

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2918595	Quote #:	Sales Order #: 9400269
Customer: PDC ENERGY EBUS	Customer Rep: SAILORS, CHAD		
Well Name: Waste Management	Well #: 12-26A	API/UWI #: 05-123-25206	
Field: WATTENBERG	City (SAP): HUDSON	County/Parish: Weld	State: Colorado
Lat: N 40.2 deg. OR N 40 deg. 11 min. 58.812 secs.	Long: W 104.524 deg. OR W -105 deg. 28 min. 34.608 secs.		
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srv Supervisor: SNYDER, JONATHAN	MBU ID Emp #: 435616	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DIRKS, RICHARD E	5.0	485940	JEWELL, WILLIAM Uris	5.0	503358	SNYDER, JONATHAN Leroy	5.0	435616
WILEY, JAMES A	5.0	440080						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	35 mile	10982754C	35 mile	11362287C	35 mile	11518548	35 mile
11764054C	35 mile	11764737	35 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3/30/2012	5	3						
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	3986. ft	3971. ft						30 - Mar - 2012	04:00	MST
											On Location	30 - Mar - 2012	07:00	MST
											Job Started	30 - Mar - 2012	08:19	MST
											Job Completed	30 - Mar - 2012	11:06	MST
											Departed Loc	30 - Mar - 2012	12:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				12.				754.	7595.		
Production Casing	Used		4.5	4.052	10.5		J-55		7569.		
Surface Casing	Used		8.625	8.097	24.		J-55		754.		
TUBING	Used		1.25	.671	3.02				3971.		

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 lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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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)	480.0	sacks	12.	2.18	12.34	2.0	12.34
12.34 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	3	Shut In: Instant		Lost Returns		Cement Slurry	184	Pad	
Top Of Cement	0	5 Min		Cement Returns	6	Actual Displacement	3	Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	
Rates									
Circulating	2	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 @
The Information Stated Herein Is Correct				Customer Representative Signature					

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Well Name: Waste Management			Well #: 12-26A		API/UWI #: 05-123-25206		
Field: WATTENBERG		City (SAP): HUDSON		County/Parish: Weld		State: Colorado	
Legal Description:							
Lat: N 40.2 deg. OR N 40 deg. 11 min. 58.812 secs.				Long: W 104.524 deg. OR W -105 deg. 28 min. 34.608 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: SNYDER, JONATHAN			MBU ID Emp #: 435616	

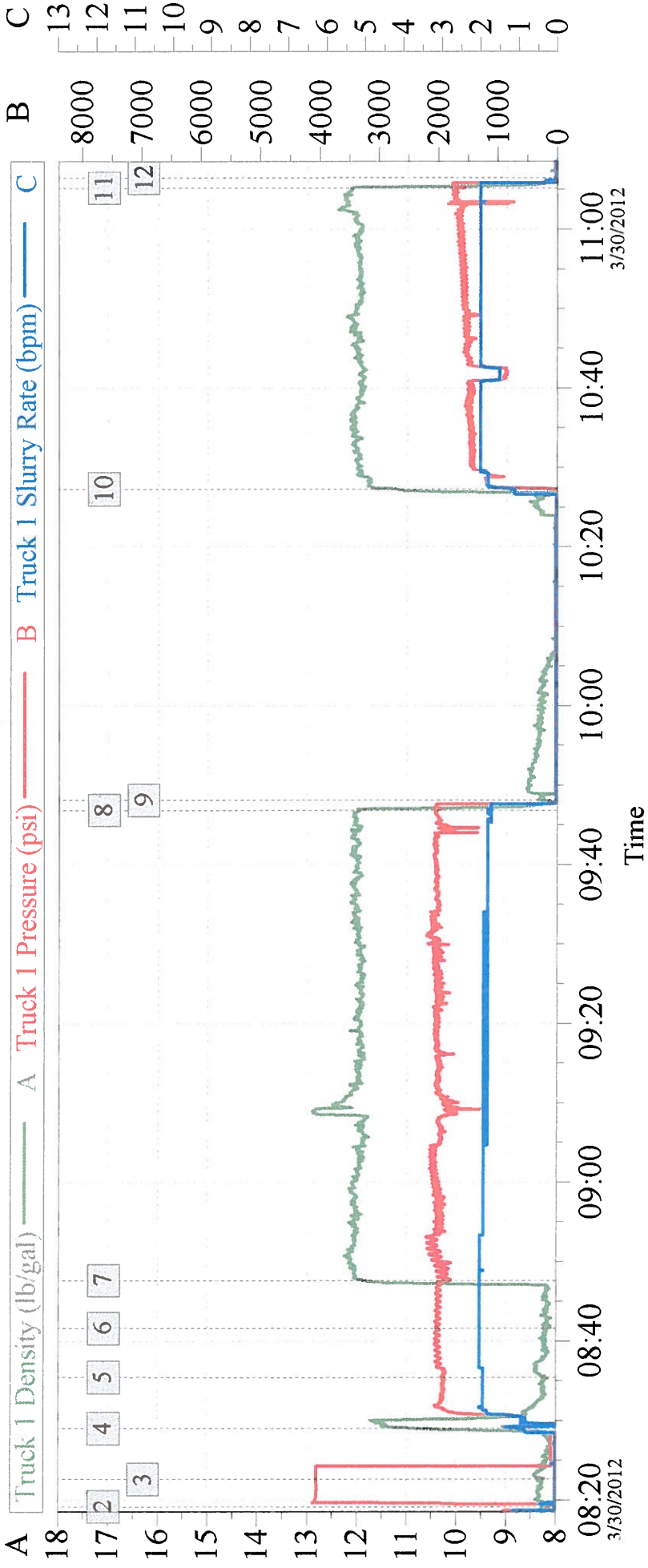
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	03/30/2012 07:00							ARRIVED AND CONDUCTED A HAZARD HUNT AND FOUND NO HAZARDS THAT CONFLICT WITH US RIGGING UP EQUIPMENT.
Pre-Job Safety Meeting	03/30/2012 08:00							HELD SAFETY MEETING WITH ALL EMPLOYEES AND ALL THIRD PARTY PERSONEL PRIOR TO PUMPING THE CEMENT JOB.
Start Job	03/30/2012 08:19							
Test Lines	03/30/2012 08:22							PRESSURE TEST LINES TO 4036 PSI
Pump Spacer 1	03/30/2012 08:29		2	10			1935.0	RIG WATER MIXED W/ CLAY WEB
Pump Spacer 2	03/30/2012 08:35		2	12			1965.0	RIG WATER MIXED W/ MUDFLUSH III
Pump Spacer 1	03/30/2012 08:41		2	10			1895.0	RIG WATER MIXED W/ CLAY WEB
Pump Cement	03/30/2012 08:47		2	112			1985.0	290 SKS SURFACE VARICEM B1 MIXED @ 12 PPG W/ RIG WATER
Pump Displacement	03/30/2012 09:46		2	1.5			2029.0	W/ RIG WATER
Shutdown	03/30/2012 09:48							SHUTDOWN WHILE RIG CREW PULLED 55 JOINTS OUT OF THE HOLE.
Pump Cement	03/30/2012 10:27		2	72			1556.0	290 SKS SURFACE VARICEM B1 MIXED @ 12 PPG W/ RIG WATER

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	03/30/2012 11:05		2	1.5			1745. 0	W/ RIG WATER
End Job	03/30/2012 11:06							
Pre-Rig Down Safety Meeting	03/30/2012 11:15							HELD SAFETY MEETING WITH ALL EMPLOYEES PRIOR TO RIGGING DOWN AND DISCUSSED ALL HAZARDS WHILE RIGGING DOWN EQUIPMENT.
Depart Location for Service Center or Other Site	03/30/2012 12:00							HELD SAFETY MEETING PRIOR TO LEAVING LOCATION AND DISCUSSED ALL POTENTIAL HAZARDS WHILE DRIVING BACK TO THE SERVICE CENTER.

PDC WASTE MANAGEMENT 12-26A

SO# 9400269 4.5" RE-CEMENT



Global Event Log				
Intersection	TID	TIP	TID	TIP
1 Starting Job	07:53:35	3,390	08:19:10	8,213 98.27
3 Test Lines	08:22:37	8,258	08:29:00	10,82 584.4
5 Pump Spacer 2	08:35:24	8,200	08:41:35	8,222 2001
7 Pump Cement	08:47:37	11,83	09:46:52	11,97 2042
9 Shutdown	09:48:06	8,244	10:27:17	11,23 22.76
11 Pump Displacement	11:05:11	12,11	11:06:28	7,918 34.81
13 Ending Job	11:09:34	-0.390		26.00

Customer:	PDC	Job Date:	30-Mar-2012	Sales Order #:	9400269
Well Description:	WASTE MANAGEMENT 12-26A	UWI:	05-123-25206-00		
	SERVICE SUPERVISOR JONATHAN SNYDER		SERVICE OPERATOR JAMES WILEY		