



Job Summary

Ticket Number	Ticket Date
TN# BCO-1906-0003	6/3/2019

COUNTY	COMPANY	API Number
Weld	PDC ENERGY	05-123-26313
WELL NAME	RIG	JOB TYPE
Guttersen 22-13	Ensign 354	Squeeze Job
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.22706 -104.50192	Rich Devine	Eduado Chavez

EMPLOYEES		

WELL PROFILE	
Max Treating Pressure (psi):	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	0	1809	0	1809	

Casing/Tubing/Drill Pipe							
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	4 1/2	10.5		0	1809	0	1809
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	8 5/8	24		0	670	0	670
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	1809	0	1809

CEMENT DATA				
Stage 1:	From Depth (ft):	<input type="text" value="0"/>	To Depth (ft):	<input type="text" value="1809"/>
Type: Surface Plug	Volume (sacks):	<input type="text" value="130"/>	Volume (bbls):	<input type="text" value="31"/>
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
Type III		14.8	1.33	6.32

SUMMARY				
Stage 1:	From Depth (ft):	<input type="text" value="0"/>	To Depth (ft):	<input type="text" value="560"/>
Type: Surface Plug	Volume (sacks):	<input type="text" value="143.5"/>	Volume (bbls):	<input type="text" value="34"/>
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
Type III		14.8	1.33	6.32

Preflushes:	<input type="text" value="3"/> bbls of <input type="text" value="Fresh Water"/>	Calculated Displacement (bbl):	<input type="text"/>	Stage 1	Stage 2
	<input type="text"/> bbls of <input type="text"/>	Actual Displacement (bbl):	<input type="text"/>		
	<input type="text"/> bbls of <input type="text"/>	Plug Bump (Y/N):	<input type="text" value="N/A"/>	Bump Pressure (psi):	<input type="text" value="N/A"/>
Total Preflush/Spacer Volume (bbl):	<input type="text" value="3"/>	Lost Returns (Y/N):	<input type="text" value="N/A"/>	(if Y, when)	<input type="text"/>
Total Slurry Volume (bbl):	<input type="text" value="65"/>				
Total Fluid Pumped	<input type="text" value="68"/>				
Returns to Surface:	<input type="text" value="N/A"/>				

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

Surface Plugs: Pumped 2 bbls of fresh water. Mix & Pumped 31 bbls of cement @ 14.8 ppg to surface. Cement Coverage inside 4 1/2" 0' - 1809'. Waited on rig crew to pull up to 560. Mix & Pumped 34 bbls of cement @ 14.8 ppg inside the 8 5/8" to surface. Cement Coverage inside the 8 5/8" from 0' - 560'. Pumped job as per customer request.

Customer Representative Signature: _____

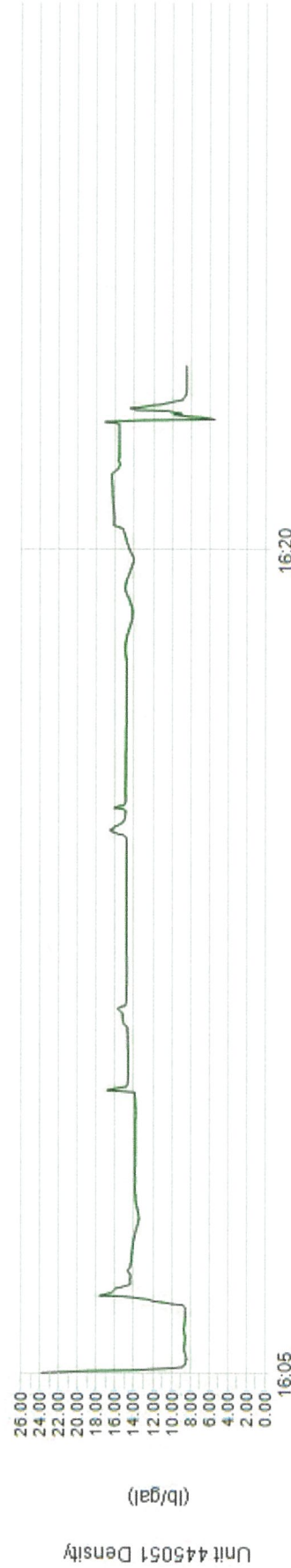
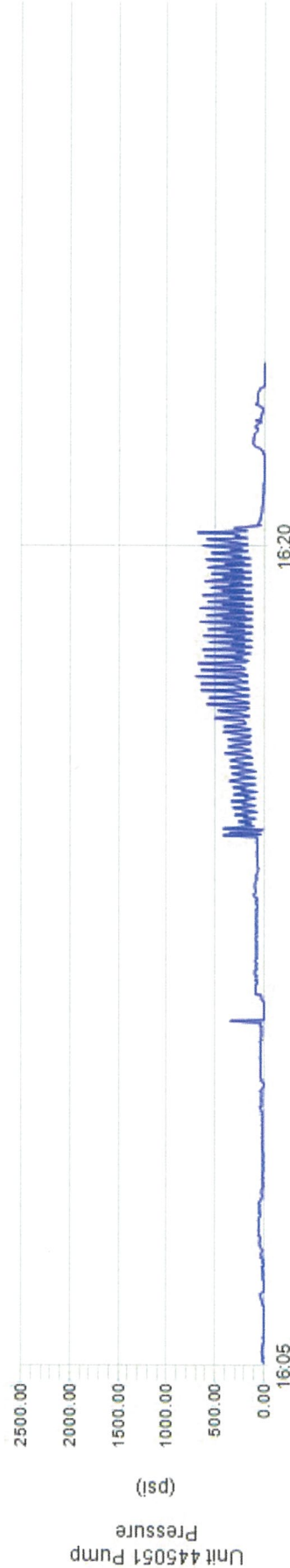
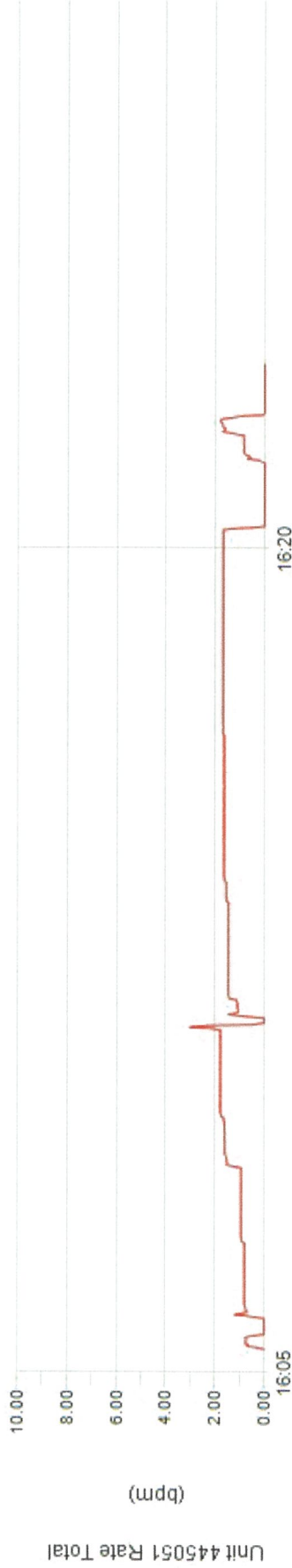
Thank You For Using
CJES O-TEX Cementing



Client PDC ENERGY
 Ticket No. 19060003
 Location SENW 13-3N64W
 Comments SEE JOB LOG

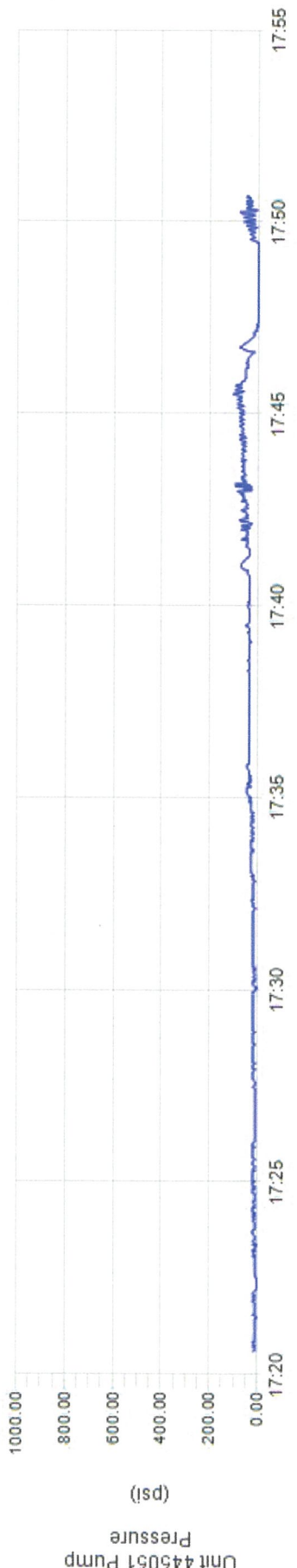
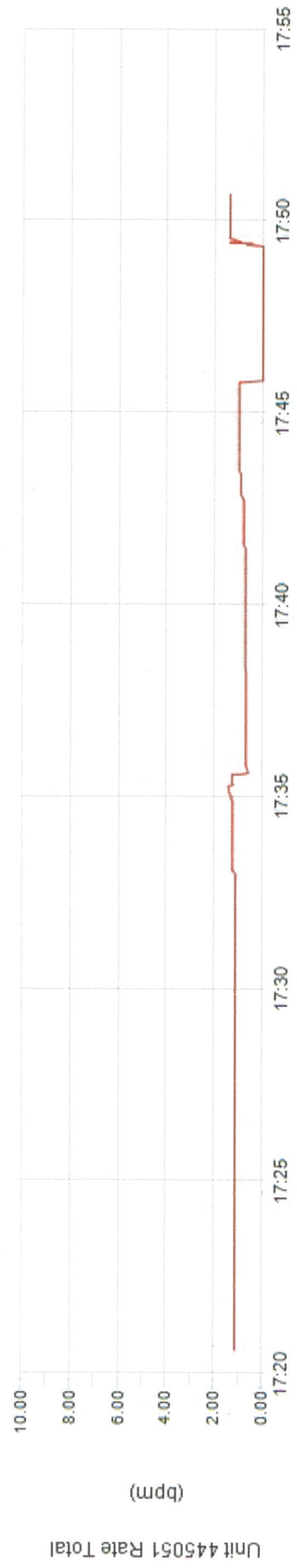
Client Rep EDUARDO CHAVEZ
 Well Name GUTTERSEN 22-13
 Job Type Abandonment Plugs

Supervisor RICH DEVINE
 Unit No. 445051
 Service District BRIGHTON
 Job Date 06/03/2019





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Cement Job Log



Customer: PDC ENERGY	Date: 5/31/2019	Serv. Supervisor: Rich Devine
Cust. Rep.: Eduardo Chavez	Ticket #: BCO-1906-0003	Serv. Center Brighton - 3021
Lease: Guttersen 22-13	API Well #: 05-123-26313	County: Weld State: CO
Well Type: Oil	Rig: Ensign 354	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 (bbbls)	Mix Water (bbbls)
5 bbl Water						5.00		
Squeeze - Holes @1700' &1800' Retained	100 % CJ922	50	14.8		1.33	6.32	11.80	8
0								
0								
Displacement Chemicals:								

