

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 304535		Ship To #: 2858454		Quote #:		Sales Order #: 8230060	
Customer: PDC ENERGY EBUS				Customer Rep: LeFleur, Tom			
Well Name: Wells Ranch		Well #: 24-33		API/UVI #: 05-123-22233			
Field:		City (SAP): KERSEY		County/Parish: Weld		State: Colorado	
Job Purpose: Recement Service				Job Type: Recement Service			
Well Type: Development Well				Srv Supervisor: WHEELER, JUSTIN			
Sales Person: FLING, MATTHEW				MBU ID Emp #: 196470			
Job Personnel							
HES Emp Name		Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	Exp Hrs
IOERGER, TODD A		3.5	488941	KUNERT, RANDY Joe	3.5	477850	WHEELER, JUSTIN W
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	55 mile	10948694	55 mile	11542778	55 mile	11700166	55 mile
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
6-7-11	3.5	2.5					
TOTAL							
Total is the sum of each column separately							
Job				Job Times			
Formation Name		Formation Depth (MD)		Top	Bottom	Date	
						Called Out	07 - Jun - 2011
Form Type				BHST		On Location	07 - Jun - 2011
Job depth MD		2350. ft		Job Depth TVD	2350. ft	Job Started	07 - Jun - 2011
Water Depth				Wk Ht Above Floor		Job Completed	07 - Jun - 2011
Perforation Depth (MD)		From		To		Departed Loc	07 - Jun - 2011
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Open Hole				9.			J-55
Production Casing	Unknown		4.5	4.052	10.5		J-55
Surface Casing	Unknown		8.625	8.097	24.		J-55
TUBING	Unknown		1.25	.671	3.02		
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
Treatment Fld			Conc		Inhibitor		Conc
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
Stage/Plug #: 1							

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	ClayFix III			10	bbl	8.33	.0	.0	2.0				
2	Water Spacer												
2	MUD FLUSH III		MUD FLUSH III - SBM (528788)	12	bbl	8.4	.0	.0	2.0				
3	CalyFix III			10	bbl	8.33	.0	.0	2.0				
	Water Spacer												
59.525 gal/Mgal		CLAYFIX 3, TOTETANK (101583425)											
4	Varicem B1 12#		VARICEM (TM) CEMENT (452009)	210	sacks	12.	2.18	12.34	2.0	12.34			
12.34 Gal		FRESH WATER											
5	Varicem 13#		VARICEM (TM) CEMENT (452009)	150	sacks	13.	1.71	8.84	2.0	8.84			
8.84 Gal		FRESH WATER											
Calculated Values		Pressures		Volumes									
Displacement	1.25 / 1	Shut In: Instant	Lost Returns	No	Cement Slurry	127.2	Pad						
Top Of Cement	Surface	5 Min	Cement Returns	7 bbls	Actual Displacement	1.25 / 1	Treatment						
Frac Gradient		15 Min	Spacers	Load and Breakdown	Total Job								
Rates													
Circulating		Mixing		Displacement		Avg. Job							
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: LeFleur, Tom				
Well Name: Wells Ranch		Well #: 24-33		API/UWI #: 05-123-22233				
Field:		City (SAP): KERSEY	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:		Ticket Amount:				
Job Purpose: Recement Service		Job Type: Recement Service						
Well Type: Development Well		Srv Supervisor: WHEELER, JUSTIN		MBU ID Emp #: 196470				
Sales Person: FLING, MATTHEW								
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart from Service Center or Other Site	06/07/2011 06:00							
Arrive At Loc	06/07/2011 08:00							
Safety Meeting - Pre Rig-Up	06/07/2011 08:10							
Test Lines	06/07/2011 08:40							Pressure Test Lines, Tubing Set @ 2300'
Pump Spacer	06/07/2011 08:43		2	10		1495.0		Pump Clayfix Water
Pump Spacer	06/07/2011 08:48		2.5	12		1815.0		Pump Mud Flush
Pump Spacer	06/07/2011 08:53		2.5	10		1770.0		Pump Clayfix Water
Pump Cement	06/07/2011 08:58		2.5	81.5		1820.0		Mix and Pump 210 sks VarCem Cement @ 12 lb/gal
Pump Displacement	06/07/2011 09:35		2.5	1.25		2100.0		Pump Fresh Water Displacement
Shutdown	06/07/2011 09:36							
Other	06/07/2011 09:39							POOH to 1018'
Pump Cement	06/07/2011 10:07		2	45.7		645.0		Mix and Pump 150 sks VarCem Cement @ 13 lb/gal
Cement Returns to Surface	06/07/2011 10:22							Returned 7 bbls Cement to Surface
Pump Displacement	06/07/2011 10:25		1.5	1		490.0		Pump Fresh Water Displacement
Shutdown	06/07/2011 10:27							
End Job	06/07/2011 10:28							

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SUMMIT Version: 7.20.130

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