Cement Returns	7	Actual Displacement	1	Treatment				
Frac Gradient		15 Min		Spacers	7	Load and Breakdown		Total Job	54			
Rates												
Circulating		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								