

----- PROJECT
B L A S T P L A N N I N G F O R M

Blast Reference No.

Blaster-in-Charge: _____ Planning Date: _____
License No. _____ Planned Date of Blast: _____ AM PM
 Location: _____ Bench: _____ Stations _____
 Rock Type: _____ Rock Structure: _____
 Type of Blast: _____ Average Bench Height: _____ (ft) Hole Diameter: _____ (in) No. Holes _____

PLANNED DESIGN SUMMARY:

Volume or Lineal Pre-Split Blasted _____ (yd³ or ft) Total Explosives _____ (lb)
 Powder factor _____ (lb/yd³) Elevations: _____ (ft) to _____ (ft)

DESIGN AND INSPECTION CHECKLIST:

Date: Blaster PAYEE Rep

- 1) Pre-work Blast Bench Inspection _____
 Evaluate Walls and Geological Conditions from all View Points * Must be initialed before drilling begins

- 2) Review of Drill Log and _____
 Condition of all Open Faces and Geological Conditions * Must be initialed before drilling begins

- 3) Final Review and Approval of _____
 Fully Completed Blast Plan Form, Including a Detailed Drawing of Blast Layout and Millisecond Timing * Must be initialed before drilling begins

TYPICAL PLANNED CHARGES

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Vibration & Overpressure Monitoring Plans: (Filled out by Blaster-in-Charge)

Closest Structure: _____ Distance _____ ft Max. Charge per 8-MS Delay _____ lb
 Scaled Dist. (D/\sqrt{W}): _____ Distance Method: Measured Grid Map GPS Other: _____
 Planned Monitoring Locations:
 1) _____ 2) _____ 3) _____

----- PROJECT
B L A S T P L A N N I N G F O R M

Blast Reference No.

PLANNED BLASTHOLE LAYOUT AND DELAY TIMING SEQUENCE

A large grid area for drawing the blasthole layout and delay timing sequence. The grid consists of 30 columns and 30 rows of small squares, providing a space for technical drawing and data entry.

Show blast holes, hole numbers, burden, spacing, surface delay hook-up, millisecond timing, north arrow and free faces.

Approvals: Blaster-in-Charge _____ Payee Rep. _____

----- PROJECT
DRILLING & VOLUMES LOG Page 1

Blast Reference No.

Driller: _____ Date _____ Start Time _____ End Time _____
(MO-DAY-YEAR) (HR:MIN) (HR:MIN)

Location: _____ Bench: _____ Stations: _____

Rock Type: _____ Rock Structure: _____ Bit Size: _____ (in)

- * Attach Sketch Showing Drilled Holes, Hole Numbers, North Arrow, Stations, and Free Faces
- * Separate logs shall be kept for each day of drilling

ROW	HOLE	ELEVATION (ft)	DEPTH (ft)	HOLE LENGTH (ft)	HOLE DIAMETER (in)	TOY LP EE	SPACING (ft)	BURDEN (ft)	HOLE VOLUME (yd ³)	Describe Conditions Encountered While Drilling. Note Depth Ranges From Hole Collar. i.e. Mud Seam: 12 to 17 ft. or Crack: 19 ft.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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29										
30										
31										
32										
33										
34										
35										
36										
Totals:		<input style="width: 50px;" type="text"/>	ft	<input style="width: 50px;" type="text"/>	yd ³					

Approvals: Supervisor _____ PAYEE Rep. _____

----- PROJECT
DRILLING & VOLUMES LOG Page --

Blast Reference No.

Driller: _____ Date _____ Start Time _____ End Time _____
(MO-DAY-YEAR) (HR:MIN) (HR:MIN)

Location: _____ Bench: _____ Stations: _____

Rock Type: _____ Rock Structure: _____ Bit Size: _____(in)

- * Attach Sketch Showing Drilled Holes, Hole Numbers, North Arrow, Stations, and Free Faces
- * Separate logs shall be kept for each day of drilling

ROW	HOLE	DEPTH (ft)	CORRECTION (ft)	TOTAL (ft)	HOLE LINE	HT TYPE	SPACING (ft)	BURDEN (ft)	HOLE VOLUME (yd ³)	Describe Conditions Encountered While Drilling. Note Depth Ranges From Hole Collar. i.e. Mud Seam: 12 to 17 ft. or Crack: 19 ft.
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
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67										
68										
69										
70										
71										
72										
Totals: <input style="width: 50px;" type="text"/> ft										<input style="width: 50px;" type="text"/> yd ³

Approvals: Supervisor _____ PAYEE Rep. _____ D&VF Page ___ of ___

PROJECT
BLAST REPORT FORM

Blast Reference No.

Date: _____

Blaster-in-Charge: _____

Time of Blast: _____ AM PM

License No. _____

Location: _____ Stations: _____ Elevations: _____

Rock Type: _____ Rock Structure: _____

Type of Blast: _____ Average Bench Height: _____ (ft) Hole Diameter: _____ (in) No. Holes _____

Volume Blasted _____ (yd ³) Total Explosives _____ (lb) Powder factor _____ (lb/yd ³)
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BLAST COMMENTS AND RESULTS:

Weather Conditions:

Estimated Wind Speed: _____ mph Wind Direction (eg. from NW) : _____ Sky Conditions: _____

<p>Vibration & Overpressure Monitoring: Summarize data here and attach complete seismograph records</p> Closest Structure: _____ Distance _____ ft Max. Charge per 8-MS Delay _____ lb Scaled Dist. (D/\sqrt{W}): _____ Distance Method: <input type="checkbox"/> Measured <input type="checkbox"/> Grid Map <input type="checkbox"/> GPS Other: _____
Instrument # _____ Location _____ Operator _____ Last Calibration Date _____ Distance From Blast _____ ft. PPV _____ ips Overpressure _____ dB Comments:
Instrument # _____ Location _____ Operator _____ Last Calibration Date _____ Distance From Blast _____ ft. PPV _____ ips Overpressure _____ dB Comments:
Instrument # _____ Location _____ Operator _____ Last Calibration Date _____ Distance From Blast _____ ft. PPV _____ ips Overpressure _____ dB Comments:

Approvals: Blaster-in-Charge _____ PAYEE Rep. _____

----- PROJECT
B L A S T R E P O R T F O R M

Blast Reference No.

BLASTHOLE LAYOUT AND DELAY TIMING SEQUENCE

A large grid for drawing blast hole layouts and delay timing sequences. The grid is composed of small squares, suitable for technical drawing and layout design.

Show blast holes, hole numbers, burden, spacing, surface delay hook-up, millisecond timing, north arrow and free faces.

Approvals: Blaster-in-Charge _____ PAYEE Rep _____

PROJECT
BLAST REPORT FORM

Blast Reference No.

**EXPLOSIVES & INITIATORS
 USAGE SUMMARY**

Explosives:

	Type	Size	Weight Totals
Explosive 1:	-----	-----	----- (lb)
Explosive 2:	-----	-----	----- (lb)
Explosive 3:	-----	-----	----- (lb)
Primer 1	-----	-----	----- (lb)
Primer 2	-----	-----	----- (lb)

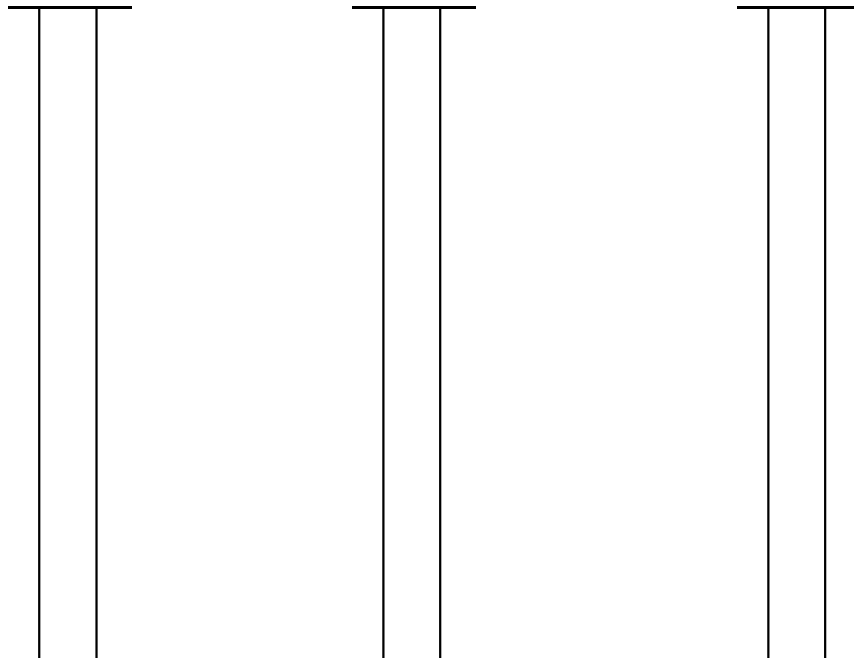
TOTAL: (lb)

Initiators:

Primary Initiation Method: _____ Firing Device: _____ Primary Detonator: _____

In-Hole Units:	No. Used:	Surface Units:	No. Used:
ITH Unit 1: _____	_____ ea.	Surface Unit 1: _____	_____ ea.
ITH Unit 2: _____	_____ ea.	Surface Unit 2: _____	_____ ea.

TYPICAL LOADS:



Approvals: Blaster-in-Charge _____ PAYEE Rep _____