



Job Summary

Ticket Number		Ticket Date	
TN#	FL3363	3/22/2018	

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-22774
WELL NAME	RIG	JOB TYPE
Wells Ranch 14-20	Ranger #22	Balanced Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
Sec - 20 - 6 N - 63 W	Klosterman, Austin	Ryan Beam

EMPLOYEES	
Peterson, Roger	
White, Cori	

WELL PROFILE			
Max Treating Pressure (psi):	1500	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	675	455		
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	455	0		
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	2856	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (ft)	TVD to (ft)
Tubing	2.375	4.7		2856	0		

CEMENT DATA

Stage 1:	From Depth (ft):	2856	To Depth (ft):	2565
Type: Plug 1	Volume (sacks):	22	Volume (bbls):	4.6
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G		15.8	1.15	5.00

Stage 2:	From Depth (ft):	670	To Depth (ft):	0
Type: Plug 2	Volume (sacks):	255	Volume (bbls):	52
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G+2% CaCl2		15.8	1.16	5.00

Stage 3:	From Depth (ft):	787	To Depth (ft):	670
Type: Plug 3	Volume (sacks):	15	Volume (bbls):	3
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G		15.8	1.15	5.00

Stage 4:	From Depth (ft):	0	To Depth (ft):	0
Type: Top Off	Volume (sacks):	10	Volume (bbls):	2
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):	Stage 1	Stage 2	
	5 bbls of Fresh Water	Actual Displacement (bbl):	10		
	bbls of		10		
Total Preflush/Spacer Volume (bbl):	15	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	61.6	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	86.6				
Returns to Surface:					

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

Job went according to program and customer's request. Job went well.

Customer Representative Signature:

Thank You For Using
O-TEX Cementing

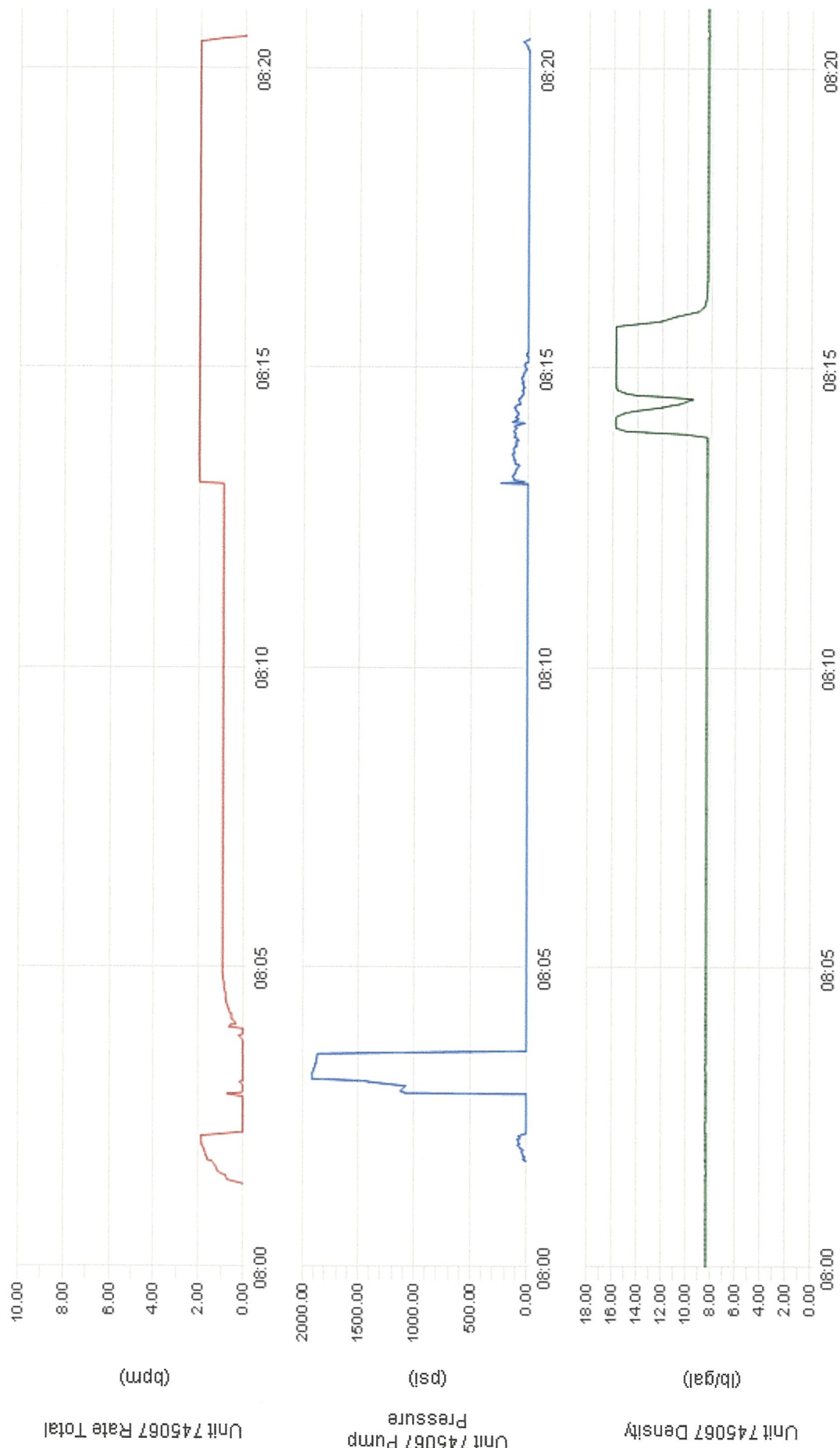
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Client
Ticket No. 3363
Location Sec20:T6N:R63W
Comments See job log. 1st Plug.

Client Rep Ryan Beam
Well Name Wells Ranch 14-20
Job Type Abandonment Plugs

Supervisor A. Klosterman
Unit No. 745067
Service District Brighton, CO
Job Date 03/22/2018





Client
Ticket No. 3363
Location Sec20:T6N:R63W
Comments See job log. 2 Plug.

Client Rep
Well Name Ryan Beam
Job Type Wells Ranch 14-20
Abandonment Plugs

Supervisor
Unit No. A. Klosterman
745067
Service District Brighton, CO
Job Date 03/22/2018

