

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2530487	Quote #:	Sales Order #: 9322345
Customer: PDC ENERGY EBUS	Customer Rep: SAILORS, CHAD		
Well Name: Hungenberg	Well #: 14-33	API/UWI #: 05-123-23623	
Field: Wattenberg	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srv Supervisor: LINEBARGER, JOSHUA	MBU ID Emp #: 419614	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LINEBARGER, JOSHUA W	4.5	419614	STOEGER, KEITH A	4.5	486734	THOMPSON, STEVEN Darrin	4.5	445340

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10988836C	45 mile	11542778	45 mile	11566182	45 mile	11606994	45 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/29/12	4.5	2						

TOTAL	Total is the sum of each column separately							
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Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD) Top		Bottom		Called Out	29 - Feb - 2012	03:00	MST
Form Type	BHST			On Location	29 - Feb - 2012	06:00	MST
Job depth MD	2450. ft	Job Depth TVD	2450. ft	Job Started	29 - Feb - 2012	07:30	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	29 - Feb - 2012	09:23	MST
Perforation Depth (MD) From		To		Departed Loc	29 - Feb - 2012	10:30	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				12.				449.	2500.		
Production Casing	Used		4.5	4.052	10.5		J-55	.	8450.		
Surface Casing	Used		8.625	8.097	24.		J-55	.	449.		
TUBING	Unknown		1.25	.671	3.02			.	2450.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
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		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbf/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		

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	ClayWeb 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		10.00	bbl	8.33	.0	.0	2.0		
59.525 gal/Mgal		CLA-WEB - TOTE (101985045)								
4	Varicem 12#	VARICEM (TM) CEMENT (452009)	325.0	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		
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						

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Well Name: Hungenberg		Well #: 14-33		API/UWI #: 05-123-23623			
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:					
Job Purpose: Recement Service						Ticket Amount:	
Well Type: Development Well		Job Type: Recement Service					
Sales Person: FLING, MATTHEW		Srcv Supervisor: LINEBARGER, JOSHUA			MBU ID Emp #: 419614		

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Safety Huddle	02/29/2012 04:45							PRE-TRIP SAFETY HUDDLE
Depart from Service Center or Other Site	02/29/2012 05:00							LEFT YARD HEADING FOR RIG
Arrive At Loc	02/29/2012 06:00							ARRIVE ON LOCATION
Safety Huddle	02/29/2012 06:05							HELD RIG UP SAFETY MEETING
Rig-Up Equipment	02/29/2012 06:15							SPOTTED AND RIGGED UP EQUIPMENT
Safety Huddle	02/29/2012 07:20							HELD PRE-JOB SAFETY MEETING
Pump Water	02/29/2012 07:31		1	1		700.0		PUMPED 1bbl OF H2O TO FILL LINES
Pressure Test	02/29/2012 07:32							PRESSURE TESTED LINES TO 3500psi
Pump Spacer	02/29/2012 07:35		2	10		1530.0		PUMPED 10bbbls OF CLAYWEB WATER
Pump Spacer	02/29/2012 07:41		2	12		1300.0		PUMPED 12bbbls OF MUDFLUSH
Pump Spacer	02/29/2012 07:47		2	10		1300.0		PUMPED 10bbbls OF CLAYWEB WATER
Pump Cement	02/29/2012 07:52		2	44		1700.0		PUMPED 44bbbls (114sks) OF 12ppg CEMENT
Shutdown	02/29/2012 08:14							SHUTDOWN TO PULL 20 STANDS (PIPE GOT STUCK)
Pump Displacement	02/29/2012 08:17		1	1.5		370.0		PUMPED 1.5bbbls OF WATER DISPLACEMENT
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

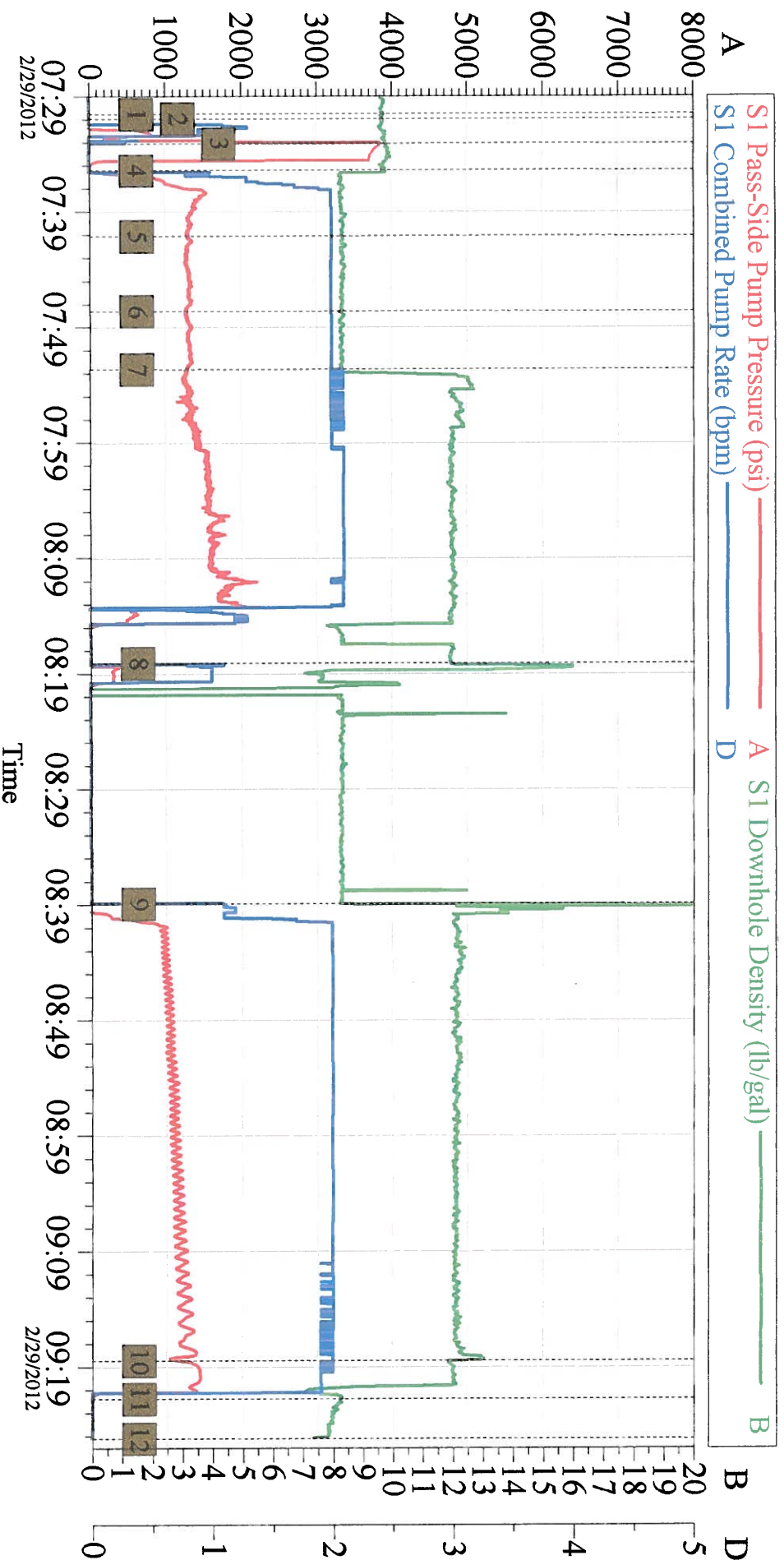
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Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Pump Cement	02/29/2012 08:38		2	82		1300. 0		PUMPED 82 bbls (212sks) OF 12ppg CEMENT
Pump Displacement	02/29/2012 09:20		2	1.5		1300. 0		PUMPED 1.5bbls OF WATER DISPLACEMENT
Shutdown	02/29/2012 09:22							SHUTDOWN PUMPING
End Job	02/29/2012 09:23							END JOB
Safety Huddle	02/29/2012 09:25							HELD RIG DOWN SAFETY MEETING
Rig-Down Equipment	02/29/2012 09:30							RIGGED DOWN EQUIPMENT
Safety Huddle	02/29/2012 10:20							HELD PRE-TRIP SAFETY MEETING
Depart Location for Service Center or Other Site	02/29/2012 10:30							LEFT LOCATION FOR THE YARD

PDC ENERGY - HUNGENDERG #14-33 RECEMENT SERVICE



Customer:
Well Description:

Job Date: 29-Feb-2012
UWI:

Sales Order #: 9322345