

HALLIBURTON

Cementing Job Summary

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	CalFix 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)	356	sacks	12.	2.18	12.34	2.0	12.34			
12.34 Gal		FRESH WATER										
Calculated Values			Pressures			Volumes						
Displacement		Shut In: Instant	Lost Returns	NO	Cement Slurry	138	Pad					
Top Of Cement	SURFACE	5 Min	Cement Returns	8BBL	Actual Displacement	2	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					
The Information Stated Herein Is Correct				Customer Representative Signature								

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2895534	Quote #:	Sales Order #: 9118746
Customer: PDC ENERGY EBUS		Customer Rep:	
Well Name: Unrich	Well #: 23-29	API/UWI #: 05-123-20236	
Field: Wattenberg	City (SAP): GREELEY	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	Svc Supervisor: ROSALES, MATTHEW		
Sales Person: FLING, MATTHEW	MBU ID Emp #: 392095		

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments	
				Stage	Total	Tubing	
						Casing	
Arrive At Loc	12/08/2011 06:30						WAIT ON RIG
Test Lines	12/08/2011 08:11		0.5	0.5			3500.0
Start Job	12/08/2011 08:11						
Pump Spacer 1	12/08/2011 08:13		2	10			1700.0
Pump Spacer 2	12/08/2011 08:20		2	12			1250.0
Pump Spacer 1	12/08/2011 08:28		2	10			1200.0
Pump Cement	12/08/2011 08:34		2	95			1875.0
							245SKS, 534.1CUFT, 2.18CUFT/SK, 12.34GAL/SK, 12#GAL, MIXED WITH WATER PROVIDED BY PDC
Pump Displacement	12/08/2011 09:25		2	1.5			1800.0
Shutdown	12/08/2011 09:26						PULL TUBING TO 1500'
Pump Cement	12/08/2011 09:56		2	43			1400.0
							111SKS, 242CUFT, 2.18CUFT/SK, 12.34GAL/SK, 12#GAL, MIXED WITH WATER PROVIDED BY PDC
Pump Displacement	12/08/2011 10:19		0.5	0.5			1100.0
End Job	12/08/2011 10:20						
Depart Location for Service Center or Other Site	12/08/2011 11:30						

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SUMMIT Version: 7.2.27

Thursday, December 08, 2011 10:39:00