
PDC ENERGY EBUS

Schmerge ³⁴~~38-4~~
WATTENBERG
Weld County , Colorado

Recement Service

10-Oct-2012

Job Site Documents

Field Ticket Number:

9879665

Field Ticket Date:

Wednesday, October 10, 2012

Bill To:

Sho To:
PDC SCHMERGE 33-4,WELD
SCHMERGE 33-4
2447483
GARDEN CITY, CO 80631

Job Name:
Order Type:
Well Name:
Company Code:
Customer PO No.:
Shipping Point:
Sales Office:
Well Type:
Well Category:

Schmerge
Streamline Order (ZOH)
Schmerge 33-4
1100
NA
Brighton, CO, USA
Rocky Mountains BD
Gas
Workover

Material	Description	QTY	UCM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
14099	CMT RECEMENT BOM	1	JOB	0.00	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 6250	EA FT	0.00 0.00	7,962.00	7,962.00	60%	3,184.80
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	66 1	MI	0.00	5.76	380.16	60%	152.06
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	66 1	MI	0.00	9.79	646.14	60%	258.46
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	66 1	MI	0.00	0.17	11.22		11.22
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	66 1	MI	0.00	0.51	33.66		33.66
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	33 41.23	MI	0.00	3.35	4,557.98	60%	1,823.19
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	33 41.23	MI	0.00	0.17	231.30		231.30
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	1249 1	CF	0.00	5.49	6,857.01	60%	2,742.80
7	ENVIRONMENTAL CHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB,ZI	1	JOB	0.00	83.00	83.00		83.00
372867	Cmt PSL - DOT Vehicle Charge, CMT	4	EA	0.00	241.00	964.00		964.00

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Field Ticket Number: 9879665		Field Ticket Date: Wednesday, October 10, 2012	
Bill To: PDCC SCHMERGE 33-4, WELD SCHMERGE 33-4 2447483 GARDEN CITY, CO 80631		Job Name: Schmerge Order Type: Streamline Order (ZOH) Well Name: Schmerge 33-4 Company Code: 1100 Customer PO No.: NA Shipping Point: Brighton, CO, USA Sales Office: Rocky Mountains BD Well Type: Gas Well Category: Workover	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
656520	CMT, S.O.T./S.M.M. Permit	4	EA	0.00	200.00	800.00		800.00
132	PORT. DAS W/CEMWIN, ACQUIRE W/HES, ZI NUMBER OF DAYS	1	JOB	0.00	1,649.00	1,649.00	60%	659.60
139	ADC (AUTO DENSITY CTRL) SYS, /JOB, ZI NUMBER OF UNITS	1	JOB	0.00	2,275.00	2,275.00	60%	910.00
114	RIA DENSOMETER W/CHART RECORDER, /JOB, ZI NUMBER OF UNITS	1	JOB	0.00	1,285.00	1,285.00	60%	514.00
92	PORTABLE RADIOS, ZI NUMBER OF JOBS	5	EA	0.00	92.00	460.00		460.00
683670	CMT, Cement Winter Surcharge	1	EA	0.00	1,000.00	1,000.00		1,000.00
528788	MUD FLUSH III	12	BBL	0.00	90.72	1,088.64	60%	435.46
452981	EXTENDACEM (TM) SYSTEM	290	SK			18,565.23	60%	7,426.08
452981	EXTENDACEM (TM) SYSTEM	480	SK			30,704.01	60%	12,281.60
101985045	CHEM, CLA-WEB - TOTE	1	GAL	0.00	474.30	474.30	60%	189.72
100008028	SUGAR, GRANULATED, IMPERIAL	50	LB	0.00	6.44	322.00	60%	128.80
Totals					USD	80,483.65	46,059.90	34,423.75

Halliburton Rep: NICHOLAS VIGIL
 Customer Agent: Chad Sailors
 Halliburton Approval

HALLIBURTON

Field Ticket

Field Ticket Number: 9879665		Field Ticket Date: Wednesday, October 10, 2012	
Bill To:		Job Name: Schmerge	
		Order Type: Streamline Order (ZOH)	
		Well Name: Schmerge 33-4	
		Company Code: 1100	
		Customer PO No.: NA	
		Shipping Point: Brighton, CO, USA	
		Sales Office: Rocky Mountains BD	
		Well Type: Gas	
		Well Category: Workover	
SNB To:			
PDC SCHMERGE 33-4,WELD			
SCHMERGE 33-4			
2447483			
GARDEN CITY, CO 80631			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.								
CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.								

X

FIELD TICKET TOTAL: USD

34,423.75

Customer Signature	
Was our HSE performance satisfactory? Y or N	Were you satisfied with our Equipment? Y or N
(Health, Safety, Environment)	Were you satisfied with our people? Y or N
Comments	

Field Ticket Number: 9879665

Field Ticket Date: Wednesday, October 10, 2012

The Road to Excellence Starts with Safety

Sold To #: 304535		Ship To #: 2447483		Quote #:		Sales Order #: 9879665	
Customer: PDC ENERGY EBUS				Customer Rep: Sailors, Chad			
Well Name: Schmerge		Well #: 33-4		API/UWI #: 05-123-23146-00			
Field: WATTENBERG		City (SAP): GARDEN CITY		County/Parish: Weld		State: Colorado	
Contractor: Basic		Rig/Platform Name/Num: 1548					
Job Purpose: Recement Service							
Well Type: Development Well		Job Type: Recement Service					
Sales Person: AARON, WESLEY		Svc Supervisor: VIGIL, NICHOLAS		MBU ID Emp #: 443481			

Job Personnel									
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	
HOLMES, ANDREW	7	520802	LANGE, TIMOTHY Paul	7	520811	MILLER, GEOFFREY	7	460232	
Malcom						Alan			
ROMERO, JOSEPH	7	512137	VIGIL, NICHOLAS	7	443481				
M			Joseph						

Equipment									
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way		
10829456	33 mile	10857080C	33 mile	10866497C	33 mile	10867419C	33 mile		
11410470C	33 mile	11526488	33 mile	11562546C	33 mile	11566182	33 mile		

Job Hours									
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	
10/10/2012	7	5							
TOTAL									

Total is the sum of each column separately

Job										Job Times									
Formation Name		Formation Depth (MD)		Top	Bottom		Called Out		On Location		Job Started		Job Completed		Departed Loc		Date	Time	Time Zone
Form Type					BHST												10 - Oct - 2012	03:00	MST
Job depth MD				6250. ft	Job Depth TVD		6250. ft		Job Started		10 - Oct - 2012		07:02		MST				
Water Depth					Wk Ht Above Floor				Job Completed		10 - Oct - 2012		00:00		MST				
Perforation Depth (MD)		From			To				Departed Loc		10 - Oct - 2012		00:00		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
Production Casing	Unknown		4.5	4.	11.6					6250.	6250.
Tubing	Unknown		1.25	.824	2.4					3100.	3100.

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	Size	Qty

Fluid Data										
Stage/Plug #: 1		Fluid Name		Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
Fluid #	Stage Type									

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	Clay/Web Water Spacer				bbl	8.33	.0	.0	2.0				
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)			bbl	8.4	.0	.0	2.0				
3	Clay/Web Water Spacer				bbl	8.33	.0	.0	2.0				
		59.525 gal/Mgal CLA-WEB - TOTE (101985045)											
4	Extendacem 11.5#	EXTENDACEM (TM) SYSTEM (452981)		480.0	sacks	11.5	2.31	12.99		12.99			
		12.99 Gal FRESH WATER											
5	Extendacem 11.8#	EXTENDACEM (TM) SYSTEM (452981)		435.0	sacks	11.8	2.11	11.5		11.5			
		11.5 Gal FRESH WATER											
Calculated Values		Pressures		Volumes									
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad					
Top Of Cement	SURFACE	5 Min		Cement Returns	30 BBL	Actual Displacement		Treatment					
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job					
Rates													
Circulating		Mixing	1.5	Displacement		1.5	Avg. Job		1.5				
Cement Left In Pipe		Amount 0 ft	Reason	Shoe Joint		Frac Ring # 3 @		Frac Ring # 4 @		ID			
Frac Ring # 1 @	ID	Frac ring # 2 @	ID							ID			
The Information Stated Herein Is Correct										Customer Representative Signature			

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2447483	Quote #:	Sales Order #: 9879665
Customer: PDC ENERGY EBUS	Well Name: Schmerge	Customer Rep: Sailors, Chad	
Field: WATTENBERG	City (SAP): GARDEN CITY	Well #: 33-4	API/UWI #: 05-123-23146-00
		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: Basic	Rig/Platform Name/Num: 1548		
Job Purpose: Recement Service	Ticket Amount:		
Well Type: Development Well	Job Type: Recement Service		
Sales Person: AARON, WESLEY	Svc Supervisor: VIGIL, NICHOLAS		
	MBU ID Emp #: 443481		

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments
Arrive At Loc	10/10/2012 05:45					HAZARD HUNT, WATER TEST, WELL SITE ASSESSMENT, PRE RIG UP SAFETY MEETING
Start Job	10/10/2012 07:02					PRE JOB SAFETY MEETING
Test Lines	10/10/2012 07:03					
Pump Spacer 1	10/10/2012 07:04		1.3	10	1685.0	WATER WITH CLAWEB III
Pump Spacer 2	10/10/2012 07:14		1.5	12	2042.0	MUD FLUSH
Pump Spacer 1	10/10/2012 07:23		1.5	10	2050.0	WATER WITH CLAWEB III
Pump 1st Stage Lead Slurry	10/10/2012 07:30		1.5	97	2090.0	11.5 PPg EXTENDACEM (240 SKS)
Pump Displacement	10/10/2012 08:41		1.4	1.5	2360.0	RIG WATER
Pause	10/10/2012 08:45					WAITED FOR RIG TO PULL 50 JOINTS
Resume	10/10/2012 09:08					
Pump 2nd Stage Lead Slurry	10/10/2012 09:14		1.7	98	2015.0	11.5 PPg EXTENDACEM (240 SKS)
Pause	10/10/2012 10:20					WAITED FOR RIG TO PULL 53 JOINTS
Pump Cement	10/10/2012 10:50		1.9	105	2330.0	11.8 PPg EXTENDACEM (290 SKS)
Resume	10/10/2012 10:50					
Pump Displacement	10/10/2012 11:48		1.3	1	2100.0	RIG WATER

Sold To #: 304535

Ship To #: 2447483

Quote #:

Sales Order #:

9879665

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
End Job	10/10/2012 11:52							

Sold To #: 304535

Ship To #: 2447483

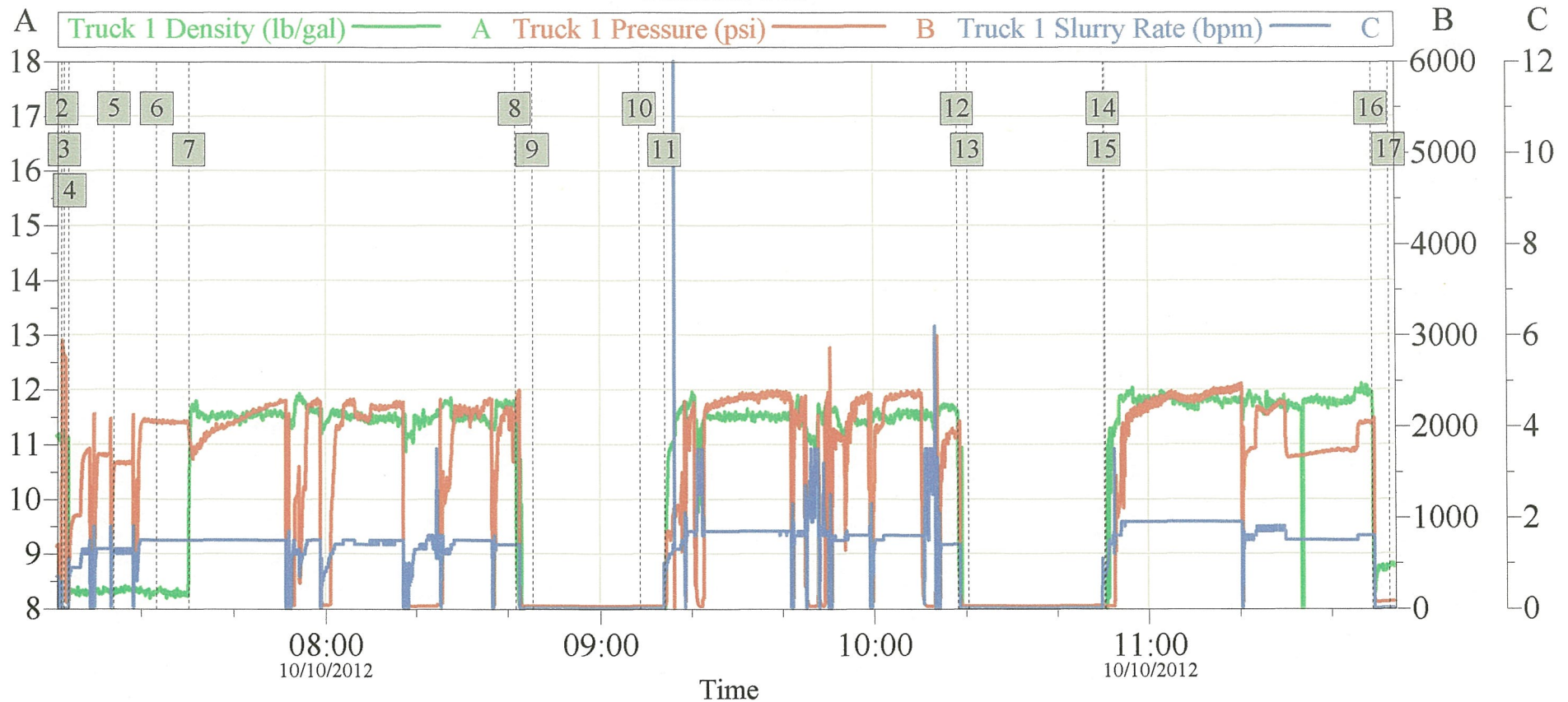
Quote #:

Sales Order #:

9879665

PDC Schmerge 33-4

Annular Fill



Global Event Log

2	Start Job	07:02:41	3	Test Lines	07:03:15	4	Water w/Claweb	07:04:23
5	Mud Flush	07:14:02	6	Water w/claweb	07:23:19	7	11.5 ppg ExtendaCem	07:30:18
8	Pump Displacement	08:41:36	9	Pause	08:45:29	10	Resume	09:08:36
11	11.5 ppg ExtendaCem	09:14:04	12	Pump Displacement	10:18:15	13	Pause	10:20:30
14	Resume	10:50:09	15	11.8 ppg ExtendaCem	10:50:27	16	Pump Displacement	11:48:46
17	End Job	11:52:38						

Customer:
Well Description:

Job Date: 10-Oct-2012
UWI:

Sales Order #: 9879665

OptiCem v6.4.10
10-Oct-12 11:57