



Well Name: Tracy 31-23

Well Name Tracy 31-23	Operator PDC Energy Inc.	API 05123263780000	Well Number 105.071008	Last Mod By echavez
District Evans	Field Name Wattenberg	County Weld	State CO	
Well Type Development	Surface Legal Location NWNE 23 7N 66W	Spud Date 10/24/2007	Original KB Elevation (ft) 4,910.00	Ground Elevation (ft) 4,900.00
				KB-Ground Distance (ft) 10.00

Daily Operation: 11/16/2017 13:00 - 11/16/2017 19:00

AFE Number	Job Category Abandon	Objective PLUG AND ABANDON WELL ACCORDING TO FORM 6.	Start Date 11/16/2017	End Date 11/17/2017	Primary Job Type Abandon Well	Secondary Job Type
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Rigs

Contractor Ranger Energy Services	Rig Number 003
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Daily Operations

Report Start Date 11/16/2017	Report End Date 11/16/2017	Daily Field Est Total (Cost) 6,220.00	Cum Field Est To Date (Cost) 6,220.00
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Status at Reporting Time

Operations Summary

ITP 1100 PSI, ICP 1200 PSI, ISCP 0 PSI, WELL WAS SHUT IN, MIRU RANGER RIG 03, BLEW DOWN WELL TO RIG TANK, CIRCULATED OIL AND GAS OUT, FUNCTION TESTED BOP, ND PRODUCTION TREE, NU BOP, PULLED 26 JTS TO DERRICK, LD 213 JTS OF 2 3/8 J-55 4.7 ON ATP'S TRAILER, SI AND SECURE WELL FOR THE NIGHT, SD.

Operations Next Report Period

Weather	Temperature (*F)	Hole Condition	Road Condition
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Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
13:00	14:00	1.00	1.00	RMOV	Rig Move	MOVE RIG TO NEW LOCATION.
14:00	15:00	1.00	2.00	SRIG	Rig Up/Down	RIG UP, RIG, PUMP AND TANK.
15:00	16:00	1.00	3.00	CIRC	Circulating	BLOW DOWN WELL, CIRCULATED OIL AND GAS OUT.
16:00	16:30	0.50	3.50	BOPI	Install BOP's	ND PRODUCTION TREE, NU BOP.
16:30	19:00	2.50	6.00	PULT	Pull Tubing	LAY DOWN 213 JTS ON ATP'S TRAILER, PULL 26 JTS TO DERRICK.



Well Name: Tracy 31-23

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District Evans	Field Name Wattenberg	County Weld	State CO	
Well Type Development	Surface Legal Location NWNE 23 7N 66W	Spud Date 10/24/2007	Original KB Elevation (ft) 4,910.00	Ground Elevation (ft) 4,900.00
				KB-Ground Distance (ft) 10.00

Daily Operation: 11/17/2017 06:00 - 11/17/2017 19:00

AFE Number	Job Category Abandon	Objective PLUG AND ABANDON WELL ACCORDING TO FORM 6.	Start Date 11/16/2017	End Date 11/17/2017	Primary Job Type Abandon Well	Secondary Job Type
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Rigs

Contractor Ranger Energy Services	Rig Number 003
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Daily Operations

Report Start Date 11/17/2017	Report End Date 11/17/2017	Daily Field Est Total (Cost) 19,583.00	Cum Field Est To Date (Cost) 25,803.00
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Status at Reporting Time

Operations Summary

NO PRESSURES, OPENED WELL, MIRU RANGER WIRE LINE, MADE A GAUGE RING RUN DOWN TO 7360' (3.625"), PU 4 1/2 10K (3.6") CIBP, RIH WITH WIRE LINE, SET CIBP AT 7066' CORRELATED WITH LOGS, SPOTTED 2 SACKS OF CEMENT ON TOP OF THE PLUG, LOADED THE HOLE WITH WATER, PRESSURE TESTED CASING AND PLUG UP TO 1000 PSI, HELD GOOD FOR 15 MINUTES, LOGGED FROM 500' UP TO SURFACE, FOUND CEMENT TOP AT 340', PU PERFORATING GUNS, SHOOT 4 CIRCULATING HOLES AT 300', RD WIRE LINE, RU CIRCULATING EQUIPMENT, CONDITIONED WELL WITH MUD FOR 1 HOUR, RAN 26 JTS OF 2 3/8 J-55 DOWN TO 852', BROKE CIRCULATION WITH WATER, MIRU O-TEX CEMENT TRUCKS, HELD SAFETY MEETING, PRESSURE TESTED LINES UP TO 2500 PSI, NO LEAKS, ESTABLISHED CIRCULATION WITH WATER, PUMPED 322 SACKS (66 BBL) OF 15.8 CLASS G CEMENT AND GOT CEMENT ON RETURNS, LD PIPE ON THE TRAILER, OPENED SURFACE VALVE TO THE TANK, PUMPED CEMENT FROM THE HOLES AT 300' UP TO SURFACE, TOOK 78 SACKS (15.8 BBL) TO GET CEMENT UP TO SURFACE, PUMPED TOTAL OF 332 SACKS (68 BBL) TO WELL AND 24 SACKS TO CEMENT TANK, CLEAN UP EQUIPMENT FROM CEMENT, ND BOP, RACK PUMP AND TANK, RDMOL. MOVE IN RANGER CUT AND CAP CREW, DUG DOWN 6' CUT OFF WELL HEAD, WELDED CAP ONTO SURFACE, INSTALLED MARKER PLATE ON CAP, BACKFILLED, SHUT DOWN.

FINAL REPORT.

239 JTS OF 2 3/8 J-55 SOLD TO KARST.

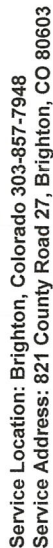
Operations Next Report Period

FINAL REPORT.

Weather	Temperature (°F)	Hole Condition	Road Condition
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Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	07:00	1.00	1.00	TRAV	Travel - To Location	CREW TRAVEL, SAFETY MEETING.
07:00	09:00	2.00	3.00	WLWK	Wireline	MADE A GAUGE RING RUN, SET A CIBP AT 7160' WITH 2 SACKS OF CEMENT ON TOP OF THE PLUG, LOG FROM 500' UP TO SURFACE, SHOOT HOLES ON CASING AT 300'.
09:00	09:30	0.50	3.50	PTST	Pressure Test	LOAD CASING, PRESSURE TEST CASING UP TO 1000 PSI.
09:30	10:30	1.00	4.50	CIRC	Circulating	CONDITION THE HOLE WITH MUD FOR 1 HOUR.
10:30	11:30	1.00	5.50	RUTB	Run Tubing	RAN 27 JTS DOWN TO 839'.
11:30	14:00	2.50	8.00	CEMT	Cement Squeeze	PUMPED CEMENT UP TO SURFACE.
14:00	15:00	1.00	9.00	PULT	Pull Tubing	LD PIPE, TOP OFF WITH CEMENT.
15:00	16:00	1.00	10.00	BOPR	Remove BOP's	ND BOP, CLEAN UP EQUIPMENT.
16:00	17:00	1.00	11.00	SRIG	Rig Up/Down	RACK PUMP AND TANK, RDMOL.
17:00	18:00	1.00	12.00	TRAV	Travel - From Location	



TN # FL2628

Well Name:	Asbury V3-14	Job Type:	Nio Plug
County:	Weld	Service Supervisor:	Scott, Derek
State:	Colorado		
API #	05-123-16899		
AFE #		Pump #1	445051
		Pump #2	

[illegible]

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

Customer Authorized Agent:



Job Summary

Ticket Number

TN#

FL2633

Ticket Date

11/17/2017

COUNTY

COMPANY

API Number

Weld**PDC Energy, Inc.****05-123-26378**

WELL NAME

RIG

JOB TYPE

Tracy 31-23**Ranger #3****Surface Plug**

SURFACE WELL LOCATION

O-TEX Field Supervisor

CUSTOMER REP

NWNE 23-7N-66W**Scott, Derek****Eduardo Chavez**

EMPLOYEES

*Watkins, Robert**Cicalla, David*

WELL PROFILE

Max Treating Pressure (psi):

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)
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

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	300		

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		0	839		

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		0	839		

CEMENT DATA

Stage 1:

From Depth (ft):

0

To Depth (ft):

839

Type: Plug

Volume (sacks):

136

Volume (bbls):

27.9

Cement & Additives:

Density (ppg)

Yield (ft³/sk)

Water Req.

100% Class G

15.8

1.15

5.00

SUMMARY

				Stage 1	Stage 2
Preflushes:	4 bbls of	Fresh Water	Calculated Displacement (bbl):		
	bbls of		Actual Displacement (bbl):		
	bbls of				
Total Preflush/Spacer Volume (bbl):	4		Plug Bump (Y/N):	N/A	Bump Pressure (psi): N/A
Total Slurry Volume (bbl):	26.9		Lost Returns (Y/N):	N (if Y, when)	
Total Fluid Pumped	30.9				
Returns to Surface:	Cement	3 bbls			

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

First we filled up the 4.5" production casing with 66sx (13.5bbls) then we filled up the 4.5"-8.625" annulus with 65sx (13.4bbls). We topped off with 5sx (1bbl). Job went well.

Thank You For Using

O - TEX Pumping

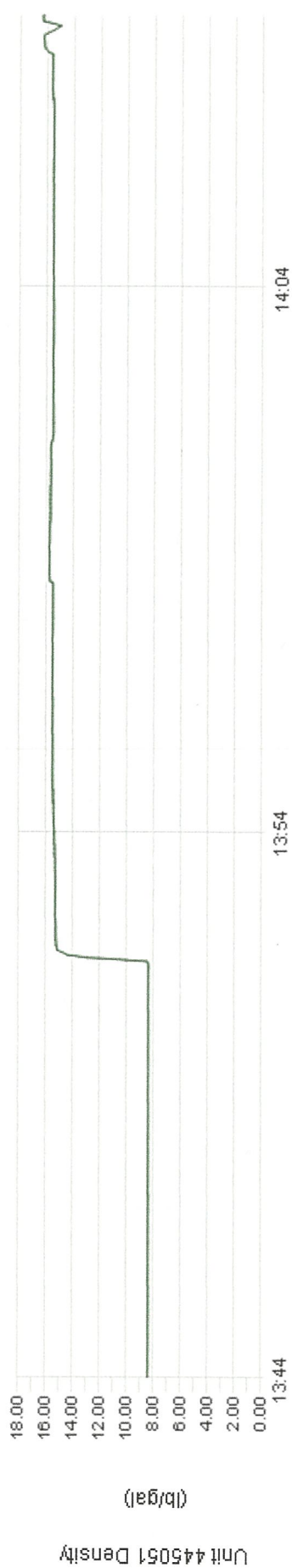
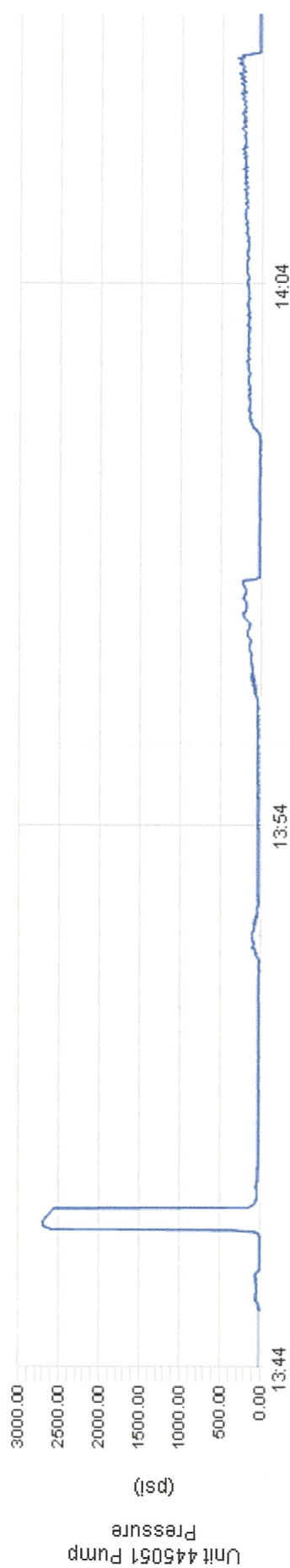
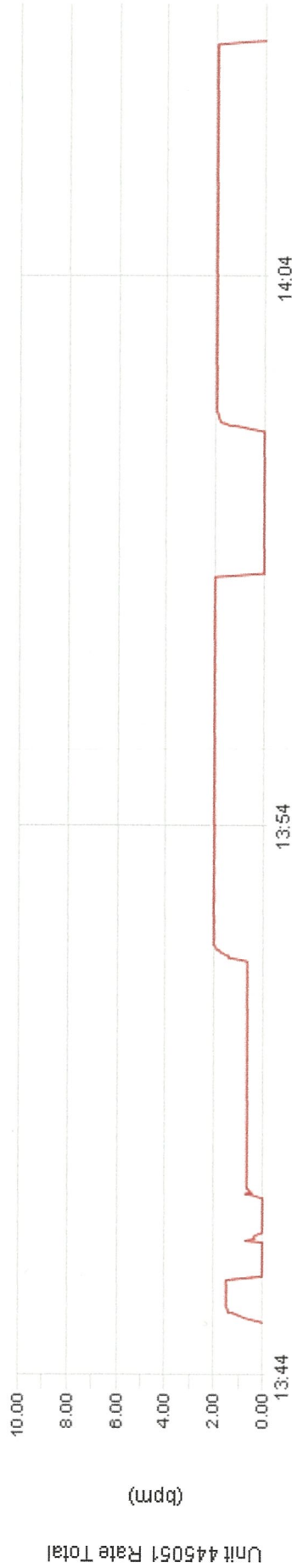
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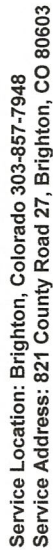
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Client	PDC Energy	Supervisor	Derek Scott
Ticket No.	2633	Unit No.	445051
Location	NWNE 23-7N-66W	Service District	Brighton, CO
Comments		Job Date	11/17/2017

Client Rep	Eduardo Chaves
Well Name	Tracy 31-23
Job Type	Abandonment Plugs





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

TN # FL2633

Service Date:	11/17/2017	Well Name:
Customer:	PDC Energy, Inc.	
Address:	PO Box 26	County:
City:	Attn: Accounts Payable	State:
St:	Bridgeport	API #
Customer Rep:	WV 26330	APE #
	Eduardo Chavez	

Tracy 31-23	Job Type:	Surface Plug
Weld	Service Supervisor:	Scott, Derek
Colorado		
05-123-26378		
	Pump #1	445051
	Pump #2	

[illegible]

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

Customer Authorized Agent:



Job Summary

Ticket Number
TN# FL2628
Title Date
11/17/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-16899
WELL NAME	RIG	JOB TYPE
Asbury V3-14	Brigade# 7	Nio Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SESW Sec 3	Scott, Derek	Eduardo Chavez

EMPLOYEES

Watkins, Robert		
Cicalla, David		

WELL PROFILE

Max Treating Pressure (psi):	2000	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)
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	1.25	2.3		0	7173		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	2.875	6.5		0	7173		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1:	From Depth (ft):	7173	To Depth (ft):	4841
Type: Nio Plug	Volume (sacks):	50	Volume (bbls):	13.5

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Thermal 35+0.3% CFR-2+0.3% ASM-3	15.8	1.52	6.25

SUMMARY

	Stage 1	Stage 2
Preflushes: 7 bbls of Fresh Water	Calculated Displacement (bbl): 8	
	Actual Displacement (bbl): 8	
Total Preflush/Spacer Volume (bbl): 7	Plug Bump (Y/N): N/A	Bump Pressure (psi): N/A
Total Slurry Volume (bbl): 13.5	Lost Returns (Y/N): N (if Y, when)	
Total Fluid Pumped: 28.5		
Returns to Surface: Cement 0 bbls		

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

CIBP @ 7173'. Job went well.

Thank You For Using

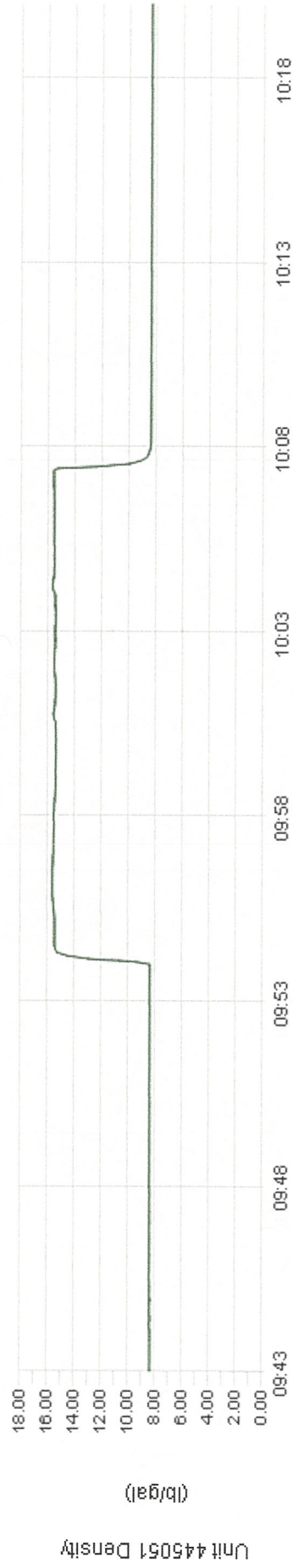
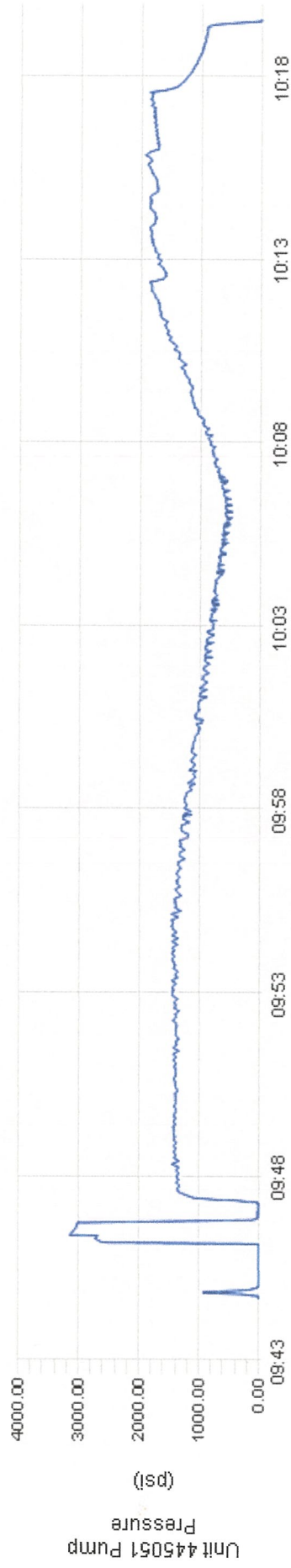
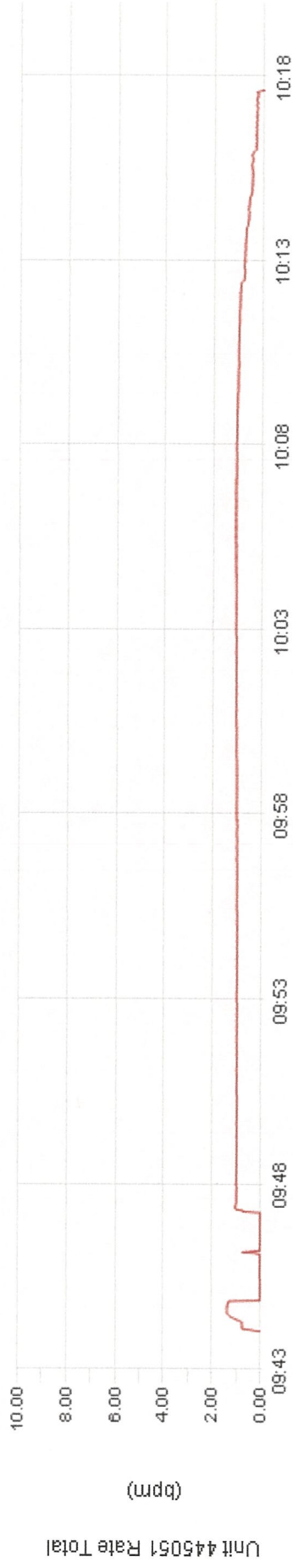
O - TEX Pumping

Customer Representative Signature: _____

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Client	PDC Energy	Client Rep	Eduardo Chaves	Supervisor	Derek Scott	
Ticket No.	2628	Well Name	Asbury V3-14	Unit No.	445051	
Location	SESW 3	Job Type	Abandonment Plugs	Service District	Brighton, CO	
Comments	50sx Thermal 35 @ 15.8ppg 1.52/yield. Robert Watkins				Job Date	11/17/2017



WALTER CORPORATION

Walter Corporation, LLC 33250 CR 53 Gill, CO 80624

Office: 970.301.2028

Fax: 970.284.6682

Field Ticket #

20544

Date

Nº 20544

11/17/2017

Bill To Customer:		P D C		PO#		Lease Name:		Tracy		Well #		31-23	
Address:		3801 Carson Ave				County:		Weld		CO		Invoice \	
City:		Evans				Job Type:						OCSG #:	
State:		CO		Zip:		80620		Casing Sz & Wt:					
Ordered By:		Eduardo Chavez				Service Man							

NO.	RENTALS/SALES	QTY	PRICE	DSC	TOTAL
1	Sale of 4- 1/2 D & H CIBP	1	700.00		\$700.00
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					\$700.00
SERVICE MANS TIME					
					\$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
Terms: Net 30 Days					
Total Service & Material:					\$700.00
Tax:					\$20.30
TOTAL CHARGES:					\$720.30

Authorized Agent:

Eduardo Chavez

Date: 11-17-17

RANGER ENERGY SERVICES, LLC

WIRELINE DIVISION

3333 Center Dr
Milliken, Co



Service Date:

Company Name: PDC		Company Address:		Field Ticket Number: 30001779
Well Name: Tracy 31-23	Field: WATTENBERG	County: WELD	State: COLORADO	Rig Name & Number: RANGER RIG #3
SERVICE NOTES: JCGR to 7370' / STS CIBP set 7066' with 2 sx cement / CBL 1000' to surface / J Perf 1' 4spf @ 300'			Date: 11/17/2017	Wireline Unit # 222 Engineer: J. JOHNSON Operator: T. VAN NEST

RUN	CODE	DESCRIPTIONS	QTY	UNIT PRICE	DISCOUNT	AMOUNT
1	1000-001	Set Up Charge Cased Hole Unit	1	\$ 1,500.00		\$ 450.00
	3000-001	Packoff Operation Charge 0#-1000#	1	\$ 900.00		\$ 288.00
	2000-003	API Type 6BX, 5,000 lb. WP 13-3/8" and smaller	1	\$ 205.00		\$ 61.50
2	8000-009	Junk Catcher / Gauge Ring Depth Charge	7370	\$ 0.30		\$ 685.41
	8000-010	Junk Catcher / Gauge Ring Operation Charge	1	\$ 500.00		\$ 110.00
3	8000-001	Bridge Plug Depth Charge	7066	\$ 0.30		\$ 657.14
	8000-002	Bridge Plug Operation Charge	1	\$ 500.00		\$ 135.00
	8000-015	Setting Tool Rental, per tool	1	\$ 1,200.00		\$ 360.00
	7000-006	Dump Bailer Depth Charge	7066	\$ 0.30		\$ 657.14
	7000-007	Dump Bailer Operation Charge	1	\$ 500.00		\$ 110.00
4						
5						
6	4000-017	Cement Bond Log Depth Charge	1000	\$ 0.50		\$ 170.00
	4000-018	Cement Bond Log Operation Charge	1000	\$ 0.50		\$ 170.00
	4000-009	Simultaneous Gamma Ray Log Depth Charge	1000	\$ 0.12		\$ 40.80
7	4000-010	Simultaneous Gamma Ray Log Operation Charge	1000	\$ 0.12		\$ 40.80
	4000-013	Simultaneous CCL Log Depth Charge	1000	\$ 0.10		\$ 34.00
	4000-014	Simultaneous CCL Log Operation Charge	1000	\$ 0.10		\$ 34.00
	6200-000	Hollow Carrier Depth Charge (Expendable)	6000	\$ 0.20		\$ 720.00
	6400-000	Scalloped Gun Carriers, per shot	40	\$ 20.00		\$ 480.00
8	8000-014	Standard Set Power Charge	1	\$ 250.00		\$ 250.00

SUB TOTAL	\$	5,453.79
Bulk Discount	\$	-
TAX	\$	-
TOTAL	\$	5,453.79

Customer Signature:	Customer Name Printed:	Ranger Energy Services Representative Signature:
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The above estimated charges and data shown are subject to change by Ranger Energy Services, LLC. Payment terms are net 30 Days.