



ENSIGN WELL SERVICES

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



RIG/UNIT #: 354
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 4043623-SO2

DATE: 10-Jul-18, 06:00

Page: 1 of 1

COMPANY		
PDC ENERGY, INC	LOCATION: LEROY & PHILLIS #5 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		AFE:
BRIDGEPORT, West Virginia, USA 26330		

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	5.00	406.50	2,032.50
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
Thread Dope	1.00	40.00	40.00
CHARGES & EXPENDABLES SUB-TOTAL			2,780.50
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 2,780.50

CUSTOMER STAMP

ROD & TUBING 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
10-Jul-18, 06:00	10-Jul-18, 14:00	8.00	Rig - Pick Up/Lay Down Tubular	Crew traveled to loc crew held safety meeting check pres 0/0 open to work tank function test BOP test good TITH w/ 48jnts from derrick to 1517' R/U Kelly circ well R/D Kelly MIRU cementers held safety meeting mix/pump 25sxs type3 cement from 1517'-1137' displaced 4.3bbl R/D cementers L/D 29jnts leave 19jnts in @ 603' R/U cementers catch circ w/ 2bbl mix/pump 45sxs from 603' to surf R/D cementers L/D 19jnts to trailer R/D work floor tbq equip N/D BOP 5K wellhead installed 4 1/2" collar valve R/U cementers on csg top off 4 1/2" csg squeeze cement through holes @ 210' up annulus to surf w/40sxs type3 cement shut in well R/D cementers wash up lines/equip R/D rig R/D pump/tank installed well fence crew cleaned loc move rig/equip to next loc
TOTAL TIME: 8.00 hours				

CREW DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE
Service Rig Manager	Matthew McGraw	10-Jul-18, 06:00	8.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	10-Jul-18, 06:00	8.00	0.00	No	0.00		0.00	Yes
Floorhand	Jeffrey Garcia	10-Jul-18, 06:00	8.00	0.00	No	0.00		0.00	Yes
Relief Operator	Jorge Acosta	10-Jul-18, 06:00	8.00	0.00	No	0.00		0.00	Yes
Derrickhand	Geovany Cadena Beltran	10-Jul-18, 06:00	8.00	0.00	No	0.00		0.00	Yes
Floorhand	William Moreira	10-Jul-18, 06:00	8.00	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:
		Eduardo Chavez 970-397-0599



ENSIGN WELL SERVICES

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



RIG/UNIT #: 354
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 4043623-SO1

DATE: 09-Jul-18, 06:00

Page: 1 of 1

COMPANY		
PDC ENERGY, INC	LOCATION: LEROY & PHILLIS #5 (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	1.00	290.00	290.00
Crew Travel	3.00	193.60	580.80
Bird Bath Rental	1.00	30.80	30.80
Tubing Wiper Rubber	1.00	48.00	48.00
CHARGES & EXPENDABLES SUB-TOTAL			4,201.60
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,201.60



CUSTOMER STAMP

ROD & TUBING 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
09-Jul-18, 06:00	09-Jul-18, 18:00	12.00	BOP - Nipple Up/Down - BOPE & Wellhead	Crew traveled to loc crew held safety meeting R/U rig R/U pump/tank check press 300/350/0 bleed off press to tank circ well w/ 130bbl circ 1hr clean function test BOP test good N/D well tree, 5K master valve 5K top flange N/U BOP N/U BOP R/U work floor tbq equip unland tbq from wellhead TOTH 48jnts 2 3/8 tbq to derrick L/D 172jnts to trailer keeping hole loaded MIRU wireline RIH gauge ring to 6750' RIH CIBP set @ 6726' dump 2xsx cement top off well press test 1000psi test good bleed off RIH perf gun shoot holes @ 210' R/D wireline circ well down csg return surface circ good 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
Service Rig Manager	Matthew McGraw	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Jeffrey Garcia	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Relief Operator	Jorge Acosta	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	William Moreira	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	OPERATOR'S REP. SIGNATURE:  Eduardo Chavez 970-397-0599



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: 4548492-SO3

DATE: 09-Jul-18, 06:00

Page: 1 of 1

COMPANY		
PDC ENERGY, INC	LOCATION: rieder 181-201 (CO, Station: Lasalle)	PO:
ATTENTION: ACCOUNTS PAYABLE		A/E:
BRIDGEPORT, West Virginia, USA 26330		



CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
Rig Hours	7.00	406.50	2,845.50
Rig Up	2.00	290.00	580.00
Crew Travel	3.00	193.60	580.80
Bird Bath Rental	1.00	30.80	30.80
Tubing Wiper Rubber	1.00	48.00	48.00
Thread Dope	1.00	40.00	40.00
CHARGES & EXPENDABLES SUB-TOTAL			4,125.10
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 4,125.10

CUSTOMER STAMP						
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
09-Jul-18, 06:00	09-Jul-18, 18:00	12.00	BOP - Nipple Up/Down - BOPE & Wellhead	Crew traveled to loc crew held safety meeting check press 0/0 open to work tank function test BOP test good MIRU pick testers perform MIT to 500psi test good R/D pick testers P/U 1jnt latch onto RBP release RBP well on vac L/D 1jnt TOTH 210jnts to derrick land RBP P/U 3'x4' perf subs 1jnt XN-Nipple 5jnts X-Nipple TITH 210jnts from derrick land well @ 7034.98'KB R/U lubricator RIH tbg broach to S/N tbg good R/D lubricator R/D work floor tbg equip N/D BOP N/U 10K top flange MIRU Cameron torque/test wellhead test good R/D Cameron N/U well tree plumb in well to flow line R/D rig R/D pump/tank installed well fence crew cleaned loc move rig/equip to next loc removed well fence spot in rig/equip R/U rig R/U pump/tank 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	George Quinones	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Derrickhand	Oscar Arce	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Relief Operator	Sergio Ibaudo Gonzalez	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Floorhand	Amadeo Sanchez	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes
Service Rig Manager	Matthew McGraw	09-Jul-18, 06:00	12.00	0.00	No	0.00		0.00	Yes

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	OPERATOR'S REP SIGNATURE:  Eduardo Chavez 970-397-0599



SERVICE ORDER CONTRACT

Customer: **PDC Energy, Inc.**

Ticket Number: **FL4155**

Lease & Well Number: **Leroy & Phyllis 5**

Date: **7/10/2018**

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 CUSTOMERS AGENT.

Customer Authorized Agent: _____



Job Summary

Ticket Number	Ticket Date
TN# FL4155	7/10/2018

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-22794
WELL NAME	RIG	JOB TYPE
Leroy & Phyllis 5	Ensign 354	Balanced Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NWNW Sec 25	Kopp, Jeff	Eduardo Chavez

EMPLOYEES

Coral-Flores, Francisco		
Cicalla, David		

WELL PROFILE

Max Treating Pressure (psi):	1000	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		210	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	11.6		1516	0	618	0
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		1516	0	618	0

CEMENT DATA

Stage 1:
Type: Plug 1
From Depth (ft): 1516 To Depth (ft): 1136
Volume (sacks): 25 Volume (bbls): 5.9

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Type III	14.8	1.33	6.32

Stage 2:
Type: Plug 2
From Depth (ft): 618 To Depth (ft): 0
Volume (sacks): 85 Volume (bbls): 20

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Type III	14.8	1.33	6.32

SUMMARY

	Stage 1	Stage 2
Preflushes: 2.5 bbls of Fresh Water		
Calculated Displacement (bbl):	4.3	
Actual Displacement (bbl):	4.3	
Total Preflush/Spacer Volume (bbl):	2.5	
Total Slurry Volume (bbl):	25.9	
Total Fluid Pumped	32.7	
Returns to Surface:	Cement 1 bbls	
Plug Bump (Y/N):	n	Bump Pressure (psi): n/a
Lost Returns (Y/N):	n (if Y, when)	

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

Job pumped per customer request. Pumped 45sxs @14.8ppg 1.33Y to surface. Rig nipped down and hooked up to their 4 1/2 casing inside 8 5/8 surface casing with perf holes at 200' and topped off with 40sxs @14.8 1.33Y. Job went well. Thank you!

Thank You For Using
O-TEX Cementing

Customer Representative Signature: _____

[illegible]



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

FIELD RECIEPT

TN # FL4155

Service Date:	7/10/2018	Well Name:	Leroy & Phyllis 5	Job Type:	Balanced Plugs
Customer:	PDC Energy, Inc.				
Address:	PO Box 26	County:	Weld	Service Supervisor:	Kopp, Jeff
City:	Attn: Accounts Payable	State:	CO		
St:	Bridgeport	API #	05-123-22794	Pump #1	445046
Customer Rep:	WV 26330	AFE #		Pump #2	
	Eduardo Chavez				

REF #	Description	unit of measure	unit price	quan
CP001	Type III Cement	94SACK	\$ 37.70	110
CT002	Pump Charge 0-2000'	4-HRS	\$ 3,234.33	1
JM001	Data Acquisition System	JOB	\$ 1,437.48	1
AE014	Environmental Fee*	JOB	\$ 228.69	1
ML001	Pickup Mileage	UNTMIL	\$ 4.26	35
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	\$ 7.32	35
ML003	Bulk Cement Delivery/Return	MILE	\$ 2.95	247
MX001	Bulk Material Mixing Service Charge	SCF	\$ 3.27	110
CP009	CF-41 (Foam Preventer)	GAL	\$ 86.06	2

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.

7/10/2018

Fax: 970.284.6682

Date: _____

Date 7/5/2018

Fax: 970.284.6682



Date: _____



7/5/2018

Office 970-356-4644 Fax 970-356-0185

Bill To Customer:			P D C		PO#	Lease Name:		Seewald	Well #:		1
Address:			3801 Carson Ave			County:		Weld	CO	Invoice Ref. #:	
City:			Evans			Job Type:				OCSG #:	
State:			CO	Zip:	80620	Casing Sz & Wt:		4-1/2 11.6#			
Ordered By:			Eduardo Chavez		Ninto	Service Man:		MERCED TERRAZAS			
NO.	RENTALS/SALES					QTY	PRICE		DSC	TOTAL	
1											
2											
3											
4											
5	Rental of 7-1/16 BOP adopter flange					1					
6	Rental of 4-1/2 air slips					1					
7	Rental of 4-1/2 elevators					1					
8	Rental of 4-1/2 lifting sub					1					
9	Rental of 9-5/8 surface head adopter spool					1					
10											
11											
12											
13											
14											
						Subtotal Taxable Charges					
SERVICE MANS TIME											
						Subtotal Non-Taxable Charges					
MILEAGE											
Mileage											
						Subtotal Non-Taxable Charges					

Authorized Agent: _____ \$ _____

Date: _____

[illegible]