

Fluid Data										
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 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	CalyFix III Water Spacer		10.00	bbl	8.33	.0	.0	2.0		
59.525 gal/Mgal		CLAYFIX 3, TOTETANK (101583425)								
4	Varicem 12#	VARICEM (TM) CEMENT (452009)	205.0	sacks	12.	2.18	12.34	2.0	12.34	
12.34 Gal		FRESH WATER								
5	Varicem 13#	VARICEM (TM) CEMENT (452009)	170.0	sacks	13.	1.71	8.84		8.84	
8.84 Gal		FRESH WATER								
Calculated Values			Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns 25		Actual Displacement		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						

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2885556	Quote #:	Sales Order #: 8558890
Customer: PDC ENERGY EBUS	Customer Rep:		
Well Name: Wells Ranch	Well #: 41-30	API/UWI #: 05-123-22724	
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:		
Job Purpose: Recement Service			Ticket Amount:
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srvc Supervisor: SALINAS, JOSE	MBU ID Emp #: 100319	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	10/19/2011 11:45							
Pre-Rig Up Safety Meeting	10/19/2011 11:50							
Rig-Up Equipment	10/19/2011 12:00							
Pre-Job Safety Meeting	10/19/2011 12:30							
Test Lines	10/19/2011 12:46		2	2			3500.0	TEST LINES
Pump Spacer	10/19/2011 12:49		2	10			10.0	PUMP CLAYFIX WATER SPACER
Pump Spacer	10/19/2011 12:50		2	12			36.0	PUMP MUDFLUSH SPACER
Pump Spacer	10/19/2011 12:56		2	10			1332.0	PUMP CLAYFIX WATER SPACER
Pump Cement	10/19/2011 13:02		2	50			1295.0	PUMP 205 SKS OF VARICEM @ 12 PPG (80 BBLS)
Shutdown	10/19/2011 13:28		0	0			.0	SHUT DOWN
Pump Displacement	10/19/2011 13:34		1	1.5			987.0	PUMP 1.5 BBL DISPLACEMENT
Other	10/19/2011 13:35		0	0			.0	PULL 10 JOINTS OUT
Pump Cement	10/19/2011 13:47		2	30			1298.0	PIUMP VARICEM CMT @ 12.0 PPG 30 BBLS
Pump Displacement	10/19/2011 14:04		2	1.5			748.0	PUMP DISPLACEMENT
Other	10/19/2011 14:05		0	0			.0	PULL 30 JOINT OUT
Pump Cement	10/19/2011 14:24		2	55			987.0	PUMP 170 SKS OF VARICEM @ 13.0 PPG
Pump Displacement	10/19/2011 14:54		1	1.5			953.0	PUMP DISPLACEMENT

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	10/19/2011 14:59		0	0			.0	SHUT DOWN GOT 25 BBL CMT RETURNS
Other	10/19/2011 15:01							WASH UP EQUIPMENT
Pre-Rig Down Safety Meeting	10/19/2011 15:30							
Rig-Down Equipment	10/19/2011 15:45							
Depart Location Safety Meeting	10/19/2011 16:15							
Depart Location for Service Center or Other Site	10/19/2011 16:30							