

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2914372	Quote #:	Sales Order #: 9348863
Customer: PDC ENERGY EBUS		Customer Rep:	
Well Name: Wiedeman	Well #: 24-22	API/UWI #:	
Field: WATTENBERG	City (SAP): GILCREST	County/Parish: Weld	State: Colorado
Lat: N 40.292 deg. OR N 40 deg. 17 min. 30.984 secs.	Long: W 104.766 deg. OR W -105 deg. 14 min. 1.608 secs.		
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: SIMS, DENNIS	Srvc Supervisor: ROSALES, MATTHEW	MBU ID Emp #: 392095	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRICKER, DANIEL Z	5.5	475710	CHAVEZ, JEROME	5.5	458298	JEWELL, WILLIAM Uris	5.5	503358
ROSALES, MATTHEW John	5.5	392095						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11106651	35 mile	11605598	35 mile	11764052	35 mile	11764739	35 mile
11812069C	35 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03/12/12	5.5	3						
TOTAL								

Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	12 - Mar - 2012	03:00	MST
Job depth MD	3627. ft	Job Depth TVD	3627. ft	Job Started	12 - Mar - 2012	06:00	MST
Water Depth		Wk Ht Above Floor		Job Completed	12 - Mar - 2012	07:43	MST
Perforation Depth (MD)	From	To		Departed Loc	12 - Mar - 2012	10:38	MST
						11:30	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.				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				3450.		

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	Conc	Surfactant	Conc	Conc	Acid Type	Qty	Conc %
Treatment Fld		Conc	Inhibitor	Conc	Conc	Sand Type	Size	Qty

Stage/Plug #: 1

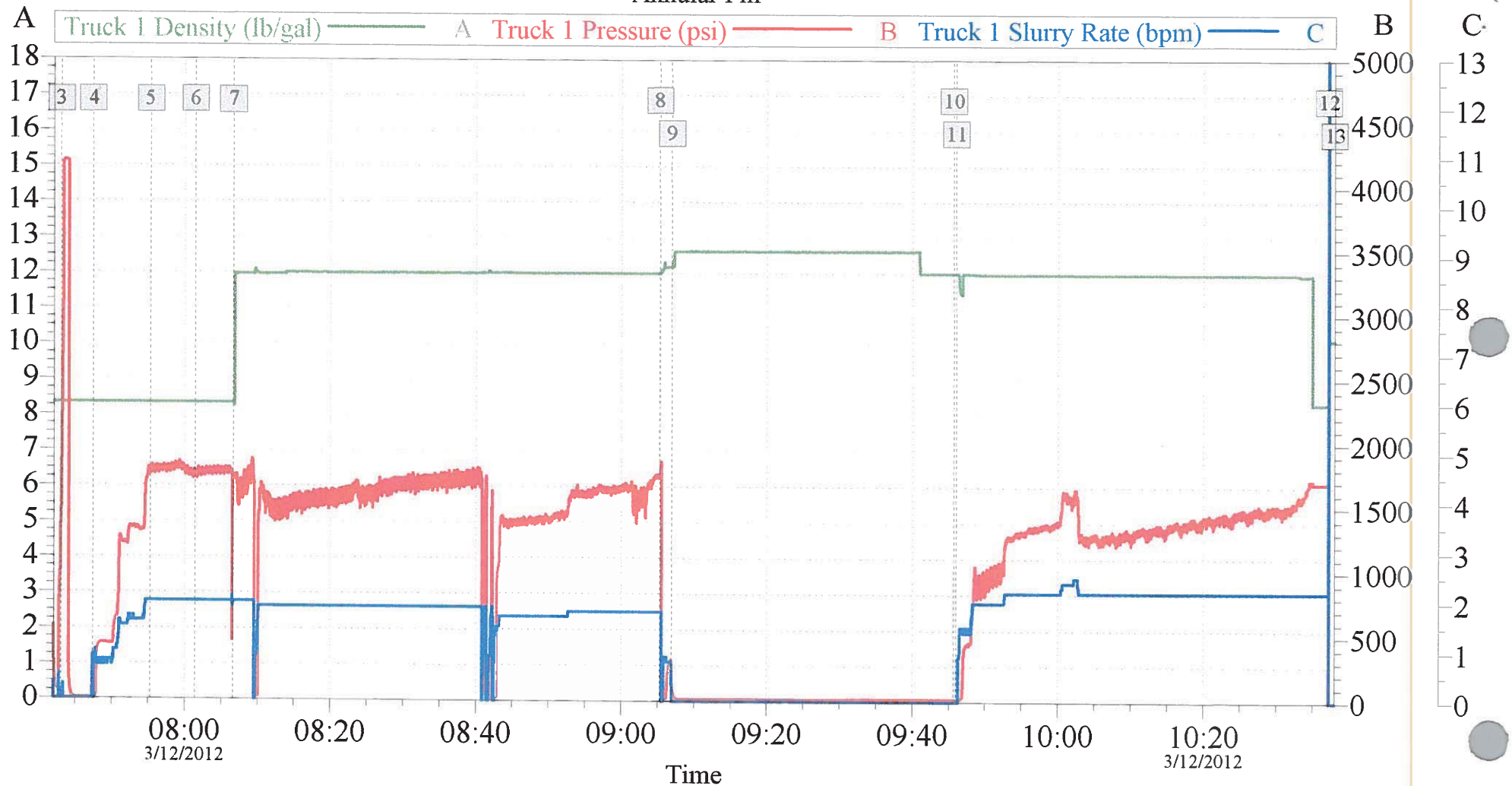
Fluid Data

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)	540.0	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		210	Pad	32
Top Of Cement		SURFACE 5 Min	Cement Returns 15bbl		Actual Displacement		3	Treatment	
Frac Gradient		15 Min	Spacers		Load and Breakdown		Total Job	245	
Rates									
Circulating		Mixing		Shoe Joint	Displacement		Avg. Job		
Cement Left In Pipe		Amount 0 ft	Reason	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID	
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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Customer: PDC ENERGY EBUS				Customer Rep:			
Well Name: Wiedeman		Well #: 24-22		API/UWI #:			
Field: WATTENBERG		City (SAP): GILCREST		County/Parish: Weld		State: Colorado	
Legal Description:							
Lat: N 40.292 deg. OR N 40 deg. 17 min. 30.984 secs.		Long: W 104.766 deg. OR W -105 deg. 14 min. 1.608 secs.					
Contractor:		Rig/Platform Name/Num:		Ticket Amount:			
Job Purpose: Recement Service		Job Type: Recement Service					
Well Type: Development Well		Srvc Supervisor: ROSALES, MATTHEW/MBU ID Emp #: 392095					
Sales Person: SIMS, DENNIS							
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments	
				Stage	Total	Tubing	Casing
Start Job	03/12/2012 07:40						
Test Lines	03/12/2012 07:42						
Pump Spacer 1	03/12/2012 07:47		2	10			1700. WATER SPACER w/CLAYWEBB 0
Pump Spacer 2	03/12/2012 07:55		2	12			1700. MUDDFLUSH 0
Pump Spacer 1	03/12/2012 08:01		2	10			1700. WATER SPACER w/CLAYWEBB 0
Pump Cement	03/12/2012 08:36		2	105			1900. 270SKS 12#/GAL CEMENT MIXED WITH WATER PROVIDED BY PDC 0
Pump Displacement	03/12/2012 09:05		2	1.5			1800. 0
Shutdown	03/12/2012 09:06						
Pump Cement	03/12/2012 09:45		2	105			1700. 270SKS 12#/GAL CEMENT MIXED WITH WATER PROVIDED BY PDC 0
Pump Displacement	03/12/2012 10:36		2	1.5			1600. 0
End Job	03/12/2012 10:37						15BBL OF CEMENT TO SURFACE

PDC - Wiedman 24-22 Annular Fill



Global Event Log

3	Test Lines	07:43:02	4	Water Spacer w/Claywebb	07:47:22	5	Mudflush	07:55:15
6	Water Spacer w/Claywebb	08:01:23	7	Pump Cement 12#/gal	08:06:37	8	Pump Displacement	09:05:18
9	Shutdown	09:06:55	10	Resume	09:45:37	11	Pump Cement 12#/gal	09:45:58
12	Pressure Off	10:37:10	13	End Job	10:37:58			

Customer: PDC
Well Description: Wiedman 24-22
Halliburton Service Supervisor: Matthew J. Rosales

Job Date: 12-Mar-2012
UWI: 05-123-20679-00
Halliburton Operator: Jerome Chavez

Sales Order #: 9348863
PDC Customer Rep: Chad Sailors

OptiCem v6.4.10
12-Mar-12 10:43