



Job Summary

Ticket Number	Ticket Date
TN# FL1342	1/7/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-42681
WELL NAME	RIG	JOB TYPE
Brown 23P-321	Ensign 161	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SWSE 23-5N-65W	Scott, Derek	Brady Sharp

EMPLOYEES		
	Forsyth, Scott	
Sandoval, Steven	Payne, James	

WELL PROFILE			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	210
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	1542	15837		
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	1542		
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	1542	15826	0	6874
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):	<div>0</div>	To Depth (ft):	<div>0</div>	
	Type: Weighted Spacer				
	Volume (sacks):	<div>170</div>	Volume (bbls):	<div>41</div>	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
100% POZ F+0.1% WG-4P			12.5	1.35	6.64

Stage 2: Type: Lead	From Depth (ft):	0	To Depth (ft):	2676	
	Volume (sacks):	658	Volume (bbls):	178.1	
Cement & Additives:					
100% 35:65:0(POZ:G:GEL)+4% Gel+0.4% FL-17+0.2% C-20			Density (ppg)	Yield (ft³/sk)	Water Req.
			13.5	1.52	7.62

Stage 3:	From Depth (ft):	2676	To Depth (ft):	15826	
	Type: Tail				
	Volume (sacks):	1672	Volume (bbls):	541.9	
Cement & Additives:			Density (ppg)	Yield (ft^3/sk)	Water Req
100% 35:65:0(POZ:G:GEL)+25% Silica Flour+0.3% ASM-3+0.5% FL-17+0.2% C-49+0.1% C-20			13.5	1.82	8.99

SUMMARY

			Stage 1	Stage 2
Preflushes:	20 bbls of	Mudflush	Calculated Displacement (bbl):	351
	10 bbls of	Fresh Water	Actual Displacement (bbl)	351
	40 bbls of	Weighted Spacer		
Total Preflush/Spacer Volume (bbl):	70		Plug Bump (Y/N):	Y
Total Slurry Volume (bbl):	720		Lost Returns (Y/N):	N (if Y, when)
Total Fluid Pumped	1141		Bump Pressure (psi):	
Returns to Surface:	Cement	55 bbls		

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

Completions hand, tool hand, and myself all agreed on 55bbls of cement back and that we bumped the plug at our calculated displacement of 351bbls

Thank You For Using

O - TEX Pumping

Customer Representative Signature:

[illegible]