

### The Road to Excellence Starts with Safety

Sold To #: 304535		Ship To #: 2910919		Quote #:		Sales Order #: 9306464	
Customer: PDC ENERGY EBUS				Customer Rep:			
Well Name: Erickson		Well #: 24-4		API/UWI #: 05-123-22573			
Field: Wattenberg		City (SAP): GREELEY		County/Parish: Weld		State: Colorado	
Job Purpose: Recement Service		Job Type: Recement Service		Srv Supervisor: SALINAS, JOSE		MBU ID Emp #: 100319	
Well Type: Development Well		Job Type: Recement Service					
Sales Person: FLING, MATTHEW		Srv Supervisor: SALINAS, JOSE		MBU ID Emp #: 100319			
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
Bartosek, Kevin	4.0	516167	HOLLOWAY, DUSTIN	4.0	504032	OTERI, VAUGHN	4.0
SALINAS, JOSE R	4.0	100319	Craig			Steeves	443828
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10804557C	50 mile	11605597	50 mile	11633848	50 mile	11667703C	50 mile
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
2-23-12	4	2					
TOTAL		Total is the sum of each column separately					
Job							
Formation Name				Job Times			
Formation Depth (MD)	Top	Bottom		Called Out	23 - Feb - 2012	02:00	MST
Form Type		BHST		On Location	23 - Feb - 2012	05:30	MST
Job depth MD	2250. ft	Job Depth TVD	2250. ft	Job Started	23 - Feb - 2012	07:00	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	23 - Feb - 2012	08:50	MST
Perforation Depth (MD)	From	To		Departed Loc	23 - Feb - 2012	10:00	MST
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Open Hole				12.			
Production Casing	Used		4.5	4.052	10.5		J-55
Surface Casing	Used		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		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
Treatment Fld		Conc		Inhibitor		Conc	Sand Type
						Conc	Qty
							Conc
							%

Stage/Plug #: 1			Fluid Data									
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	ClayWeb Water Spacer	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	ClayWeb Water Spacer	WATER SPACER	10.00	bbl	8.33	.0	.0	2.0				
59.525 gal/Mgal			CLA-WEB - TOTE (101985045)									
4	Surface Varicem 12#	VARICEM (TM) CEMENT (452009)	345.0	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		Cement Slurry		Pad					
Top Of Cement		5 Min	Cement Returns		Actual Displacement		Treatment					
Frac Gradient		15 Min	Spacers		Load and Breakdown		Total Job					
Circulating			Rates									
Cement Left In Pipe	Mixing	Amount	0 ft	Reason	Shoe Joint	Displacement		Avg. Job				
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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<b>Customer:</b> PDC ENERGY EBUS				<b>Customer Rep:</b>			
<b>Well Name:</b> Erickson		<b>Well #:</b> 24-4		<b>API/UWI #:</b> 05-123-22573		<b>State:</b> Colorado	
<b>Field:</b> Wattenberg		<b>City (SAP):</b> GREELEY		<b>County/Parish:</b> Weld			
<b>Legal Description:</b>							
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.				<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.			
<b>Contractor:</b>				<b>Rig/Platform Name/Num:</b>			
<b>Job Purpose:</b> Recement Service				<b>Ticket Amount:</b>			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Recement Service					
<b>Sales Person:</b> FLING, MATTHEW		<b>Svc Supervisor:</b> SALINAS, JOSE		<b>MBU ID Emp #:</b> 100319			

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/23/2012							
	02:00							
Depart Yard Safety Meeting	02/23/2012							
	04:00							
Arrive at Location from Service Center	02/23/2012							
	05:30							
Pre-Rig Up Safety Meeting	02/23/2012							
	06:30							
Rig-Up Equipment	02/23/2012							
	06:45							
Pre-Job Safety Meeting	02/23/2012							
	06:50							
Test Lines	02/23/2012							
	07:11		2	2				TEST LINES WITH WATER
Pump Spacer 1	02/23/2012							
	07:12		2	10				PUMP CLAYFIX WATER SPACER @ 8.33 PPG
Pump Spacer 2	02/23/2012							
	07:18		2	12				PUMP MUD FLUSD SPACER @ 8.4 PPG
Pump Spacer 1	02/23/2012							
	07:25		2	10				PUMP CLAYFIX WATER SPACER @ 8.3 PPG
Pump Lead Cement	02/23/2012							
	07:30		2	134				PUMP LEAD CMT EXPANDACEM (133.9 BBL) @ 12.0 PPG
Pump Displacement	02/23/2012							
	08:46		1	1				PUMP WATER DISPLACEMENT
Shutdown	02/23/2012							
	08:47		0	0				SHUT DOWN / GOT 39 BBLs CMT RETURNS
Bleeding Tubing Or Casing	02/23/2012							
	08:48		0	0				BLEED OFF PSI
Pre-Rig Down Safety Meeting	02/23/2012							
	08:50							
Rig-Down Equipment	02/23/2012							
	09:00							

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SUMMIT Version: 7.3.014

Thursday, February 23, 2012 09:02:00



Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart Location Safety Meeting	02/23/2012 09:50							
Depart Location for Service Center or Other Site	02/23/2012 10:00							

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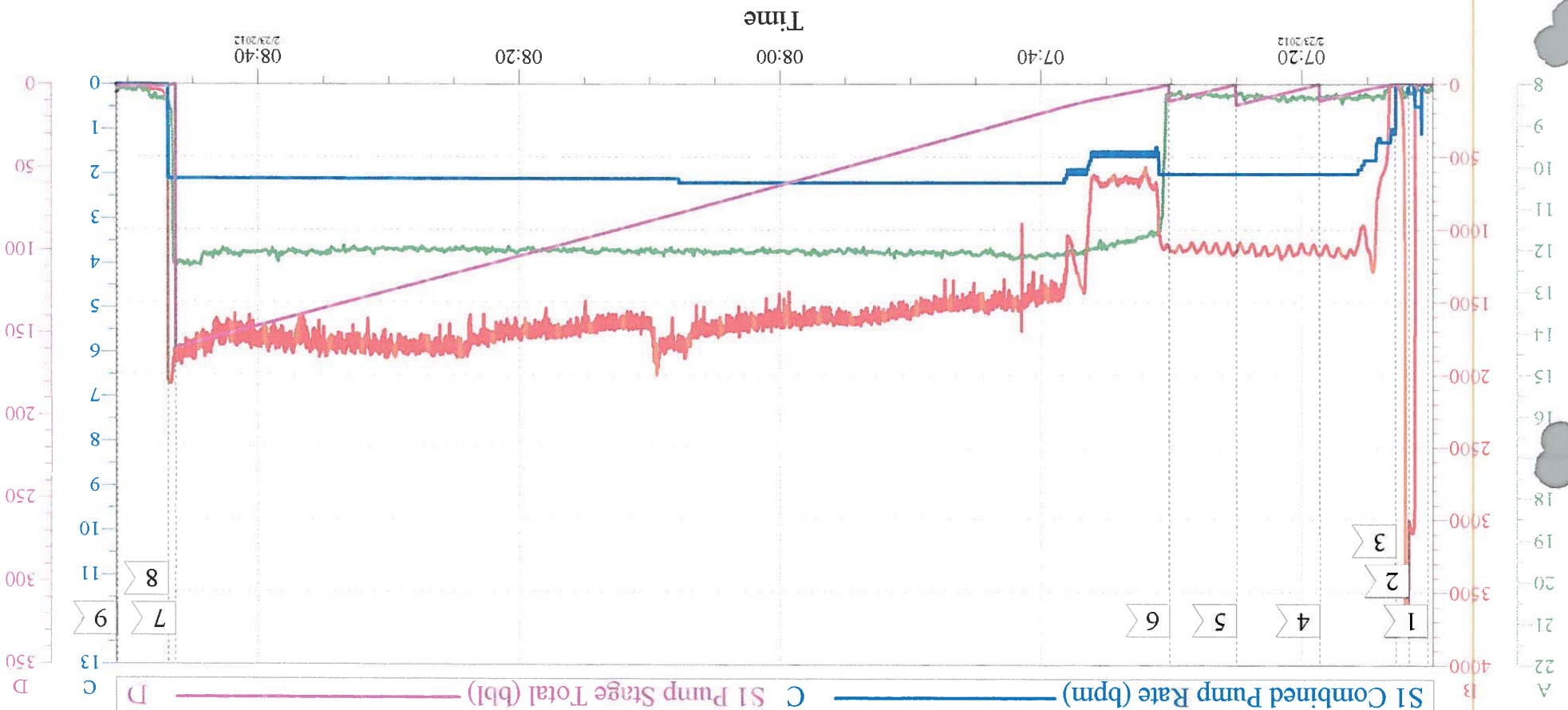
9306464

SUMMIT Version: 7.3.014

Thursday, February 23, 2012 09:02:00

**PDC ENERGY**  
**ERICKSON 24-4 RECEMENT**  
**SO# 9306363**

— A — SI Downhole Density (lb/gal)  
— B — SI Pass-Side Pump Pressure (psi)  
— C — SI Combined Pump Rate (bpm)  
— D — SI Pump Stage Total (bbl)



1	Start Job	07:10:24	0.000	2	Test Lines	07:11:51	3406	3	Pump Spacer 1	07:12:52	7.000	SPP
4	Pump Spacer 2	07:18:40	1172	5	Pump Spacer 1	07:25:03	1156	6	Pump Cement	07:30:11	1122	Intersection
7	Pump Displacement	08:46:21	1914	8	Shutdown	08:46:54	500.3	9	End Job	08:50:47	2.000	SPP

**Global Event Log**

Customer:	Job Date:	23-Feb-2012	Sales Order #:	9306464	ADC Used:	File #:	Company Rep:	Well Description:	Job Type:	Cement Supervisor:
HALIBURTON	OptiCem v6.4.9	23-Feb-12 08:51								