



5.5" Production

Cement Post Job Report

Prepared For: Mr. Mike Schweizer
Prepared Date: 8/17/2017
Job Date: 8/17/2017

PDC Energy, Inc.

Snowmass 9N

Weld County, CO

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Job Summary

Ticket Number		Ticket Date	
TN#	FL2180	8/17/2017	
COUNTY	COMPANY	API Number	
Weld	PDC Energy, Inc.	05-123-44891	
WELL NAME	RIG	JOB TYPE	
Snowmass 9N	Ensign 152	Production	
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP	
5 5N 64W	Kopp, Jeff	Dave Freeburg	
EMPLOYEES			
Brannon, Jeffrey		Melgarejo, Eduardo	
Svoboda, Milo			
Omar H			
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	0	15322	0	6655
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	1700		
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	15323		
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):	15317	To Depth (ft):	0		
Type: SingleSlurry	Volume (sacks):	2270	Volume (bbls):	727		
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
	5 bbls of	Fresh Water	Actual Displacement (bbl):	342	
	bbls of			342	
Total Preflush/Spacer Volume (bbl):	55	Plug Bump (Y/N):	Y	Bump Pressure (psi):	2600
Total Slurry Volume (bbl):	727	Lost Returns (Y/N):	N (if Y, when)		
Total Fluid Pumped	1124				
Returns to Surface:	Cement	140	bbls		

Job Notes (fluids pumped / procedures / tools / etc.): MD @ 15323ft. TVD @ 6655ft. Surface casing set at 1700ft/ 9.625 36#. Total sacks 2270 with 727bbls of cement @ 13.5ppg. Displaced 342bbls of fresh water. Burst disk @ 4100psi. Floats held. Pumped job per customers request.

Thank You For Using

O - TEX Pumping

Customer Representative Signature:

[illegible]