

RRC # _____

REPORT # _____ HUB METER _____ RIG # #22

Customer Name PDC Energy Customer AFE # _____ Date 2/19/16

Mailing Address _____ City _____ State CO Zip _____ County weld

Field _____ Lease _____ Well Oster 10-1 Order # _____

Work Description: Workover _____ Rod _____ Rod & Tubing _____ Re-entry _____
Swabbing _____ Tubing _____ Completion _____ P & A _____

BILLING						
DESCRIPTION	RATE		TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.
RIG & CREW	11	Hrs. @ 275 Per Hr.	3025	BOP	1	500
EXTRA LABOR	12	Hrs. @ 48 Per Hr.	576	Pump	1	525
RIG FUEL		Hrs. @ Per Hr.		Tank	1	175
PUMP FUEL		Hrs. @ Per Hr.		Base Beam	1	40
RECHARGE ITEMS		QTY.	RATE Hr. / Day / Ea.			
Crew Travel		1	210	Pipe Handler		
Tool Pusher		1	450	Catwalk		
Per Diem				Pipe Racks		
Stripper Rubbers				Power Swivel		
Pipe Wipers				JU / Washington H		
Tong Dies				Rod / TBG Tongs		
Slip Dies				Adapter Flange		
Safety Valve				SWABBING EQUIPMENT		
Fishing Tools				Swab Cups - Size		
Pipe Dope				OSR		
Handling Equipment				Swabbing Acid		
				Fishing Tools		
				Extra Tank		

MISCELLANEOUS: Swab - 802.65

TOTAL BILLABLE AMOUNT THIS FIELD REPORT \$ 4548.35

DESCRIPTION OF WORK:

TIME STARTED 6:00 AM

TIME STOPPED 6:00 PM

6:00 to 6:30 crew travel to location
Safety meeting, check pressure o/o open to tank
Rig up wire line Ron plug and cement, and make holes in the casing. Nipple Down BOP Brake circulation Roll the hole Rig up cement crew and pump cement clean pump and Rack up pump and tank and Rig down clean location and shut down.

5:30 to 6:00 crew travel to town.

PAYROLL SECTION					
EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL
OPERATOR <u>Julian Quezada</u>		11	1		12
DERRICK <u>Abraham Villanueva</u>					
FLOORHAND <u>Julio Alonzo</u>					
FLOORHAND <u>Luis Barrera</u>					

ACCIDENTS PER MY SIGNATURE

Julian Quezada

BAYOU WORKOVER SERVICES RIG SUPERVISOR

CUSTOMER / AGENT

WHITE - CUSTOMER CANARY - HOUSTON COPY PINK - RIG COPY GOLD - FIELD COPY



63637

DAILY WORK TICKET

RRC # _____

REPORT # _____ HUB METER _____ RIG # #22

Customer Name PDC Energy Customer AFE # _____ Date 2/8/16

Mailing Address _____ City _____ State CO Zip _____ County weld

Field _____ Lease _____ Well Oster 10-1 Order # _____

Work Description:
Workover _____ Rod _____ Rod & Tubing _____ Re-entry _____
Swabbing _____ Tubing _____ Completion _____ P & A _____

BILLING						
DESCRIPTION	RATE		TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.
RIG & CREW	10.5	Hrs. @ 275 Per Hr.	2887.5	BOP	1	300
EXTRA LABOR	11.5	Hrs. @ 48 Per Hr.	552	Pump	1	575
RIG FUEL		Hrs. @ Per Hr.		Tank	1	175
PUMP FUEL		Hrs. @ Per Hr.		Base Beam	1	40
RECHARGE ITEMS	QTY.	RATE Hr. / Day / Ea.				
Crew Travel	1	210	210	Pipe Handler		
Tool Pusher				Catwalk		
Per Diem				Pipe Racks		
Stripper Rubbers				Power Swivel		
Pipe Wipers	1	44	44	JU / Washington H		
Tong Dies				Rod / TBG Tongs		
Slip Dies				Adapter Flange		
Safety Valve				SWABBING EQUIPMENT		
Fishing Tools				Swab Cups - Size		
Pipe Dope				OSR		
Handling Equipment				Swabbing Acid		
				Fishing Tools		
				Extra Tank		

MISCELLANEOUS: Saved - 717.52 TOTAL BILLABLE AMOUNT THIS FIELD REPORT \$ 4065.97

DESCRIPTION OF WORK: TIME STARTED 6:00 AM TIME STOPPED 5:30 PM

6:00 to 6:30 crew travel to location

Safety meeting, Move the Rig to next location. spot in all equipment and Rig up. Rig up pump and tank, check pressure 2000 and kill with 25 bbls and Roll the hole clean and nipple up BOP and change equipment at 1 1/2 and Lay down all pipe 217 JTS close BOP Lock and Shut down

5:00 to 5:30 crew travel to town.

PAYROLL SECTION					
EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL
OPERATOR <u>Julian Quezada</u>		10.5	1		11.5
DERRICK <u>Abraham Villanueva</u>					
FLOORHAND <u>Julio Alonzo</u>					
FLOORHAND <u>Luis Barraza</u>					

NO ACCIDENTS PER MY SIGNATURE Julian Quezada

BAYOU WORKOVER SERVICES RIG SUPERVISOR

CUSTOMER / AGENT

HALLIBURTON

iCem® Service

PDC ENERGY EBUS

For: RYAN

Date: Tuesday, February 09, 2016

10-1

LAND

PDC ENERGY EBUS OSTER 10-1 PLUG SO# 903113807

Job Date: Tuesday, February 09, 2016

Sincerely,

JIMMY SINGH

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Well Name and Number** cement **Job Type** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

This space is provided to enter in a brief summary of the job. Below are some important items to discuss"

1. **Quality of circulation before and during the job**
2. **The final circulating pressure**
3. **Whether or not any of the fluids that Halliburton pumped were returned to surface during the job**
4. **Whether or not a flare was present at any point during the job**
5. **A brief explanation any abnormalities on the job chart**
6. **If we deviated from the original job plan, a brief explanation why we did so**

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton Casper

Job Times

	Date	Time	Time Zone
Requested Time On Location:	2/9/16	1300	MST
Called Out Time:	2/9/16	0800	MST
Arrived On Location At:	2/9/16	1200	MST
Job Started At:	2/9/16	1402	MST
Job Completed At:	2/9/16	1454	MST
Departed Location At:	2/9/16	1600	MST

1.4 Job Overview

		Units	Description
1	Surface temperature at time of job	°F	50
2	Mud Type (OBM, WBM, SBM, Water, Brine)	-	WATER
3	Actual mud density	lb/gal	8.33
4	Actual mud Plastic Viscosity (PV)	cp	
5	Actual mud Yield Point (YP)	lb _f /100ft ²	
6	Actual mud 30 min gel strength	lb _f /100ft ²	
7	Time circulated before job	HH:MM	
8	Mud volume circulated	bbls	
9	Rate at which well was circulated	bpm	
10	Pipe movement during hole circulation	Y/N	N
11	Rig pressure while circulating	psi	
12	Time from end mud circulation to start of job	HH:MM	
13	Pipe movement during cementing	Y/N	N
14	Calculated displacement	bbls	0
15	Job displaced by	Rig/HES	HES
16	Annular flow before job	Y/N	N
17	Annular flow after job	Y/N	N
18	Length of rat hole	ft	
19	Units of gas detected while circulating	units	
20	Was lost circulation experienced at any time?	Y/N	N

1.8 Water Field Test

Item	Recorded Value	Units	Max Acceptable Limit	Potential Problems in Exceeding Limit
pH	7	-	6.0-8.0	Chemicals in the water can cause severe retardation
Chlorides	0	ppm	3000 ppm	Can shorten thickening time of cement
Sulfates	200	ppm	1500 ppm	Will greatly decrease the strength of cement
Total Hardness		ppm	500 mg/L	High concentrations will accelerate the set of the cement
Calcium	0	ppm	500 ppm	High concentrations will accelerate the set of the cement
Total Alkalinity	200	ppm	1000 ppm	Cement is greatly retarded to the point where it may not set up at all (typically occurs @ pH \geq 8.3).
Bicarbonates		ppm	1000 ppm	Cement is greatly retarded to the point where it may not set up at all
Potassium		ppm	5000 ppm	High concentrations will shorten the pump time of cement (indicates the presence of chlorides, therefore if Potassium levels are measured as high, so should the chlorides)
Iron		ppm	300 ppm	High concentrations will accelerate the set of the cement
Temperature	55	°F	50-80 °F	High temps will accelerate; Low temps may risk freezing in cold weather

Submitted Respectfully by:

2.0 Real-Time Job Summary

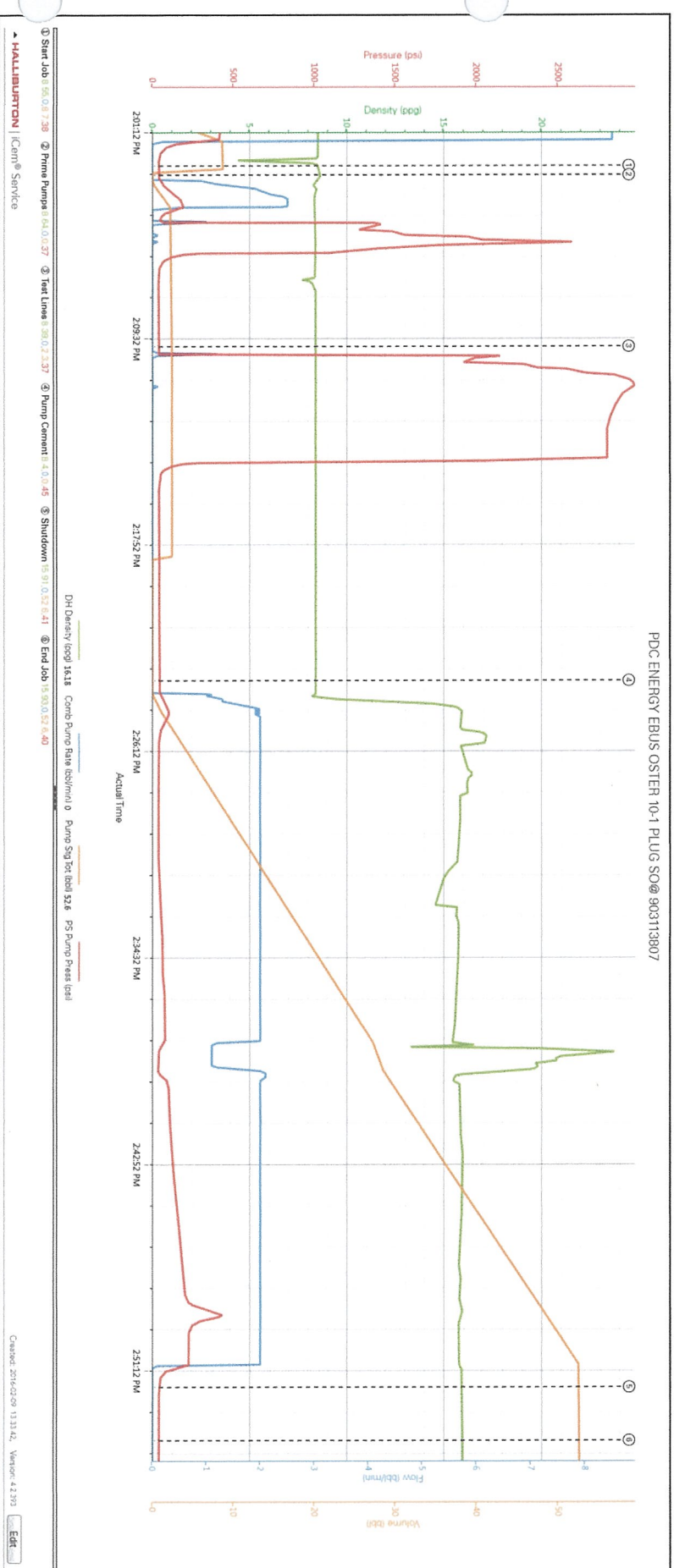
2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Pass-Style Pump Pressure (psi)	Comments
Event	1	Call Out	Call Out	2/9/2016	08:00:00	USER					HES CREW CALLED OUT AT 0800REQUESTED ON LOCATION AT 1300
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	2/9/2016	11:00:00	USER					HES CREW DISCUSSED THE HAZARDS OF DRIVING TO LOCATION
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	2/9/2016	11:15:00	USER					DEPART FROM YARD FOR LOCATION
Event	4	Arrive At Loc	Arrive At Loc	2/9/2016	12:00:00	USER					HES CREW ARRIVES AT LOCATION
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	2/9/2016	12:05:00	USER					HES CREW DISCUSSED HOW TO SAFELY SPOT EQUIPMENT
Event	6	Other	CUSTOMER RELEASED CREW	2/9/2016	12:40:00	USER					TOOK OUR PHONE NUMBER AND TOLD US HE WOULD CALL WHEN HE WANTED US BACK ON LOCATION.
Event	7	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	2/9/2016	13:00:00	USER					HES CREW DISCUSSED THE HAZARDS OF RIGGING UP EQUIPMENT
Event	8	Rig-Up Equipment	Rig-Up Equipment	2/9/2016	13:10:00	USER					HES CREW RIG UP HES IRON AND HOSES
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	2/9/2016	13:40:00	USER	0.09	0.00	0.0	35.00	HES AND RIG CREW DISCUSSED THE HAZARDS OF RIGGING UP THE RIG FLOOR AND PUMPING THE JOB
Event	10	Rig-Up Completed	Rig-Up Completed	2/9/2016	14:00:00	USER	0.92	0.00	0.0	48.00	RIG UP COMPLETED

Event	11	Other	Other	2/9/2016	14:01:00	USER	8.51	8.50	3.9	407.00	JOB INFO 2 7/8 6.5# 600FT 8 5/8 24# 280 FT 320 FT OPEN HOLE IS 12 INCH
Event	12	Start Job	Start Job	2/9/2016	14:02:38	COM1	8.55	0.00	8.7	38.00	START JOB
Event	13	Prime Pumps	Prime Pumps	2/9/2016	14:03:00	USER	8.64	0.00	0.0	37.00	PRIME LINES WITH 2 BLS H2O
Event	14	Test Lines	Test Lines	2/9/2016	14:09:56	USER	8.39	0.00	2.3	37.00	TEST LINES TO 3000 PSI FOR 2 MINS
Event	15	Pump Cement	Pump Cement	2/9/2016	14:23:26	COM1	8.40	0.00	0.0	45.00	PUMP 52 BLS @ 15.8# 250 SKS YIELD 1.161 GAL/SK 5.07
Event	16	Shutdown	Shutdown	2/9/2016	14:51:57	COM1	15.91	0.00	52.6	41.00	SHUT DOWN
Event	17	End Job	End Job	2/9/2016	14:54:06	COM1	15.93	0.00	52.6	40.00	END JOB.
Event	18	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	2/9/2016	15:00:00	USER					HES AND RIG CREW DISCUSSED THE HAZARDS OF RIGGING DOWN EQUIPMENT AND BRINGING DOWN EQUIPMENT FROM RIG FLOOR
Event	19	Rig-Down Completed	Rig-Down Completed	2/9/2016	15:45:00	USER					RIG DOWN COMPLETED
Event	20	Depart Location Safety Meeting	Depart Location Safety Meeting	2/9/2016	15:50:00	USER					HES CREW DISCUSSED THE HAZARDS OF DRIVING
Event	21	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	2/9/2016	15:55:00	USER					DEPART FOR YARD FROM LOCATION
Event	22	Job Complete	Job Complete	2/9/2016	16:00:00	USER					JOB COMPLETE, PUMPED CMT TELL WE SAW CMT COMING BACK TO SURFACE TOOL 250SKS . PUMPED CMT INSIDE AND OUT THERE WAS NO DISPLACEMENT

3.0 Attachments

3.1 PDC ENERGY EBUS OSTER 10-1 PLUG SO# 903113807.png



The Road to Excellence Starts with Safety

Sold To #: 304535		Ship To #: 3720018		Quote #:		Sales Order #: 0903113807	
Customer: PDC ENERGY EBUS				Customer Rep: RYAN			
Well Name: Oster			Well #: 10-1		API/UWI #: 05-123-13312		
Field:		City (SAP): MILLIKEN		County/Parish: WELD		State: COLORADO	
Legal Description:							
Contractor: UNKNOWN				Rig/Platform Name/Num: WORKOVER RIG			
Job BOM: 7522							
Well Type: GAS							
Sales Person: HALAMERICA\HX37727				Srv Supervisor: Jarnail Singh			

Job

Formation Name			
Formation Depth (MD)	Top	Bottom	
Form Type		BHST	
Job depth MD	600ft	Job Depth TVD	
Water Depth		Wk Ht Above Floor	
Perforation Depth (MD)	From	To	

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing	0	8.625	8.097	24	8 RD	J-55	0	280	0	280
Tubing		2.875	2.441	6.5			0	600		
Open Hole Section			8.75				280	600	280	600

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	2.875			600	Top Plug	2.875		HES
Float Shoe	2.875				Bottom Plug	2.875		HES
Float Collar	2.875				SSR plug set	2.875		HES
Insert Float	2.875				Plug Container	2.875		HES
Stage Tool	2.875				Centralizers	2.875		HES

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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Primary Cement	HALCEM (TM) SYSTEM	250	sack	15.8	1.161		4	5.07	
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
5.07 Gal		FRESH WATER								

Field Ticket Number: 0903113807	Field Ticket Date: Tuesday, February 09, 2016	Planning Order #: NA
Bill To: PDC ENERGY - EBUS, DO NOT MAIL-120 GENESIS BLVD, BRIDGEPORT, WV, 26330	Job Name: Oster 10-1 Order Type: ZOH Well Name: Oster 10-1 Company Code: 1100 Customer PO No.: 2043 Shipping Point: FORT LUPTON Shipping Point Sales Office: ROCKY MOUNTAINS BD Well Type: GAS Well Category: DEVELOPMENT Rig Name/##: WORKOVER RIG	
Ship To: OSTER #10-1,Weld, SESE 10-4N-67W, MILLIKEN, CO, 80543		

Material	Description	QTY	UCM	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB		0.00		0.00
	Cementing Services & Equipment						
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 600 FT	EA	5,290.00 USD / 1.00 EA	5,290.00		1,269.60
2	MILEAGE FOR CEMENTING CREW Number of Units	100 1	MI	5.76 USD / 1.00 MI	576.00		138.24
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	100 1	MI	9.79 USD / 1.00 MI	979.00		234.96
	Cementing Materials						
452986	CMT, HalCem (TM) system	250	SK		11,786.20		2,828.69
100003685	CEM,CLASS G / PREMIUM, BULK Premium Cement	250	SK	44.26 USD / 1.00 SK	11,065.00		2,655.60
101509387	CHEM, CALCIUM CHLORIDE-PELLET, 50 LB SK Calcium Chloride, Pellet	4	SK	180.30 USD / 1.00 SK	721.20		173.09
76400	MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	50 14.1	MI	3.35 USD / 1.00 MI	2,361.75		566.82
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	300 EA 1	CF	5.49 USD / 1.00 CF	1,647.00		395.28
Totals				USD	\$ 22,639.95		\$ 5,433.59

Field Ticket Signature

Field Ticket Number: 0903113807		Field Ticket Date: Tuesday, February 09, 2016		Planning Order #: NA	
Bill To: PDC ENERGY - EBUS, DO NOT MAIL-120 GENESIS BLVD, BRIDGEPORT, WV, 26330		Job Name: Oster 10-1			
		Order Type: ZOH			
		Well Name: Oster 10-1			
		Company Code: 1100			
		Customer PO No.: 2043			
		Shipping Point: FORT LUPTON Shipping Point			
		Sales Office: ROCKY MOUNTAINS BD			
		Well Type: GAS			
		Well Category: DEVELOPMENT			
		Rig Name/#: WORKOVER RIG			

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, ON ANY PRECEDING PAGES, AND ATTACHED DOCUMENTS.

Gross Amount Total: \$ 22,639.95
Item Discount Total:
Net Amount Total: \$ 5,433.59 USD

Customer Representative Signature:

Date:

RYAN

Jarnail Singh

Customer Representative

Halliburton Representative

Was our HSE performance satisfactory? (Health, Safety, Environment)

Were you satisfied with our equipment?

Were you satisfied with our people?

☐ Yes☐ No☐ Yes☐ No☐ Yes☐ No

Comments:



WALTER CORPORATION

Walter Corporation, LLC 33250 CR 53 Gill, CO 80624

Office: 970.301.2028

Fax: 970.284.6682

Field Ticket #

16401

N2 16401

Date

2/9/2016

Bill To Customer:		P D C	PO#	Lease Name:	Oster	Well #	10-1
Address:		3801 Carson Ave		County:	Weld St	CO	
City:		Evans	Field:	Job Type:		Invoice \	
State:		CO	Zip:	80620	Legal Description:	Casing Sz & Wt:	OCSG #:
Ordered By:						Service Man	

NO.	RENTALS/SALES	QTY	PRICE	DSC	TOTAL
1	Sale of 2nd 2-7/8 D & H CIBP	1	1,100.00		\$1,100.00
2					0.00
3					0.00
4					0.00
5					0.00
6					0.00
7					0.00
8					0.00
9					0.00
10					0.00
11					0.00
12					0.00
13					0.00
14					0.00
Subtotal Taxable Charges					\$1,100.00
SERVICE MANS TIME					
					\$0.00
					0.00
					0.00
					0.00
					0.00
Subtotal Non-Taxable Charges					\$0.00
MILEAGE					
					\$0.00
					0.00
					0.00
					0.00
Subtotal Non-Taxable Charges					\$0.00
Subtotal Non-Taxable Charges					\$0.00

Terms: Net 30 Days

Total Service & Material:

Tax:

TOTAL CHARGES: \$1,131.90

Authorized Agent:

Date:

WALTER CORPORATION

Walter Corporation, LLC 33250 CR 53 Gill, CO 80624

Office: 970.301.2028

Fax: 970.284.6682

Field Ticket #

16400

N2 16400

Date

2/9/2016

Bill To Customer:		P D C	PO#	Lease Name:	Oster	Well #	10-1
Address:		3801 Carson Ave		County:	Weld	St:	CO
City:		Evans		Job Type:		Invoice \	
State:		CO		Casing Sz & Wt:		OCSG #:	
Zip:		80620		Service Man			
Ordered By:							

NO.	RENTALS/SALES	QTY	PRICE	DSC	TOTAL
1	Sale of 2-7/8 D & H CIBP	1	1,100.00		\$1,100.00
2					0.00
3					0.00
4					0.00
5					0.00
6					0.00
7					0.00
8					0.00
9					0.00
10					0.00
11					0.00
12					0.00
13					0.00
14					0.00
Subtotal Taxable Charges					\$1,100.00
SERVICE MANS TIME					
					\$0.00
					0.00
					0.00
					0.00
					0.00
Subtotal Non-Taxable Charges					\$0.00
MILEAGE					
					\$0.00
					0.00
					0.00
					0.00
Subtotal Non-Taxable Charges					\$0.00
Subtotal Non-Taxable Charges					\$0.00

Terms: Net 30 Days

Total Service & Material:

Tax:

TOTAL CHARGES: \$1,131.90

Authorized Agent:

Date:



Office 970-301-2028 Fax 970-284-7808

2/19/2016

Ref. #:	10-1
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OCSG #:

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DSC

35%	
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35%	
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Material:

Tax:

CHARGES:

White – Main Canary – Customer Pink – Field