



Daily Work Ticket

Report #

Customer Name PDC Energy		Customer AFE #		Date: 11/13/2017
Mailing Address	City	State CO	Zip	County WELD
Field	Lease	Well DROEGEMULLER 11-15		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
Rig & 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
Rig 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	1.00	@ \$36.00	\$36.00				
Handling Equipment	@						
Description	Qty	Rate	Total	Discount: \$814.65 (15.00%)			
Miscellaneous	1.00 @ \$200.00 (BOP TOP SEALS)		\$200.00	TOTAL BILLABLE AMOUNT \$4,616.35			
Miscellaneous	1.00 @ \$250.00 (BOP BLOCK RUBBERS)		\$250.00				

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 MOVE THE RIG TO NEXT LOCATION SPOT IN ALL EQUIPMENT AND RIG UP RIG UP PUMP AND TANK CHECK PRESSURE 380/450 PSI OPEN TO TANK LOAD WELL ROLL THE HOLE CLEAN NIPPLE UP BOP AND PULL TALLY 24 JTS TO DERRECK AND LAYDOWN 189 JTS IN THE TRAILER WAS LANDED WITH 213 JTS TOTAL RIG UP RANGER WIRE LINE RUN GAUGE RING TO 6680' AND RUN 2 CIBP PLUGS 1 SET AT @ 6658' WITH 2 SXS CEMENT ON TOP SET 2ND AT @ 6368' WITH 2 SXS CEMENT ON TOP LOAD WELL AND PRESSURE TEST AT 1000 PSI TESTING GOOD MAKE LOG FROM 800' AND CUT CASING AT 700' RIG DOWN WIRE LINE NIPPLE DOWN BOP PULL CASING AND PULL SLIPS OUT CHANGE EQUIPMENT AT 4 1/2 NIPPLE UP BOP LOAD WELL BREAK CIRCULATION AND ROLL THE HOLE CLEAN CLOSE BOP LOCK AND SHUT DOWN. 5:30 PM TO 6:00 PM CREW TRAVEL TO 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	Terrazas, Hector	11.00	1.00	0.00	12.00
Derrick	Batista Macias, David	11.00	1.00	0.00	12.00
FloorHand	Valenzuela, Damian	11.00	1.00	0.00	12.00
FloorHand	Quezada, Omar	11.00	1.00	0.00	12.00

No Unreported Incidents Per My
Signature

Ranger Tool Pusher

Customer/Agent



Daily Work Ticket

Report #

Customer Name PDC Energy		Customer AFE #		Date: 11/14/2017	
Mailing Address	City	State CO	Zip	County WELD	
Field	Lease	Well DROEGERMULLER 11-15		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
Rig & Crew	11.50	@ \$275.00	\$3,162.50	BOP	1.00	@ \$300.00	\$300.00
Extra Labor	12.50	@ \$48.00	\$600.00	Pump	1.00	@ \$575.00	\$575.00
Rig Fuel	@			Tank	1.00	@ \$175.00	\$175.00
Pump Fuel	@			Base Beam	1.00	@ \$40.00	\$40.00
Cementing Services	@			Pipe Handler	@		
Extra Cement - Cementina Services	@			Loader	@		
P & A Bidded Cost	@			Pipe Racks	@		
				Power Swivel	@		
				JU/Washington H	1.00	@ \$150.00	\$150.00
				Rod/TBG Tongs	@		
				Adapter Flange	1.00	@ \$35.00	\$35.00
				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	1.00	@ \$36.00	\$36.00				
Handling Equipment	@						
Description	Qty	Rate	Total	Discount: \$853.13 (15.00%)			
Miscellaneous	1.00	@ \$360.00 (4 1/2 EQUIPMENT)	\$360.00	TOTAL BILLABLE AMOUNT \$4,834.38			

Description of Work Start Time 6:00 AM Stop Time 6:30 PM

6:00 AM TO 6:30 AM CREW TRAVEL TO LOCATION.
JSA SAFETY MEETING CHECK PRESSURE 0/0 OPEN TO TANK LAYDOWN 17 JTS 4 1/2 CHANGE EQUIPMENT AT 2 3/8 AND TRIP IN WITH 26 JTS AND 6' MULE SHOE AT @ 817' BREAK CIRCULATION AND RIG UP O-TEX CEMENT CREW PUMPED RIG DOWN CEMENT CREW LAYDOWN ALL PIPE IN THE TRAILER WASH ALL EQUIPMENT AND NIPPLE DOWN BOP AND PUT MORE CEMENT TO TOP OFF TOTAL CEMENT = 365 SACKS 73 BBLS PUT CAP RACK UP PUMP AND TANK AND RIG DOWN AND MOVE OFF PUT FENCE CLEAN LOCATION AND SHUT DOWN. 6:00 PM TO 6:30 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	0.00
Operator	Terrazas, Hector	11.50	1.00	0.00	12.50	12.50
Derrick	Batista Macias, David	11.50	1.00	0.00	12.50	12.50
FloorHand	Valenzuela, Damian	11.50	1.00	0.00	12.50	12.50
FloorHand	Quezada, Omar	11.50	1.00	0.00	12.50	12.50

No Unreported Incidents Per My
Signature

Ranger Tool Pusher

Customer/Agent



Job Summary

Ticket Number		Date	
TN#	FL2603	11/14/2017	
COUNTY	COMPANY	API Number	
Weld	PDC Energy, Inc.	05-123-20561	
WELL NAME	RIG	JOB TYPE	
Droegemuller 11-15	Ranger #3	Stub Plug	
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP	
NWNW 15-5N-64W	Cheal, Sam	Eduardo Chavez	
EMPLOYEES			
Payne, James			
Cadena, Darius			
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)
	14	487	700	487	700

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 5/8	24	J-55	0	487	0	487
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4 1/2	10.5	P-110	700	800	700	800
Type	Size (in)	Weight (lb/ft)		TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2 3/8	4.7		0	817	0	817

CEMENT DATA

Stage 1: From Depth (ft): 0 To Depth (ft): 817
Type: Stub Plug
Volume (sacks): 366 Volume (bbls): 75

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):	
		Actual Displacement (bbl):	
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	N/A
Total Slurry Volume (bbl):	75	Lost Returns (Y/N):	No (if Y, when)
Total Fluid Pumped	85	Bump Pressure (psi):	N/A
Returns to Surface:	Cement 2 bbls		

Job Notes (fluids pumped / procedures / tools / etc.): **Stub plug - Pumped 10bbls fresh water to establish circulation, Mixed / Pumped 72bbls of cement @15.8ppg. cement to surface, Shutdown, Pulled 2 3/8" Tubing out, Topped off well with 3bbls cement. Estimated cement coverage 0 - 817ft. Pumped job as per program / customers request. Detailed discription of events in Job Log.**

Thank You For Using
O - TEX Pumping

Customer Representative Signature: _____

[illegible]



Field Cementing Water Analysis

Company: PDC Energy, Inc.
Well: Droegemuller 11-15

Test Date: 11/14/2017
Ticket Number: FL2603

Ion	Sample Volume	Titer	Factor	Concentration	Units	Limit
pH				7		6 - 8
Calcium	50	170	0.801	136.17	mg/l	<300
Total Hardness				250	mg/l	<600
Chlorides				92	mg/l	<500
Alkalinity				350	mg/l CaCO ₃	<600
Slurry Temperature				83	°F	50-80°F

Water Analysis Limits		
	Limits	Potential Impact of Excess
pH	6 - 8	Accelerate or Retard Set Time, Short & Long Term Stability Issues
Calcium	<300	Accelerate Set Times and Higher Mixing Viscosities
Total Hardness	<600	Accelerate or Retard Set Time and Higher Mixing Viscosities
Chlorides	<500	Accelerate Set Time, Higher Mixing Visc, Interfere with fluid loss chemical
Alkalinity	<600	Accelerate or Retard Set Time, Lower Compressive Strength, Higher Visc
Slurry Temperature	50-80°F	Blend will not perform as designed

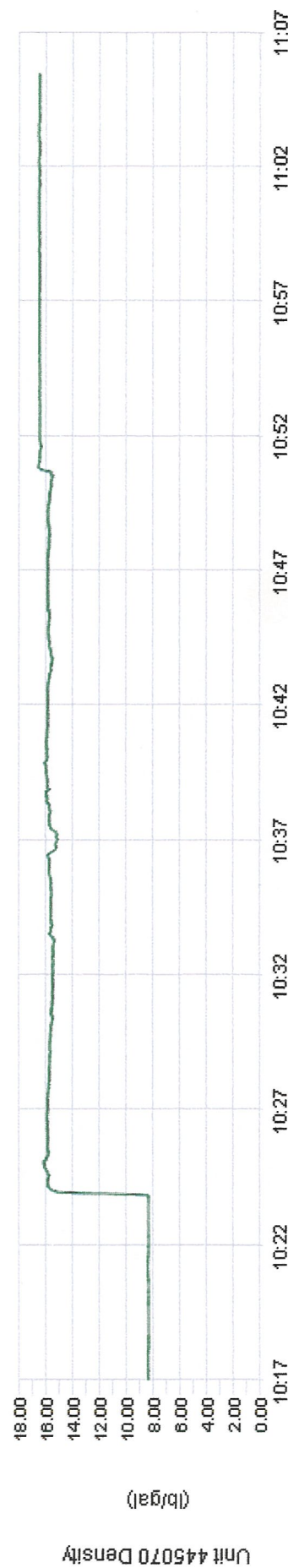
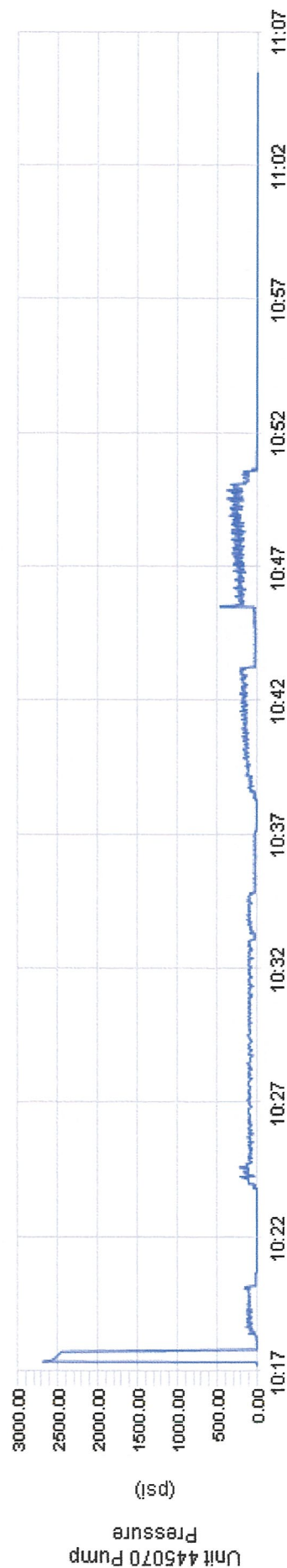
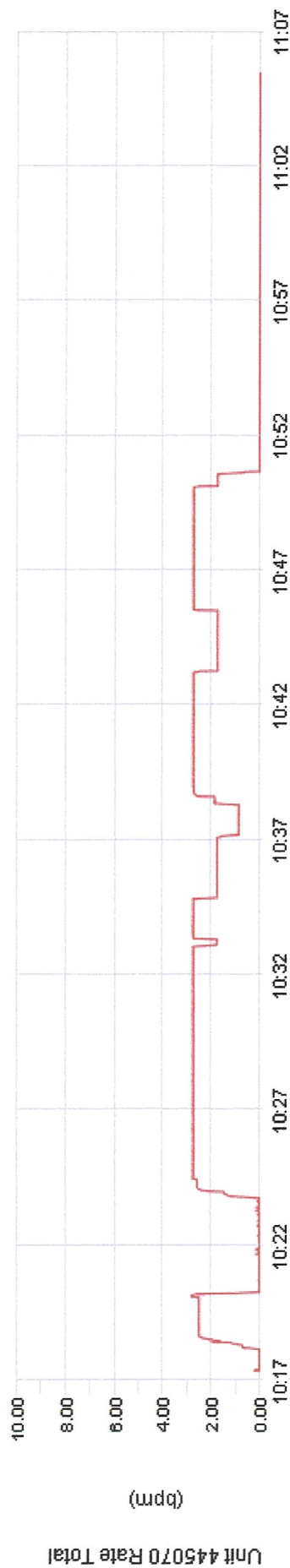
O-Tex Supervisor Signature: _____

Company Supervisor Signature: _____



Client	PDC Energy, Inc.	Supervisor	Sam Cheal
Ticket No.	FL2603	Unit No.	445070
Location	NWNW 15-5N-64W	Service District	Brighton, CO
Comments	See job log for details	Job Date	10/14/2017

Client Rep	Eduardo Chavez
Well Name	Droegemuller 11-15
Job Type	Stub plug



RANGER ENERGY SERVICES, LLC

WIRELINE DIVISION

3333 Center Dr
Milliken, Co



Service Date:

Company Name: PDC		Company Address:		Field Ticket Number: 30001775
Well Name: Droegemuller 11-15	Field: WATTENBERG	County: WELD	State: COLORADO	Rig Name & Number: RANGER RIG #3
SERVICE NOTES: JCGR to 6680' / STS CIBP set 6658' with 2 sx cement / STS CIBP set 6368' CBL 1000' to surface/ Jet cut 4.5" casing @ 700'			Date: 11/13/2017	Wireline Unit # 222 Engineer: J. JOHNSON Operator: T. VAN NEST Operator:

RUN	CODE	DESCRIPTIONS	QTY	UNIT PRICE	DISCOUNT	AMOUNT
1	1000-001	Set Up Charge Cased Hole Unit	1	\$ 1,500.00		\$ 450.00
	3000-001	Packoff Operation Charge0#-1000#	1	\$ 900.00		\$ 288.00
	2000-003	API Type 6BX, 5,000 lb. WP 13-3/8" and smaller	1	\$ 205.00		\$ 61.50
2	8000-009	Junk Catcher / Gauge Ring Depth Charge	6680	\$ 0.30		\$ 601.20
	8000-010	Junk Catcher / Gauge Ring Operation Charge	1	\$ 500.00		\$ 110.00
3	8000-001	Bridge Plug Depth Charge	6658	\$ 0.30		\$ 599.22
	8000-002	Bridge Plug Operation Charge	1	\$ 500.00		\$ 135.00
	8000-015	Setting Tool Rental, per tool	1	\$ 1,200.00		\$ 360.00
	7000-006	Dump Bailer Depth Charge	6658	\$ 0.30		\$ 599.22
	7000-007	Dump Bailer Operation Charge	1	\$ 500.00		\$ 110.00
4						
5	8000-001	Bridge Plug Depth Charge	6368	\$ 0.30		\$ 573.12
	8000-002	Bridge Plug Operation Charge	1	\$ 500.00		\$ 135.00
	8000-015	Setting Tool Rental, per tool	1	\$ 1,200.00		\$ 360.00
	7000-006	Dump Bailer Depth Charge	6368	\$ 0.30		\$ 573.12
	7000-007	Dump Bailer Operation Charge	1	\$ 500.00		\$ 110.00
6	4000-017	Cement Bond Log Depth Charge	1000	\$ 0.50		\$ 170.00
	4000-018	Cement Bond Log Operation Charge	1000	\$ 0.50		\$ 170.00
	4000-009	Simultaneous Gamma Ray Log Depth Charge	1000	\$ 0.12		\$ 40.80
7	4000-010	Simultaneous Gamma Ray Log Operation Charge	1000	\$ 0.12		\$ 40.80
	4000-013	Simultaneous CCL Log Depth Charge	1000	\$ 0.10		\$ 34.00
	4000-014	Simultaneous CCL Log Operation Charge	1000	\$ 0.10		\$ 34.00
	5000-011	Jet Cutter Depth Charge	3000	\$ 0.36		\$ 1,080.00
	5000-014	Jet Cutter Operation Charge for Casing	1	\$ 1,700.00		\$ 935.00
8	8000-014	Standard Set Power Charge	2	\$ 250.00		\$ 500.00

SUB TOTAL	\$	8,069.98
Bulk Discount	\$	-
TAX	\$	-
TOTAL	\$	8,069.98

Customer Signature:	Customer Name Printed:	Ranger Energy Services Representative Signature:
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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.