



5.5" Production
Cement Post Job Report

Prepared For: Mr. Mike Schweizer
Prepared Date: 9/11/2017
Job Date: 9/7/2017

PDC Energy, Inc.

Snowmass 6N

Weld County, CO

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Job Summary

Ticket Number	Ticket Date
TN#	9/7/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05 - 123 - 44885
WELL NAME	RIG	JOB TYPE
Snowmass 6N	Ensign 152	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
Sec 5 - 5 N - 64 W	Cheal, Sam	Vaughn Staples

EMPLOYEES		
Brannon, Jeff	Chapman Goodman, Donald	
Collins, Justin		
Roark, Kenneth		

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 1/2	1664	15131	1664	6719
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 5/8	36	J-55	0	1664	0	1664
Production	5 1/2	20	P-110	0	15125	0	6719

CEMENT DATA

Stage 1:	From Depth (ft):	0	To Depth (ft):	15125
Type: SingleSlurry	Volume (sacks):	2240	Volume (bbls):	718

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:	30 bbls of SAPP	Calculated Displacement (bbl):	335
	10 bbls of Dye	Actual Displacement (bbl):	335
	50 bbls of Weighted Spacer		
Total Preflush/Spacer Volume (bbl):	90	Plug Bump (Y/N):	Yes
Total Slurry Volume (bbl):	718	Lost Returns (Y/N):	No (if Y, when)
Total Fluid Pumped	1143	Bump Pressure (psi):	2640
Returns to Surface:	Cement 20 bbls		

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

Cement production casing - Mixed 50bbls of Weighted Spacer with batch mixer 45min before pressure test. [Weighted spacer (41.2bbls fresh water, 9,942lbs barite, 421lbs C-65, 50gal plexaid 803)], Mixed / pumped 718bbls Single Slurry Cement @13.5ppg, Displaced with treated fresh water to bump, Pressured up well to open WSS, Displaced another 5bbls. Job pumped through O-Tex 5 1/2" cement head. Returns pumped through rig choke line to minimize cement channeling. TVD @ **6,719ft** / WSS @ **15,093ft** / Shoe @ **15,125ft** / TD @ **15,131ft**. Job performed as per promgam / customer request.

Customer Representative Signature: _____

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