



Job Summary

Ticket Number	Ticket Date
TN# BCO-2001-0062	1/15/2020

COUNTY	COMPANY	API Number
WELD	PDC ENERGY	0512321671
WELL NAME	RIG	JOB TYPE
CARLSON 42-18	Ranger 3	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.48808 -104.58592	Israel Davila	Ryan Beam

EMPLOYEES		
<i>Garrick Williamson</i>		
<i>Mike Arthur</i>		
<i>Kevin Piefer</i>		

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	old

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	14	402	623		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	623	1560		

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	402		
Production	4.5	10.5		1560	1621		
Tubing	2.375	4.7		0	1621		

CEMENT DATA

Stage 1:	From Depth (ft):	1354	To Depth (ft):	1621
Type: Stub plug	Volume (sacks):	90	Volume (bbls):	21
Cement & Additives:				
	Type III	Density (ppg):	14.8	Yield (ft³/sk): 1.33 Water Req. 6.32

Stage 2:	From Depth (ft):	0	To Depth (ft):	623
Type: Surface Plug	Volume (sacks):	230	Volume (bbls):	54
Cement & Additives:				
	Type III	Density (ppg):	14.8	Yield (ft³/sk): 1.33 Water Req. 6.32

Stage 3:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
		Density (ppg):		Yield (ft³/sk) Water Req.

Stage 4:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
		Density (ppg):		Yield (ft³/sk) Water Req.

SUMMARY

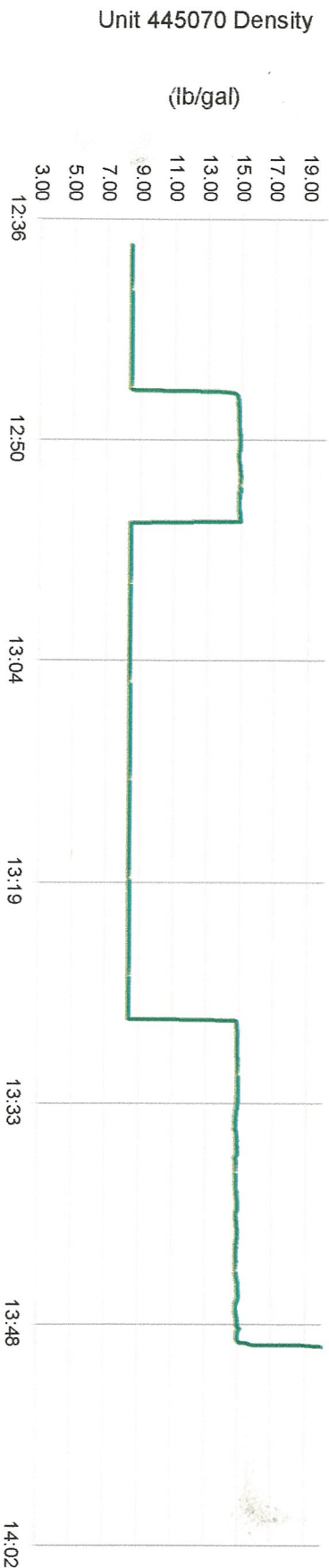
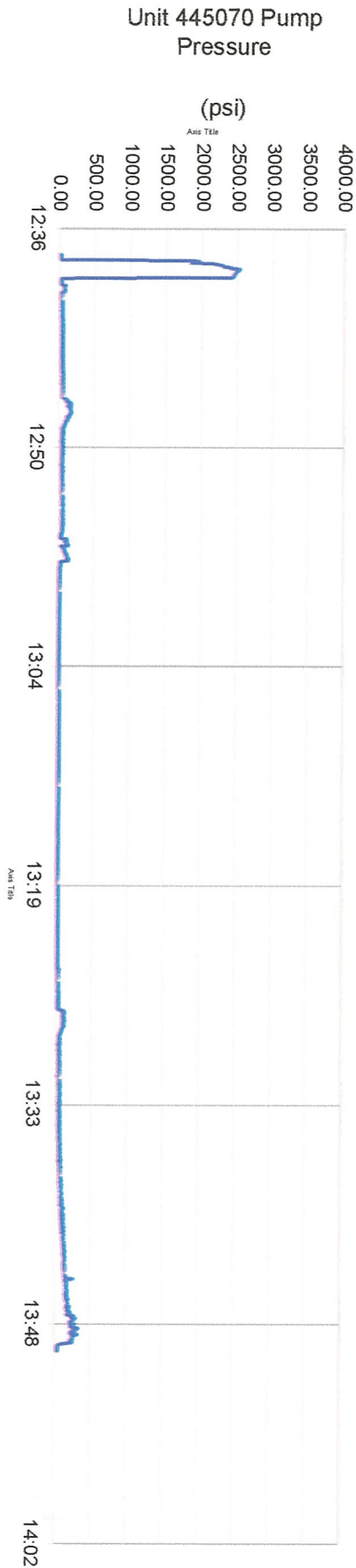
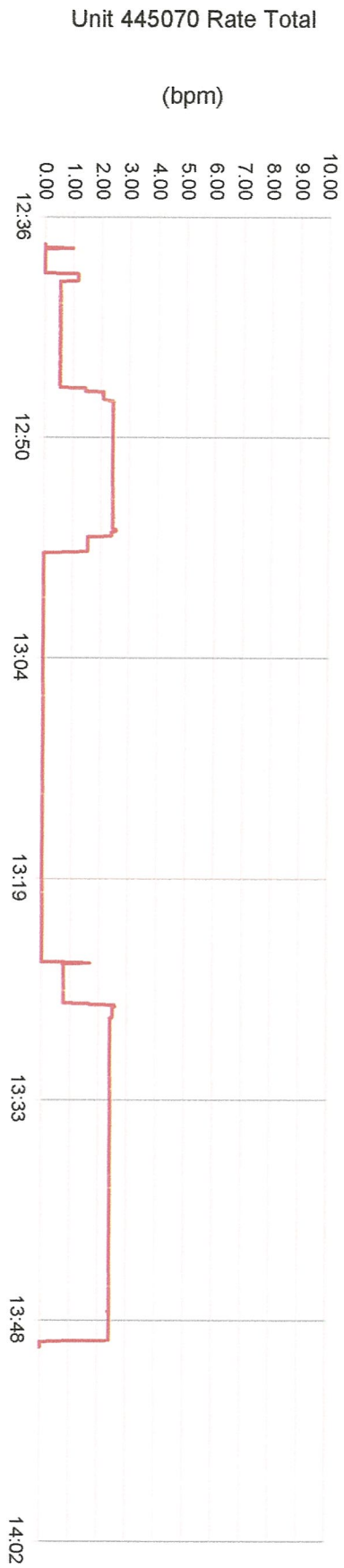
Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	5	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	5		
	bbls of	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Preflush/Spacer Volume (bbl):	10	Lost Returns (Y/N):	N	(if Y, when)	
Total Slurry Volume (bbl):	75				
Total Fluid Pumped	90				
Returns to Surface:	Cement	2	bbls		

Job Notes (fluids pumped / procedures / tools / etc.): Pump 90 sx @ 14.8, 1.33 yield from 1354' to 1621'. Displace to balance. Rig pulls tubing to 623' Pump 230 sx @ 14.8, 1.33 yield from 623' to surface. Rig removes tubing. Cement still at surface, no top off needed. 20 sx left mixed up on pump.

Customer Representative Signature: Thank You For Using NexTier Completion Solutions



Client	PDC	Client Rep	Ryan Beam	Supervisor	Israel Davila
Ticket No.	20010062	Well Name	Carlson 42-18	Unit No.	445070
		Job Type	Abandonment	Service District	Brighton, CO
Comments	plugs			Job Date	1/15/2020



RANGER ENERGY SERVICES, LLC

WIRELINE DIVISION

3333 Center Dr.
Milliken, CO.
80543



Company Name: PDC ENERGY, INC.		Company Address: 1775 SHERMAN STREET SUITE 3000 DENVER, CO 80203			Field Ticket Number: 10001335	
Well Name: CARLSON 42-18		Field: WATTENBERG - 90750	County: WELD	State: COLORADO	Rig Name & Number: RANGER ENERGY SERVICES RIG# 5003	
API #: 05-123-21671		AFE #:		Date: 1/14/2020	Wireline Unit # 222	
SERVICE NOTES: (1) 3.625" Gauge Ring to 6920' (4) Set STS 10K CIBP in 4-1/2" csg @ 6584' (7) 4-1/2" Casing Cut @ 1560' (2) Set STS 10K CIBP in 4-1/2" csg @ 6894' (5) Cement Dump Bail 2sx @ 6584' (3) Cement Dump Bail 2sx @ 6894' (6) Radial Bond Log from 1800' - Surface					Engineer:	A, Reagan
					Operator:	A.KENDALL
					Operator:	T. Van Nest

RUN	CODE	DESCRIPTIONS	QTY	UNIT PRICE	DISCOUNT	AMOUNT
14-Jan	1000-001	Set Up Charge Cased Hole Unit	1			
14-Jan	3000-001	Packoff Operation Charge0#-1000#	1			
1	8000-009	Junk Catcher / Gauge Ring Depth Charge	6920			
14-Jan	8000-010	Junk Catcher / Gauge Ring Operation Charge	1			
2	8000-001	Bridge Plug Depth Charge	6894			
14-Jan	8000-015	Setting Tool Rental, per tool	1			
	8000-002	Bridge Plug Operation Charge	1			
	8000-014	Standard Set Power Charge	1			
3	7000-006	Dump Bailer Depth Charge	6894			
14-Jan	7000-007	Dump Bailer Operation Charge	1			
4	8000-001	Bridge Plug Depth Charge	6584			
14-Jan	8000-015	Setting Tool Rental, per tool	1			
	8000-002	Bridge Plug Operation Charge	1			
	8000-014	Standard Set Power Charge	1			
5	7000-006	Dump Bailer Depth Charge	6584			
14-Jan	7000-007	Dump Bailer Operation Charge	1			
6	4000-019	Radial Cement Bond Log Depth Charge	1800			
14-Jan	4000-020	Radial Cement Bond Log Operation Charge	1800			
	4000-009	Simultaneous Gamma Ray Log Depth Charge	1800			
	4000-010	Simultaneous Gamma Ray Log Operation Charge	1800			
	4000-013	Simultaneous CCL Log Depth Charge	1800			
	4000-014	Simultaneous CCL Log Operation Charge	1800			
7	5000-011	Jet Cutter Depth Charge	1560			
14-Jan	5000-014	Jet Cutter Operation Charge for Casing	1			

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.