STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF MINING AND RECLAMATION

BLASTING LOG

General Information

Permittee ____________________________ Permit No. ________________
Operator Name ________________________ Date/Time ________________
(Approved MR-19 Contract Operator, if applicable)
Company Conducting Blast ________________________
(Contract Blaster i.e.; Shot Service, if applicable)
Location of Blast ________________________
(Specify grid designation from blasting grid map, GPS location if available, and type of shot.)
Nearest Protected Structure ________________________
(Specify name of owner/structure owner and structure number from blasting map)
Direction and Distance to Nearest Protected Structure (Feet) ________________
Nearest Other Structure ________________________
(Specify name of owner, identifying no., describe i.e.; gas well, gas line, power line, phone line, water line, barn, etc.)
Direction and Distance to Nearest Other Structure (Feet) ________________
Weather Conditions ________________________ Wind Direction and Speed ________________
(Include estimated temperature, precipitation, sky conditions, speed and direction wind is blowing from shot)
Type(s) of Material Blasted ________________________
Mats or Other Protection Used ________________________

Blast Information

Type(s) of Explosives: Blasting Agent ________________________ Density ________________
(Include percent blend of emulsion to anfo) (Product density in g/cc)
High Explosives (Boosters) (Include type, unit weight and total number used) ________________________
Total Weight of Explosives: Blasting Agent ________________________ lbs. + Boosters ________________________ lbs. = ________________________ lbs.
Blast hole Data: Number ______ Diameter ______ Depth ______ Burden ______ Spacing ______
(For varying hole depth, diameter, stemming, burden and/or spacing, list additional data in ‘Comments’ and illustrate on ‘Sketch’ on Page 2)
Powder Column ______ft. Stemming: Type of Material ________________________ Length ______ ft.
Delay Type, Brand and Delay Periods ________________________
(Include surface and down hole delay periods)
Maximum Weight of Explosives Allowed (per 8 MS Delay Period) ________________________ lbs.
[Show appropriate formula and answer for: 0-300 ft. W=(d/50), 301-5,000 ft. W=(d/55) or Over 5,000 ft. W=(d/65)]
Maximum Weight of Explosives Used (per 8 MS Delay Period) ________________________ lbs.
Weight of Explosives Used per Hole/Deck ________________________ lbs.
Method of Firing and Type(s) of Circuits ________________________

Seismograph Data

Date and Time of Recording from the Seismogram: ________________________
Type (Brand and Model Number) of Instrument: ________________________ Sensitivity: ________________ Hz.
Person and Company Who Installed Seismograph: ________________________
Person and Firm Taking Readings: ________________________
Person and Firm Analyzing Readings: ________________________
(Attach full waveform seismograms, for all seismograph recordings for this blast. Include calibration signal even if no trigger)
Signature of Person Analyzing Readings: ________________________
Location of Seismograph: ________________________
(Specify owner’s name and structure number from the blast map, including distance from blast)
Trigger Levels: Ground: ______ips Air: ______db Length of Recording Time: ______sec.
Certificate of annual calibration must be maintained at the mine site.

Form available at www.dep.wv.gov
Sketch of Delay Pattern
Show North Arrow & Direction to Nearest Protected/Other Structure. Include Firing Time for Each Hole or Deck.

Comments
Include any special design features, such as decking (use sketch), variable hole depth, etc., reasons and conditions for unscheduled blasts and any unusual events or circumstances (i.e.; flyrock, excessive air blast or ground vibration, etc.). Include attachments as needed.

Blaster Information
Name of Blaster-in-Charge (Print or Type): ____________________________
Signature of Blaster-in-Charge: _______________________________________
WVDEP Certification Number of Blaster-in-Charge: ________________________

Form available at www.dep.wv.gov