



# Job Summary

Ticket Number  
TN# FL1982

Ticket Date  
6.30.2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-20166
WELL NAME	RIG	JOB TYPE
Sauer 43-31	Ensign 356	Annular Fill
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NESE 31 5N 67W	Laeger, Kacey	Bud Holman

## EMPLOYEES

	Lasley, Larry	
Payne, James		
	Melgarejo, Eduardo	

## 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	3585	5030		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	0	617		

## 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	3624	J-55	0	393		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	11.6	P-110	0	5030		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	1.66	3.02	J55	0	5030		

## CEMENT DATA

Stage 1:  
Type: Ann Fill

From Depth (ft): 3585 To Depth (ft): 5030

Volume (sacks): 420 Volume (bbls): 112

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% 35:65:0(POZ:G:GEL)+4% Gel+0.2% C-20	13.5	1.50	7.43

Stage 2:  
Type: Top-out

From Depth (ft): 0 To Depth (ft): 617

Volume (sacks): 185 Volume (bbls): 37.8

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G	15.8	1.15	5.00

## SUMMARY

	Stage 1	Stage 2
Preflushes: 10 bbls of Fresh Water	Calculated Displacement (bbl): 5	
bbls of	Actual Displacement (bbl): 5	
bbls of		
Total Preflush/Spacer Volume (bbl): 10	Plug Bump (Y/N):	Bump Pressure (psi):
Total Slurry Volume (bbl): 149.8	Lost Returns (Y/N):	(if Y, when)
Total Fluid Pumped 164.8		
Returns to Surface:	Cement	1 bbls

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

Thank You For Using

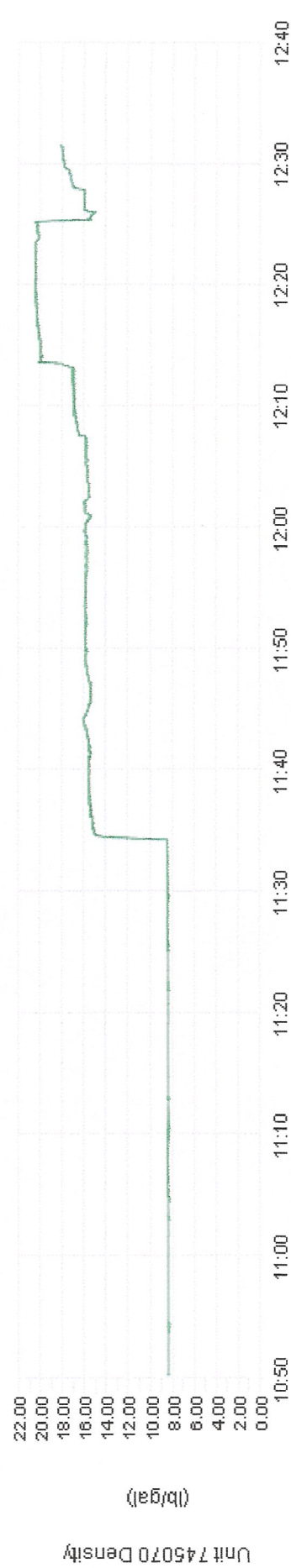
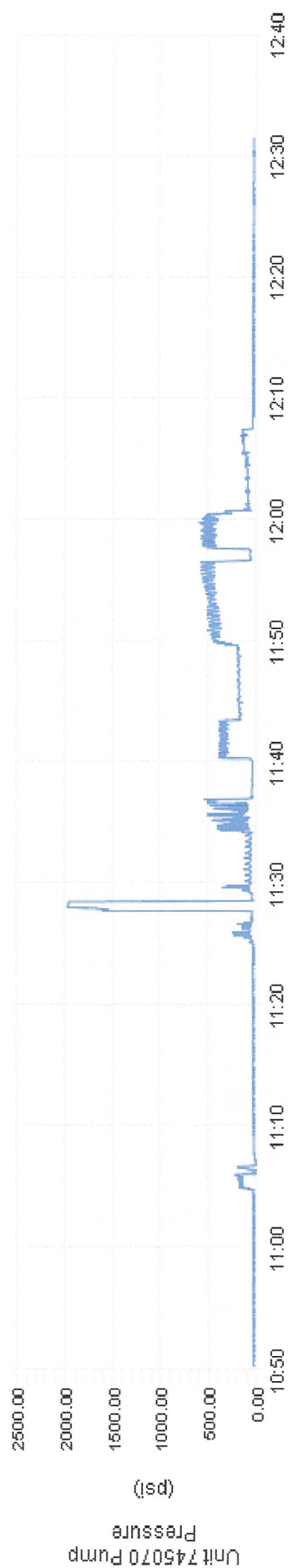
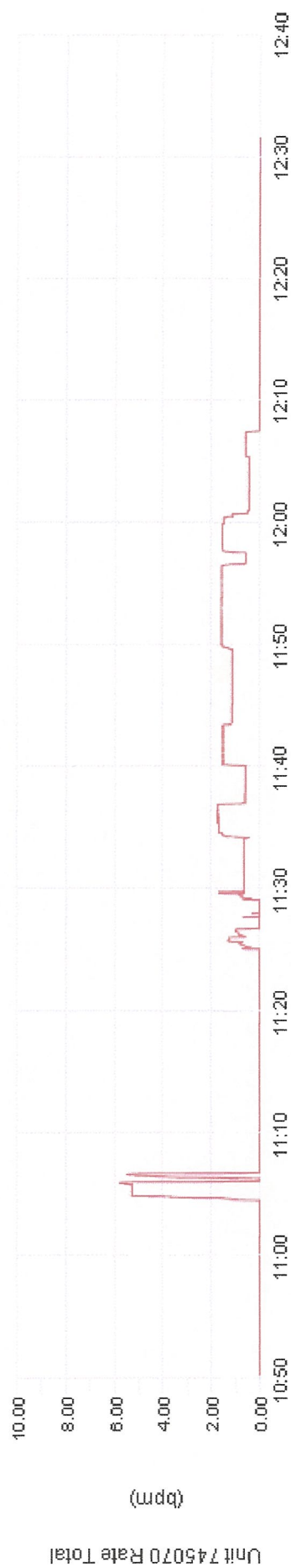
O - TEX Pumping

Customer Representative Signature:

[illegible]



Client	PDC Energy INC	Mr. bud	Supervisor	Laeger, Kacey
Ticket No.	1982	Sauer 43-31	Unit No.	745070
Location	NS SE 31 5N 67W	Ann Fill	Service District	Brighton
Comments		Job Date		06/30/2017



Client	PDC Energy INC	Client Rep	Mr. bud	Supervisor	Laeger, Kacey
Ticket No.	1982	Well Name	Sauer 43-31	Unit No.	745070
Location	NS SE 31 5N 67W	Job Type	Ann Fill	Service District	Brighton
Comments		Job Date	06/30/2017		

