

	PDC ENERGY	YARD CALL	4/10/2019	20:00	DISTRICT
	Jagged 3N	RTS DATE	4/10/2019	11:00 PM	Brighton
		YARD RTN	4/11/2019	12:50 PM	

Personnel/Equipment					
Driver	Assignment	Tractor	Trailer	Comments	
Derek Scott	Supervisor	131151	449087		
Ryan Peterson	Pumper	745051	445051		
Nick Marcos	Bulker	745070	445070		
Luis Balbuena	Bulker	201400	444002		
Austin Bennett	Bulker	201400	444002		

BLEND INFO					
Amount	Units	System/Additives	Density (ppg)	Yield (cuft/sk)	Water Req. (gal/sk)
0	sk	0			
80.00	bbl	80 bbls water + 1600 lbs SAPP			
80.00	bbl	+20.0 PPB CJ890			
80.00	bbl	80 bbls ppg Weighted Spacer - 80 bbls of 12.5 ppg Weighted Spacer: 66.3 bbl Fresh Water + 17570 lbs Barite + 80 lbs Citric Acid + 997 lbs MS Spacer + 40 lbs X-Air			
80.00	bbl	+219.63 PPB CJ300+1.0 PPB CJ209+0.5 PPB CJX157011+12.46 PPB CJ801	12.5		
25	sk	C&J Non Latex Lead 1-1			
		50 % CJ914+50 % CJ010-74 +2.0 % CJ020+0.4 % CJ548+0.3 % CJ240+10.0 % CJ041+0.3 % CJX157011	14	1.37	5.98
755	sk	C&J Latex Lead 1-1			
183.60	bbl	50 % CJ914+50 % CJ010-74 +2.0 % CJ020+0.4 % CJ548+0.3 % CJ240+10.0 % CJ041+0.3 % CJX157011+1.0 GPS CJ550L+0.2 GPS CJ891	14	1.37	4.71
1350	sk	C&J Tail 1-1			
291.26	bbl	65 % CJ914+35 % CJ010-74 +0.3 % CJ704+0.15 % CJ210K+0.5 % CJ511	14.5	1.22	5.41
		Displacement			
312.12	bbl				

Cement Job Log

C&J ENERGY SERVICES									
Customer:	PDC ENERGY		Date:	4/11/2019		Serv. Supervisor:	Derek Scott		
Cust. Rep.:	Chris McMullen		Ticket #:	BCO-1904-0057		Serv. Center	Brighton - 3021		
Lease:	Jagged 3N		API Well #:	05-123-45880		County:	Weld	State:	CO
Well Type:	Oil		Rig:	Ensign 152		Type of Job:	Production Casing		
Materials Furnished by C&J ENERGY SERVICES									
Plugs	Casing Hardware		Physical Slurry Properties						
			Sacks of Cement	Fluid Dens (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)
0									
80 bbls water + 1600 lbs SAPP		+20.0 PPB CJ890						80.00	
80 bbls ppg Weighted Spacer - 80 bbls of		+219.63 PPB CJ300+1.0 PPB CJ209+0.5 PPB CJX157011+12.46 PPB CJ801		12.5				80.00	
C&J Non Latex Lead 1-1		50 % CJ914+50 % CJ010-74 +2.0 % CJ020+0.4 % CJ548+0.3 % CJ240+10.0 % CJ041+0.3 % CJX157011	25	14		1.37	5.98	6.08	4
C&J Latex Lead 1-1		50 % CJ914+50 % CJ010-74 +2.0 % CJ020+0.4 % CJ548+0.3 % CJ240+10.0 % CJ041+0.3 % CJX157011+1.0 GPS CJ550L+0.2 GPS CJ891	755	14		1.37	4.71	183.66	85
C&J Tail 1-1		65 % CJ914+35 % CJ010-74 +0.3 % CJ704+0.15 % CJ210K+0.5 % CJ511	1350	14.5		1.22	5.41	292.30	174
Displacement								312.12	
50 % CJ914+50 % CJ010-74+2.0 % CJ02									
Displacement Chemicals:									