



5.5" Production

Cement Post Job Report

Prepared For: Mr. Mike Schweizer
Prepared Date: 7/7/2017
Job Date: 7/6/2017

PDC Energy, Inc.

Elbert 8N

Weld County, CO

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Job Summary

Ticket Number	Ticket Date
TN# FL1988	7/6/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-44323
WELL NAME	RIG	JOB TYPE
Elbert 8N	Ensign 160	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NWSW 21 5N 65W	Svoboda, Milo	Red Benge

EMPLOYEES		
	Kopp, Jeff	
Vieaux, Jon		
	Peterson, Ryan	

WELL PROFILE			
Max Treating Pressure (psi):	4500	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	1634	16618		6802
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	1634		
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	16606		
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):	16606
Type: SingleSlurry	Volume (sacks):	2540	Volume (bbls):	814

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% 35:65:0(POZ:G:GEL)+0.4% ASM-3+0.3% CFR+0.6% C-17+25% Silica Flour	13.5	1.80	8.77

SUMMARY

Preflushes:	50 bbls of Weighted Spacer	Calculated Displacement (bbl):	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	368	
	bbls of		368	
Total Preflush/Spacer Volume (bbl):	50	Plug Bump (Y/N):	Y	Bump Pressure (psi):
Total Slurry Volume (bbl):	814	Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	1232			
Returns to Surface:	Cement	150 bbls		

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

Pumped as per program. Wet shoe sub set @ 16574'.

Thank You For Using

O - TEX Pumping

Customer Representative Signature: _____

[illegible]