



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645  
Telephone (970) 284-6006



RIG/UNIT #: 354  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4043506-SO2

DATE: 11-Apr-18, 06:00

Page: 1 of 1

<b>COMPANY</b>		
<b>PDC ENERGY, INC</b>	LOCATION: Green Trust 24-24 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	11.50	406.50	4,674.75
Rig Up	1.00	290.00	290.00
Crew Travel	2.00	193.60	387.20
Bird Bath Rental	1.00	30.80	30.80
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
<b>CHARGES &amp; EXPENDABLES SUB-TOTAL</b>			<b>5,470.75</b>
<b>FIELD ESTIMATE (TAX NOT INCLUDED)</b>			<b>\$ 5,470.75</b>

ROD & TUBING DETAILS			
<b>ROD DETAILS</b>			
<input type="checkbox"/> PULLED	SIZE:	PLAIN:	SCRAPERS: PONYS:
<input type="checkbox"/> RAN	SIZE:	PLAIN:	SCRAPERS: PONYS:
NOTES:			
<b>TUBING DETAILS</b>			
<input type="checkbox"/> PULLED	SIZE:	JOINTS:	TALLY:
<input type="checkbox"/> RAN	SIZE:	JOINTS:	TALLY:
LANDED AT:		NIPPLE AT:	
NOTES:			
<b>PUMP DETAILS</b>			
SIZE:		TYPE:	SERIAL #:

PRESSURE TESTS						
FUNCTION BOP	TIME TO OPERATE (s)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)	TEST DATE & TIME
INITIAL ACCUM. PRESSURE:		FINAL ACCUM. PRESSURE:		RECHARGE TIME:		
DAILY WALK AROUND: Not run		RAM SAVER: NO		EMERGENCY HORN TEST: Not run		
LEL TEST: Not run		CROWN SAVER: Not run		EMERGENCY ENGINE KILLS: Not run		
DETAILED INSPECTION DATE:			SCBA DRILL DATE:			
MAN DOWN DRILL DATE:			RIG RESCUE DRILL DATE:			
BOP DRILL DATE:			BOP DRILL DURATION:			
IADC DETAILED INSPECTION DATE:						
WEATHER: Sunny		WIND: Light		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
11-Apr-18, 06:00	11-Apr-18, 20:30	14.50	BOP - Nipple Up/Down - BOPE & Wellhead	Crew traveled to loc crew held safety meeting check press 0/0 open to tank function test BOP test good TITH w/ 136jnts from derrick R/U Kelly circ well 15min clean R/D Kelly L/D 136jnts to trailer MIRU wireline RIH CIBP set @ 6830' RIH dump bail 2sxs RIH jet cutter cut csg @ 1900' R/D wireline R/D work floor tbg equip N/D BOP wellhead remove 8 5/8 cap/packing P/U 4 1/2" lift sub unland csg from slips N/U 8 5/8 spool BOP R/U work floor csg equip L/D 44jnts 4 1/2" csg to trailer switch equip to 2 3/8 TITH w/ mule shoe 82jnts 2 3/8 tbg to 2650' R/U Kelly circ well 1hr clean R/D Kelly MIRU cementers held safety meeting mix/pump 20sxs @ 2650' to 2393' displace 9.1bbl R/D cementers L/D 19jnts leaving 63jnts in @ 2025' R/U cementers catch circ w/ 2bbl mix/pump 175sxs from 2025' to 1550' displace 5.9bbl R/D cementers L/D 40 leaving 23jnts in @ 750' R/U cementers catch circ w/ 4bbl mix/pump 265sxs from 750' to surf R/D cementers L/D 23jnts tbg R/D work floor N/D BOP 8 5/8 spool top off w/ 6sxs wash up lines/equip R/D rig R/D pump/tank installed 8 5/8 cap w/ tapped bull plug needle valve shut in well crew cleaned loc drained pump/lines crew traveled home
<b>TOTAL TIME: 14.50 hours</b>				

CREW DETAILS										
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE	
Service Rig Manager	Matthew McGraw	11-Apr-18, 06:00	14.50	0.00	No	0.00		0.00	Yes	
Operator	Ever Valverde	11-Apr-18, 06:00	14.50	0.00	No	0.00		0.00	Yes	
Floorhand	Jeffrey Garcia	11-Apr-18, 06:00	14.50	0.00	No	0.00		0.00	Yes	
Relief Operator	Jorge Acosta	11-Apr-18, 06:00	14.50	0.00	No	0.00		0.00	Yes	
Floorhand	Juan Serrano Romero	11-Apr-18, 06:00	14.50	0.00	No	0.00		0.00	Yes	

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	The customer agrees that the contractor ("Ensign") will perform the work and supply the materials ("the work") as described within and in accordance with the conditions set out in the IADC contract and in accordance with all exhibits, specifications, schedules and/or parts (if any) attached hereto.  OPERATOR'S REP. SIGNATURE:  Bud Holman 970-301-3897



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645  
Telephone (970) 284-6006



RIG/UNIT #: 354  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4043506-SO1

DATE: 10-Apr-18, 06:00

Page: 1 of 1

<b>COMPANY</b>		
<b>PDC ENERGY, INC</b>	LOCATION: Green Trust 24-24 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	12.00	406.50	4,878.00
Rig Up	1.00	290.00	290.00
Crew Travel	2.00	193.60	387.20
Bird Bath Rental	1.00	30.80	30.80
Tubing Wiper Rubber	1.00	48.00	48.00
<b>CHARGES &amp; EXPENDABLES SUB-TOTAL</b>			<b>5,634.00</b>
<b>FIELD ESTIMATE (TAX NOT INCLUDED)</b>			<b>\$ 5,634.00</b>



<b>CUSTOMER STAMP</b>
-----------------------

ROD & TUBING DETAILS			
<b>ROD DETAILS</b>			
PULLED	SIZE:	PLAIN:	SCRAPERS:
PONYS:			
RAN	SIZE:	PLAIN:	SCRAPERS:
PONYS:			
NOTES:			
<b>TUBING DETAILS</b>			
PULLED	SIZE:	JOINTS:	TALLY:
RAN	SIZE:	JOINTS:	TALLY:
LANDED AT:		NIPPLE AT:	
NOTES:			
<b>PUMP DETAILS</b>			
SIZE:	TYPE:	SERIAL #:	

PRESSURE TESTS						
FUNCTION BOP	TIME TO OPERATE (s)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)	TEST DATE & TIME
INITIAL ACCUM. PRESSURE:		FINAL ACCUM. PRESSURE:		RECHARGE TIME:		
DAILY WALK AROUND: Not run		RAM SAVER: NO		EMERGENCY HORN TEST: Not run		
LEL TEST: Not run		CROWN SAVER: Not run		EMERGENCY ENGINE KILLS: Not run		
DETAILED INSPECTION DATE:				SCBA DRILL DATE:		
MAN DOWN DRILL DATE:				RIG RESCUE DRILL DATE:		
BOP DRILL DATE:				BOP DRILL DURATION:		
IADC DETAILED INSPECTION DATE:						
WEATHER: Sunny		WIND: Calm		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
10-Apr-18, 06:00	10-Apr-18, 21:00	15.00	BOP - Nipple Up/Down - BOPE & Wellhead	Crew traveled to loc crew held safety meeting move rig/equip on to loc removed well fence spot in equip/ rig R/U rig R/U pump/tank check press 900/1000/0 bleed off to work tank circ well 1hr clean function test BOP test good N/D well tree, master valve, 3K cap N/U 3K flange BOP R/U work floor tbg equip unland tbg from hanger L/D 6' & 12' subs TOTH 80jnts to derrick L/D 140jnts to trailer keeping hole loaded MIRU wireline RIH gauge ring to 7175' RIH CIBP #1 set @ 7138' dump 2sxs RIH CIBP #2 set @ 6832' plug wont shear wireline pulled out of socket comeout of hole RIH w/ log tool log 2500' to surf R/D wireline press test plug/csg to 1000psi test good P/U overshot, bumper sub RIH w/ 210jnts latch onto fish work free TOTH w/ 208jnts to derrick L/D 2jnts bumper sub, overshot, fish shut in well crew cleaned loc drained pump/lines crew traveled home
TOTAL TIME: 15.00 hours				

CREW DETAILS										
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE	
Service Rig Manager	Matthew McGraw	10-Apr-18, 06:00	15.00	0.00	No	0.00		0.00	Yes	
Operator	Ever Valverde	10-Apr-18, 06:00	15.00	0.00	No	0.00		0.00	Yes	
Floorhand	Jeffrey Garcia	10-Apr-18, 06:00	15.00	0.00	No	0.00		0.00	Yes	
Relief Operator	Jorge Acosta	10-Apr-18, 06:00	15.00	0.00	No	0.00		0.00	Yes	
Floorhand	Juan Serrano Romero	10-Apr-18, 06:00	15.00	0.00	No	0.00		0.00	Yes	

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	The customer agrees that the contractor ("Ensign") will perform the work and supply the materials ("the work") as described within and in accordance with the conditions set out in the IADC contract and in accordance with all exhibits, specifications, schedules and/or parts (if any) attached hereto.
OPERATOR'S REP. SIGNATURE: 	Bud Holman 970-301-3897



# Job Summary

Ticket Number	Ticket Date
TN# FL3544	4/11/2018

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-22326
WELL NAME	RIG	JOB TYPE
Green Trust 24-24	Ensign 354	Balanced Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SESW 24 7N65W	Joyner, Barlen	Bud Holman

EMPLOYEES		
Yates, Tony		
White, Cori		
Abdi, Aden		

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

### Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	600	1900		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	14	547	600		

### Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	547		
Production	5.5	20	P-110	1900	2650		
Tubing	2.375	4.7		0	2650		

### CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	2393	To Depth (ft):	2650
Type: Plug 1	Volume (sacks):	20	Volume (bbls):	4.1
Cement & Additives:				
100% Class G+2% CaCl2				
	Density (ppg)	15.8	Yield (ft³/sk)	1.16
	Water Req.	5.00		

<b>Stage 2:</b>	From Depth (ft):	1550	To Depth (ft):	2025
Type: Plug 2	Volume (sacks):	175	Volume (bbls):	36.2
Cement & Additives:				
100% Class G+2% CaCl2				
	Density (ppg)	15.8	Yield (ft³/sk)	1.16
	Water Req.	5.00		

<b>Stage 3:</b>	From Depth (ft):	0	To Depth (ft):	750
Type: Plug 3 Lead	Volume (sacks):	265	Volume (bbls):	54.7
Cement & Additives:				
100% Class G+2% CaCl2				
	Density (ppg)	15.8	Yield (ft³/sk)	1.16
	Water Req.	5.00		

<b>Stage 4:</b>	From Depth (ft):	0	To Depth (ft):	19
Type: Top-out	Volume (sacks):	6	Volume (bbls):	1.2
Cement & Additives:				
100% G + 2% CaCl2				
	Density (ppg)	15.8	Yield (ft³/sk)	1.16
	Water Req.	5.00		

### SUMMARY

Preflushes:	15 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1: 9.1	Stage 2: 5.9
	bbls of	Actual Displacement (bbl):	9.2	5.2
	bbls of	Plug Bump (Y/N):	N/A	Bump Pressure (psi): N/A
Total Preflush/Spacer Volume (bbl):	15	Lost Returns (Y/N):	N	(if Y, when) N/A
Total Slurry Volume (bbl):	94.9			
Total Fluid Pumped	124.3			
Returns to Surface:	Cement 1 bbls			

Job Notes (fluids pumped / procedures / tools / etc.):  
See job log.

Customer Representative Signature: \_\_\_\_\_

Thank You For Using  
O-TEX Cementing





Service Location: Brighton, Colorado 303-857-7948  
 Service Address: 821 County Road 27, Brighton, CO 80603

FIELD RECEIPT

TN # FL3544

Service Date:	4/11/2018	Well Name:	Green Trust 24-24	Job Type:	Balanced Plugs
Customer:	PDC Energy, Inc.	County:	Weld	Service Supervisor:	Joyner, Barlen
Address:	PO Box 26	State:	CO	Pump #1	445046
City:	Attn: Accounts Payable	AFE #	05-123-22326	Pump #2	
St:	Bridgport		PA000734		
Customer Rep:	WW 26330				
	Bud Holman				

REF #	Description	unit of measure	unit price	quan
CM006	O-Tex Ultra Premium Cement (94lbs/ft3)	94SACK	\$ 38.20	460
CP018	Calcium Chloride	LBS	\$ 1.22	866
CT003	Pump Charge 2001-3000'	4-HRS	\$ 3,626.37	1
JM001	Data Acquisition System	JOB	\$ 1,437.48	1
AE014	Environmental Fee*	JOB	\$ 228.69	1
ML001	Pickup Mileage	UNTMIL	\$ 4.26	50
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	\$ 7.32	50
ML003	Bulk Cement Delivery/Return	MILE	\$ 2.95	1,445
MX001	Bulk Material Mixing Service Charge	SCF	\$ 3.27	623
CP009	CF-41 (Foam Preventer)	GAL	\$ 86.06	2
CP031	Sugar	LBS	\$ 3.39	50
CC015	Pump Charge Additional Hours	UNTHRS	\$ 588.06	1
AE012	Bulk Unit Additional Hours	UNTHRS	\$ 130.68	1

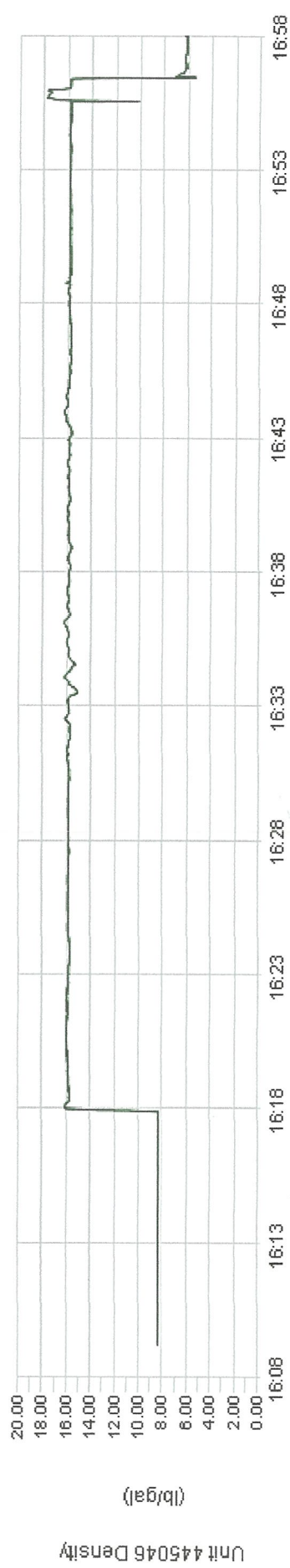
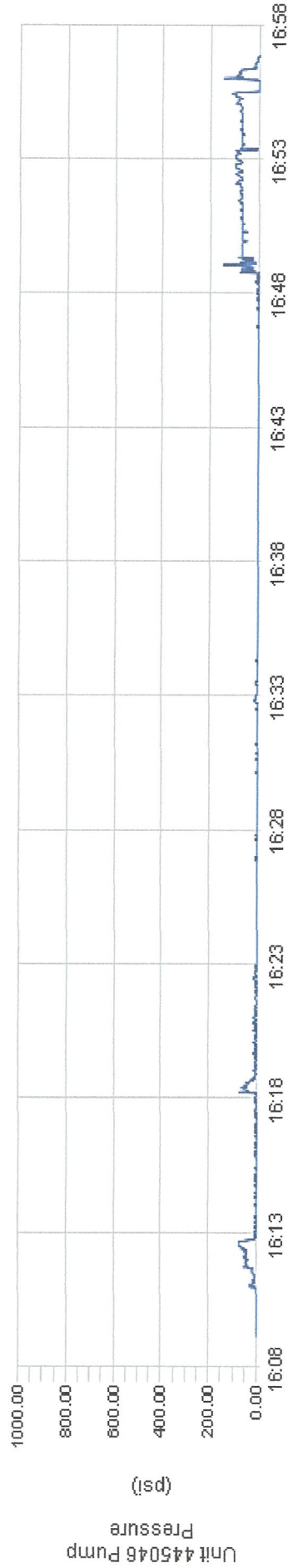
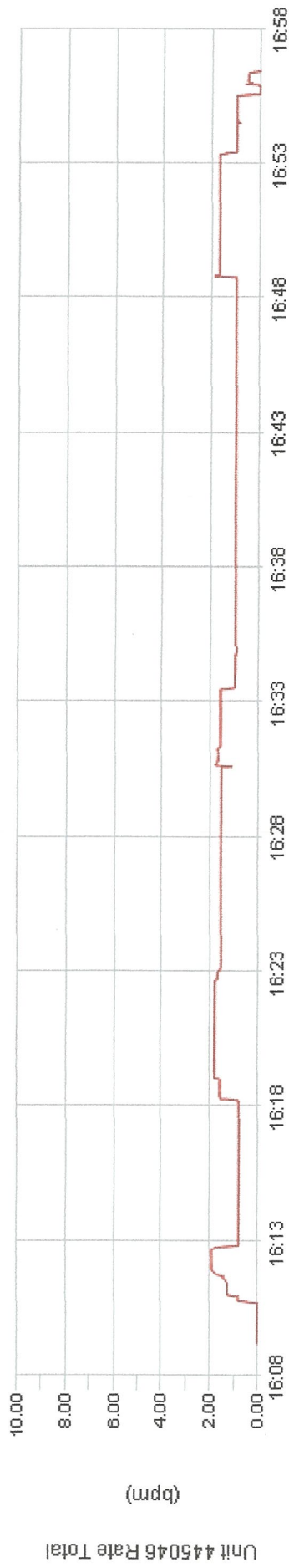
I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: \_\_\_\_\_

DISCLAIMER OF LIABILITY: With respect to this report, neither C&J Energy Services nor any of their employees, makes any warranty, express or implied, including the warranties of merchantability and fitness for a particular purpose, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

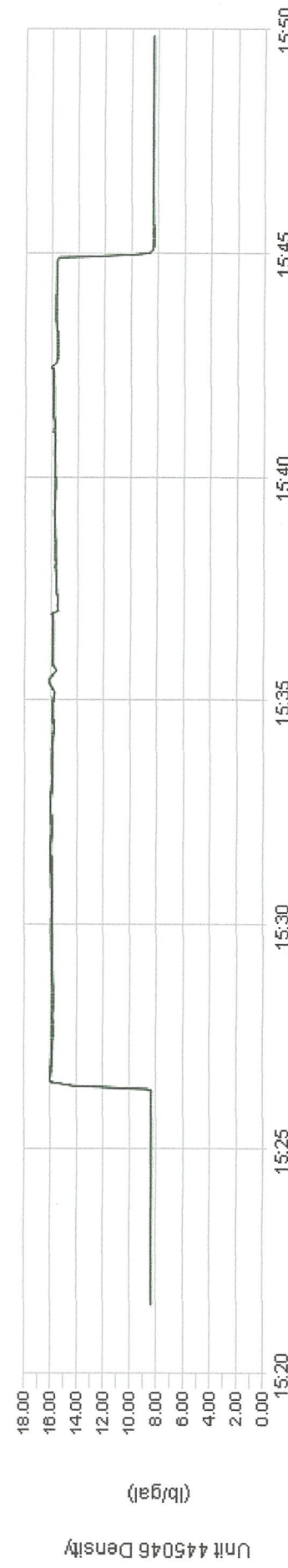
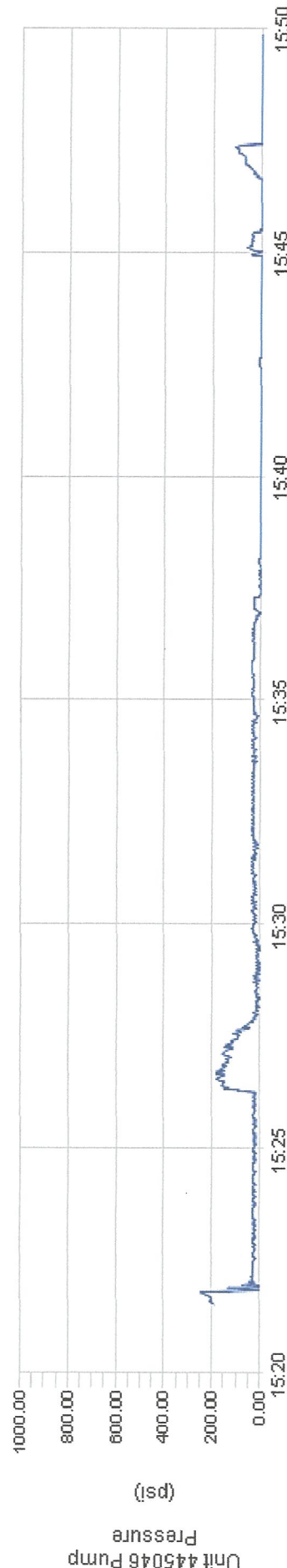
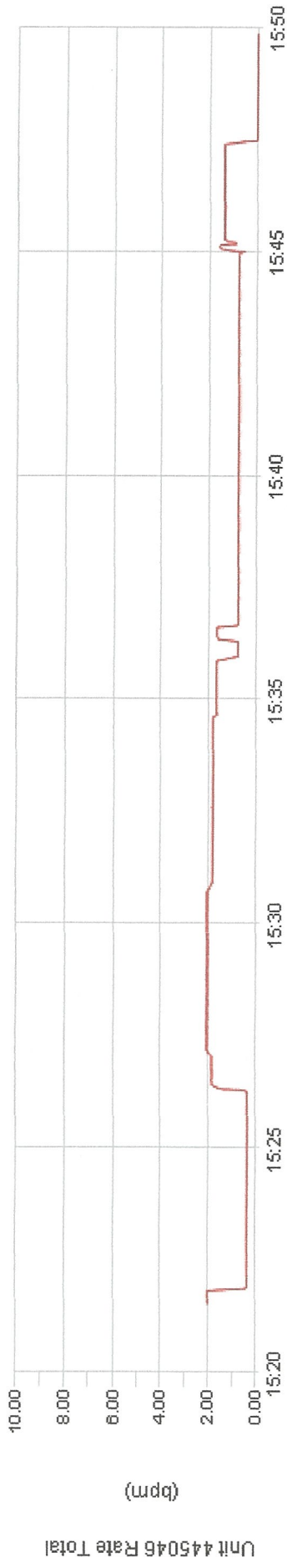


Client: PDC  
 Ticket No.: 3544  
 Location: 265sx G + 2% CaCl2 @ 15.8ppg  
 Comments: 265sx G + 2% CaCl2 @ 15.8ppg  
 Client Rep: Bud Holman  
 Well Name: Green Trust 24-24  
 Job Type: Abandonment Plugs  
 Supervisor: Joyner  
 Unit No.: 445046  
 Service District: Brighton  
 Job Date: 04/11/2018



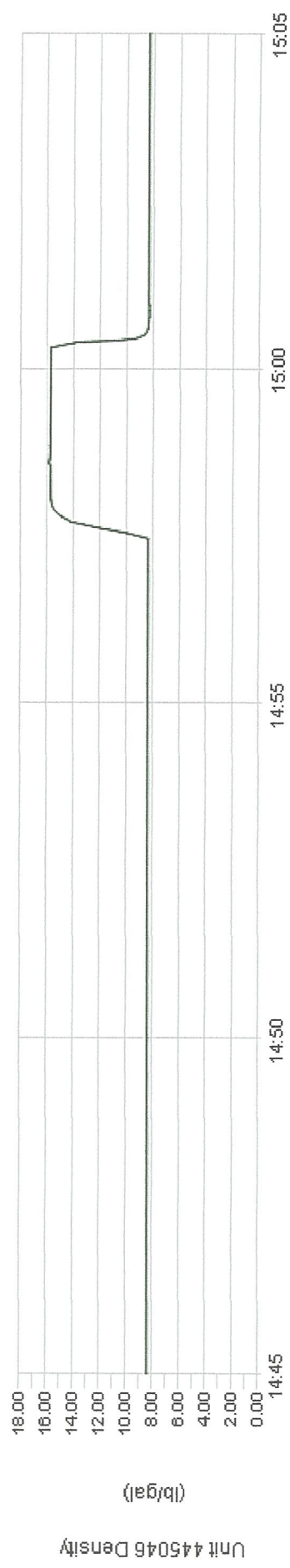
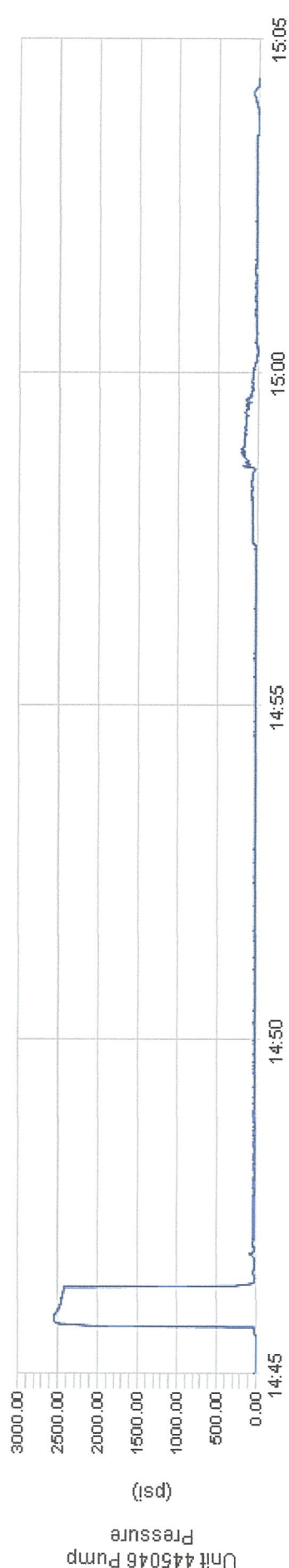
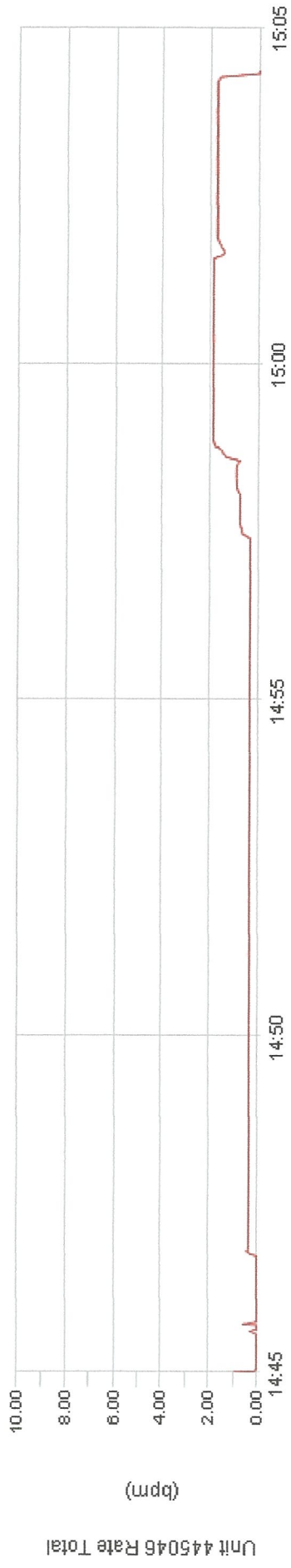


**Client** PDC  
**Ticket No.** 3544  
**Location** 175sx G + 2% CaCl2 @ 15.8ppg  
**Comments**  
**Client Rep** Bud Holman  
**Well Name** Green Trust 24-24  
**Job Type** Abandonment Plugs  
**Supervisor** Joyner  
**Unit No.** 445046  
**Service District** Brighton  
**Job Date** 04/11/2018





Client Ticket No. 3544 PDC  
 Location 20sx G + 2% CaCl2 @ 15.8ppg  
 Comments  
 Client Rep Bud Holman  
 Well Name Green Trust 24-24  
 Job Type Abandonment Plugs  
 Supervisor Joyner  
 Unit No. 445046  
 Service District Brighton  
 Job Date 04/11/2018



CASEHOLE SOLUTIONS



CUSTOMER P. O. NUMBER <b>Rev.032718 A</b>	SERVICE ORDER <b>F1536</b>	PAGE <b>1 of 1</b>
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.		DATE <b>04/10/2018</b>
TO CASEHOLE SOLUTIONS, INC You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:		

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER	COMPANY	<b>PDC ENERGY</b>		
FURNISHED	LEASE	<b>Green Trust</b>	WELL NUMBER	<b>24-24</b>
LEASE/WELL	LEGAL & LOCATION	<b>05-123-22326</b>		
INFORMATION	FIELD	<b>Wattenberg</b>	PARISH/COUNTY	<b>Weld</b>
			STATE	<b>Colorado</b>

THE UNDERSIGNED, HEREINAFTER REFERRED TO AS CUSTOMER AGREES TO PAY YOU FOR THE ABOVE SPECIFIED SERVICE(S) (INCLUDING LEASED EQUIPMENT) AND ANY ADDITIONAL SERVICE(S) REQUESTED, AT THE FIELD OFFICE OF CASEHOLE SOLUTIONS, INC. IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE.  
IN CONSIDERATION OF THE PRICES AS ARE SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE (ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US.  
WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.

CUSTOMER NAME **PDC ENERGY**

INVOICE MAILING ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE \_\_\_\_\_

Thank you for using Casedhole Solutions!! Total runs, all pages **4**

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER **92-3856** OPERATION TYPE:  DAYLIGHT  WELL TYPE:  WORKOVER  ROUND TRIP MILEAGE \_\_\_\_\_

TRIP:  FIRST  HOISTING TYPE:  WORKOVER RIG

WIRELINE DEPTH \_\_\_\_\_ MAX. WELLHEAD PRESSURE \_\_\_\_\_ PSI BOTTOM HOLE PRESSURE: \_\_\_\_\_ PSI

Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			P - Packoff	each	1					Plug			
2	No Tag - 7150'		P - Gauge Ring or Depth Determination	per run	1					Perf			
3		7138'	P - Plug or Retainer - setting (3rd party)	each	1								
4		7138'	P - Dump Bailer w/ 2x Cement	per run	1								
5	CBL - 2500'-0'		P - Cement Bond Log (2000' - Surface)	each	1								

STANDARD PRICING										NO. SHOTS FIRED			
TOT										0			
TOT										0			
TOTAL DISC										0			
ESTIMATED TOTAL CH										0			

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE **X** \_\_\_\_\_ **Holman** LOGS RECEIVED AT WELL \_\_\_\_\_ CUST. INITIALS \_\_\_\_\_ SIGNATURE OF CASEHOLE SOLUTIONS ENGINEER \_\_\_\_\_ **Meisner, Jacob**

SIZE	WEIGHT	TYPE	FROM	TO	PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV. K.B.
4 1/2		Casing 1						
		Casing 2						
		Tubing			Fluid Type	Fluid Weight	Fluid Level	REMARKS
		Liner			Water	8.345 lbs/gal	feet	District doing job: Fort Lupton, CO
		Drill Pipe			Bottom Hole Temperature	Degrees F		Line of Business: Completions

CASEHOLE ENGINEER NAMES	WORK WITNESSED BY NAME	Class:	Vert. Domestic
Meisner, Jacob	Holman	District job is in:	Fort Lupton, CO
Crew 1		AFE#:	
Crew 2		Engineer:	
Crew 3		MSA#:	
Crew 4			
Crew 5			
Crew 6			

Was catering provided by Casedhole Solutions?  
**NO**

**CASEDHOLE SOLUTIONS**



<b>Rev.032718 A</b>	CUSTOMER P. O. NUMBER	SERVICE ORDER <b>F2486</b>	PAGE 1 of 1
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.			DATE <b>04/11/2018</b>
To CASEDHOLE SOLUTIONS, INC You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:			

SERVICE(S) AND/OR EQUIPMENT REQUESTED

<b>CUSTOMER FURNISHED LEASE/WELL INFORMATION</b>	COMPANY	<b>PDC ENERGY</b>		
	LEASE	<b>Green Trust</b>	WELL NUMBER	<b>24-24</b>
	LEGAL & LOCATION	<b>0</b>	PARISH/COUNTY	<b>Weld</b>
	FIELD	<b>Wattenberg</b>	STATE	<b>Colorado</b>

THE UNDERSIGNED, HEREINAFTER REFERRED TO AS CUSTOMER AGREES TO PAY YOU FOR THE ABOVE SPECIFIED SERVICE(S) (INCLUDING LEASED EQUIPMENT) AND ANY ADDITIONAL SERVICE(S) REQUESTED, AT THE FIELD OFFICE OF CASEDHOLE SOLUTIONS, INC. IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE. IN CONSIDERATION OF THE PRICES AS ARE SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE ( ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US. WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.

CUSTOMER NAME **PDC ENERGY**

INVOICE MAILING ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

**X** \_\_\_\_\_ Thank you for using Casedhole Solutions!! Total runs, all pages **0**

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEDHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER **922338** OPERATION TYPE: \_\_\_\_\_ WELL TYPE: \_\_\_\_\_ ROUND TRIP MILEAGE \_\_\_\_\_

TRIP: \_\_\_\_\_ HOISTING TYPE: \_\_\_\_\_

WIRELINE DEPTH \_\_\_\_\_ MAX. WELLHEAD PRESSURE \_\_\_\_\_ PSI BOTTOM HOLE PRESSURE: \_\_\_\_\_ PSI

Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1		6830	P - Plug or Retainer - setting (3rd party)	each	1					Plug			
		2sx	P - Dump Bailer	per run	1					Perf			
	Cut@1900		P - Jet Cutters (all)	each	1								
			P - Packoff	each	1								

STANDARD PRICING TO \_\_\_\_\_ TO \_\_\_\_\_ TOTAL D \_\_\_\_\_

Runs for this job 3

**ESTIMATED TOTAL C \_\_\_\_\_ NO**

THE SERVICE(S) AND/OR EQUIPMENT COVERED BY THIS SERVICE ORDER HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **X** \_\_\_\_\_ **Bud Holman** LOGS RECEIVED AT WELL \_\_\_\_\_ CUST. INITIALS \_\_\_\_\_ SIGNATURE OF CASEDHOLE SOLUTIONS ENGINEER: \_\_\_\_\_ **Nolan, Gregory**

CASING/TUBING RECORD				PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV K.B.
SIZE	WEIGHT	TYPE	FROM TO	LOG MEAS. FROM	WHICH IS	ABOVE PERM DATUM	D.F. G.L.
4 1/2		Casing 1		Fluid Type	Fluid Weight	Fluid Level	<b>REMARKS</b> District doing job: Fort Lupton, CO Line of Business: Completions Type of Job: Vertical Perf. and Logging Class: Vert. Domestic District job is in: Fort Lupton, CO
		Casing 2		lbs/gal	feet		
		Tubing		Bottom Hole Temperature	Degrees F		
		Liner					
		Drill Pipe					

CASEDHOLE ENGINEER NAMES		WORK WITNESSED BY NAME		AFE#:
Nolan, Gregory	Crew 1	Bud Holman		Engineer: Nolan, Gregory
	Crew 2			MSA#:
	Crew 3			
	Crew 4			
	Crew 5			
	Crew 6			



Field Ticket #  
21695  
Date  
4/10/2018

NO 21695  
4/10/2018

Sater Tools and Services LLC, 2424 6th Ave, Greeley Co 80631 Office 970-356-4644 Fax 970-356-0185

<b>Bill To Customer:</b>	P D C	<b>PO#</b>	PA000734	<b>Lease Name:</b>	Green Trust	<b>Well #:</b>	24-24
<b>Address:</b>	3801 Carson Ave	<b>Field:</b>		<b>County:</b>	CO	<b>Invoice Ref. #:</b>	
<b>City:</b>	Evans	<b>Legal Description:</b>		<b>Job Type:</b>		<b>OCSG #:</b>	
<b>State:</b>	CO	<b>Zip:</b>	80620	<b>Casing Sz &amp; Wt:</b>	4-1/2 11.6#		
<b>Ordered By:</b>	Bud Holman	<b>Service Man:</b>	MERCED TERRAZAS				

NO.	RENTALS/SALES	QTY	PRICE	DSC	TOTAL
1	Rental of 3-7/8 1837 overshot	1			
2	Rental of overshot extension	1			
3	Sale of 1837 3-1/8 overshot grapple with grapple	1			
4	Rental of 3-1/8 bumper sub	1			
5	Rental of 2-3/8 pin x 2-3/8 8rd box	1			
6	Rental of 7-1/16 5K BOP adapter flange	1			
7	Rental of 4-1/2 elevators	1			
8	Rental of 4-1/2 air slips	1			
9	Rental of 4-1/2 lifting sub	2			
10	Rental of 8-5/8 surface head BOP adapter spool	1			
11					
12					
13					
14					
Subtotal Taxable Charges					
<b>SERVICE MANS TIME</b>					
	Service mans time	1			
	Inspection charges	18			
Subtotal Non-Taxable Charges					
<b>MILEAGE</b>					
	Mileage	30			
	Mileage	30			
Subtotal Non-Taxable Charges					

Terms: Net 30 Days

Authorized Agent: Bud H

Date: 4-12-18

