



5.5" Production

Cement Post Job Report

Prepared For: Mr. Mike Schweizer
Prepared Date: 11/3/2017
Job Date: 11/2/2017

PDC Energy, Inc.

McGlothlin Farms 4X-204

Weld County, CO

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Job Summary

Ticket Number	Ticket Date
TN# FL2523	11/2/2017

COUNTY	COMPANY	API Number
Weld	PDC Energy, Inc.	05-123-44010
WELL NAME	RIG	JOB TYPE
McGlothlin Farms 4X-204	Ensign 161	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SESE 4 - 5N - 64W	Joyner, Barlen	Brady Sharp

EMPLOYEES		
McFarland, James		
Roark, Kenneth		
Lindsay, Kevin		

WELL PROFILE			
Max Treating Pressure (psi):	3500	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	1685	14259			
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	1647		
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	14256		
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):	14256			
Type: SingleSlurry	Volume (sacks):	1721	Volume (bbls):	551.6			
Cement & Additives:							
100% 35:65:0(POZ:G:GEL)+0.4% ASM-3+0.3% CFR+0.6% C-17+25% Silica Flour				Density (ppg):	13.5	Yield (ft ³ /sk):	1.80
				Water Req.	8.77		

SUMMARY							
Preflushes:	10 bbls of	Fresh Water	Calculated Displacement (bbl):	Stage 1	315.2	Stage 2	
	80 bbls of	Mudflush	Actual Displacement (bbl):		319		
	10 bbls of	Fresh Water	Plug Bump (Y/N):	Y	Bump Pressure (psi):	1767	
Total Preflush/Spacer Volume (bbl):	100		Lost Returns (Y/N):	N	(if Y, when)	N/A	
Total Slurry Volume (bbl):	561						
Total Fluid Pumped	980						
Returns to Surface:	Mud	645 bbls					
Job Notes (fluids pumped / procedures / tools / etc.):	Fresh water spacer, mudflush spacer (SAPP + Surfactant), Fresh water spacer, 1,750sx 1:2:0 G @ 13.5ppg, displace to calculated volume, pump 5bbls past plug bump to create a wet shoe.						

Customer Representative Signature: _____

Thank You For Using
O - TEX Pumping



CEMENTING JOB LOG

Project Number	Job Date
FL2523	11/2/2017
State	County
CO	Weld
Customer Representative	Phone
Brady Sharp	970-396-9376
API Number	
05-123-44010	

O-Tex Location	Customer
Brighton, Colorado 303-857-7948	PDC Energy, Inc.
Lease Name	O-Tex Field Supervisor
Well No.	Joyner, Barlen
McGlothlin Farms 4X-204	
Job Type	Man Hours
Production	36

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.	
11/2/2017	8:10					Arrive on location
	8:10					Sign in
	8:20					Rig in containment / spot trucks
	8:30					Rig in / wait for rig to run casing & circulate
	12:45					Safety meeting
	13:12				5280	Pressure test
	13:15	10 bbl	7.50		800	Fresh water spacer
	13:18	80 bbl	7.50		820	Mudflush spacer
	13:33	10 bbl	7.60		1198	Fresh water spacer
	13:37					Powered off the mix tub when batching up
	14:00	561 bbl	7.40		491	Mix, weigh and pump 1,721sx G + ads @ 13.5ppg
	15:27					Wash up pumps & lines
	15:42	100 bbl	7.00		750	Displacement (caught pressure @ 80bbbls away)
	16:00					Shut down to switch over from their choke
	16:02	170 bbl	7.00		1100	Resume displacement
	16:27	49 bbl	5.50		1474	Dropped rate
	16:35	319 bbl	5.40		1767	Bumped plug (319 bbbls)
	16:35				2336	Hold pressure on casing
	16:38	1.5 bbl	2.40		3664	Burst disc to create a wet shoe
	16:39	5 bbl	2.00		1328	Pump down
	16:41					Shut down & check floats (1.5bbbls back)
	16:45					Rig out
	17:30					Leave location

JOB CALCULATIONS

ETOC - 2,500'

CASING DATA

ANNULAR DATA

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

Mix tub was powdered off when cement was originally batched up. Pump was down for 23 minutes, but we were able to save the primary pump. We did not have to switch to our reserve pump.