



Daily Work Ticket

Report #

Customer Name PDC Energy		Customer AFE #		Date: 12/5/2018	
Mailing Address	City	State CO	Zip	County WELD	
Field	Lease	Well HERGERT 1-6		Order #	
Work Description	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	6.0			BOP	1.0		
Extra Labor	7.0			Pump	1.0		
Riq Fuel	@			Tank	1.0		
Pump Fuel	@			Base Beam	1.0		
Cementing Services	@			Pipe Handler	@		
Extra Cement - Cementing Services	@			Loader	@		
P & A Bidded Cost	@			Pipe Racks	@		
ReCharge Items				Power Swivel	@		
Crew Travel	1.00			JU/Washington H	1.0		
Tool Pusher	@			Rod/TBG Tongs	@		
Per Diem	@			Adapter Flange	@		
Stripper Rubbers	@			Catwalk	@		
Pipe Wipers	1.00			Swabbing Equipment			
Tong Dies	@			Swab Cups - Size	@		
Slip Dies	@			OSR	@		
Safety Valve	@			Swabbing Acid	@		
Fishing Tools-Recharge	@			Fishing Tools	@		
Pipe Dope	1.00			Extra Tank	@		
Handling Equipment	@			Permits	@		
Gas Monitors and Pack	@						
Description				Discount: \$0.00 (0.00%)			
Miscellaneous	1.00			TOTAL BILLABLE AMOUNT			
MONITOR							

Description of Work Start Time 6:00 AM Stop Time 1:00 PM

6:00 AM TO 7:00 AM CREW TRAVEL TO LOCATION.
JSA SAFETY MEETING CHECK PRESSURE 0/0 OPEN TO TANK TRIP IN WITH 42 JTS + 1-12' AND STINGER BREAK CIRCULATION RIG UP O-TEX CEMENT CREW AND PUMPED 30.8 BBLS LAYDOWN 25 JTS AND PULL 17 JTS TO DERRECK AND TRIP IN WITH 17 JTS AT 546.57' AND PUMPED 11.25 BBLS LAYDOWN ALL PIPE AND TOP OFF WASH ALL EQUIPMENT NIPPLE DOWN BOP PUT MASTER VALVE RACK UP PUMP AND TANK AND RIG DOWN PUT FENCE AND CLEAN LOCATION.

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	6.00	1.00	0.00	7.00
Derrick	Quiroz Aguilar, Manuel	6.00	1.00	0.00	7.00
FloorHand	Caudillo Garcia, Aristeo	6.00	1.00	0.00	7.00
FloorHand	Garcia, Cenovio	6.00	1.00	0.00	7.00

No Unreported Incidents Per My
Signature

Ranger Tool Pusher

Customer/Agent



Daily Work Ticket

Report #

Customer Name PDC Energy		Customer AFE #		Date: 12/4/2018
Mailing Address	City	State CO	Zip	County WELD
Field	Lease	Well HERGERT 1-6		Order #
Work Description	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	1			BOP	1.00					
Extra Labor	13			Pump	1.00					
Riq Fuel				Tank	1.00					
Pump Fuel				Base Beam	1.00					
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	@					
				Swabbing Equipment						
				Swab Cups - Size	@					
				OSR	@					
				Swabbing Acid	@					
				Fishing Tools	@					
Pipe Dope	1			Extra Tank	@					
Handling Equipment				Permits	@					
Gas Monitors and Pack				Discount: \$0.00 (0.00%)						
Description				TOTAL BILLABLE AMOUNT						
Miscellaneous	1									
	MON									
Description of Work Start Time 6:00 AM Stop Time 7:00 pm										

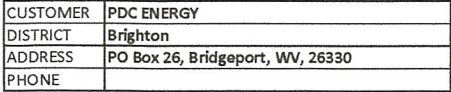
6:00 AM TO 7:00 AM CREW TRAVEL TO LOCATION.
JSA SAFETY CHECK PRESSURE 500/700 PSI OPEN TO TANK AND KILL WITH 50 BBLs NIPPLE UP BOP AND RIG UP WIRE LINE MAKE GYRO TO 7307' RIG DOWN WIRE LINE ROLL THE HOLE CLEAN AND PULL TALLY 42 JTS TO DERRECK AN LAYDOWN 192 JTS ON THE TRAILER WAS LANDED WITH 234 JTS 1-10' AND 1-12' SUBS TOTAL RIG UP RANGER WIRE LINE AND RUN 2 PLUGS 1 SET AT 7277' WITH 2 SACKS OF CEMENT ON TOP AND SET 2 ND AT 6945' WITH 2 SACKS OF CEMENT ON TOP LOAD WELL AND PRESSURE TEST AT 1000 PSI TESTING GOOD LOG FROM 2000' TO SURFACE AND SHOOT SQUEEZE HOLES AT 1600' AND 1300' AND SET CIRC AT 1315' RIG DOWN WIRE LINE CLOSE BOP LOCK AND SHUT DOWN. 6:00 PM TO 7:00 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	11.00	2.00	0.00	13.00
Derrick	Quiroz Aguilar, Manuel	11.00	2.00	0.00	13.00
FloorHand	Caudillo Garcia, Aristeo	11.00	2.00	0.00	13.00
FloorHand	Garcia, Cenovio	11.00	2.00	0.00	13.00

No Unreported Incidents Per My
Signature

Ranger Tool Pusher

Customer/Agent



TICKET	BCO-1812-0027
DATE	12/5/2018
CREW INFORMATION	
SUPERVISOR	Barlen Joyner
PUMP UNIT	445051
NUMBERS	
ARRIVAL (D&T)	12/5/18 7:20 AM
DEPARTURE (D&T)	12/5/18 11:30 AM

[illegible][illegible]

Customer Name Printed _____

Customer Signature _____

Date Signed _____



Job Summary

Ticket Number
TN# **BCO-1812-0027** Ticket Date
12/5/2018

COUNTY	COMPANY	API Number
Weld	PDC ENERGY	05-123-11689
WELL NAME	RIG	JOB TYPE
Hergert 1-6	Ranger 22	Squeeze Job
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.51136 -104.81958	Barlen Joyner	Ryan Beam

EMPLOYEES
<i>Cori White</i>
<i>John Clark</i>

WELL PROFILE			
Max Treating Pressure (psi):	1500	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	1300	1600		
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)
Production	4 1/2	11.6		0	1600		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2 3/8	4.7		0	1315		
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):	1300	To Depth (ft):	1600	
Type: Squeeze	Volume (sacks):	130	Volume (bbls):	30.8	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
100% III			14.8	1.33	6.32

Stage 2:	From Depth (ft):	0	To Depth (ft):	546	
Type: Surface Plug	Volume (sacks):	49	Volume (bbls):	11.5	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
100% III			14.8	1.33	6.32

Stage 3:	From Depth (ft):	0	To Depth (ft):	58	
	Type: Top Off				
	Volume (sacks):	4	Volume (bbls):	0.9	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
100% III			14.8	1.33	6.32

Stage 4: Type: Top-out	From Depth (ft):	<div>0</div>	To Depth (ft):	<div>32</div>	
	Volume (sacks):	<div>2</div>	Volume (bbls):	<div>0.5</div>	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
100% III			14.8	1.33	6.32

SUMMARY

Preflushes:	9 bbls of	Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2
	bbls of		Actual Displacement (bbl):	2.7	
	bbls of			2.7	
Total Preflush/Spacer Volume (bbl):	9		Plug Bump (Y/N):	N/A	Bump Pressure (psi): N/A
Total Slurry Volume (bbl):	43.7		Lost Returns (Y/N):	N	(if Y, when) N/A
Total Fluid Pumped	55.4				
Returns to Surface:	Cement	1 bbls			

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

See job log.

Customer Representative Signature:

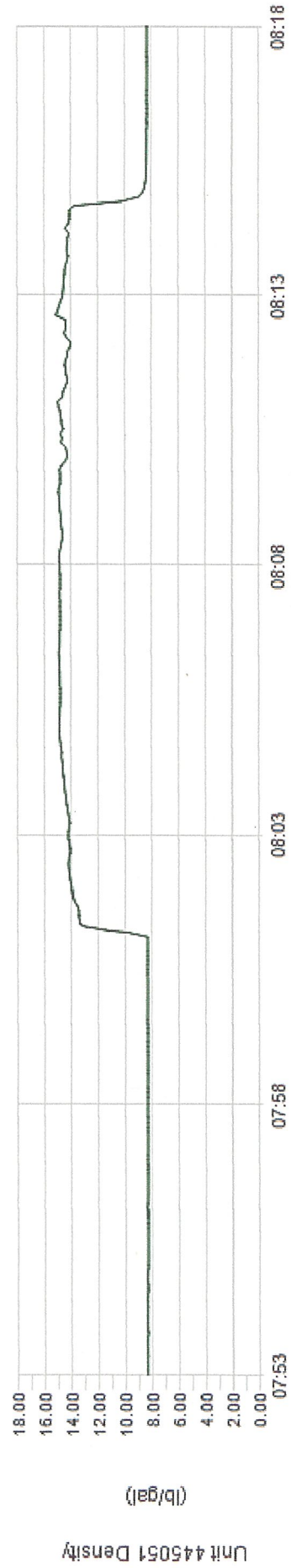
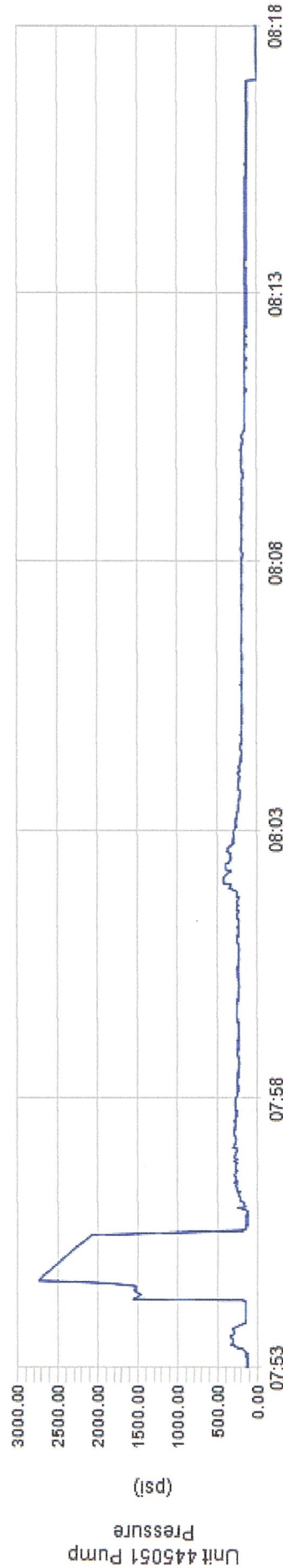
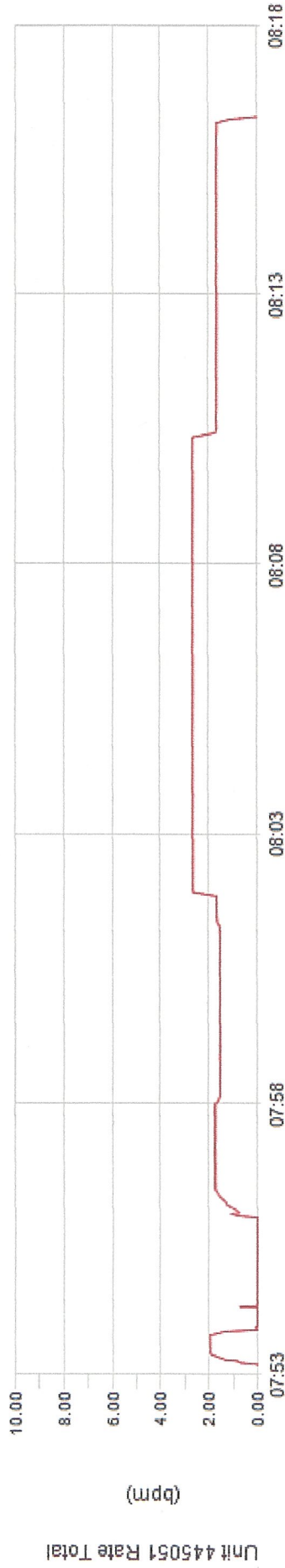
Thank You For Using
CJES O-TEX Cementing

Cement Job Log

C&J ENERGY SERVICES		Customer: PDC ENERGY		Date: 12/5/2018		Serv. Supervisor: Barlen Joyner	
Cust. Rep.: Ryan Beam		Ticket #: BCO-1812-0027		Serv. Center Brighton - 3021			
Lease: Hergert 1-6		API Well #: 05-123-11689		County: Weld State: CO			
Well Type: Oil		Rig: Ranger 22		Type of Job: Squeeze Job			
Materials Furnished by C&J ENERGY SERVICES							
Plugs		Casing Hardware		Physical Slurry Properties			
				Sacks of Cement	Fluid Dens (lb/gal)	Excess	Yield (cuft/sk)
							Mix Water (gal/sk)
							Fluid Volume (bbls)
							Mix Water (bbls)
5 bbls water							
Squeeze - 10 sx on top of CICR @ 1315		100 % CJ922		130	14.8	1.33	6.32
Surface Plug		100 % CJ922		36	14.8	1.33	6.32
Top-out		100% CJ922		4	14.8	1.33	6.32
Displacement Chemicals:							
OPEN HOLE DATA		TUBULAR DATA					
10" from 1300' to 1600'		CICR @ 1315'		SIZE WEIGHT	THREAD	DEPTH (ft)	GRADE
				2 3/8 4.7#	LTC	1315	J-55
							ID (in)
							BURST (psi)
							COLLAPSE (psi)
PREVIOUS CASING DATA		PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS	
4 1/2 11.6# from 0' to 1600'		TOP		BTM	SPF	SIZE	SHOE
		1300		1600			FLOAT
							STAGE
							ACP
							N/A
WELL FLUID		DISPLACEMENT FLUID		DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY			
Mud	9.0 ppg	2.7 bbl	Water	8.3 ppg	N/A	1500	180
Rate (bbl/min)		Csg. Press. (psi)	Tbg. Press. (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	
Time							Stage Details
7:20 AM							0 Arrive on location / sign in
7:30 AM							0 Spot trucks / rig in
7:50 AM							0 Wait for rig to finish running tubing & circulate well
8:10 AM							0 Safety meeting
8:36 AM			2730				0 Pressure test
8:38 AM	1.7		286		5		5 Fresh water spacer
8:43 AM	2.6		217		30.8	35.8	Mix, weigh & pump 130sx III @ 14.8ppg - Squeeze from 1300' to 1600' inside & of the 4 1/2
8:56 AM	1.7		139		2.7	38.5	Displace to 2.4 bbls shy of the retainer (per customer request)
8:58 AM			0			38.5	Stop / unsting from retainer
9:00 AM						38.5	Wait for rig to pull tubing / remove stinger / run tubing
9:43 AM	2.3		43		4	42.5	Fresh water spacer
9:45 AM	1.8		35		10.5	53	Mix, weigh & pump 49sx III @ 14.8ppg - Surface plug from 0' to 54'
9:51 AM	1.8		18		1	54	Cement to surface
9:51 AM			0			54	Stop / verify zero
9:54 AM						54	Wait for rig to pull tubing & nipple down
10:09 AM	0.5		0		0.9	54.9	Top-out well with 4sx III @ 14.8ppg - Top-out from 0' to 58'
10:11 AM						54.9	Stop / verify zero
10:17 AM						54.9	Wait for cement to stop falling
10:35 AM	0.3		0		0.5	55.4	Top-out well with 2sx III @ 14.8ppg - Top-out from 0' to 32'
10:36 AM			0			55.4	Stop / verify zero
10:40 AM						55.4	Wash up pumps & lines (1 bbl / 4 sx left in mix tub)
11:00 AM						55.4	Rig out
11:30 AM						55.4	Leave location
						55.4	
Left Yard	12/5/18 6:20 AM	Left Loc.	12/5/18 11:30 AM	Start Pump	12/5/18 8:39 AM		
Arrived Loc.	12/5/18 7:20 AM	Returned Yd.	12/5/18 12:30 PM	End Pump	12/5/18 10:37 AM		
Bumped Plug (psi)	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)
No	N/A	No	0	1	0	Yes	286
							Casing Rotation
							Standby Charged (hrs)
							Casing Reciprocation
Barlen Joyner							12/5/2018
Service Supervisor							Date

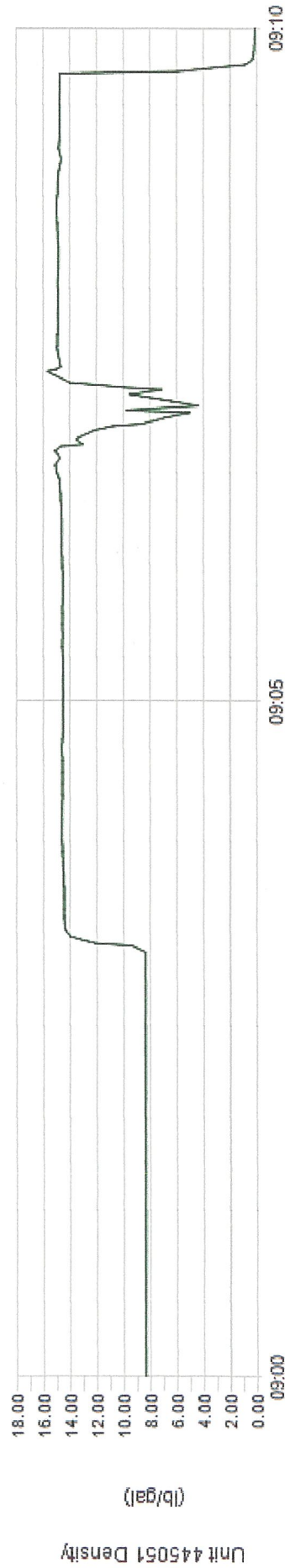
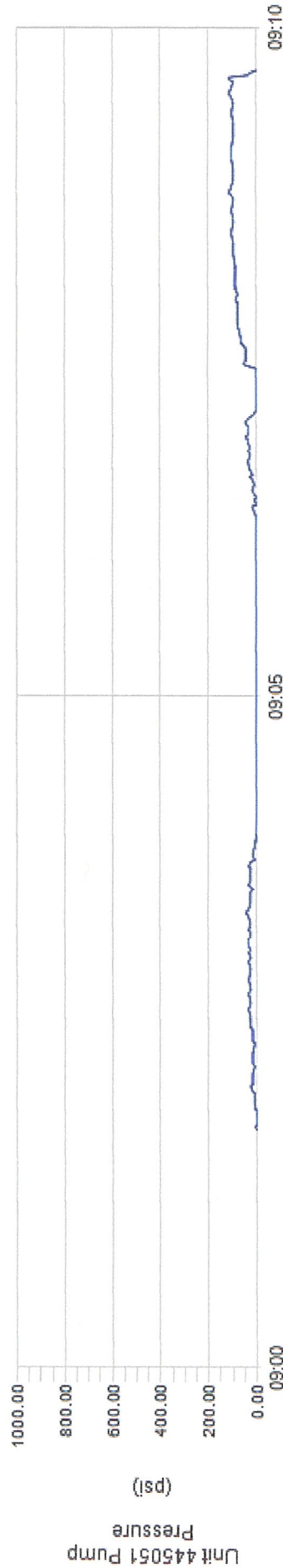
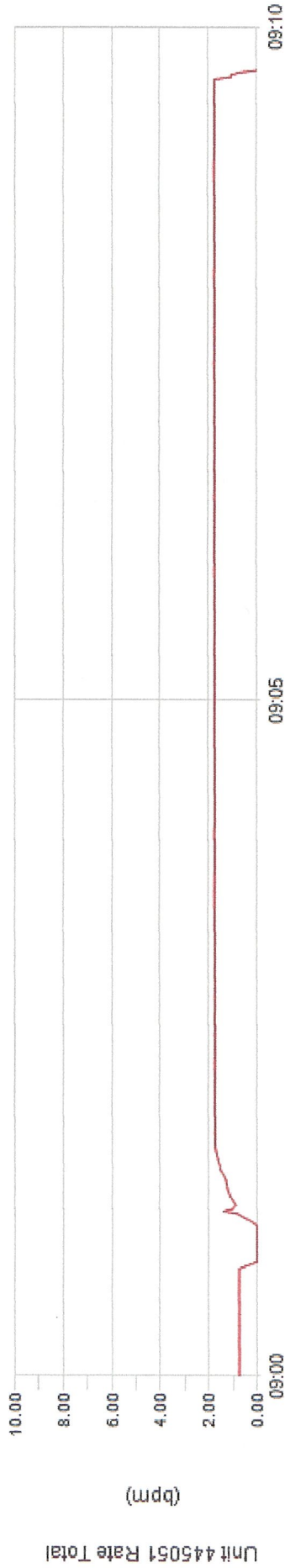


Client	PDC ENERGY	Client Rep	Ryan Beam	Supervisor	Barlen
Ticket No.	18120027	Well Name	Hergert 1-6	Unit No.	445051
Location	SWSE 6 6N66W 6 PM	Job Type	Abandonment Plugs	Service District	Brighton
Comments	130sx III @ 14.8ppg			Job Date	12/05/2018





Client	PDC ENERGY	Client Rep	Ryan Beam	Supervisor	Barlen
Ticket No.	18120027	Well Name	Hergert 1-6	Unit No.	445051
Location	SWSE 6 6N66W 6 PM	Job Type	Abandonment Plugs	Service District	Brighton
Comments	49sx III @ 14.8ppg			Job Date	12/05/2018



RANGER ENERGY SERVICES, LLC

WIRELINE DIVISION

5903 Hannum Rd.
Gillette, WY
82716



Company Name: PDC ENERGY		Company Address:			Field Ticket Number: 10001170	
Well Name: HERGERT 1-6		Field: EATON	County: WELD	State: COLORADO	Rig Name & Number: RANGER ENREGY SERVICES RIG #22	
API #: 5-123-11689		AFE #:			Date: 12/4/2018	Wireline Unit # 222
<div>SERVICE NOTES: 1.) Set CIBP @ 7277' 4.) CBL 2000' - Surface 7.) Perforate 8' x 2spf 1292' - 1300'</div> <div>2.) CDB 2sx @ 7277' 5.) CDB 2sx @ 6945' 8.) Set CICR @ 1315'</div> <div>3.) Set CIBP @ 6945' 6.) Perforate 1' x 4spf 1600' - 1601'</div>						
						Engineer: A. Reagan
						Operator: J. Johnson
						Operator: T. Van Nest
						Operator: J. Michael

RUN	CODE	DESCRIPTIONS	QTY	UNIT PRICE	DISCOUNT	AMOUNT
	1000-001	Set Up Charge Cased Hole Unit	1			
	3000-001	Packoff Operation Charge0#-1000#	1			
	8000-001	Bridge Plug Depth Charge	7277			
	8000-015	Setting Tool Rental, per tool	1			
	8000-002	Bridge Plug Operation Charge	1			
	8000-014	Standard Set Power Charge	1			
	7000-006	Dump Bailer Depth Charge	7277			
	7000-007	Dump Bailer Operation Charge	1			
	8000-001	Bridge Plug Depth Charge	6945			
	8000-015	Setting Tool Rental, per tool	1			
	8000-002	Bridge Plug Operation Charge	1			
	8000-014	Standard Set Power Charge	1			
	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			
	7000-006	Dump Bailer Depth Charge	6945			
	7000-007	Dump Bailer Operation Charge	1			
	6200-000	Hollow Carrier Depth Charge (Expendable)	1600			
	6400-000	Scalloped Gun Carriers, per shot	40			
	6200-000	Hollow Carrier Depth Charge (Expendable)	1300			
	6400-000	Scalloped Gun Carriers, per shot	40			
	8000-007	Cement Retainer Depth Charge	1315			
	8000-015	Setting Tool Rental, per tool	1			
	8000-008	Cement Retainer Operation Charge	1			
	8000-014	Standard Set Power Charge	1			
	1000-022	Customer Instrument Service Depth charge	7300			
	1000-021	Customer Instrument Service Operation Charge	1			

RANGER ENERGY SERVICES, LLC

WIRELINE DIVISION

5903 Hannum Rd.
Gillette, WY
82716



Company Name: PDC ENERGY		Company Address:			Field Ticket Number: 10001170	
Well Name: HERGERT 1-6		Field: EATON	County: WELD	State: COLORADO	Rig Name & Number: RANGER ENREGY SERVICES RIG #22	
API #: 5-123-11689		AFE #:		Date: 12/4/2018	Wireline Unit # 222	
SERVICE NOTES: 1.) Set CIBP @ 7277'		4.) CBL 2000' - Surface		7.) Perforate 8' x 2spf 1292' - 1300'		Engineer: A. Reagan
2.) CDB 2sx @ 7277'		5.) CDB 2sx @ 6945'		8.) Set CICR @ 1315'		Operator: J. Johnson
3.) Set CIBP @ 6945'		6.) Perforate 1' x 4spf 1600' - 1601'				Operator: T. Van Nest
						Operator: J. Michael

SUB TOTAL
Bulk Discount
TAX
TOTAL

0.00

Customer Signature:	Customer Name Printed:	Ranger Energy Services Representative Signature:	Ranger Energy Services Representative:
	MR. RYAN BEAM		ANDREW REAGAN

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

NO 73327

12/5/2018

Fax: 970.284.6682

1-6

OCSG #:

1000

Service Man

Subtotal Non-Taxable ChargesDate:



12/5/2018

12/5/2018

Terms: Net 30 Days

Date: