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 homeowner/structure owner and structure number from blasting map)
Direction and Distance to Nearest Protected Structure (Feet) ________
Weather Conditions ___________________ Wind Direction and Speed ________
(Includes 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 ___________________________
(Maximum weight of explosives allowed per 8 MS Delay Period) __________ lbs.
[Show appropriate formula and answer for: 0-300 ft. W=(d/50)^2, 301-5,000 ft. W=(d/55)^2 or Over 5,000 ft. W=(d/65)^2]
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.
Vibrations Recorded: Longitudinal: ______ Transverse: ______ Vertical: ______ Air Blast: ______
Frequency: Longitudinal: ______ Hz Transverse: ______ Hz Vertical: ______ Hz Air Blast: ______ Hz.
Certificate of annual calibration must be maintained at the mine site.
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: