

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2366415	Quote #:	Sales Order #: 9037223
Customer: PDC ENERGY EBUS		Customer Rep:	
Well Name: Schrant	Well #: 24-12	API/UWI #:	
Field: Wattenberg	City (SAP): LUCERNE	County/Parish: Weld	State: Colorado
Job Purpose: Recement Service	Job Type: Recement Service		
Well Type: Development Well	Svc Supervisor: ROSALES, MATTHEW	MBU ID Emp #: 392095	
Sales Person: FLING, MATTHEW			

Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	HES Emp Name	Exp Hrs	Emp #
CHAVEZ, JEROME	4.5	458298	CONGDON, RICHARD S.	4.5	320306	FLYNN, SHAD Michael	4.5
KUNERT, RANDY	4.5	477850	ROSALES, MATTHEW John	4.5	392095		
Joe							

Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	45 mile	11019275C	45 mile	11488570C	45 mile	11605598	45 mile

Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
11/03/11	4.5	2.15					
TOTAL			Total is the sum of each column separately				

Job Times							
Formation Name	Formation Depth (MD)	Top	Bottom	Date	Time	Time Zone	
Form Type		BHST		03 - Nov - 2011	07:00	MST	
Job depth MD	2730. ft	Job Depth TVD	2730. ft	03 - Nov - 2011	11:00	MST	
Water Depth		Wk Ht Above Floor		03 - Nov - 2011	12:00	MST	
Perforation Depth (MD)	From	To		03 - Nov - 2011	14:15	MST	
					15:30	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				9.				407.	2730.		
Production Casing	Unknown		4.5	4.052	10.5		J-55		2730.		
Surface Casing	Unknown		8.625	8.097	24.		J-55		407.		
TUBING	Unknown		1.25	.671	3.02				2730.		

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	Conc	Inhibitor	Conc	Conc	Sand Type	Size	Qty	Qty

Fluid Data									
Stage/Plug #: 1	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	
Fluid #	Stage Type								

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 12.0#	VARICEM (TM) CEMENT (452009)	265.0	sacks	12.	2.18	12.34	2.0	12.34
	12.34 Gal	FRESH WATER							
5	Varicem 13#	VARICEM (TM) CEMENT (452009)	175.0	sacks	13.	1.71	8.84	2.0	8.84
	8.84 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		Displacement		Avg. Job			
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: Schrant	Well #: 24-12	API/UWI #:	
Field: Wattenberg	City (SAP): LUCERNE	County/Parish: Weld	State: Colorado
Legal Description:			
Lat:	Long:		
Contractor:	Rig/Platform Name/Num:	Ticket Amount:	
Job Purpose: Recement Service	Job Type: Recement Service		
Well Type: Development Well	Svc Supervisor: ROSALES, MATTHEW/MBU ID Emp #: 392095		
Sales Person: FLING, MATTHEW			

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Other Job or Site	11/03/2011 10:30							
Assessment Of Location Safety Meeting	11/03/2011 10:35							Conducted Hazard Hunt. lcy, Rutted Location
Pre-Job Safety Meeting	11/03/2011 11:50							Conducted Safety Meeting with all Third party personnel on Location
Test Lines	11/03/2011 12:03							
Start Job	11/03/2011 12:03							
Pump Spacer 1	11/03/2011 12:05	2	2	10	10		1700.0	Water w/Clayfix
Pump Spacer 2	11/03/2011 12:11	2	2	12	22		1690.0	Mudflush
Pump Spacer 1	11/03/2011 12:16	2	2	10	32		1750.0	Water w/Clayfix
Pump Lead Cement	11/03/2011 12:21	2	2	103	135		2000.0	265sk, 577.7cuft, 2.18cuft/sk, 12.34gal/sk, 12#/gal, Mixed with water provided by PDC
Pump Displacement	11/03/2011 13:14	2	2	1.5	136.5		1980.0	Water Displace
Wait on Customer or Customer Sub-Contractor Equip	11/03/2011 13:15							Pull tubing out of hole to 1050'
Pump Tail Cement	11/03/2011 13:48	2.5	2.5	53	189.5		1300.0	175sk, 299.2cuft, 1.71cuft/sk, 8.84gal/sk, 13#/gal, Mixed with water provided by PDC
Pump Displacement	11/03/2011 14:13	2.5	2.5	1	190.5		700.0	Water Displace
End Job	11/03/2011 14:15							

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Thursday, November 03, 2011 02:40:00