



# ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645

Telephone (970) 284-6006



RIG/UNIT #: 356  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4043218-SO1

DATE: 14-Sep-17, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: WELLS RANCH 34-27 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE			AFE:
BRIDGEPORT, West Virginia, USA 26330			

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	10.00	406.50	4,065.00
Crew Travel	2.00	220.00	440.00
Labor - Floor	12.00	55.00	660.00
Bird Bath Rental	1.00	35.00	35.00
Tubing Wiper Rubber	1.00	48.00	48.00
CHARGES & EXPENDABLES SUB-TOTAL			5,248.00
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 5,248.00

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: Sunny		WIND: Calm		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
14-Sep-17, 06:00	14-Sep-17, 18:00	12.00	Rig - Pick Up/Lay Down Tubular	Crew traveled to loc crew held safety meeting check press 900/900/0 bleed off to tank circ well clean w/110bbl circ 1hr function test BOP test good N/D wellhead tree master valve 5k top flange N/U BOP R/U work floor tubing equip unland tubing 5k hanger TOTH 24jts to derrick L/D 193jts 4' sub MIRU wireline run gauge ring to 6780' run in CIBP set @ 6759' dump 2sxs MIRU hydrotester MIT casing to 550psi hold chart 15min test good R/D hydrotester Wireline 2nd CIBP set @ 6477' dump 2sxs run in jet cutter cut casing @ 652' R/D wireline R/D work floor tubing equip N/D BOP wellhead unland 4 1/2 casing from slips N/U 8 5/8 spool BOP R/U floor switch equipment 2 3/8 to 4 1/2 crew shut in well crew 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
Operator	Matthew McGraw	14-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	14-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Relief Operator	Sergio Ibaudo Gonzalez	14-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	George Quinones	14-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Jared Cortes Gonzalez	14-Sep-17, 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



# ENSIGN WELL SERVICES

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



RIG/UNIT #: 356  
TOUR: Day Shift

## DAILY WORK RECORD

Ticket No: 4043218-SO2

DATE: 18-Sep-17, 06:00

Page: 1 of 1

COMPANY			
<b>PDC ENERGY, INC</b>		LOCATION: WELLS RANCH 34-27 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE			AFE:
BRIDGEPORT, West Virginia, USA 26330			

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	8.00	406.50	3,252.00
Rig Up	2.00	290.00	580.00
Crew Travel	2.00	220.00	440.00
Bird Bath Rental	1.00	35.00	35.00
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
CHARGES & EXPENDABLES SUB-TOTAL			4,395.00
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,395.00

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: Sunny		WIND: Calm		TEMP: 0 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
18-Sep-17, 06:00	18-Sep-17, 18:00	12.00	Rig - Pick Up/Lay Down Tubular	Crew traveled to loc crew held safety meeting check press 0/0 open to tank function test BOP test good lay down 16jts 4 1/2 casing switch equip 4 1/2" to 2 3/8" TITH 24jts from derrick with mule shoe to 750' R/U Kelly circ well down tubing return surface MIRU cementers cement crew held safety meeting mix/pump 246sxs 2%CaCl2 cement 13sxs g-neat to surface R/D cementers L/D 24jts to trailer R/D work floor N/D BOP wellhead top off with 15sxs g-neat cement to surface wash up equip R/D rig rack pump/tank prep for rig move install wellhead fence crew cleaned loc move rig/equip to next loc remove wellhead fence spot in rig/equip R/U rig R/U pump/tank N/U BOP R/U work floor tubing equip shut in well crew 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
Operator	Matthew McGraw	18-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	18-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Relief Operator	Sergio Ibaudo Gonzalez	18-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	George Quinones	18-Sep-17, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Jared Cortes Gonzalez	18-Sep-17, 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





## SERVICE ORDER CONTRACT

Customer: **PDC Energy, Inc.**

Ticket Number: **FL2343**

Lease & Well Number: **Wells Ranch 34-27**

Date: **9/18/2017**

### As consideration, The Above Named customer Agrees:

O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-Tex pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-Tex pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-Tex makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

O-Tex personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

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

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

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-23162
WELL NAME	RIG	JOB TYPE
Wells Ranch 34-27	Ensign 356	Stub Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SWSE 27 - 6N-63W	Scott, Derek	Bud Holman
EMPLOYEES		
Douglass, Brian		
Hernandez, Omar		
Seniours, 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)
	14	410	652		
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	410		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		652	750		
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	750		

## CEMENT DATA

### Stage 1:

Type: Lead

From Depth (ft): 0 To Depth (ft): 750

Volume (sacks): 246 Volume (bbls): 50

### Cement & Additives:

100% Class G+2% CaCL2

Density (ppg)

15.8

Yield (ft³/sk)

1.16

Water Req.

5.00

### Stage 2:

Type: Tail

From Depth (ft): 0 To Depth (ft): 750

Volume (sacks): 28 Volume (bbls): 6

### Cement & Additives:

100% Class G

Density (ppg)

15.8

Yield (ft³/sk)

1.15

Water Req.

5.00

## SUMMARY

Preflushes:	2 bbls of	Fresh Water	Calculated Displacement (bbl):		Stage 1	Stage 2
	bbls of		Actual Displacement (bbl):			
	bbls of					
Total Preflush/Spacer Volume (bbl):	2		Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	56		Lost Returns (Y/N):	N (if Y, when)		
Total Fluid Pumped	58					
Returns to Surface:	Cement	1 bbls				

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

Thank You For Using

O - TEX Pumping

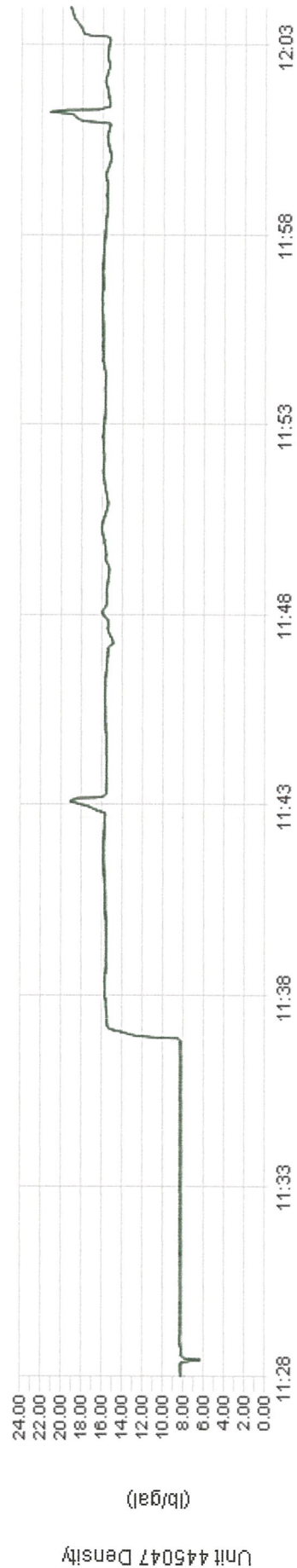
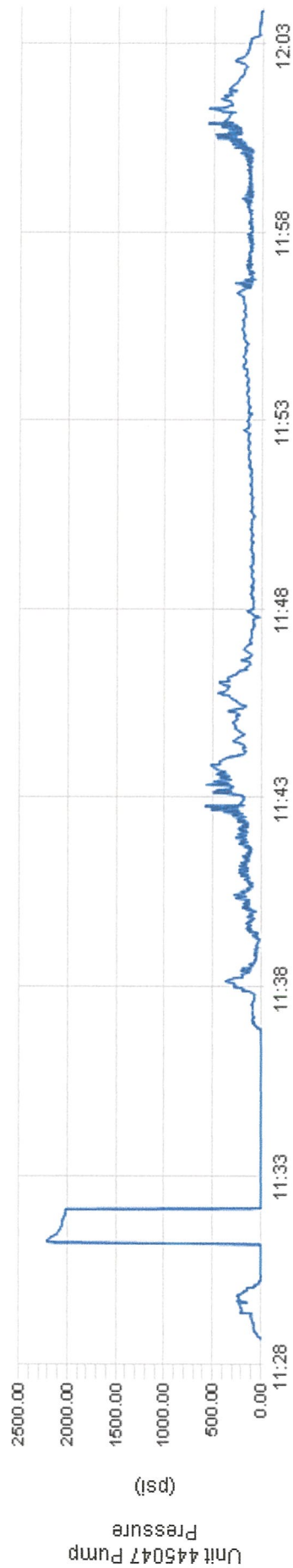
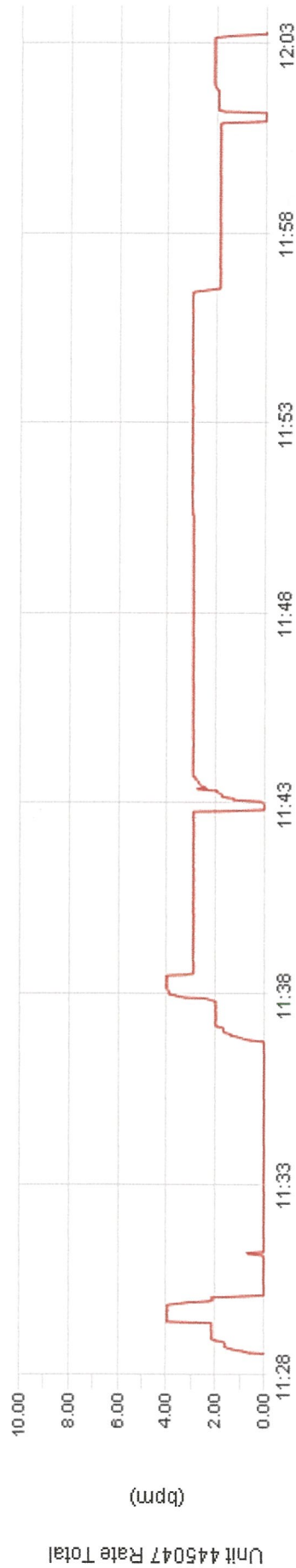
Customer Representative Signature:



O-Tex Pumping, LLC				CEMENTING JOB LOG				Project Number		Job Date	
O-Tex Location				Customer				FL2343		9/18/2017	
Brighton, Colorado 303-857-7948				PDC Energy, Inc.				State		County	
Lease Name		Well No.		O-Tex Field Supervisor				Colorado		Weld	
Wells Ranch 34-27				Scott, Derek				Customer Representative		Phone	
								Bud Holman		970-301-3897	
Job Type				Man Hours				API Number			
Stub Plug				12				05-123-23162			
USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.											
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.											
DATE		TIME		VOLUME		RATE		PRESS		JOB PROCEDURES	
								CSG Tbg.			
9/18/2017		10:30								Arrive on location	
9/18/2017		10:35								Tailgate meeting	
9/18/2017		10:45								Spot trucks/Rig in	
9/18/2017		11:10								Safety meeting	
9/18/2017		11:21		2.5 bbl		2.50		200		Fill lines/Establish circulation	
9/18/2017		11:23						2000		Pressure test	
9/18/2017		11:29		50 bbl		2.50		100		Pump 246sx G +2% CaCl2 @ 15.8ppg 1.15yield	
9/18/2017		11:50		2.5 bbl		2.50		100		Pump 13sx Neat G @ 15.8ppg 1.15yield	
9/18/2017		11:55								Stop/Wait for rig to nipple down	
9/18/2017		12:22		2.5 bbl		0.25		10		Top off with 12sx Neat G	
9/18/2017		12:30								Stop/Wait to see if cement level drops	
9/18/2017		12:50		0.5		0.25		10		Top off with 3sx Neat G	
9/18/2017		12:55								Stop/Wash up	
9/18/2017		13:20								Rig down	
9/18/2017		13:30								Pre-departure meeting	
9/18/2017		13:35								Leave location	
JOB CALCULATIONS											
CASING DATA											
ANNULAR DATA											
PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW											



Client	PDC Energy	Client Rep	Bud Holman	Supervisor	Derek Scott
Ticket No.	2343	Well Name	Wells Ranch 34-27	Unit No.	445047
Location	SWSE 27-6N-63W	Job Type	Abandonment Plugs	Service District	Brighton, CO
Comments	246sx G +2% CaCl <sub>2</sub> and 28sx of Neat G. Both @ 15.8ppg 1.15yield. Brian Douglass				
				Job Date	09/18/2017







TN # FL2343

Well Name:	Wells Ranch 34-27		Job Type:	Stub Plug
County:	Weld		Service Supervisor:	Scott, Derek
State:	Colorado			
API #	05-123-23162			
AFE #	PA000656		Pump #1	445047
			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:** \_\_\_\_\_

[illegible]





# 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 #

38306 N<sup>o</sup> 38306

Date

9/14/2017

Bill To Customer:			PDC		PO# PA 000656		Lease Name		WELLS RANCH		Well #:		34-27	
Address:			3801 Carson Ave				County:		Weld		CO		Invoice Ref. #:	
City:			Evans				Field:		Dj Basin		P&A		Rig: ENSIGN	
State:			CO		Zip: 80620		Directions:		CR 68/CR 67 E 1/10 S INTO		Casing Sz & Wt: 4-1/2 #10.5		356	
Ordered By:			BUD HOLMAN				Service Man		ABEL ALVAREZ					
NO.	RENTALS/SALES					QTY	PRICE	DSC	TOTAL					
1	RENTAL OF 4-1/2 PIPE RAMS					1	75.00	0%	75.00		75.00			
2	RENTAL OF 4-1/2 8RD PIN X 2-23/8 EUE BOX					1	125.00	55%	56.25		56.25			
3	RENTAL OF 4-1/2 6PUP JOINT					1	150.00	55%	67.50		67.50			
4	RENTAL OF 10-3/4 X 3K SPOOL					1	425.00	55%	191.25		191.25			
5	RENTAL OF 4- 1/2 ELEVATOR					1	505.00	55%	227.25		227.25			
6	RENTAL OF 4-1/2 AIR SLIPS					1	465.00	55%	209.25		209.25			
7	RENTAL OF TONG DIES 4-1/2					1	175.00	0%	175.00		175.00			
8	RENTAL OF 3-1/2 OD SLEEVE					1	150.00	0%	150.00		150.00			
9	RENTAL OF 2-3/8"EUE X 5K TIW SAFETY VALVE					2	55.00	55%	49.50		49.50			
10									0.00		0.00			
11									0.00		0.00			
12									0.00		0.00			
13	SALE OFF C.I.B.P SET@6764 AND THE 2ND C.I.B.P SET @6477					2	612.00	0%	1,224.00		1,224.00			
14									0.00		0.00			
Subtotal Taxable Charges									\$2,425.00					
SERVICE MANS TIME														
									\$0.00					
									0.00					
									0.00					
									0.00					
									\$0.00					
Subtotal Non-Taxable Charges														
MILEAGE														
MILEAGE							60	\$2.00	0%	\$120.00		\$120.00		
									0.00		0.00			
									0.00		0.00			
									0.00		0.00			
Subtotal Non-Taxable Charges									\$120.00					

9-18-17

Bd H

Authorized Agent:

Date:

RMOR Employee:



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

PICK TESTERS  
HYDRO

TICKET  
NO. DH - 9920

B I T L	Customer Name <u>PDC</u>			On Location: <u>11:30</u>
	Address			On Stand By:
	City	State	Zip	Off Stand By:
	Customer Order No. <u>Bud Holman</u>			Off Location:

Purpose of Work \_\_\_\_\_ Pressure Used 500 Psi For 15 min  
Date 9-14-17 Lease Wells Ranch Well No 34-27  
Field \_\_\_\_\_ County Weld State CO Location \_\_\_\_\_  
Casing Size & Wt. 4 1/2 Tubing Size & Wt. \_\_\_\_\_  
Contractor & # \_\_\_\_\_ Round Trip Miles From \_\_\_\_\_

Directions:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Joints		
	Mileage		
	Test Cups		
	Hours		
	Methanol		
<u>1</u>	Casing Test <u>Mit</u>		<u>430.00</u>
<u>1</u>	Computer Pressure Log <u>Mit com</u>		<u>25.00</u>
<u>Good TEST</u>		Sub Total	
		Sales Tax	
		Labor	

REPRESENTATIVE BY: <u>Cameron Mitchell</u>	TOTAL CHARGES	Subject to Correction in accordance with Latest Published Price Schedules	<u>409.50</u>
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Holes
Rod Cuts
Bad Pins
Collar Leaks
Split Joints

Remarks:

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 Bud Date 9-14-17