



Job Summary

Ticket Number	Ticket Date
TN# FL1103	9/13/2016

COUNTY	COMPANY	CUSTOMER REP
Weld	PDC Energy, Inc.	Shane Paris
WELL NAME	RIG	JOB TYPE
Jacobucci 320-303	Ensign 121	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	
NW NW Sec18:R5N:T64W	Klosterman, Austin	

EMPLOYEES		
	Kopp, Jeff	
Devine, Richard		
	Melguera, Eddie	

WELL PROFILE

Max Treating Pressure (psi):	3500	Bottom Hole Static Temperature (°F):	
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)
	8.5	0	14,615		
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	9.625	36	J-55	0	2030		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	5.5	20	P-110	0	14,606		
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):	5600.00
Type: Lead	Volume (sacks):	823	Volume (bbls)	253.5
Cement:	1:1:0 'Poz:Type III'	Density (ppg)	Yield (ft³/sk)	Water Req.
Additives:	0.3% ASM-3 + 0.4% FL-17 + 22 FWC-2 + 0.2% C-20 + 0.3% CF-41P	12.5	1.73	9.25

Stage 2:	From Depth (ft):	5600	To Depth (ft):	14601.00
Type: Tail	Volume (sacks):	1330	Volume (bbls)	443
Cement:	2:1:0 'Poz:G'	Density (ppg)	Yield (ft³/sk)	Water Req.
Additives:	25% Silica Flour (325) + 0.3% ASM-3 + 0.2% C-49 + 0.5% FL-17 + 0.5% FL-17 + 0.1% C-20	13.5	1.87	9.21

SUMMARY

Preflushes:	20 bbls of	Mudflush	Calculated Displacement (bbl):	323
	40 bbls of	Weighted Spacer	Actual Displacement (bbl)	323
	10 bbls of	Fresh Water	Plug Bump (Y/N):	Y
Total Preflush/Spacer Volume (bbl):	70		Bump Pressure (psi):	2500
Total Slurry Volume (bbl):	729		Lost Returns (Y/N):	N (if Y, when)
Total Fluid Pumped	1122			
Returns to Surface:	Cement	5 bbls		

Thank You For Using

O - TEX Pumping

Customer Representative Signature:

[illegible]