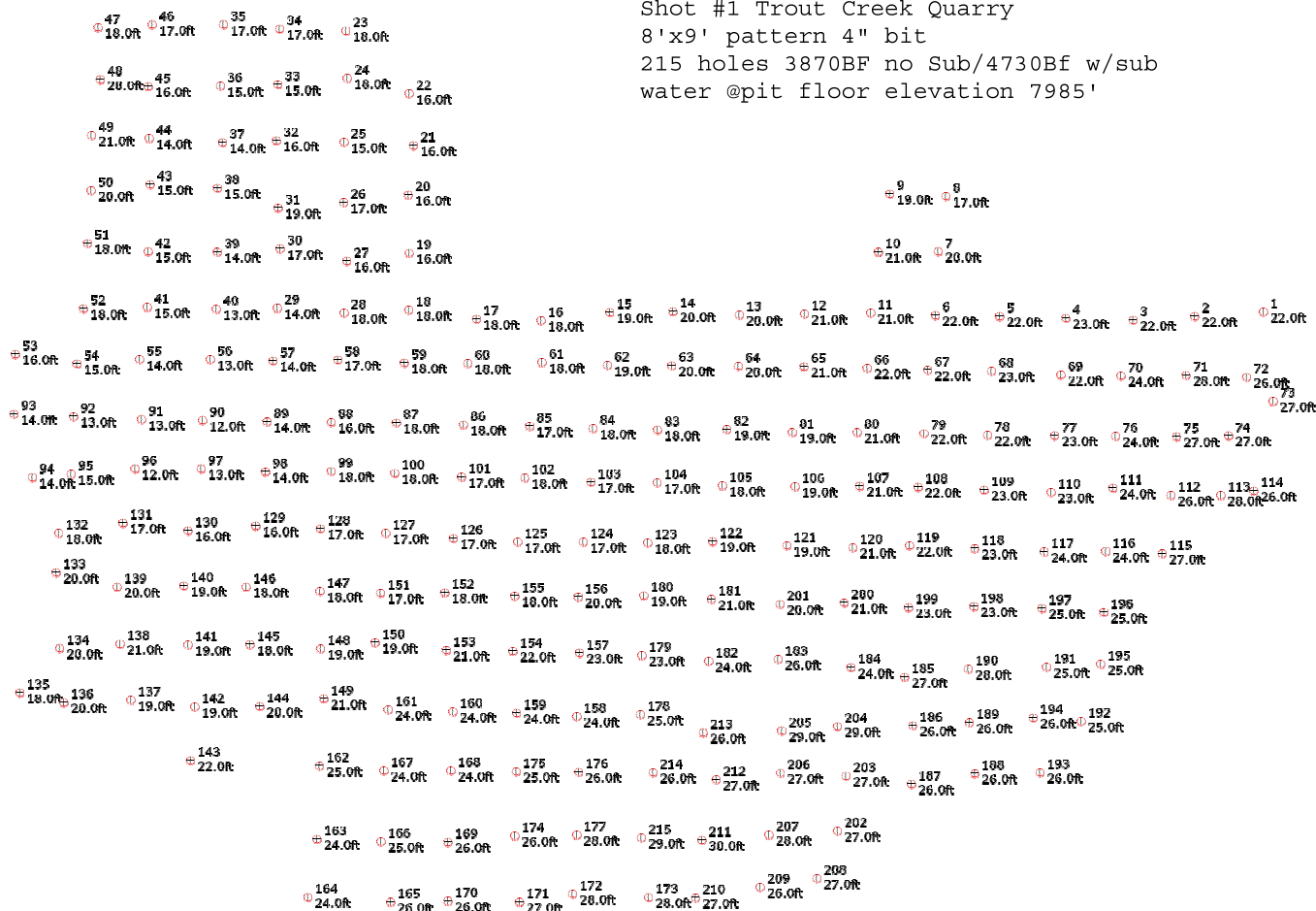




BLAST REPORT

Customer:		ACA Products		Job Name & Number:		21775		DOT		Blaster's Data	
Blasting Permit No.				Blast Date		7/30/2021		ATF PERMIT NUMBER: 9-AZ-013-20-8F-00477		Product Billable QTY.	
City, State		Buena Vista CO		Blast Time		1:32 p.m.		PHMSA Reg. No.		Locked Cells Do Not Change	
Project Name		Trout Creek Pit		Shot Number		#1		HM Ssafety Permit ID:		AZDB Billable QTY.	
Quarry		Trout Creek Pit						BLAST LOCATION			
Hwy		county rd 301						Project Blast Location (Stationing)			
BLAST DESIGN DATA											
Type of Material		Fractured Granite		Stemming Depth (ft.)		9ft		Top of Shot Elevation		8001'	
No. of Holes		215		Type Stem.		crushed rock		Bottom of Shot Elevation		7985'	
Diameter (in.)		3.5		No. of Rows		16		Initiation Point GPS Coordinate		see timing map	
Hole Angle (deg.)		90		Burden (ft.)		8		COMMENTS			
Hole Depths (ft.)		14-26		Spacing (ft.)		9		UPON ARRIVAL JOBSITE WAS INSPECTED FOR HAZARDS -- this was our first shot in the pit goal was to create 24" minus to 36" minus. After shot it appears like good breakage to achieve the material requested 5 holes were double primed due to collar cave in. ALL HOLES WERE LOADED WITH EMULSION PUMP TRUCK.			
Average Depth (ft.)		18.5		Max Lbs. Per Hole		67					
Subdrilling (ft.)		2-3		Max Holes Per 8ms Delay		3					
No. Decks/Holes		0		Max Lbs. Per 8ms. Delay		201					
Deck Separation (ft.)				Total Cubic Yards		11,753					
Wt./Deck (lbs.)				Wet Holes		yes		Billable Cubic Yards		10,607	
Scaled Distance		36.04		Total Borefoot (Pre Split)				QUANTITY CALCULATIONS			
Powder Factor (Lbs./CY)		0.82		Total Borefoot (Production)		3,983					
Total Lbs. of Explosives		16,256		Type of Blast		production		8x9x18.5x215/27=10607 cy no sub 8*9*215*20.5/27=11753 cy sub drill			
BILL OF MATERIALS											
Product		Description		Amount/Qty		Unit		Manufacturer		Code Date	
Bulk emulsion		Powernell 1500		16,256		lbs.					
Dyed Diesel		fuel				gal.					
Bagged ANFO		ANFO				lbs.		Orica			
						lbs.		ORICA			
						lbs.		ORICA			
						lbs.		ORICA			
Handidets		24" Handidet 25/500				ea.		ORICA			
Handidets		40" Handidet 25/500		200		ea.		ORICA		26AP21B4	
Handidets		40" Handidet 25/500		20		ea.		ORICA		29MA21B4	
Boosters		1/2lb pentex Booster		216		ea.		Orica		13MY21J2	
Boosters		1/lb pentex Booster		4		ea.		ORICA		12FE21J1	
						ea.		ORICA			
						lbs.		ORICA			
						ft.		ORICA			
CDT		12"x17ms		25		ea.		ORICA		18JA21B4	
CDT		30"x42ms		25		ea.		ORICA		11Fe19B4	
LEAD LINE		Exel Line		300		ft.		ORICA		17FE20M4	
NOTIFICATIONS										MATERIAL & EQUIPMENT	
				Adequate Stemming		YES, drill cuttings		Pattern inspected and OK		YES	
Sheriff's Dept				Warning Signs		YES, BLAST ZONE		Sufficient Burden		YES, 1/2 DESIGN BURDEN	
Businesses		N/A		Warning Signals		YES, Horn		Measured Dimensions		YES	
Homeowners		N/A		Safe amount of Lead Line		YES		Shot Area Posted & Secure		YES	
Seismograph Firm		N/A		Blasting Machine		Yes		Shot Diagramed		YES	
General Contractor		N/A		Fire Extinguishers (inspected/charged)		YES		Ground Water Identified			
Client		YES		Blast Mats		NO					
DURING LOADING				DETONATION				POST BLAST			
CONSTANT CHECKS				HOOK UP, CLEAR SITE, AND SOUND WARNINGS							
Explosives		YES		Non Essential Personnel Cleared		YES		Wait for dust & fumes		YES	
Delivered Inventory		YES		All Holes Loaded & Stemmed		YES		Walk entire shot		YES	
Running Inventory		YES		Hand Check tubing before each connectio		YES		Check all tails		YES	
Access Row Empty		YES		Radio checks and communication		YES		Sound All Clear Signal		YES	
Site security		YES		Clear Blast site and post guards		YES		Shot Report, diagram		YES	
Emergency shot				Visual Coverage of Site		YES		Seismograph Report		YES	
detonation procedures		YES		Warning Signals		YES		Photos, Video		YES,	
Dewater Holes		NO		Detonation Type		Radio		Final Inventory Recorded		YES	
				Shot Fired Without Incident		YES		Flyrock		NO	
WEATHER				SEISMOGRAPH DATA		Seismograph 1		Seismograph 2		Seismograph 3	
SKY CONDITIONS		overcast		SEISMOGRAPH SETUP		trout creek dam				CLOSEST ADJACENT STRUCTURE	
TEMPERATURE		91		SETUP ADDRESS LOCATION		base of dam				DESCRIPTION	
WIND DIRECTION		east		SETUP GPS LOCATION						DIRECTION	
WIND SPEED											

SHOTPlus Plan



Not to scale

SHOTPlus™ 5.7.9.3

6/9/2021

Mine	trout creek
Location	Buena Vista
Title/author	trout creek Austin Nichols
Filename	

SHOTPlus Plan

