



Job Summary

Ticket Number: **FL2779** Title: _____ Date: **12/13/2017**

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-20485
WELL NAME	RIG	JOB TYPE
Noffsinger Mininger 5C	Ranger #3	Squeeze
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
Sec 5 - 5 N - 64 W	Douglass, Brian	Eduardo Chavez

EMPLOYEES		
<i>McFarland, James</i>		
<i>Abdi, Aden</i>	<i>Roark, Kenneth</i>	

WELL PROFILE			
Max Treating Pressure (psi):		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	3300	3570		
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)
Surface	8.625	24	J-55	0	374		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5	P-110	3570	3674		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		0	3674		

CEMENT DATA

Stage 1: From Depth (ft): **3271** To Depth (ft): **3674**
 Type: **Squeeze**
 Volume (sacks): **160** Volume (bbls): **33**

Cement & Additives:	Density (ppg)	Yield (ft ³ /sk)	Water Req.
100% Class G+0.5% CFL-3+0.2% CFR-2	15.8	1.15	4.96

SUMMARY

Preflushes: _____ 5 bbls of Fresh Water	Calculated Displacement (bbl): 12.6	Stage 1	Stage 2
_____ bbls of _____	Actual Displacement (bbl): 11		
_____ bbls of _____	Bump Plug Y/N: n/a	Bump Pressure (psi): n/a	
Total Preflush/Spacer Volume (bbl): 5	Lost Returns (Y/N): n (if Y, when _____)		
Total Slurry Volume (bbl): 33			
Total Fluid Pumped: 49			
Returns to Surface: Mud 1 bbls			

Job Notes (fluids pumped / procedures / tools / etc.): **fill lines. Pressure test to 2500 psi. 5 bbls of h20. 33 bbls of cement @ 15.8 PPG (160 sx). Displace 11 bbls of h20. pumped job per program and customers request.**

Customer Representative Signature: _____ **Thank You For Using O-TEX Cementing**

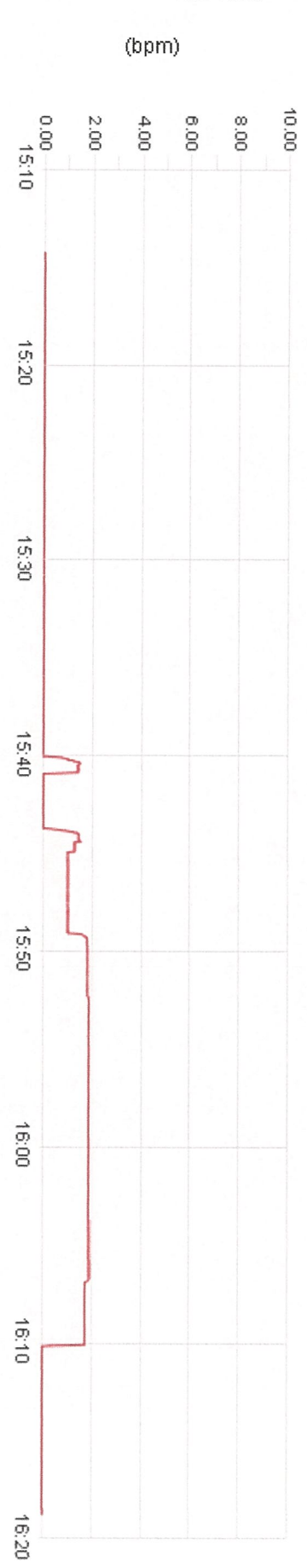


Client: PDC ENERGY INC
Ticket No.: 2779
Location: SEC.5-T5N-R64W
Comments: 1ST PLUG

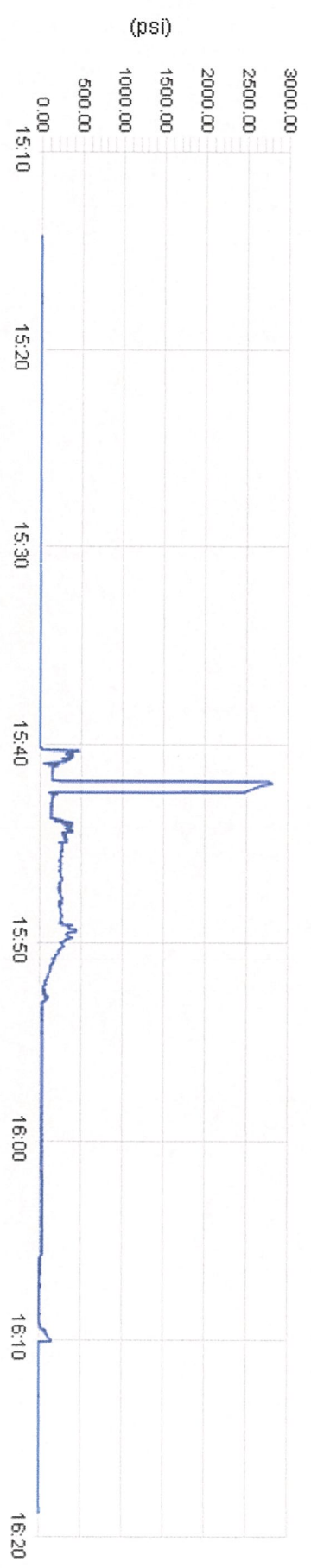
Client Rep: MR. EDUARDO CHAVEZ
Well Name: NOFFSINGER MINNINGER 5C
Job Type: Abandonment Plugs

Supervisor: BRIAN DOUGLASS
Unit No.: 445052
Service District: BRIGHTON CO
Job Date: 12/13/2017

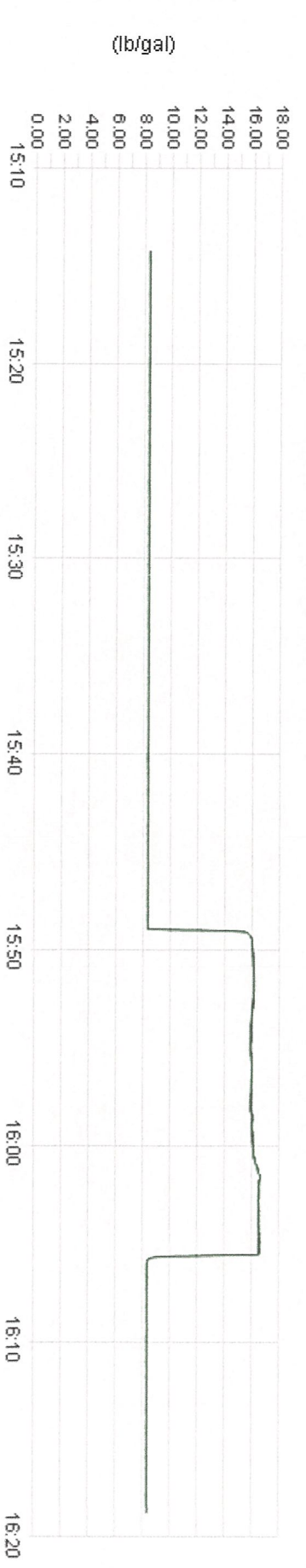
Unit 445052 Rate Total



Unit 445052 Pump Pressure



Unit 445052 Density





Job Summary

Ticket Number	Ticket Date
TN#	FL2794
	12/14/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-20485
WELL NAME	RIG	JOB TYPE
Noffsinger Mininger 5C	Ranger #3	Stub Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
Sec 5 - 5N - 64 W	Laeger, Kacey	Eduardo Chavez

EMPLOYEES		
Payne, James		
Laslie, Larry	Melgarejo, Eduardo	
Peterson, Roger		

WELL PROFILE			
Max Treating Pressure (psi):		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	374	706		
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)
Surface	8.625	24	J-55	0	374		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	2.375	4.7	P-110	0	706		
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):	0	To Depth (ft):	706
Type: Stub Plug	Volume (sacks):	336	Volume (bbls):	69
Cement & Additives:		Density (ppg)	Yield (ft ³ /sk)	Water Req.
100% Class G		15.8	1.15	5.00

SUMMARY			
Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1
		Actual Displacement (bbl):	Stage 2
Total Preflush/Spacer Volume (bbl):	5	Plug Bump (Y/N):	Bump Pressure (psi):
Total Slurry Volume (bbl):	69	Lost Returns (Y/N):	(if Y, when)
Total Fluid Pumped	74		
Returns to Surface:	Cement	1	bbls
Job Notes (fluids pumped / procedures / tools / etc.):	Oh was smaller than 14 inch		

Customer Representative Signature:	Thank You For Using O-TEX Cementing
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Client
 PDC Energy INC
 Ticket No. 2794
 Location Sec 5-5N-64W

Client Rep
 Well Name Eduardo Chavez
 Job Type Noffsinger Minninger 5 C
 Abandonment Plugs

Supervisor
 Unit No. Laeger, Kacey
 Service District 445070
 Brighton
 Job Date 11/14/2017

