



**5.5" Production**

**Cement Post Job Report**

Prepared For: Mr. Mike Schweizer  
Prepared Date: 9/11/2017  
Job Date: 9/6/2017

**PDC Energy, Inc.**

**McGlothlin Farms 4X-234**

**Weld County, CO**

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# Job Summary

Ticket Number	Ticket Date
TN# FL2276	9/6/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-44011
WELL NAME	RIG	JOB TYPE
McGlothlin Farms 4X-234	Ensign 161	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SESE 4 - 5N - 64W	Cheal, Sam	Brady Sharp

EMPLOYEES		
Devine, Rich	Chapman, 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	1658	14315	1658	668
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	1658	0	1658
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	5 1/2	20	P-110	0	14310	0	14310
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):	14312
Type: SingleSlurry	Volume (sacks):	2125	Volume (bbls):	681.2

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):	317
	10 bbls of Dye	Actual Displacement (bbl):	317
	50 bbls of Weighted Spacer		
Total Preflush/Spacer Volume (bbl):	90	Plug Bump (Y/N):	Yes Bump Pressure (psi): 2690
Total Slurry Volume (bbl):	681.2	Lost Returns (Y/N):	No (if Y, when)
Total Fluid Pumped	1088.2		
Returns to Surface:	Cement 25 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 815.8bbls 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 @ 6,680ft / WSS @ 14,279ft / Shoe @ 14,310ft / TD @ 14,315ft. Job performed as per promgam / customer request.

Thank You For Using

O - TEX Pumping

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

[illegible]