



122387

Rig # R5022

Daily Work Ticket

Report #

<b>Customer Name</b> PDC Energy		<b>Customer AFE #</b>		<b>Date:</b> 5/30/2018
<b>Mailing Address</b>	<b>City</b>	<b>State</b> CO	<b>Zip</b>	<b>County</b> WELD
<b>Field</b>	<b>Lease</b>	<b>Well</b> HAHN 13-27		<b>Order #</b>
<b>Work Description</b>	Workover <input type="checkbox"/>	Rod <input type="checkbox"/>	Rod & Tubing <input type="checkbox"/>	Re-entry <input type="checkbox"/>
	Swabbing <input type="checkbox"/>	Tubing <input type="checkbox"/>	Completion <input type="checkbox"/>	P & A <input checked="" type="checkbox"/>

Description	Qty.	Rate Hr/Day/Ea	Total	Workover Equipment	Qty.	Rate Hr/Day/Ea	Total
Riq & Crew	11.00 @	\$275.00	\$3,025.00	BOP	1.00 @	\$300.00	\$300.00
Extra Labor	12.00 @	\$48.00	\$576.00	Pump	1.00 @	\$575.00	\$575.00
Riq Fuel	@			Tank	1.00 @	\$175.00	\$175.00
Pump Fuel	@			Base Beam	1.00 @	\$40.00	\$40.00
Cementing Services	@			Pipe Handler	@		
Extra Cement - Cementing Services	@			Loader	@		
P & A Bidded Cost	@			Pipe Racks	@		
				Power Swivel	@		
				JU/Washington H	1.00 @	\$150.00	\$150.00
				Rod/TBG Tongs	@		
				Adapter Flange	@		
				Catwalk	@		

ReCharge Items	Qty.	Rate Hr/Day/Ea	Total
Crew Travel	1.00 @	\$210.00	\$210.00
Tool Pusher	@		
Per Diem	@		
Stripper Rubbers	@		
Pipe Wipers	1.00 @	\$44.00	\$44.00
Tong Dies	@		
Slip Dies	@		
Safety Valve	@		
Fishing Tools-Recharge	@		
Pipe Dope	1.00 @	\$36.00	\$36.00
Handling Equipment	@		

Swabbing Equipment	Qty.	Rate Hr/Day/Ea	Total
Swab Cups - Size	@		
OSR	@		
Swabbing Acid	@		
Fishing Tools	@		
Extra Tank	@		
Permits	@		

Description	Qty	Rate	Total
Miscellaneous	1.00 @	\$360.00 (4 1/2 EQUIPMENT)	\$360.00

Discount: \$274.55 (5.00%)

**TOTAL BILLABLE AMOUNT \$5,216.45**

Description of Work Start Time 6:00 AM Stop Time 6:00 PM

6:00 AM TO 6:30 AM CREW TRAVEL TO LOCATION.  
JSA SAFETY MEETING CHECK PRESSURE 0/0 OPEN TO TANK AND LAYDOWN 30 JTS AND 1 - PICE 10' 4 1/2 CHANGE EQUIPMENT AT 2 3/8 AND TRIP IN WITH 43 JTS AND MULE SHOE AT 1423.54' LOAD WELL AND ROLL THE HOLE CLEAN RIG UP O-TEX CEMENT CREW AND PUMPED 152 SACKS 31.1 BBLS AND DISPLACE WITH 3.8 LAYDOWN 25 JTS AND PUMPED WITH 18 JTS AT 600' AND PUMPED 256 SACKS LAYDOWN ALL PIPE WASH ALL EQUIPMENT AND NIPPLE DOWN BOP PUT MORE CEMENT AND TOP OFF WITH 5 MORE PUT CAP RACK UP PUMP AND TANK AND RIG DOWN PUT FENCE CLEAN LOCATION AND MOVE RIG AND EQUIPMENT TO SHOP.

Payroll Section						
Employee	Rev Hours	Travel Hours	Non Rev Hours	Total		
Tool Pusher Quezada, Julian	0.00	0.00	0.00	0.00		
Operator Alonzo, Julio	11.00	1.00	0.00	12.00		
Derrick Barraza, Luis	11.00	1.00	0.00	12.00		
FloorHand Aguilar, Manuel Q	11.00	1.00	0.00	12.00		
FloorHand Caudillo Garcia, Aristeo	11.00	1.00	0.00	12.00		

No Unreported Incidents Per My Signature

Ranger Tool Pusher

Customer/Agent



124323

Rig # R5022

Daily Work Ticket

Report #

<b>Customer Name</b> PDC Energy		<b>Customer AFE #</b>		<b>Date:</b> 5/29/2018
<b>Mailing Address</b>	<b>City</b>	<b>State</b> CO	<b>Zip</b>	<b>County</b> WELD
<b>Field</b>	<b>Lease</b>	<b>Well</b> HAHN 13-27		<b>Order #</b>
<b>Work Description</b>	Workover <input type="checkbox"/>	Rod <input type="checkbox"/>	Rod & Tubing <input type="checkbox"/>	Re-entry <input type="checkbox"/>
	Swabbing <input type="checkbox"/>	Tubing <input type="checkbox"/>	Completion <input type="checkbox"/>	P & A <input checked="" type="checkbox"/>

Description	Qty.	Rate Hr/Day/Ea	Total	Workover Equipment	Qty.	Rate Hr/Day/Ea	Total
Riq & Crew	13.00 @	\$275.00	\$3,575.00	BOP	1.00 @	\$300.00	\$300.00
Extra Labor	14.00 @	\$48.00	\$672.00	Pump	1.00 @	\$575.00	\$575.00
Riq Fuel	@			Tank	1.00 @	\$175.00	\$175.00
Pump Fuel	@			Base Beam	1.00 @	\$40.00	\$40.00
Cementing Services	@			Pipe Handler	@		
Extra Cement - Cementing Services	@			Loader	@		
P & A Bidded Cost	@			Pipe Racks	@		
				Power Swivel	@		
				JU/Washington H	@		
				Rod/TBG Tongs	@		
				Adapter Flange	@		
				Catwalk	@		
ReCharge Items	Qty.	Rate Hr/Day/Ea	Total	Swabbing Equipment	Qty.	Rate Hr/Day/Ea	Total
Crew Travel	1.00 @	\$210.00	\$210.00	Swab Cups - Size	@		
Tool Pusher	@			OSR	@		
Per Diem	@			Swabbing Acid	@		
Stripper Rubbers	@			Fishing Tools	@		
Pipe Wipers	1.00 @	\$44.00	\$44.00	Extra Tank	@		
Tong Dies	@			Permits	@		
Slip Dies	@						
Safety Valve	@						
Fishing Tools-Recharge	@						
Pipe Dope	@						
Handling Equipment	@						
Description	Qty	Rate	Total	<b>Discount:</b> \$279.55 (5.00%)			
Miscellaneous	@			<b>TOTAL BILLABLE AMOUNT</b> \$5,311.45			
<b>Description of Work</b>	<b>Start Time</b> 6:00 AM	<b>Stop Time</b> 8:00 PM					

6:00 AM TO 6:30 AM CREW TRAVEL TO LOCATION.  
JSA SAFETY MEETING RIG UP RIG UP PUMP AND TANK CHECK PRESSURE 720/960 PSI OPEN TO TANK LOAD WELL AND ROLL THE HOLE CLEAN NIPPLE UP BOP AND TRIP TALLY OUT TO DERRECK WITH 42 JTS AND LAYDOWN 174 JTS TO TRAILER WAS LANDED WITH 216 JTS TOTAL RIG UP RANGER WIRE LINE RUN GAUGE RING TO 7145' AND RUN 2 CIBP PLUGS 1- SET AT 7095' WITH 2 SACKS CEMENT ON TOP 2ND SET AT 6772' WITH 2 SACKS CEMENT ON TOP LOAD WELL AND PRESSURE TEST AT 1000 PSI TESTING GOOD MAKE LOG OR CBL TO 1500' AND CUT CASING AT 1300' RIG DOWN WIRE LINE NIPPLE DOWN BOP PULL CASING PULL SLIPS OUT CHANGE ALL EQUIPMENT AT 4 1/2 NIPPLE UP BOP LAYDOWN 4 1/2 SUB CLOSE BOP LOCK AND SHUT DOWN. 7:30 PM TO 8:00 PM CREW TRAVEL TO TOWN.

Payroll Section					
Employee	Rev Hours	Travel Hours	Non Rev Hours	Total	
Tool Pusher	Quezada, Julian	0.00	0.00	0.00	0.00
Operator	Alonzo, Julio	13.00	1.00	0.00	14.00
Derrick	Barraza, Luis	13.00	1.00	0.00	14.00
FloorHand	Aguilar, Manuel Q	13.00	1.00	0.00	14.00
FloorHand	Caudillo Garcia, Aristeo	13.00	1.00	0.00	14.00

No Unreported Incidents Per My  
Signature

Ranger Tool Pusher

Customer/Agent



# Job Summary

 Ticket Number  
 TN# FL3862 Ticket Date  
 5/30/2018

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-20347
WELL NAME	RIG	JOB TYPE
Hahn 13-27	Ranger #22	Stub Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NWSW 27 5N67W	Scott, Derek	Ryan Beam

EMPLOYEES
Williamson, Garrick
Lindsay, Kevin
Coral-Flores, Francisco

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)
	10	1000	1300		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	14	375	1000		

## 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	375		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		1300	1423		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

## CEMENT DATA

Stage 1:	From Depth (ft):	1000	To Depth (ft):	1423
Type: Stub Plug	Volume (sacks):	152	Volume (bbls):	31.1
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
100% Class G+2% CaCl2	15.8	1.16	5.00	

Stage 2:	From Depth (ft):	110	To Depth (ft):	600
Type: Top Plug	Volume (sacks):	224	Volume (bbls):	46
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
100% Class G+2% CaCl2	15.8	1.15	5.00	

Stage 3:	From Depth (ft):	0	To Depth (ft):	110
Type: Top Plug	Volume (sacks):	34	Volume (bbls):	7
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
100% Class G	15.8	1.15	5.00	

Stage 4:	From Depth (ft):	0	To Depth (ft):	0
Type: Top off	Volume (sacks):	5	Volume (bbls):	1
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
100% Class G	15.8	1.15	5.00	

## SUMMARY

Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	3.8	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	3.9		
	bbls of				
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	85.1	Lost Returns (Y/N):	N (if Y, when)		
Total Fluid Pumped	99				
Returns to Surface:	Cement	2 bbls			

Job Notes (fluids pumped / procedures / tools / etc.): Plug 1) Covered stub from 1000' to 1423' with 152sx of G+2% CaCl2 (31.1bbls). Plug 2) Pumped cement to surface with 224sx of G+2% CaCl2 (46bbls) and 34sx Neat G (7bbls). We topped off the well with 5sx Neat G (1bbls). Job went well.

Customer Representative Signature:

 Thank You For Using  
 O-TEX Cementing



[illegible]



FIELD RECEIPT

TN # FL3862

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

Service Date:	5/30/2018
Customer:	PDC Energy, Inc.
Address:	PO Box 26
City:	Bridgeport
St:	WV 26330
Customer Rep:	Ryan Beam

Well Name:	Hahn 13-27
County:	Weld
State:	Colorado
API #	05-123-20347
AFE #	

Job Type:	Stub Plug
Service Supervisor:	Scott, Derek
Pump #1	445033
Pump #2	

REF #	Description	unit of measure	unit price	quan	gross	disc	net
CM006	O-Tex Ultra Premium Cement (94lbs/ft3)	94SACK	38.20				
CP018	Calcium Chloride	LBS	1.22				
CT002	Pump Charge 0-2000'	4-HRS	3,234.33				
JM001	Data Acquisition System	JOB	1,437.48				
AE014	Environmental Fee*	JOB	228.69				
ML001	Pickup Mileage	UNTMIL	4.26				
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	7.32				
ML003	Bulk Cement Delivery/Return	MILE	2.95				
MX001	Bulk Material Mixing Service Charge	SCF	3.27				

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

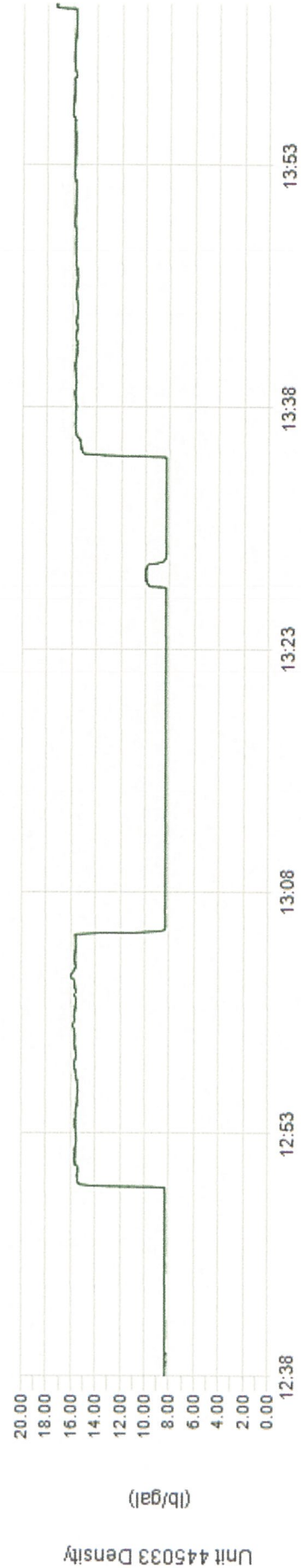
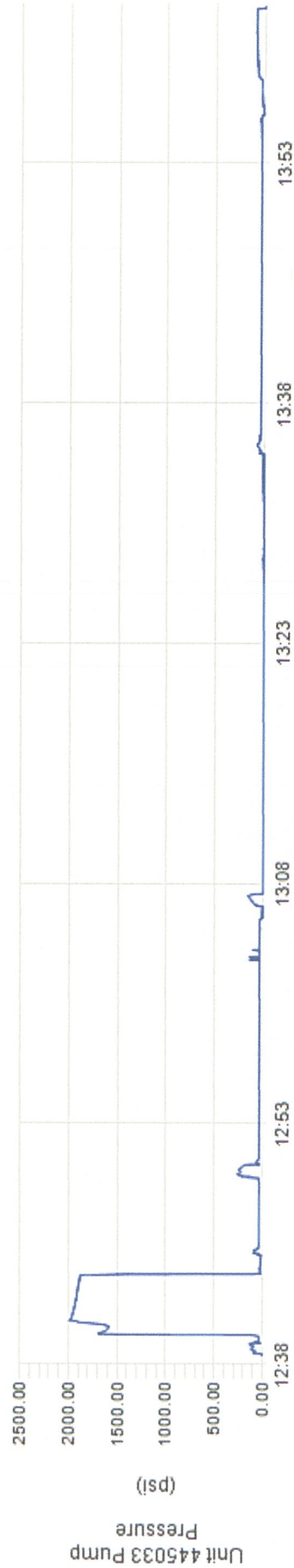
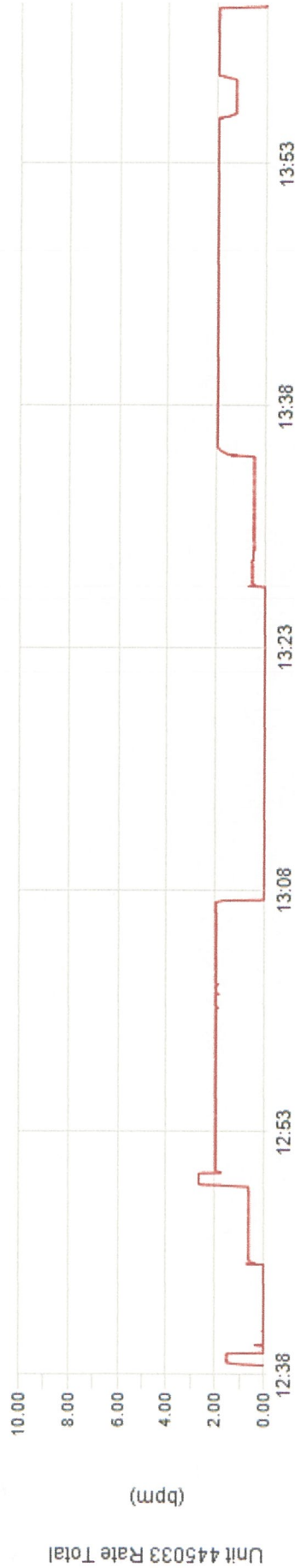
Customer Authorized Agent: \_\_\_\_\_

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.





Client	PDC Energy	Client Rep	Ryan Beam	Supervisor	Derek Scott
Ticket No.	3862	Well Name	Hahn 13-27	Unit No.	445033
Location	NWSW 27-5N-67W	Job Type	Abandonment Plugs	Service District	Brighton, CO
Comments	See Job Log			Job Date	05/30/2018



# RANGER ENERGY SERVICES, LLC

## WIRELINE DIVISION

3333 Center Dr  
Milliken, Co



Service Date:

<b>Company Name:</b> PDC		<b>Company Address:</b>		<b>Field Ticket Number:</b> 30001887
<b>Well Name:</b> Hahn 13-27	<b>Field:</b> WATTENBERG	<b>County:</b> WELD	<b>State:</b> COLORADO	<b>Rig Name &amp; Number:</b> Ranger Rig 22
<b>SERVICE NOTES:</b> JCGR TO 7145' / Set STS CIBP @ ' with 2 sx cemen / Set STS CIBP 6772@ with 2sx cement / CBL 1500' to surface / Jet cut 4.5" casing @ 1300'			<b>Date:</b> 5/29/2018	<b>Wireline Unit #</b> 222 <b>Engineer:</b> J. JOHNSON <b>Operator:</b> T. VAN NEST <b>Operator:</b> J. MICHAEL

RUN	CODE	DESCRIPTIONS	QTY	UNIT PRICE	DISCOUNT	AMOUNT
1	1000-001	Set Up Charge Cased Hole Unit	1	\$		
	3000-001	Packoff Operation Charge0#-1000#	1	\$		
	2000-003	API Type 6BX, 5,000 lb. WP 13-3/8" and smaller	1	\$		
2	8000-009	Junk Catcher / Gauge Ring Depth Charge	7145	\$		
	8000-010	Junk Catcher / Gauge Ring Operation Charge	1	\$		
3	8000-001	Bridge Plug Depth Charge	7095	\$		
	8000-002	Bridge Plug Operation Charge	1	\$		
4	8000-015	Setting Tool Rental, per tool	1	\$		
	7000-006	Dump Bailer Depth Charge	7095	\$		
	7000-007	Dump Bailer Operation Charge	1	\$		
5	8000-001	Bridge Plug Depth Charge	6772	\$		
	8000-002	Bridge Plug Operation Charge	1	\$		
	8000-015	Setting Tool Rental, per tool	1	\$		
	7000-006	Dump Bailer Depth Charge	6772	\$		
	7000-007	Dump Bailer Operation Charge	1	\$		
5	4000-017	Cement Bond Log Depth Charge	2000	\$		
	4000-018	Cement Bond Log Operation Charge	2000	\$		
	4000-009	Simultaneous Gamma Ray Log Depth Charge	2000	\$		
	4000-010	Simultaneous Gamma Ray Log Operation Charge	2000	\$		
	4000-013	Simultaneous CCL Log Depth Charge	2000	\$		
	4000-014	Simultaneous CCL Log Operation Charge	2000	\$		
7	5000-011	Jet Cutter Depth Charge	1300	\$		
	5000-014	Jet Cutter Operation Charge for Casing	1	\$		
6	8000-014	Standard Set Power Charge	2	\$		

<b>Customer Signature:</b>	<b>Customer Name Printed:</b>	<b>Ranger Energy Services Representative Signature:</b>
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The above estimated charges and data shown are subject to change by Ranger Energy Services, LLC. Payment terms are net 30 Days.





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



5/30/2018

Fax: 970.284.6682

1377

17-01

OCG#:

Casino Sz &amp; Wt:

Service Man

[illegible]

Terms: Net 30 Days

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

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