



**5.5" Production**  
**Cement Post Job Report**

Prepared For: Mr. Mike Schweizer  
Prepared Date: 12/5/2016  
Job Date: 12/3/2016

**PDC Energy, Inc.**  
**Dunn 7i-321**  
**Weld County, CO**

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# Job Summary

Ticket Number		Ticket Date	
TN#	FL1303	12/3/2016	

COUNTY	COMPANY	CUSTOMER REP
Weld	PDC Energy, Inc.	Mr. David Gray
WELL NAME	RIG	JOB TYPE
Dunn 7i-321	Ensign 152	Production
SURFACE WELL LOCATION		O-TEX Field Supervisor
NWNW Sec 7:T5N:R64W		Maguire, Matthew

EMPLOYEES		
	Melgarejo, Eddie	
	Scott, Derek	
	Payne, James	

<b>WELL PROFILE</b>			
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	0	16853		
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	1780		
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	16810		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

### CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	0	To Depth (ft):	0.00
Type: <b>Stage 1 Lead</b>	Volume (sacks):	170	Volume (bbls):	40
Cement & Additives:		Density (ppg)		Yield (ft <sup>3</sup> /sk)
100% Poz F+0.1% WG-4P		12.5	1.35	Water Req. 6.64

<b>Stage 2:</b>	From Depth (ft):	0	To Depth (ft):	5600.00
Type: <b>Stage 1 Tail</b>	Volume (sacks):	1010	Volume (bbls):	273.4
Cement & Additives:		Density (ppg)		Yield (ft <sup>3</sup> /sk)
100% 35:65:0(POZ:G:GEL)+4% Gel+0.2% C-20+0.4% FL-17		13.5	1.52	Water Req. 7.62

<b>Stage 3:</b>	From Depth (ft):	5600	To Depth (ft):	16810.00
Type: <b>Stage 2</b>	Volume (sacks):	1725	Volume (bbls):	574.5
Cement & Additives:		Density (ppg)		Yield (ft <sup>3</sup> /sk)
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	1.87	Water Req. 8.97

### SUMMARY

Preflushes:	40 bbls of	Visweep	Calculated Displacement (bbl):	373	Stage 1	Stage 2
	20 bbls of	Mudflush	Actual Displacement (bbl)	373		
	40 bbls of	Weighted Spacer				
Total Preflush/Spacer Volume (bbl):	100	Plug Bump (Y/N):	Y	Bump Pressure (psi):	2800	
Total Slurry Volume (bbl):	887.9	Lost Returns (Y/N):		(if Y, when)		
Total Fluid Pumped	1360.9					
Returns to Surface:	Cement	50 bbls				

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

**Thank You For Using**  
**O - TEX Pumping**

Customer Representative Signature: \_\_\_\_\_

