



CONDUCTOR CEMENTING REPORT

Customer: Crestone Peak Resource

LOCATION: Grande South

Well: Grande 4-65 20-19 3CH

Casing Size: 16" OD/ 15.5" ID

Casing Weight: 42.09# pf

Casing Depth: 80'

Drill Rig #: SR30 #2

Foreman: James Hutton

Cement Pump: No Pump dry Hole

Cement date/ time: 8/19/21 (2:30 PM – 2:40 PM)

Cement Provider: Concrete Mobile Mix.

Flow rate: .55 cubic yards per minute (2.6449 bbl. Per min).

Total Cement: 5.5 yards/ 26.4495 bbl.

Cemented Verified to surface: Visual in cellar floor. Tony Satterfield

Customer:	Concrete Mobile Mix
Description:	6 Sack Grout Mix

Mix Code:	COCMM6SG11321
Date:	1/13/2021

Air Range:	Minimum	6.0%
	Maximum	12.0%
Slump Range:	Minimum	6"
	Maximum	8"
Aggregate Ratio:	Coarse	0%
	Fine	100%

Compressive Strength:	3000 PSI
Mortar Content %:	90.8%
Paste Content %:	36.3%
Mix Suitability Factor:	42.30
Unit Weight:	135.5
Water/Cement ratio:	0.50

Material Description	Specification	Quantity (lbs)	Density	Volume
Cementious				
Cement Lafarge Holcim 1P	ASTM C-150	564	2.900	3.12
Coarse Aggregates				
Fine Aggregates				
Fine Aggregate 1 J-2 Concrete Sand	ASTM C-33	2813	2.620	17.21
	Water: 33.8 gallons	282	1.000	4.52
	Air Content 8.0%			2.16
Total:		3659		27.00

Admixture(s)	Material Description	Specification	OZ/CWT	Density	OZ/YD
DSA 110	DarCole Synthetic Air 110	AASHTO M-154	1	1.000	5.64
DNL 785	DarCole Products DarNlok 785	AASHTO M-194 Type A	10	1.030	56.40

Customer:	Concrete Mobile Mix	Mix Code:	COCMM6SG11321	
Description:	6 Sack Grout Mix	Date:	1/13/2021	
Mix Analysis				
90.8%	% Mortar	Paste & Mortar		
0.0%	% Ag Retained on 3/8 Sieve	Vol	%Total % Agg %Mortar %Paste	
14.5%	% Ag Passing 3/8 but Retained on #8 Sieve	+3/8	0.00 0.0% 0.0%	
0.0%	Coarseness Factor	3/8-#8	2.49 9.2% 14.5%	
85.5%	Workability (Paste + Ag < #8 Sieve)	+#8	2.49 9.2% 14.5%	
85.5%	Cement Factor Adjusted Workability	-#8	14.71 54.5% 85.5% 60.0%	
38.75	Modified Specific Surface	Mortar	24.51 90.8%	
42.30	Mix Suitability Factor	Paste	9.80 36.3% 40.0%	
	Mix Suitability Factor Guidelines	Slump Range	Powder 3.12 11.5% 12.7% 31.8%	
16-20	Unstable, too Harsh	0	Air 2.16 8.0% 8.8% 22.0%	
20-22	Harsh Mixes-Heavy Vibration	0-2	Water 4.52 16.7% 18.4% 46.1%	
22-25	Hard Wearing-Slabs, Precast	2-3.5	TOTAL 27.00 100.0% 100.0% 100.0%	
25-27	Structural Concrete	3-4	Calculated for Total	
26-28	Good Pumpable Concrete=Good Surface	4-5		
27-31	Pumpable, Lightweight, Flowing	>8		

