

TICKET	BCO-1811-0097
DATE	11/15/2018
CREW INFORMATION	
SUPERVISOR	Larry Laslie
PUMP UNIT	445052
NUMBERS	
ARRIVAL (D&T)	11/15/18 8:00 AM
DEPARTURE (D&T)	11/15/18 10:20 AM

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Customer Name Printed \_\_\_\_\_

Customer Signature \_\_\_\_\_

Date Signed \_\_\_\_\_

# Job Summary

Ticket Number  
**TN# BCO-1811-0097**

Ticket Date  
**11/15/2018**

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>PDC ENERGY</b>	<b>05-123-20239</b>
WELL NAME	RIG	JOB TYPE
<b>Dunn 23-7</b>	<b>Ensign 354</b>	<b>Plug to Abandon</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.411195 104.594696</b>	<b>Larry Laslie</b>	<b>Bud holman</b>

EMPLOYEES		
<i>James McFarland</i>		
<i>David Cicalla</i>		

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

## Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (ft)	TVD to (ft)
	14	412	578		
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	412		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (ft)	TVD to (ft)
TUBING	2.325	4.6		0	612		
Type	Size (in)	Weight (lb/ft)	Grade	TMD to (ft)		TVD From (ft)	TVD to (ft)

## CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	<b>0</b>	To Depth (ft):	<b>578</b>
Type: <b>Shoe Plugs</b>	Volume (sacks):	<b>178</b>	Volume (bbls):	<b>42</b>
Cement & Additives:				
	CJ922	Density (ppg):	14.8	Yield (ft³/sk): 1.33
				Water Req. 6.32

<b>Stage 2:</b>	From Depth (ft):		To Depth (ft):	
Type: <b>Surface Plug</b>	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
		Density (ppg):		Yield (ft³/sk):
				Water Req.:

<b>Stage 3:</b>	From Depth (ft):		To Depth (ft):	
Type: <b>Top Off</b>	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
		Density (ppg):		Yield (ft³/sk):
				Water Req.:

<b>Stage 4:</b>	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
		Density (ppg):		Yield (ft³/sk):
				Water Req.:

## SUMMARY

Preflushes:	<b>5</b> bbls of <b>Fresh Water</b>	Calculated Displacement (bbl):	<b>Stage 1</b>	<b>Stage 2</b>
	bbls of	Actual Displacement (bbl):		
	bbls of			
Total Preflush/Spacer Volume (bbl):	<b>5</b>	Plug Bump (Y/N):	<b>n/a</b>	Bump Pressure (psi): <b>n/a</b>
Total Slurry Volume (bbl):	<b>42</b>	Lost Returns (Y/N):	<b>n</b>	(if Y, when)
Total Fluid Pumped	<b>47</b>			
Returns to Surface:	<b>Cement</b>	<b>bbls</b>		

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

Job notes go here!

Customer Representative Signature:


Thank You For Using  
**CJES O-TEX Cementing**



**C&J ENERGY SERVICES**

1 of 1  
11/15/2018



	PDC ENERGY	YARD CALL	11/14/2018			DISTRICT	
	Dunn 23-7	RTS DATE	11/15/2018			Brighton	
		YARD RTN					
CUSTOMER INFORMATION		1.08c					
Customer Name	PDC ENERGY	WELL INFORMATION		WELL DATA		TUBULAR DATA	
Customer #:	1000700	API #:	05-123-20239	Casing Size	8.625	Size	
AFE #:		Field Name:	Wattenberg	Depth		Grade	
Cust Rep on Loc:	Bud holman	Well Name:	Dunn 23-7	TVD	612 ft	Weight	
Cust Phone #:	970-301-3897			MD	612 ft	Depth	
Order Placed By:	Bud holman	Well Type:	Oil	OH		Casing	
Phone #:		Formation:	Surface	OH Depth		CEMENTING PLUG	
Proposed Job Amt:	\$8,024.75	Rig Contractor:	Ensign	BHST	60°F	Qty	Size
		Rig Name/Num.:	Ensign 354	BHCT	0°F	1	8.625
		Rig Phone:		Est. BHST/BHCT		60°F / 0°F (API) (0.00°F/100ft)	
		County:	Weld	MD / TVD	612 ft / 612 ft	TOP CONNECTION	
		State:	CO	Mud Weight & Type		Size	Type
		Latitude:	40.411195	Open Hole	14 in. O.H. (412 to 612 ft)	Thread	
		Longitude:	104.594696			JOB TYPE	
		Township:	NESW 7 5N64W	Previous Casing	8.625 in. 24# (0 to 412 ft)	Plug to Abandon	
		Quote Number:	3-BCO_181112155440				
COMMENTS							
SPECIAL JOB INSTRUCTIONS							
100# Sugar							
DIRECTIONS TO WELL							
Directions to well with program							
Emergency Contacts							
Nearest Hospital		Greely		Phone Number:			
Police Department		Greely		Phone Number:			
Fire Department		Greely		Phone Number:			
Designated Emergency Vehicle		201400		Vehicle Location:			
MSDS on Dash of Emergency Vehicle? (y/n)							
Muster Area #1	Lease Entrance						
Muster Area #2	Cross-up Wind						
Cell Phone Service on location? (y/n)							
If not, nearest working phone							
Iron Tracking							
	Taken Out			Returned			
Iron Type	Taken By	Date Out	Time Out	Returned By	Date In	Time In	

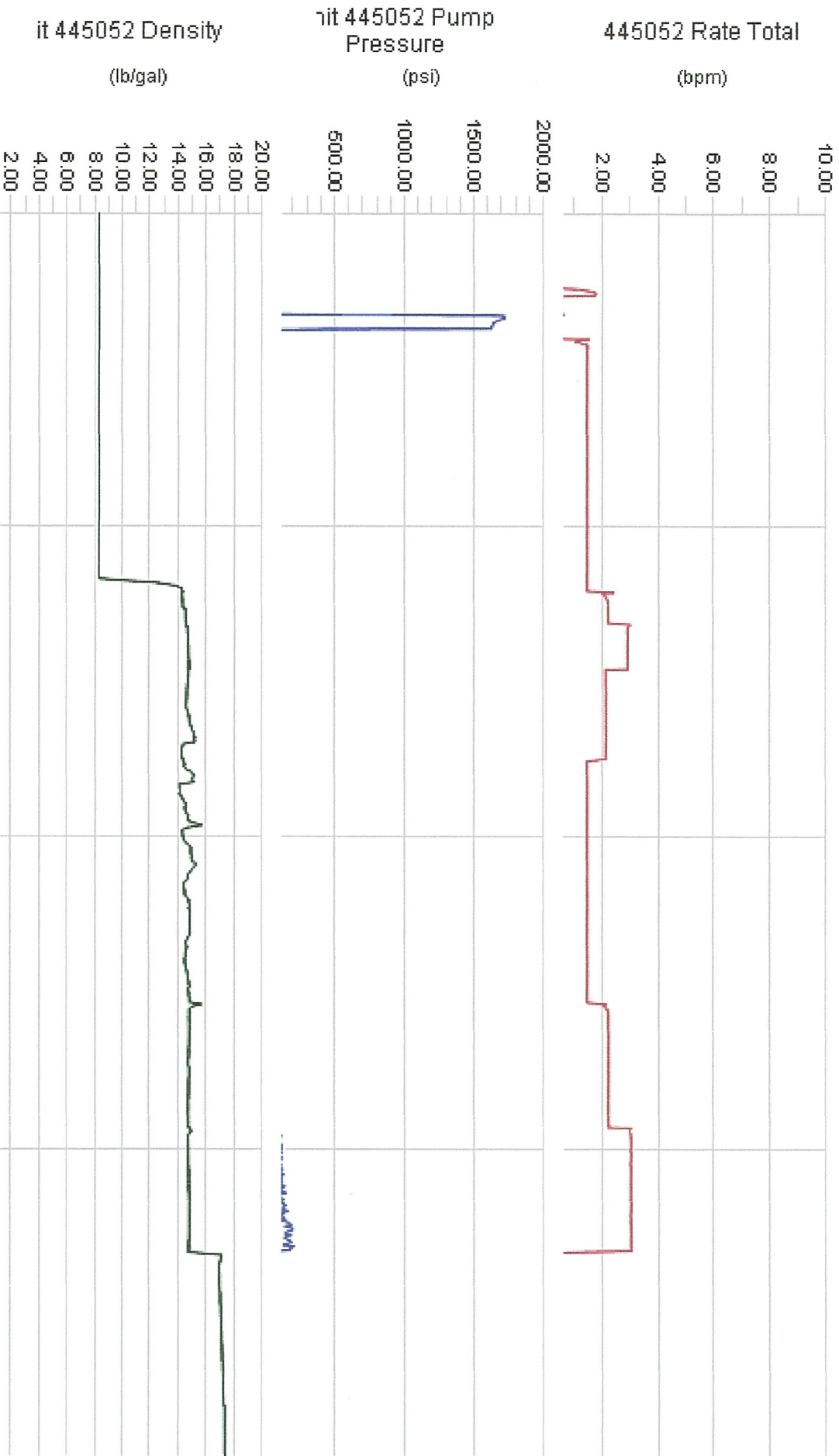


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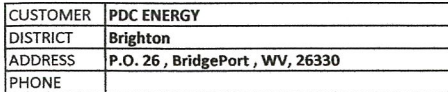




Client	PDC Energy	Client Rep	Bud Holman	Supervisor	Larry Laslie
Ticket No.	18110097	Well Name	Dunn 23-7	Unit No.	445052
Location	NESW 7 5N 64W	Job Type	Abandonment Plugs	Service District	Brighton
Comments	Pump Per Customer request			Job Date	11/15/2018







AFE #		PO:	
LEASE NAME / NUMBER		API WELL NUMBER	
Dunn 23-7		05-123-20239	
SECTION	TOWNSHIP	RANGE	COUNTY, STATE
7	5	64	Weld, CO
WELL PERMIT NUMBER		JOB TYPE	
		Plug to Abandon	

TICKET	BCO-1811-0096
DATE	11/14/2018
CREW INFORMATION	
SUPERVISOR	Austin Klosterman
PUMP UNIT	445052
NUMBERS	
ARRIVAL (D&T)	11/14/18 2:00 PM
DEPARTURE (D&T)	11/14/18 5:00 PM


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Customer Name Printed \_\_\_\_\_

Customer Signature \_\_\_\_\_

Date Signed \_\_\_\_\_



	PDC ENERGY	YARD CALL	11/13/2018		DISTRICT
	Dunn 23-7	RTS DATE	11/14/2018		Brighton
		YARD RTN	11/14/2018		

CUSTOMER INFORMATION		WELL INFORMATION		WELL DATA		TUBULAR DATA			
Customer Name	PDC ENERGY	API #:	05-123-20239	Casing Size	4 1/2" 10.5#	Size	Grade	Weight	Depth
Customer #:	1000700	Field Name:	Wattenberg	Depth	1500'	2 3/8"		4.7	1615'
AFE #:		Well Name:	Dunn 23-7	TVD	1500'	Casing 4 1/2" Production - Cut @ 1500'			
Cust Rep on Loc:	Bud Holman			MD	1500'				
Cust Phone #:	970-301-3897	Well Type:	Oil	OH	10"				
Order Placed By:	Bud Holman	Formation:	Surface	OH Depth	1500'				
Phone #:		Rig Contractor:	Ensign	BHST					
Proposed Job Amt:	\$7,235.36	Rig Name/Num.:	Ensign 354	BHCT					
JOB INFORMATION		Rig Phone:		Est. BHST/BHCT	#N/A				
Ticket #:	BCO-1811-0096	County:	Weld	MD / TVD	#N/A		TOP CONNECTION		
PO #:		State:	CO	Mud Weight & Type	#N/A		Size	Type	Thread
Order Taken By:	Milo	Latitude:	40.411195/	Open Hole	10" OH - From 1500' to 897'		2 3/8"	Swedge	8 Round
Order Date:	11/13/2018	Longitude:	104.594696					JOB TYPE	
CJES Acct. Manager:	Adam DeSaules	Township:	10031	Previous Casing	#N/A		Plug to Abandon		
CJES Engineer	Adam DeSaules	Quote Number:	3-BCO_181112155440						

COMMENTS			
Job went according to program and customer's request. Job went well.			

SPECIAL JOB INSTRUCTIONS			
100# Sugar			

DIRECTIONS TO WELL			
Directions to well with program			

Emergency Contacts			
Nearest Hospital	Greeley, CO	Phone Number:	911
Police Department	Greeley, CO	Phone Number:	911
Fire Department	Greeley, CO	Phone Number:	911

Designated Emergency Vehicle	C&J Pick Up	Vehicle Location:	Lease entrance
MSDS on Dash of Emergency Vehicle? (y/n)	Yes in Sup's laptop		

Muster Area #1	Lease entrance
Muster Area #2	Wind depending

Cell Phone Service on location? (y/n)	Yes
If not, nearest working phone	

Iron Tracking						
Iron Type	Taken Out			Returned		
	Taken By	Date Out	Time Out	Returned By	Date In	Time In



**C&J ENERGY SERVICES**

Serv. Supervisor: **Austin Klosterman**

Serv. Center Brighton - 3021

County:	Weld	State:	CO
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Type of Job:	Plug to Abandon
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Materials Furnished by C&J ENERGY SERVICES

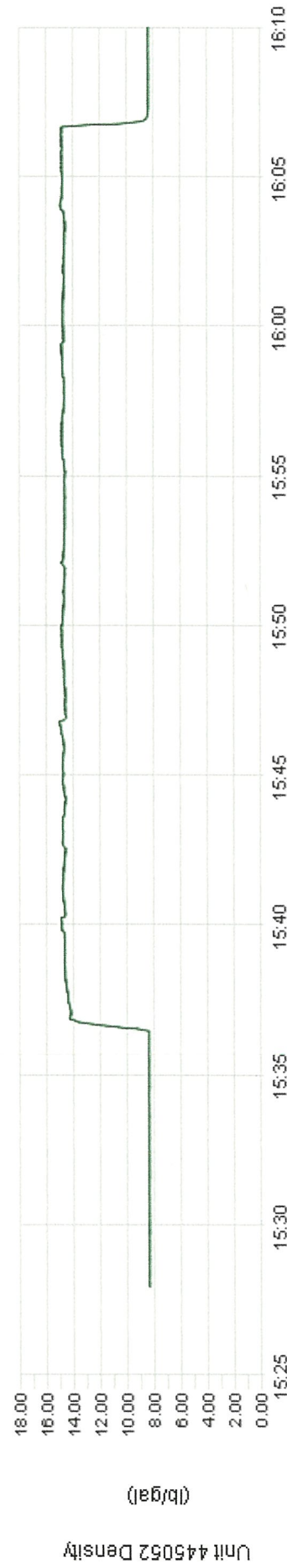
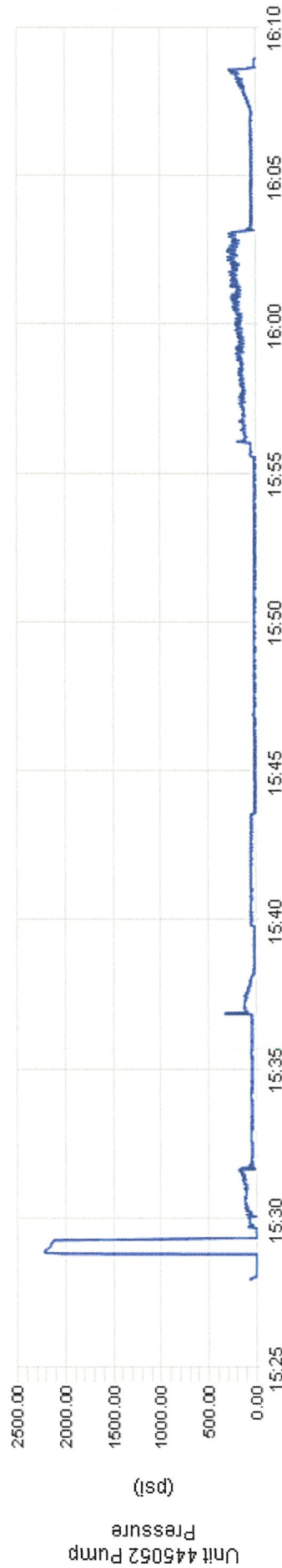
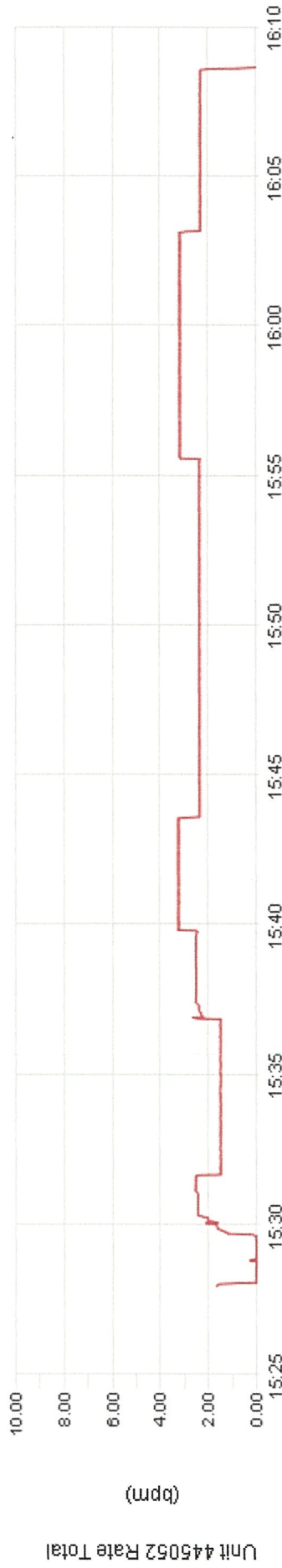
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11/14/2018



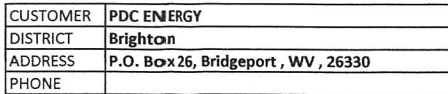
Client PDC  
Ticket No. 1811-0096  
Location Sec7:T5N:R64W  
Comments See job log.

Client Rep Bud Holman  
Well Name Dunn 23-7  
Job Type Abandonment Plugs

Supervisor A. Klosterman  
Unit No. 445052  
Service District Brighton, CO  
Job Date 11/14/2018







TICKET	BCO-1811-0095
DATE	11/14/2018
CREW INFORMATION	
SUPERVISOR	Brian Douglass
PUMP UNIT	445047
NUMBERS	
ARRIVAL (D&T)	11/14/18 8:00 AM
DEPARTURE (D&T)	11/14/18 10:00 AM

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Customer Name Printed \_\_\_\_\_

Customer Signature \_\_\_\_\_

Date Signed \_\_\_\_\_



# Job Summary

Ticket Number  
TN# **BCO-1811-0095** Ticket Date  
**11/14/2018**

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>PDC ENERGY</b>	<b>05-123-20239</b>
WELL NAME	RIG	JOB TYPE
<b>Dunn 23-7</b>	<b>Ensign 354</b>	<b>Plug to Abandon</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.411195 104.594696</b>	<b>Brian Douglass</b>	<b>Bud holman</b>

EMPLOYEES
James Bell
Ben Brewer

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

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)
Production	4.5	10.5		0	3220		
Tubing	2.375	4.7	J55	0	3220		

## CEMENT DATA

Stage 1:

Type: **Balance Plug**

From Depth (ft): **3032** To Depth (ft): **3220**

Volume (sacks): **15** Volume (bbls): **3.07**

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% CJ914	15.8	1.15	5.00

Stage 2:

Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
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Stage 3:

Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
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Stage 4:

Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
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## SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2
		Actual Displacement (bbl):	11.7	
			11.5	
Total Preflush/Spacer Volume (bbl):	5	Plug Bump (Y/N):	n/a	Bump Pressure (psi): n/a
Total Slurry Volume (bbl):	3.07	Lost Returns (Y/N):	n	(if Y, when)
Total Fluid Pumped	20.2			
Returns to Surface:	Mud 1 bbls			


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

Pumped Job per program and customers request.

Customer Representative Signature:

Thank You For Using  
CJES O-TEX Cementing



	<b>PDC ENERGY</b>	YARD CALL	11/14/2018	5:00	DISTRICT	
	Dunn 23-7	RTS DATE	11/14/2018	8:00 AM	<b>Brighton</b>	
		YARD RTN	11/14/2018	10:00 AM		
<b>CUSTOMER INFORMATION</b>		1.08c				
Customer Name	<b>PDC ENERGY</b>	<b>WELL INFORMATION</b>		<b>WELL DATA</b>		<b>TUBULAR DATA</b>
Customer #:	1000700	API #:	05-123-20239	Casing Size	4.5 10.5#	
AFE #:	PA000986	Field Name:	Wattenberg	Depth	3220	
Cust Rep on Loc:	Bud holman	Well Name:	Dunn 23-7	TVD	3220	
Cust Phone #:	970-301-3897	Well Type:	Oil	MD	3220	
Order Placed By:	Bud holman	Formation:		OH	n/a	
Phone #:		Rig Contractor:	Ensign	OH Depth	n/a	
Proposed Job Amt:	\$3,088.71	Rig Name/Num.:	Ensign 354	BHST	n/a	
<b>JOB INFORMATION</b>		Rig Phone:		BHCT	n/a	
Ticket #:	<b>BCO-1811-0095</b>	County:	Weld	Est. BHST/BHCT	#N/A	
PO #:		State:	CO	MD / TVD	#N/A	
Order Taken By:	Milo	Latitude:	40.411195	Mud Weight & Type	#N/A	
Order Date:	11/13/2018	Longitude:	104.594696	Open Hole	#N/A	
CJES Acct. Manager:	Adam DeSaules	Township:	NESW 7 5N64W	Previous Casing	#N/A	
CJES Engineer	Adam DeSaules	Quote Number:	3-BCO_18112155440			
<b>COMMENTS</b>						
<b>SPECIAL JOB INSTRUCTIONS</b>						
100# Sugar						
<b>DIRECTIONS TO WELL</b>						
Direction to well with Program						
<b>Emergency Contacts</b>						
Nearest Hospital		Greeley,CO		Phone Number:		911
Police Department		Greeley,CO		Phone Number:		911
Fire Department		Greeley,CO		Phone Number:		911
Designated Emergency Vehicle		C&J Pickup		Vehicle Location: lease entrance		
MSDS on Dash of Emergency Vehicle? (y/n)		yes				
Muster Area #1	Lease entrance					
Muster Area #2	upwind					
Cell Phone Service on location? (y/n)		yes				
If not, nearest working phone						
<b>Iron Tracking</b>						
	Taken Out			Returned		
Iron Type	Taken By	Date Out	Time Out	Returned By	Date In	Time In



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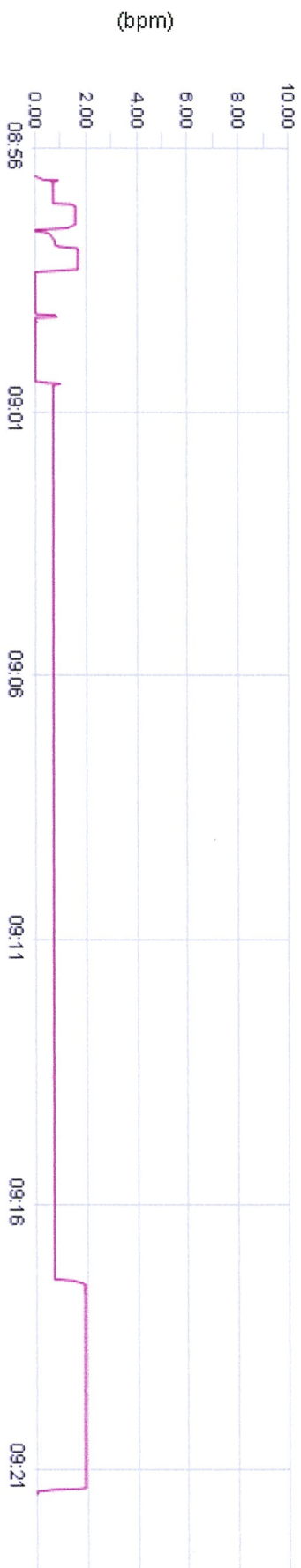


**C&J ENERGY SERVICES**

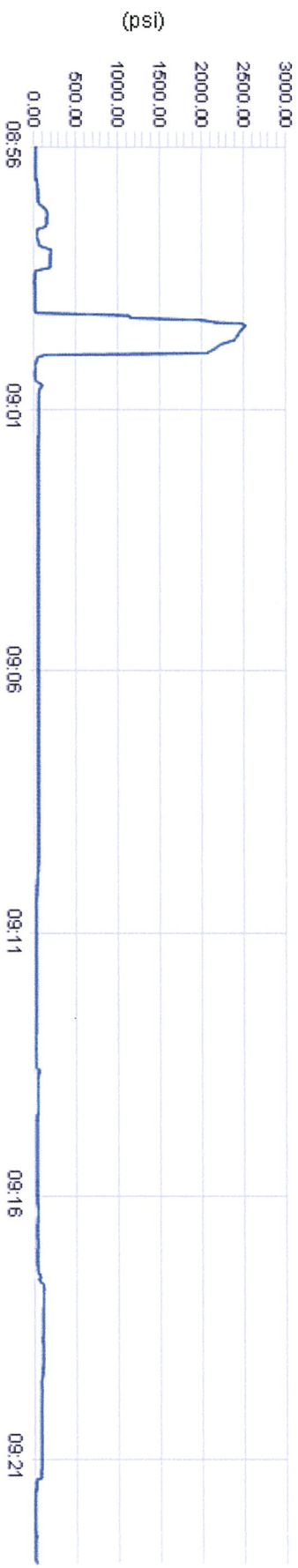
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11/14/2018

<b>Client</b>	PDC ENERGY INC	<b>Client Rep</b>	MR. BUD HOLMAN	<b>Supervisor</b>	BRIAN DOUGLASS
<b>Ticket No.</b>	95	<b>Well Name</b>	DUNN 23-7	<b>Unit No.</b>	445047
<b>Location</b>	NE SW SEC. 7-T5N-R64W	<b>Job Type</b>	Abandonment Plugs	<b>Service District</b>	BRIGHTON, CO
<b>Comments</b>	PLUG 1			<b>Job Date</b>	09/14/2018

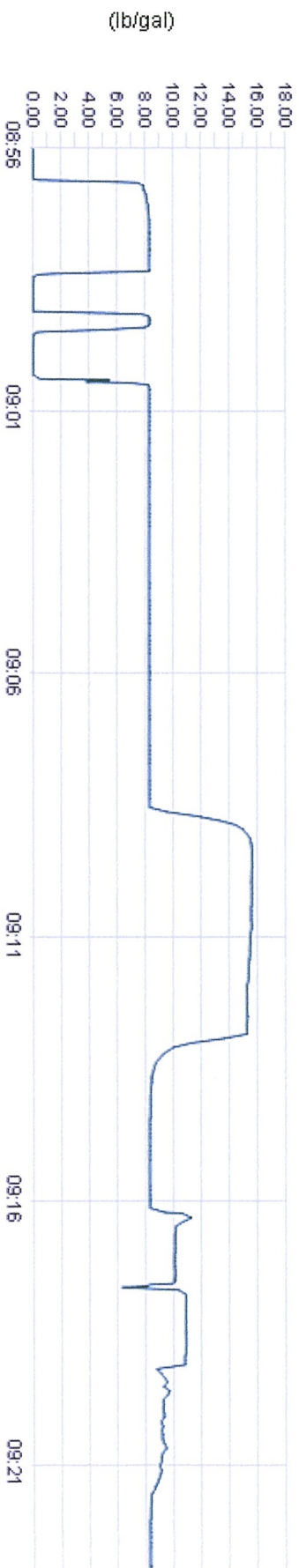
Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density





<b>C&amp;J ENERGY SERVICES</b> // DATA MANAGEMENT		<b>Job Summary</b>		Ticket Number TN# <b>BCO-1811-0096</b>	Ticket Date <b>8/15/2018</b>
COUNTY	COMPANY		API Number		
<b>Weld</b>	<b>PDC ENERGY</b>		<b>05-123-20239</b>		
WELL NAME	RIG	JOB TYPE			
<b>Dunn 23-7</b>	<b>Ensign 354</b>	<b>Plug to Abandon</b>			
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP			
<b>40.411195/ 104.594696</b>	<b>Austin Klosterman</b>	<b>Bud Holman</b>			
EMPLOYEES					
James McFarland					
Nick Marcos					
WELL PROFILE					
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):			
Bottom Hole Circulating Temperature (°F):		Well Type:			

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10"	1500'	897'		
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)
Production	4 1/2"	10.5#		1615'	1500'		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2 3/8"	4.7#		1615'	0'		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	1615'	To Depth (ft):	897'
Type: <b>Stub Plug</b>	Volume (sacks):	255	Volume (bbls):	60.4
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Type III		14.8	1.33	6.32
<b>Stage 2:</b>	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
<b>Stage 3:</b>	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
<b>Stage 4:</b>	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY				
Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	3.5	Stage 1
	bbls of	Actual Displacement (bbl):	3.5	Stage 2
	bbls of			
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	n/a	Bump Pressure (psi):
Total Slurry Volume (bbl):	60.4	Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	73.9			
Returns to Surface:				
Job Notes (fluids pumped / procedures / tools / etc.):	Cement Plug - From 1615' to 897' / Cement Coverage = 718' / 255sx @14.8ppg (Yield 1.33) / Estimated TOC = 897'			

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

Thank You For Using  
CJES O-TEX Cementing

**Pick Production Equip.  
Sterling, CO 80751**

**Aaron Pickering  
970-520-0279**

PDC Energy  
Dunn 23-7  
API-05-123-20239  
LOC: NESW-SEC7-T5N-R64W

Bud Holman  
MIT Test

Interval:

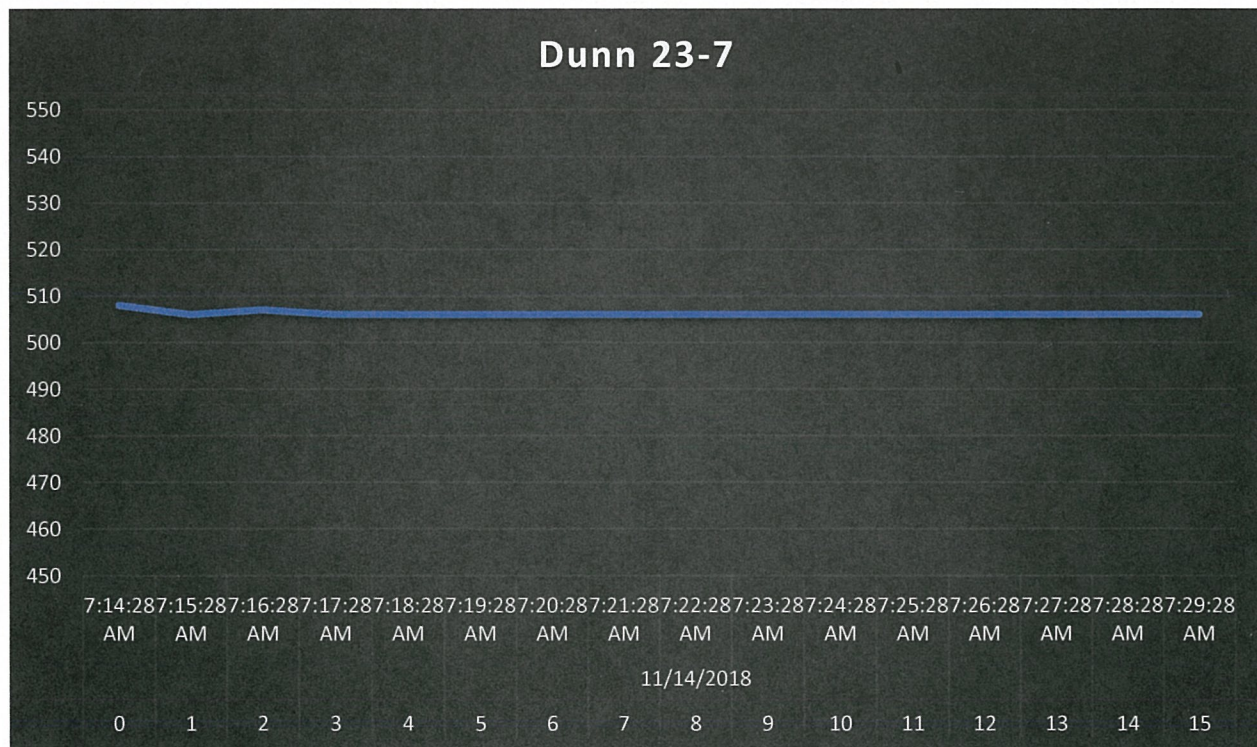
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DataPoint LogDate

LogTime

1-P PSI

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2		7:16:28 AM	507
3		7:17:28 AM	506
4		7:18:28 AM	506
5		7:19:28 AM	506
6		7:20:28 AM	506
7		7:21:28 AM	506
8	11/14/2018	7:22:28 AM	506
9		7:23:28 AM	506
10		7:24:28 AM	506
11		7:25:28 AM	506
12		7:26:28 AM	506
13		7:27:28 AM	506
14		7:28:28 AM	506
15		7:29:28 AM	506





Walter Corporation, LLC 33250 CR 53 Gill, CO 80624

11/14/2018

Date: 11/10/20





Field Ticket #

23214

Date \_\_\_\_\_

No. 23214

11/14/2018

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

Bill To Customer:			P D C		PO# PA000986		Lease Name:		Dunn		Well #:		23-7	
Address:			3801 Carson Ave				County:		Weld		CO		Invoice Ref. #:	
City:			Evans				Job Type:						OCSG #:	
State:			CO		Zip: 80620		Legal Description:		Casing Sz & Wt: 4-1/2 11.6#					
Ordered By:			Bud Holman				Service Man:		MERCED TERRAZAS					

69

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

Beit

Date: \_\_\_\_\_

11-15-18



P.O. BOX 341  
STERLING, CO 80751  
970-522-8387

PICK TESTERS  
HYDRO

TICKET  
NO. DH - 11118

B I T L	Customer Name <u>PDC Energy</u>			On Location: <u>7am</u>
	Address			On Stand By:
	City	State	Zip	Off Stand By:
	Customer Order No. <u>Bob Holman</u>			Off Location: <u>8am</u>

Purpose of Work MIT Test Pressure Used 500#/15min  
Date 11/14/18 Lease Dunn Well No. 23-7  
Field County Webb State CO Location  
Casing Size & Wt. Tubing Size & Wt.  
Contractor & # EWS #354 Round Trip Miles From

Directions: 58°49' N Into API 05-123-20239  
NESW-SECT-7-T5N-R64W

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Joints		
	Mileage		
	Test Cups		
1	Hours <u>Not for</u>		
1	Methanol <u>DH TCW</u>		
1	Casing Test <u>MIT Test</u>		
	Computer Pressure Log		

REPRESENTATIVE BY: <u>[Signature]</u>	TOTAL CHARGES	Subject to Correction in accordance with Latest Published Price
Holes		
Rod Cuts		
Bad Pins		
Collar Leaks		
Split Joints		

Remarks: MIT Test  
Solid (500#)

I certify that the above material and/or services has been delivered and/or used; that the basis for charges are correctly stated; and that I am authorized to sign this agreement as agent of customer.

Company \_\_\_\_\_ By \_\_\_\_\_ Date \_\_\_\_\_



[illegible]



CASEHOLE SOLUTIONS									
Rev.032718 A		CUSTOMER P. O. NUMBER			SERVICE ORDER F1738		PAGE 1 of 1		
C&J ENERGY SERVICES							DATE 11/13/2018		
* 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.									
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	PDC ENERGY							
FURNISHED	LEASE	Dunn	WELL NUMBER	23-7					
LEASE/WELL	LEGAL & LOCATION	05-123-20239							
INFORMATION	FIELD	Wattenberg	PARISH/COUNTY	Weld	STATE	Colorado			
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		5	
X									
THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEHOLE SOLUTIONS, INC. ACCOUNTING									
UNIT NUMBER	OPERATION TYPE: DAYLIGHT		WELL TYPE: WORKOVER		ROUND TRIP MILEAGE				
92-3856	TRIP: FIRST		HOISTING TYPE: WORKOVER RIG						
WIRESLINE DEPTH		MAX. WELLHEAD PRESSURE		PSI		BOTTOM HOLE PRESSURE:		PSI	
Desc. NO.	PERF. INTERVAL	PLOG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC. PRICE	AMOUNT	SERVICE
1			P - Packoff	each	1				
2	No Tag - 6850'		P - Gauge Ring or Depth Determination		1				
3		6836'	P - Plug or Retainer - setting (3rd party)		1				
4		6836'	P - Dump Bailor w/ 2x Cement		1				
5		6490'	P - Plug or Retainer - setting (3rd party)		1				
6		6490'	P - Dump Bailor w/ 2x Cement		1				
STANDARD PRICING									
Runs for this job made in November were 5									
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		LOGS RECEIVED AT WELL		CUST. INITIALS		SIGNATURE OF CASEHOLE SOLUTIONS ENGINEER			
X [Signature]		Holman				[Signature] Meisner, Jacob			
CASING/TUBING RECORD									
SIZE	WEIGHT	TYPE	FROM	TO	PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV K.B.	
		Casing 1			LOG MEAS. FROM	WHICH IS	ABOVE PERM DATUM	D.F.	G.L.
		Casing 2			Fluid Type	Fluid Weight	Fluid Level	REMARKS	
		Tubing			Water	8.345 lbs/gal	feet	District doing job: Fort Lupton, CO	
		Liner			Bottom Hole Temperature Degrees F			Line of Business: Completions	
		Drill Pipe			Type of Job:				
CASEHOLE ENGINEER NAMES		WORK WITNESSED BY NAME				Class: Vert. Domestic		District job is in: Fort Lupton, CO	
Meisner, Jacob		Crew 1	Holman						
		Crew 2							
		Crew 3							
		Crew 4						RC#:	
		Crew 5						Engineer:	
		Crew 6						MSA#:	