



5.5" Production

Cement Post Job Report

Prepared For: Mr. Mike Schweizer
Prepared Date: 5/30/2017
Job Date: 5/26/2017

PDC Energy, Inc.

Wacker 10F-304

Weld County, CO

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Job Summary

Ticket Number	Ticket Date
TN# FL1784	5/26/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-43563
WELL NAME	RIG	JOB TYPE
Wacker 10F-304	Ensign 152	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SWNW 10 5N 64W	Svoboda, Milo	Vaughn Staples

EMPLOYEES		
	Heller, Brian	
Davila, Isreal	Fields, Anthony	

WELL PROFILE			
Max Treating Pressure (psi):	4500	Bottom Hole Static Temperature (°F):	220
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	1665	14991		6742
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	1665		
Production	5.5	20	P-110	0	14983		

CEMENT DATA

Stage 1:	From Depth (ft):	0	To Depth (ft):	0
Type: Weighted Spacer	Volume (sacks):	170	Volume (bbls):	40
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Poz F+0.1% WG-4P		12.5	1.29	5.95

Stage 2:	From Depth (ft):	0	To Depth (ft):	1633
Type: Lead	Volume (sacks):	790	Volume (bbls):	194
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% 50:50:0(POZ:Type III:GEL)+0.3% ASM-3+2% FWC-2+0.5% FL-17+0.4% C-20		13.5	1.38	6.54

Stage 3:	From Depth (ft):	1633	To Depth (ft):	14983
Type: Tail	Volume (sacks):	1700	Volume (bbls):	545
Cement & Additives:		Density (ppg)	Yield (ft³/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		13.5	1.80	8.79

SUMMARY

Preflushes:	40 bbls of Mudflush	Calculated Displacement (bbl):	Stage 1	332	Stage 2	
	40 bbls of Weighted Spacer	Actual Displacement (bbl):		332		
	10 bbls of Fresh Water	Plug Bump (Y/N):	Y	Bump Pressure (psi):	2600	
Total Preflush/Spacer Volume (bbl):	90	Lost Returns (Y/N):	N	(if Y, when)		
Total Slurry Volume (bbl):	739					
Total Fluid Pumped	1161					
Returns to Surface:	Cement	40	bbls			

Job Notes (fluids pumped / procedures / tools / etc.): wet shoe sub; pumped as per customer request

Thank You For Using
O - TEX Pumping

Customer Representative Signature: _____

