



ENSIGN WELL SERVICES

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



RIG/UNIT #: 356
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 4322873-SO1

DATE: 12-Feb-18, 06:00

Page: 1 of 1

COMPANY					
PDC ENERGY, INC			LOCATION: AVERY 11-10 (CO, Station: Lasalle)		PO:
ATTENTION: ACCOUNTS PAYABLE					AFE:
BRIDGEPORT, West Virginia, USA 26330					

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	9.50	406.50	3,861.75
Rig Up	2.00	290.00	580.00
Crew Travel	1.50	193.60	290.40
Bird Bath Rental	1.00	30.80	30.80
Tubing Wiper Rubber	1.00	48.00	48.00
CHARGES & EXPENDABLES SUB-TOTAL			4,810.95
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,810.95

ROD & TUBING DETAILS			
ROD DETAILS			
PULLED	SIZE:	PLAIN:	SCRAPERS: PONYS:
RAN	SIZE:	PLAIN:	SCRAPERS: PONYS:
NOTES:			
TUBING DETAILS			
PULLED	SIZE:	JOINTS:	TALLY:
RAN	SIZE:	JOINTS:	TALLY:
LANDED AT:		NIPPLE AT:	
NOTES:			
PUMP DETAILS			
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: Cloudy		WIND: Light		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
12-Feb-18, 06:00	12-Feb-18, 19:00	13.00	Rig - Pick Up/Lay Down Tubular	CREW TRAVEL TO HETTINGER 44-18. HELD SAFETY METING. CHECKED PRESS BLOWING /300. SHUT WELL. RIG DOWN. RACKED PUMP/TANK. CLEANED LOC. ROAD RIG TO AVERY 11-10. HELD SAFETY METING. REMOVED FENCE. SPOT IN EQUIP. R/U SLICK LINE RIH AND FISHED STANDING VALVE. TOOH. RIH AND TAGGED TO S/N AT 7113. R/D SLICK LINE. RIG UP. R/U PUMP/TANK. FUCTION TEST BOP. CHECKED PRESS. 400/600 BLOW SURF CNG. BLEED OFF PRESS TO WORK TANK. CIRC. WELL CLEAN. N/D WELL TREE MASTER VALVE AND 5K TOP FLANGE. N/U BOP. R/U W/FLOOR TBG EQUIP. UNLAND TBG. STOOD BACK 78 JTS 2 3/8 TBG. L/D 143 JTS 8' SUB S/N N/C. R/U WIRE LINE. RIH W/GAUGE RING. RIH W/1ST CIBP SET BP AT 7090'. DUMP BAIL 2 SKS CEMENT. RIH W/2ND CIBP. SET BP AT 6730'. DUMP BAIL 2 SKS OF CEMENT ON TOP OF BP. R/D WIRE LINE. SECURE WELL. DRAIN PUMP/LINES. CLEANED LOC. CREW TRAVELED HOME.
TOTAL TIME: 13.00 hours				

CREW DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE
Relief Operator	Sergio Ibuado Gonzalez	12-Feb-18, 06:00	13.00	0.00	No	0.00		0.00	Yes
Service Rig Manager	Omar Munoz	12-Feb-18, 06:00	13.00	0.00	No	0.00		0.00	Yes
Operator	George Quinones	12-Feb-18, 06:00	13.00	0.00	No	0.00		0.00	Yes
Floorhand	Jesus Madrigal Zambrano	12-Feb-18, 06:00	13.00	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	12-Feb-18, 06:00	13.00	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



ENSIGN WELL SERVICES

20 Weld County Road 46, LaSalle, Colorado 80645

Telephone (970) 284-6006

RIG/UNIT #: 356
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 4322873-SO2

DATE: 13-Feb-18, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: AVERY 11-10 (CO, Station: Lasalle)	
ATTENTION: ACCOUNTS PAYABLE		PO:	
BRIDGEPORT, West Virginia, USA 26330		AFE:	

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	9.00	406.50	3,658.50
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
Washington Circulating Head	1.00	120.00	120.00
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
CHARGES & EXPENDABLES SUB-TOTAL			4,574.50
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,574.50

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

PRESSURE TESTS					
FUNCTION BOP	TIME TO OPERATE (\$)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)
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
13-Feb-18, 06:00	13-Feb-18, 18:00	12.00	BOP - Nipple Up/Down - BOPE & Wellhead	CREW TRAVELED TO LOC. HELD SAFETY METING. CHECKED PRESS. 0/CNG. TIH W/2552' OF 2 3/8 TBG. CIRC. WELL. PRESS TEST 4 1/2 CNG @ 1000 PSI. GOOD TEST. BLEED OFF PRESS. R/U CEMENTERS. MIX AND PUMPED DOWN TBG 20 SKS OF 15.8#/GAL. CI G CEMENT. DISPLACED 8.4 BBLS. R/D CEMENTERS STOOD BACK 24 JTS. L/D 55 JTS AND 10' SUB. R/U WIRE LINE. RIH WITH CNG CUTTER. CUTTED CNG AT 700'. R/D WIRE LINE. R/D W/FLOOR TBG EQUIP. N/D BOP AND 5K WELL HEAD. UNLANDED 4 1/2 CNG. N/U CEMENT FLANGES AND BOP. R/U W/FLOOR CHANGE TBG EQUIP FROM 2 3/8 TO 4 1/2. L/D 16 JNT OF 4 1/2 CNG. CHANGE TBG EQUIP TO 2 3/8. TIH W/25 JTS S/N AND MULE SHOE R/U CIRCULATING EQUIP. CIRCU WELL DOWN TBG FOR 1 HR. R/U CEMENTERS. MIX AND PUMPED 314 SKS OF CEMENT DOWN TBG FROM 800' TO SURF. R/D CEMENTERS. L/D 25 JTS AND MULE SHOE. WASHED EQUIP. R/D W/FLOOR TBG EQUIP. N/D BOP AND CEMENT FLANGES. TOPPED OFF W/5 SKS. PUT CAP ON SURF CNG. R/D RACKED PUMP/TANK. DRAIN PUMP. CLEANED LOC. CREW TRAVELED HOME.
TOTAL TIME: 12.00 hours				

CREW DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE
Relief Operator	Sergio Ibaudo Gonzalez	13-Feb-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Service Rig Manager	Omar Munoz	13-Feb-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	George Quinones	13-Feb-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Jesus Madrigal Zambrano	13-Feb-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	13-Feb-18, 06:00	12.00	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
TN# FL4008
Ticket 2/13/2018

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-20478
WELL NAME	RIG	JOB TYPE
Avery 11-10	Ensign 356	Balanced Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NW NW Sec10:T6N:R65W	Laeger,Kacey	Bud Holman

EMPLOYEES
McFarland, James
Lindsay, Kevin

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	J-55	0	403		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5	P-110	0	2552		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7	j55	0	2552		

CEMENT DATA

Stage 1:	From Depth (ft):	2300.5	To Depth (ft):	2552
	Type: Balanced Plug			
	Volume (sacks):	20	Volume (bbls):	4
	Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	100% Class G	15.8	1.15	5.00

Stage 2:	From Depth (ft):	0	To Depth (ft):	727	
	Type: Stub Plug Lead				
	Volume (sacks):	275	Volume (bbls):	57	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G+2% CaCl2			15.8	1.16	5.00

Stage 3:	From Depth (ft):	727	To Depth (ft):	800	
	Type: Stub Plug Tail				
	Volume (sacks):	44	Volume (bbls):	9	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G			15.8	1.15	5.00

SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1 8.4	Stage 2
	3 bbls of Fresh Water	Actual Displacement (bbl):	8.4	
	bbls of			
Total Preflush/Spacer Volume (bbl):	8	Plug Bump (Y/N):	NA	Bump Pressure (psi):
Total Slurry Volume (bbl):	71	Lost Returns (Y/N):	N (if Y, when)	
Total Fluid Pumped	87.4			
Returns to Surface:	Cement 1 bbls			

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

Production casing cut at 700feet, 25sks of G neat was mixed but not used

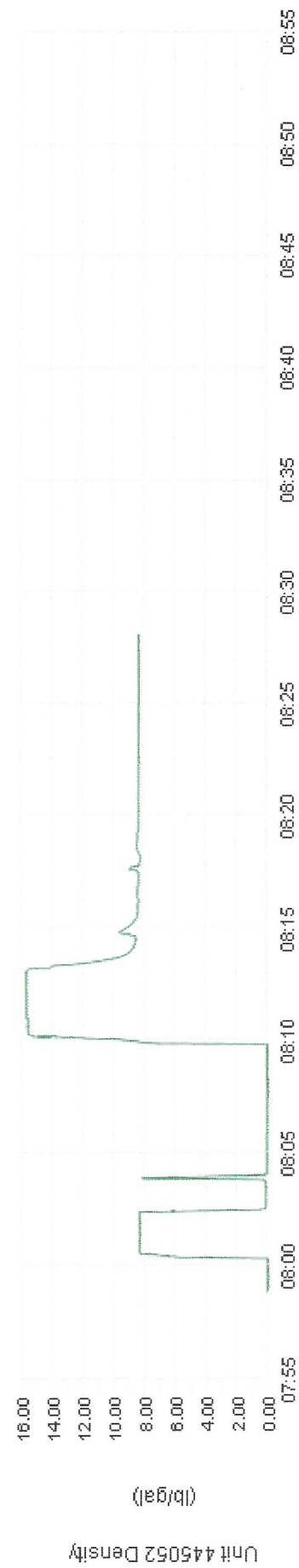
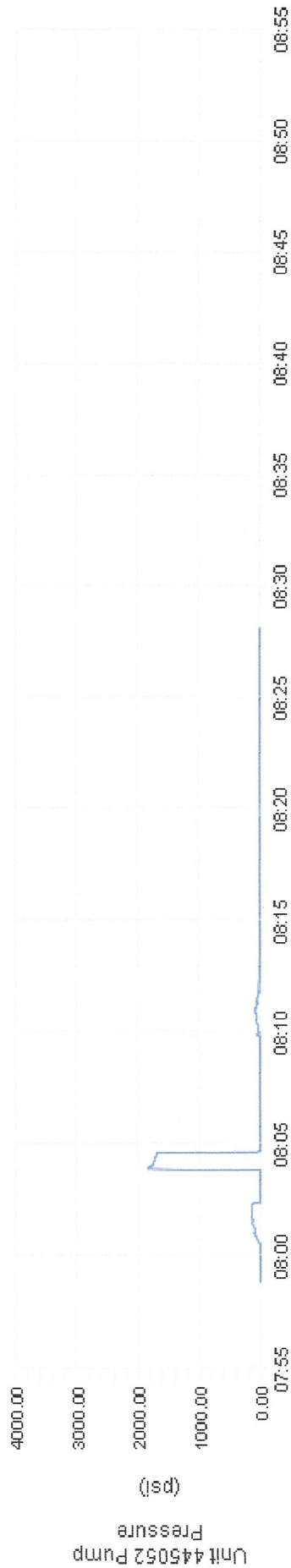
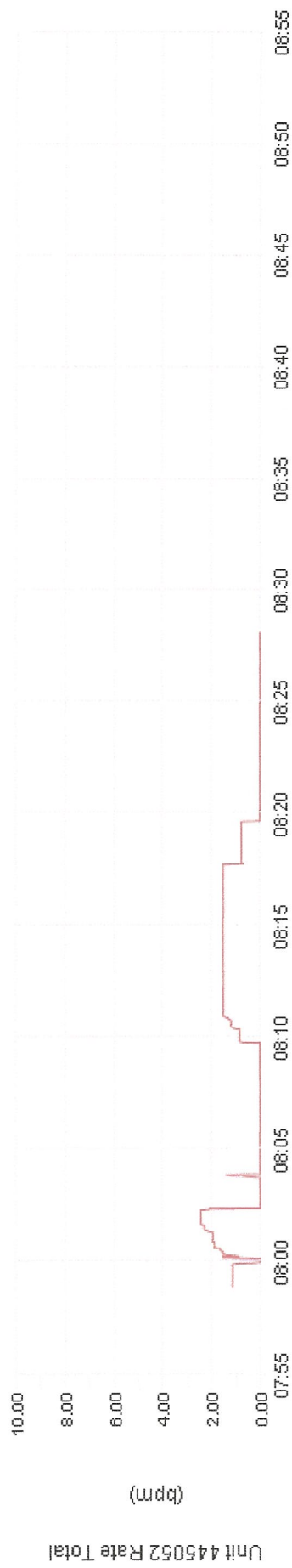
Thank You For Using
O-TEX Cementing

Customer Representative Signature:

[illegible]

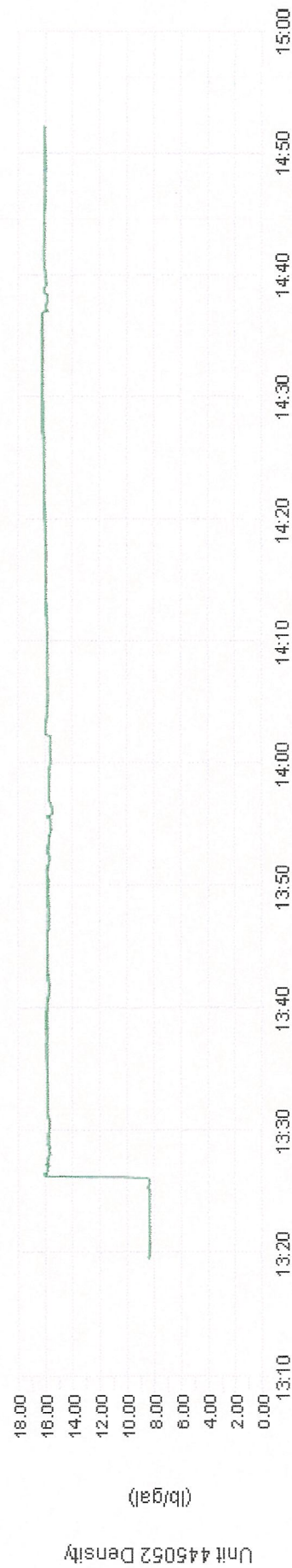
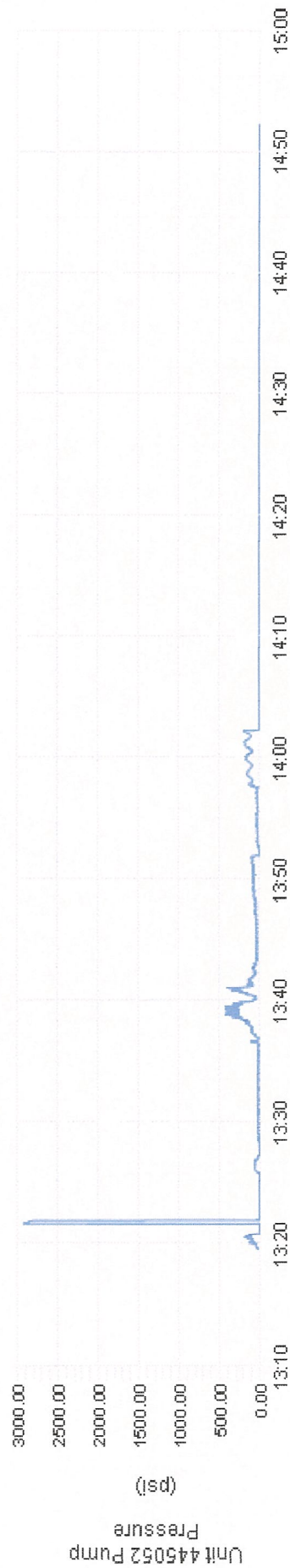
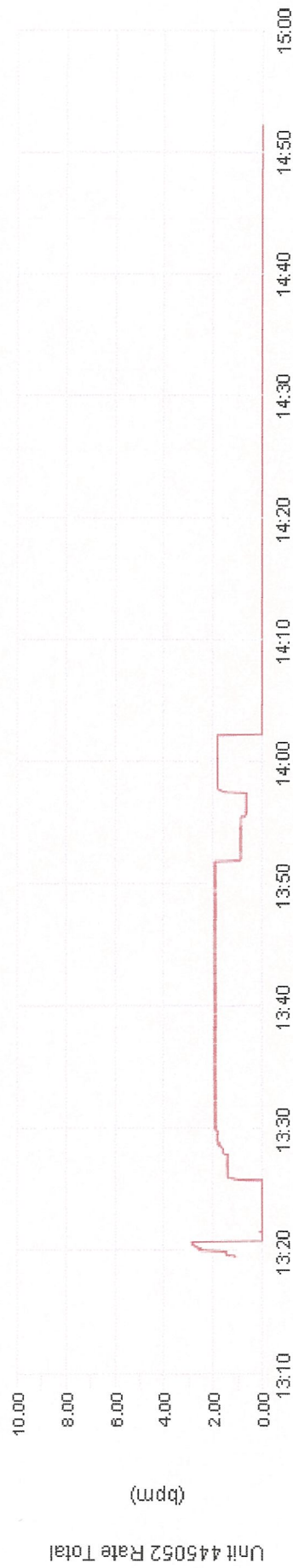


Client	PDC Energy INC	Client Rep	Mr. Bud holman	Supervisor	Laeger, Kacey
Ticket No.	4008	Well Name	Avery 11-10	Unit No.	445052
Location	NWNW Sec 10:T6N:R65W	Job Type	Abandonment Plugs	Service District	Brighton Co
Comments				Job Date	02/13/2018





Client	PDC Energy INC	Client Rep	Mr. Bud holman	Supervisor	Laeger, Kacey
Ticket No.	4008	Well Name	Avery 11-10	Unit No.	445052
Location	NWNW Sec 10: T6N: R65W	Job Type	Abandonment Plugs	Service District	Brighton Co
Comments				Job Date	02/13/2018





SERVICE ORDER CONTRACT

Customer: **PDC Energy, Inc.**

Ticket Number: **FL4008**

Lease & Well Number: **Avery 11-10**

Date: **2/13/2018**

In consideration of the services and materials to be sold and/or provided by C&J Spec-Rent Services, Inc. ("C&J") under this service order, the above-named customer ("Customer") agrees that:

The services and materials quoted under this service order are based on the best information available at the time that this quotation was prepared. When the actual work is performed the amounts and types of services and materials may require adjustments any pre-quoted items in service order. Actual amounts and types of services and materials will be charged at the time the work is performed. Unit prices from C&J's current price list and discounts quoted are applied as per this service order, unless otherwise noted. Except as otherwise provided for herein, this service order is only for the materials and services quoted hereunder.

The prices and discounts reflected herein are based on C&J being awarded the work on a first call basis. Prices may be adjusted if the work is not on a first call basis. Prices are valid for a period of thirty (30) days following this quotation. Taxes, if any, will be applied to the actual invoice.

All services and materials sold and/or provided by C&J are subject to the terms of C&J's "Contractor's Standard Terms and Conditions" document (the "Terms and Conditions"), which contains provisions concerning risk allocation and warranties associated with C&J's services. The parties hereby agree that all materials and services will be furnished pursuant to the Terms and Conditions and this service order. A copy of the Terms and Conditions is attached to this proposal.

BY SIGNING IN THE SPACE PROVIDED BELOW, CUSTOMER (I) ACKNOWLEDGES RECEIPT OF A COPY OF THE TERMS AND CONDITIONS, AND (II) AGREES THAT THE TERMS AND CONDITIONS SHALL GOVERN ALL SERVICES AND MATERIALS SOLD AND/OR PROVIDED HEREUNDER. THE UNDERSIGNED FURTHER WARRANTS AND REPRESENTS THAT THE UNDERSIGNED IS AUTHORIZED TO EXECUTE THIS SERVICE ORDER AS CUSTOMER'S AGENT.

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

Customer Authorized Agent: _____



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

FIELD RECEIPT

TN # FL4008

Service Date:	2/13/2018	Well Name:	Avery 11-10	Job Type:	Balanced Plugs
Customer:	PDC Energy, Inc.				
Address:	PO Box 26	County:	Weld	Service Supervisor:	Laeger, Kacey
City:	Attn: Accounts Payable	State:	CO		
St:	Bridgeport	API #	05-123-20478		
Customer Rep:	WV 26330	AFE #		Pump #1	445052
	Bud Holman			Pump #2	

REF #	Description	unit of measure	quan
CM006	O-Tex Ultra Premium Cement (94lbs/ft3)	94SACK	364
CP018	Calcium Chloride	LBS	517
CT003	Pump Charge 2001-3000'	4-HRS	1
JM001	Data Acquisition System	JOB	1
AE014	Environmental Fee*	JOB	1
ML001	Pickup Mileage	UNTMIL	40
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	40
ML003	Bulk Cement Delivery/Return	MILE	914
MX001	Bulk Material Mixing Service Charge	SCF	491
CC015	Pump Charge Additional Hours	UNTHRS	4
ae012	Bulk Unit Additional Hours	UNTHRS	4
cp031	Sugar	LBS	50

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.



Rocky Mountain Oilfield Rentals

200 South 2nd St Suite # 2 LaSalle, CO 80645

Phone: 970-284-6685

Fax: 970-284-6682 An Ensign Drilling USA Subsidiary

Field Ticket #

38917 N^o 38917

Date

2/13/2018

Bill To Customer:		PDC		PO#	Lease Name		AVERY	Well #:	11-10
Address:		3801 Carson Ave			County:	Weld	St:	CO	Invoice Ref. #:
City:		Evans			Field:	Dj Basin	Job Type:	P&A	Rig: ENSIGN 356
State:		CO	Zip: 80620	Directions:	CR 72/CR 43 S 2/10 E 1/10 N INTG		Casing Sz & Wt:	4-1/2 #10.5	
Ordered By:		BUD HOLMAN			Service Man	ABEL ALVAREZ			
NO.	RENTALS/SALES				QTY				
1	RENTAL OF 4-1/2 PIPE RAMS				1				
2	RENTAL OF 4-1/2 8RD PIN X 2-23/8 EUE BOX				1				
3	RENTAL OF 4-1/2 6PUP JOINT				1				
4	RENTAL OF 10-3/4 X 3K SPOOL				1				
5	RENTAL OF 4- 1/2 ELEVATOR				1				
6	RENTAL OF 4-1/2 AIR SLIPS				1				
7	RENTAL OF TONG DIES 4-1/2				1				
8	RENTAL OF 3-1/2 OD SLEEVE				1				
9	RENTAL OF 2-3/8"EUE X 5K TIW SAFETY VALVE				2				
10									
11									
12									
13	SALE OF C.I.B.P SET@7090				1				
14	SALE OF C.I.B.P SET@6730				1				
					Subtotal Taxable Charges				
SERVICE MANS TIME									