



5.5" Production

Cement Post Job Report

Prepared For: Mr. Mike Schweizer

Prepared Date: 12/22/2017

Job Date: 12/21/2017

PDC Energy, Inc.

Boulter Farms 27G-332

Weld County, CO

Prepared By: Adam DeSaules

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Job Summary

Ticket Number	Ticket Date
TN# FL2804	12/21/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-43528
WELL NAME	RIG	JOB TYPE
Boulter Farms 27G-332	Ensign 152	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NWSW 27-5N-65W	Davila, Isreal	Dave Freeburg

EMPLOYEES		
Watkins, Robert	Brophy, Michael	
Roark, Kenneth		
Kevin Lindsay		

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	1650	14333	1650	7000
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	1650	0	1650
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	14328	0	7000
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):	2500	To Depth (ft):	14333
Type: SingleSlurry	Volume (sacks):	1580	Volume (bbls):	507

Cement & Additives:	Density (ppg)	Yield (ft ³ /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:	20 bbls of	Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2
	40 bbls of	Mudflush	Actual Displacement (bbl):	317.5	
	50 bbls of	Weighted Spacer		317	
Total Preflush/Spacer Volume (bbl):	110		Plug Bump (Y/N):	Y	Bump Pressure (psi):
Total Slurry Volume (bbl):	492		Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	919				
Returns to Surface:					

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

Job performed according to customers request, Had issues with batch mixer, job was delayed due to valves being frozen. Cement and displacement went well.

Thank You For Using
O-TEX Cementing

Customer Representative Signature: _____

				CEMENTING JOB LOG				Project Number FL2804		Job Date 12/21/2017	
O-Tex Location Brighton, Colorado 303-857-7948				Customer PDC Energy, Inc.				State CO		County Weld	
Lease Name Boulter Farms 27G-332		Well No.		O-Tex Field Supervisor Davila, Isreal				Customer Representative Dave Freeburg		Phone 435-901-9247	
Job Type Production				Man Hours 125				API Number 05-123-43528			
USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.											
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.											
DATE	TIME	VOLUME	RATE	PRESS		JOB PROCEDURES					
				CSG	Tbg.						
12/20/2017	18:00					Arrive on location					
	18:05					Tailgate meeting					
	18:15					Spot Equipment					
	18:30					Rig in					
12/21/2017	11:15					JSA/ Safety meeting with rig crew/ consultants					
	13:47	2 bbl	2.00	5200		Fill lines/Pressure test					
	13:52	10 bbl	4.00	900		Fresh water					
	13:56	40 bbl	4.00	1000		Pump mudflush					
	14:06	60 bbl	2.00	1000		pump weighted spacer/ followed by 10bbbls fresh					
	14:33	507 bbl	6.50	600		Pump cement @ 13.5, 1.8 yield					
	16:10					Shut down/ wash lines/ load plug					
	16:35	317 bbl	7.00	2200		Displace plug, caught pressure at 70 bbls away					
	17:32			2900		Bump plug					
	17:38	2 bbl	2.00	4100		Pressure up to burst wet shoe					
	17:39	5 bbl	4.00	1800		Pump 5 bbls fresh @ 4 bbls/minute					
	17:41					Shut down/ check floats, floats held, 1.5 bbls back					
	17:50					Rig out					
	19:00					Depart location					
JOB CALCULATIONS											
Mix and pump 1580 sks cement @ 13.5 for 12113 ft coverage in 8.5" open hole											
Displace 317.5 bbls to displace plug											
CASING DATA											
9.625" 36# Surface Casing to 1650 ft											
5.5" 20# Production casing to 14328 ft											
ANNULAR DATA											
PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW											
Had issues with batch mixer, rig ran steam lines to thaw valves, and pump, were delayed an hour											