



CUSTOMER	PDC ENERGY
DISTRICT	3021
ADDRESS	821 WCR 27, Brighton, CO 80603
PHONE	303-857-7948

AFE # PA001257		PO:	
LEASE NAME / NUMBER		API WELL NUMBER	
MOODY 22-6		05-123-22579	
SECTION	TOWNSHIP	RANGE	COUNTY, STATE
SENW 6	6N	64W	WELD, COLORADO
WELL PERMIT NUMBER			
JOB TYPE		CM-P2A-PERM.	
Vehicle Type		Single	

TICKET	BCO-2001-0045	
DATE	1/10/2020	
CREW INFORMATION		
SUPERVISOR	Derek Scott	
PUMP UNIT	44-5084	
NUMBERS		
ARRIVAL (D&T)	1/10/20 7:00 AM	
DEPARTURE (D&T)	1/10/20 1:40 PM	

### Service & Equipment Charges

[illegible]

## Materials &amp; Products 13

[illegible]

Customer Stamp

Customer Name Printed

**Customer Signature**

Date Signed



# Job Summary

Ticket Number		Ticket Date	
TN#	BCO-2001-0045		1/10/2020
COUNTY	COMPANY	API Number	
WELD	PDC ENERGY	05-123-22579	
WELL NAME	RIG	JOB TYPE	
MOODY 22-6	Ranger 22	CM-P2A-PERM.	
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP	
40.51628 -104.5945	Derek Scott	Ryan Beam	

## EMPLOYEES

## 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	454	1620		
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	454		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (ft)	TVD to (ft)
Production	4.5	10.5		1620	1763		
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	1763		

## CEMENT DATA

Stage 1:	From Depth (ft):	1299	To Depth (ft):	1763
Type: Stub Plug	Volume (sacks):	141	Volume (bbls):	33.4
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
Type 3 Neat		14.8	1.33	6.32

Stage 2:	From Depth (ft):	0	To Depth (ft):	961
Type: Surface Plug	Volume (sacks):	376	Volume (bbls):	89
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
Type 3 Neat		14.8	1.33	6.32

Stage 3:	From Depth (ft):	0	To Depth (ft):	0
Type: Top Off	Volume (sacks):	7	Volume (bbls):	1.5
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
Type 3 Neat		14.8	1.33	6.32

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

## SUMMARY

Preflushes:	3 bbls of Fresh Water	Calculated Displacement (bbl):	5	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	5		
Total Preflush/Spacer Volume (bbl):	3	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	123.9	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	131.9				
Returns to Surface:	Cement 2 bbls				

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

Job went well.

Customer Representative Signature:

Thank You For Using  
NexTier Completion Solutions



				Date		Time		DISTRICT <b>Brighton - 3021</b>	
		YARD CALL		1/10/2020		4:00 AM			
		RTS DATE		1/10/2020		7:00			

<b>CUSTOMER INFORMATION</b>		<b>WELL INFORMATION</b>		<b>CASING DATA</b>		<b>ACTUAL TABULAR DATA</b>									
Customer Name: <b>PDC ENERGY</b>		API #: 05-123-22579		Casing Size:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Size</td> <td style="text-align: center;">Grade</td> <td style="text-align: center;">Weight</td> <td style="text-align: center;">Mea.Depth</td> </tr> <tr> <td style="text-align: center;">2 3/4</td> <td></td> <td style="text-align: center;">4.7</td> <td style="text-align: center;">1763</td> </tr> </table>		Size	Grade	Weight	Mea.Depth	2 3/4		4.7	1763
Size	Grade	Weight	Mea.Depth												
2 3/4		4.7	1763												
Customer #: 1000700		Field Name: Wattenberg		Casing Weight:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">0</td> <td colspan="3"></td> </tr> </table>		0							
0															
AFE #: PA001257		Well Name: MOODY 22-6		Shoe Joint Length: 0 ft											
Cust Rep on Loc: Ryan Beam				<b>Open Hole Data</b>		<b>CEMENTING PLUG</b>									
Cust Phone #: 970-405-8585		Well Type: Old		TVD:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Qty</td> <td style="text-align: center;">Size</td> <td style="text-align: center;">Type</td> <td style="text-align: center;">Material</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Qty	Size	Type	Material				
Qty	Size	Type	Material												
Order Placed By: Ryan Beam		Formation:		MD:		<b>TOP CONNECTION</b>									
Phone #:		Rig Contractor: Ranger		Size ID: 14		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Size</td> <td style="text-align: center;">Type</td> <td style="text-align: center;">Thread</td> </tr> <tr> <td style="text-align: center;">2 3/8</td> <td style="text-align: center;">Swage</td> <td></td> </tr> </table>		Size	Type	Thread	2 3/8	Swage			
Size	Type	Thread													
2 3/8	Swage														
Proposed Job Amt: \$17,988.45		Rig Name/Num.: Ranger 22		BHST: 60°F		<b>JOB TYPE</b>  <b>CM-P2A-PERM.</b>									
		Rig Phone:		BHCT: 0°F											
<b>JOB INFORMATION</b>		County: WELD		*F / 100 or BHST: 0 *F/100ft											
Ticket #: BCO-2001-0045		State: COLORADO		KOP: 0 ft											
PO #:		Latitude: 40.51628		<b>Previous Casing Size</b>											
Order Taken By: Laeger		Longitude: -105		Casing Size: 8.625											
Order Date: 1/9/2020		CJES Rep:		Casing Depth: 454											
Head Count: 4		Township-Range: SENW 6 6N 64W													
CJES Acct. Manager:		Quote Number: 1-BCO_200108150351													
CJES Engineer dy.Michel@NexTierOFS.com															

**COMMENTS**

**SPECIAL JOB INSTRUCTIONS**

**DIRECTIONS TO WELL**

**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:	13115	Vehicle Location:	On location
MSDS on Dash of Emergency Vehicle? (y/n):	Yes, on computer		

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



[illegible]YARD CALL  
RTS DATE

Date \_\_\_\_\_

1/10/2020

1/10/2020

Time

4:00 AM

7:00

DISTRICT

**Brighton - 3021**

### Personnel/Equipment

[illegible]

## BLEND INFO

Amount	Units	System/Additives	Excess	Density (ppg)	Yield (cuft/sk)	Water Req. (gal/sk)
0	sx	0				
0.00	sx	5 bbl Water				
5.00	bbl					
140	sx	Stub Plug				
33.05	bbl	100 % CJ922		14.8	1.33	6.32
575	sx	Surface Plug				
135.75	bbl	100 % CJ922		14.8	1.33	6.32
0	sx					
0	sx					
0	sx					
0	sx					
0	sx					

Units

System/Additives

### Excess

Density (nng)

Yield  
(cuft/sk)Water Req.  
(gal/sk)

0

5 bbl Water

5.00

bbl

## Stub Plug

33.05

bbl

100 % C1922

148

133

632

### Surface Plug

575

SX

100 % CJ922

135.75

bbl

14.8

1.33

6.32

**NEXTTIER**

1/10/2020

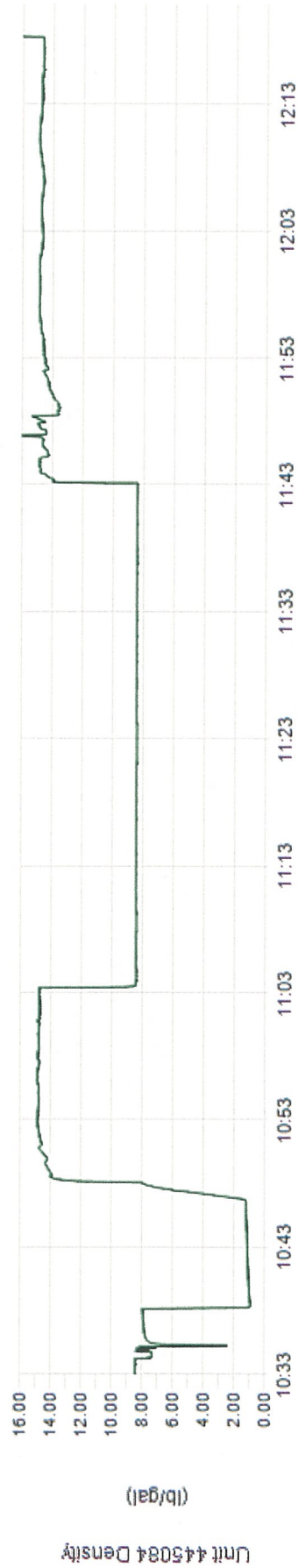
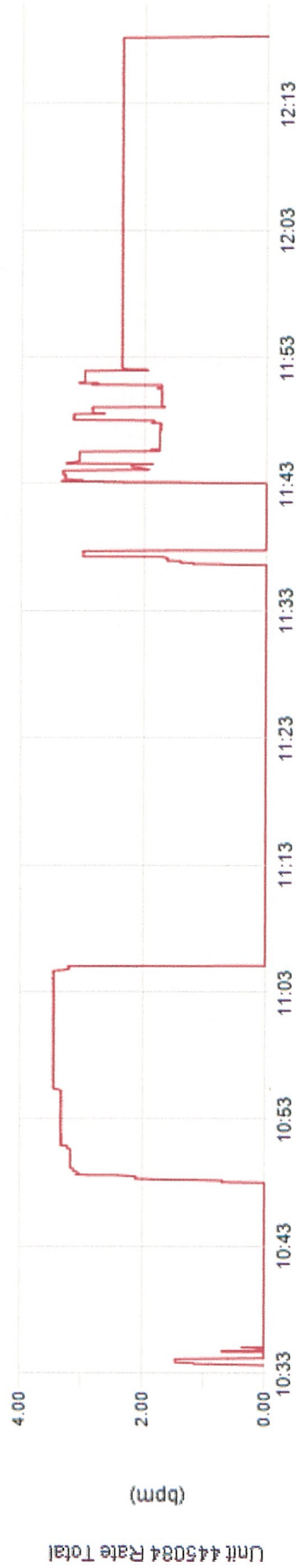


# NEXTIER

1/10/2020



Client	PDC Energy	Client Rep	Ryan Beam	Supervisor	Derek Scott
Ticket No.	20010045	Well Name	Moody 22-6	Unit No.	445084
Location	SENW 6-6N-64W	Job Type	Abandonment Plugs	Service District	Brighton, Co
Comments	141sx and 376sx Type 3 @14.8ppg	Job Date			01/10/2020



# RANGER ENERGY SERVICES, LLC

## WIRELINE DIVISION

3333 Center Dr.  
Milliken, CO.  
80543



<b>Company Name:</b> PDC ENERGY, INC.		<b>Company Address:</b> 1775 SHERMAN STREET SUITE 3000 DENVER, CO 80203		<b>Field Ticket Number:</b> 70001742
<b>Well Name:</b> MOODY 22-6	<b>Field:</b> WATTENBERG - 90750	<b>County:</b> WELD	<b>State:</b> COLORADO	<b>Rig Name &amp; Number:</b> RANGER ENERGY SERVICES RIG# 5022
<b>API #:</b> 05-123-22579	<b>AFE #:</b>		<b>Date:</b> 1/9/2020	<b>Wireline Unit #</b> 233
<b>SERVICE NOTES:</b> (1) 3.625" Gauge Ring to 7083' (4) Set STS 4-1/2" 10K CIBP @ 6722' (7) Cut 4-1/2" Casing @ 1620' (2) Set STS 4-1/2" 10K CIBP @ 7033' (5) Cement Dump Bail 2sx @ 6722' (3) Cement Dump Bail 2sx @ 7033' (6) Radial Bond Log from 1700' - Surface				<b>Engineer:</b> J. Michael
				<b>Operator:</b> A. Reagan
				<b>Operator:</b> A. Kendall
				<b>Operator:</b> T. Van Nest

RUN	CODE	DESCRIPTIONS	QTY	UNIT PRICE	DISCOUNT	AMOUNT
	1000-001	Set Up Charge Cased Hole Unit	1			
	3000-001	Packoff Operation Charge0#-1000#	1			
1	8000-009	Junk Catcher / Gauge Ring Depth Charge	7083			
	8000-010	Junk Catcher / Gauge Ring Operation Charge	1			
2	8000-001	Bridge Plug Depth Charge	7033			
	8000-015	Setting Tool Rental, per tool	1			
	8000-002	Bridge Plug Operation Charge	1			
	8000-014	Standard Set Power Charge	1			
3	7000-006	Dump Bailer Depth Charge	7033			
	7000-007	Dump Bailer Operation Charge	1			
4	8000-001	Bridge Plug Depth Charge	6722			
	8000-015	Setting Tool Rental, per tool	1			
	8000-002	Bridge Plug Operation Charge	1			
	8000-014	Standard Set Power Charge	1			
5	7000-006	Dump Bailer Depth Charge	6722			
	7000-007	Dump Bailer Operation Charge	1			
6	4000-019	Radial Cement Bond Log Depth Charge	1700			
	4000-020	Radial Cement Bond Log Operation Charge	1700			
	4000-009	Simultaneous Gamma Ray Log Depth Charge	1700			
	4000-010	Simultaneous Gamma Ray Log Operation Charge	1700			
	4000-013	Simultaneous CCL Log Depth Charge	1700			
	4000-014	Simultaneous CCL Log Operation Charge	1700			
7	5000-011	Jet Cutter Depth Charge	1620			
	5000-014	Jet Cutter Operation Charge for Casing	1			

<b>Customer Signature:</b>	<b>Customer Name Printed:</b>	<b>Ranger Energy Services Representative:</b>
	MR. RYAN BEAM	JOE MICHAEL

The above estimated charges and data shown are subject to change by Ranger Energy Services, LLC. Payment terms are net 30 Days.