

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	MUD FLUSH III	MUD FLUSH III - SBM (528788)	12.00	bbl	8.4	.0	.0	2.0	
3	CalFix III Water Spacer		10.00	bbl	8.33	.0	.0	2.0	
59.525 gal/Mgal			CLAYFIX 3, TOTETANK (101583425)						
4	Varicem 12.0#	VARICEM (TM) CEMENT (452009)	245.0	sacks	12.	2.18	12.34	2.0	12.34
12.34 Gal			FRESH WATER						
5	Varicem 13#	VARICEM (TM) CEMENT (452009)	185.0	sacks	13.	1.71	8.84	2.0	8.84
8.84 Gal			FRESH WATER						
Calculated Values			Pressures			Volumes			
Displacement		Shut In: Instant	Lost Returns	NO	Cement Slurry	150	Pad		
Top Of Cement	SURFACE	5 Min	Cement Returns	8	Actual Displacement		Treatment		
Frac Gradient		15 Min	Spacers	32	Load and Breakdown		Total Job		
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	ID	
The Information Stated Herein is Correct				Customer Representative Signature					

*The Road to Excellence Starts with Safety*

Sold To #: 304535		Ship To #: 2888384		Quote #:		Sales Order #: 9031635	
Customer: PDC ENERGY EBUS				Customer Rep: ALVARADO, PHILIP			
Well Name: Northern Prop		Well #: 14-29		API/UWI #: 05-123-22333			
Field:		City (SAP): EATON		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		Srv Supervisor: FANTASIA, JOSEPH		MBU ID Emp #: 485445			

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments
Arrive at Location from Service Center	11/02/2011 11:30					
Assessment Of Location Safety Meeting	11/02/2011 11:40					
Test Lines	11/02/2011 12:41					PRESSURE TEST TO 3500 PSI AND HELD FOR 1 MIN. TEST GOOD
Pump Spacer 1	11/02/2011 12:42	2	10	10	1300.0	10 BBL WATER WITH CLAYFIX III ADDED
Pump Spacer 2	11/02/2011 12:48	2	12	22	1380.0	12 BBLS MUDFLUSH
Pump Spacer 1	11/02/2011 12:53	2	10	32	1400.0	10 BBLS WATER WITH CLAYFIX III ADDED
Pump Lead Cement	11/02/2011 12:58	2	95	127	1488.0	245 SKS VARICEM MIXED AT 12 PPg USING SUPPLIED WATER
Pump Displacement	11/02/2011 13:45	2	1.5	128.5	1600.0	DISPLACED 1.5 BBLS WATER.
Shutdown	11/02/2011 13:47					RIG PULLED 49 JOINTS OR 1600 FT.
Pump Tail Cement	11/02/2011 14:21	2	56	184.5	1000.0	185 SKS VARICEM MIXED AT 13 PPg USING SUPPLIED WATER. CEMENT TO SURFACE AT 51 BBLS AWAY AND PUMPED A TOTAL OF 59BBLs.
Pump Displacement	11/02/2011 14:51	0.5	0.5	185	700.0	DISPLACED 1/2 BBL USING SUPPLIED WATER.
End Job	11/02/2011 14:52					