

Form 5607.16  
Blast (shot) Record

<u>Block 1</u> <u>General Information</u>				
<u>1</u>	<u>Blast date:</u>	<u>Blast Number:</u>	<u>Blast Time:</u>	<u>Permit Number:</u>
<u>2</u>	<u>Blast location by address including city, county or town:</u>			
<u>3</u>	<u>Blast location by GPS coordinates:</u> <input type="checkbox"/> <u>check box if unknown</u>			
<u>4</u>	<u>Name of Permit Holder:</u>			
<u>5</u>	<u>Name of Blaster in charge (print):</u>			
<u>6</u>	<u>Signature of Blaster in charge:</u>			
<u>7</u>	<u>Certification Number of Blaster in charge:</u>			
<u>Block 2</u> <u>General Environmental Conditions</u>				
<u>1</u>	<u>Weather (Clear? Cloudy? Overcast?)</u>	<u>Wind direction and speed</u>  _____ @ _____ mph	<u>Temperature</u> <u>F° / C°</u>	
<u>2</u>	<u>Topography (Flat? Hilly? Mountainous?)</u>	<u>Distance from blast site to nearest inhabited building:</u>	<u>Distance from nearest inhabited building determined by:</u> <input type="checkbox"/> <u>GPS coordinates</u> <input type="checkbox"/> <u>Measurement</u> <input type="checkbox"/> <u>Estimated</u>	
<u>3</u>	<u>Use of nearest inhabited building (Dwelling? Business? Apartment Building? School?)</u>	<u>Direction from blast site to nearest inhabited building:</u>	<u>Direction from blast site to nearest inhabited building determined by:</u> <input type="checkbox"/> <u>GPS instrument</u> <input type="checkbox"/> <u>Compass</u> <input type="checkbox"/> <u>Estimated</u>	
<u>Additional Blaster notations on environmental conditions:</u>				

Block 3 Shot Layout and Precautions Taken (N/A = Not Applicable)			
<u>1</u>	<u>Number of holes</u>	<u>Diameter of hole or holes</u>	<u>Depth of hole or holes</u>
<u>2</u>	<u>Were any holes decked?</u> <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>How many holes were decked?</u> <input type="checkbox"/> N/A  <u>(If applicable, indicate on any attached shot pattern drawing which holes were decked and the number of decks for the holes.)</u>	<u>How many decks per hole?</u> <input type="checkbox"/> N/A
<u>3</u>	<u>Shot pattern</u> <input type="checkbox"/> Check this box if only single hole.	<u>Depth of sub-drilling</u>	<u>Drilling angle</u>
<u>4</u>	<u>Burden</u>	<u>Spacing of holes</u>	<u>Water height</u>
<u>5</u>	<u>Stemming height</u>	<u>Material used for stemming</u>	<u>Check box for flyrock precautions taken</u> <input type="checkbox"/> Mats <input type="checkbox"/> Overburden <input type="checkbox"/> None taken
<u>Additional Blaster notations on shot layout and precautions:</u>			
Block 4 Seismic Control Measures (N/A = Not Applicable)			
<u>1</u>	<u>Was scaled distance formula used?</u> <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>Indicate which scaled distance equation was used.</u> <input type="checkbox"/> N/A <input type="checkbox"/> $W(lb) = \{D(ft)/50\}^2$ <input type="checkbox"/> $W(lb) = \{D(ft)/55\}^2$ <input type="checkbox"/> $W(lb) = \{D(ft)/65\}^2$	<u>Maximum allowable charge weight per 8 ms based on scaled distance.</u> <input type="checkbox"/> N/A
<u>2</u>	<u>Was seismograph used?</u> <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>Seismograph manufacturer and model number:</u> <input type="checkbox"/> N/A	<u>Seismograph serial number:</u> <input type="checkbox"/> N/A  <u>Seismograph's last calibration date.</u> <input type="checkbox"/> N/A
<u>3</u>	<u>Distance and direction seismograph from blast site</u> <input type="checkbox"/> N/A	<u>Distance determined by:</u> <input type="checkbox"/> N/A <input type="checkbox"/> GPS coordinates <input type="checkbox"/> Estimated <input type="checkbox"/> Measurement	

4	<u>Seismograph</u> <input type="checkbox"/> N/A <u>Geophone Minimum Frequency</u> <u>      </u> Hz <u>Seismograph</u> <u>Microphone Minimum Frequency</u> <u>      </u> Hz	<u>Seismograph recordings:</u> <input type="checkbox"/> N/A <u>Transverse</u> in/s        Hz <u>Vertical</u> in/s        Hz <u>Longitudinal</u> in/s        Hz <u>Acoustic</u> dB         Hz																																	
5	<u>Seismograph trigger level</u> <input type="checkbox"/> N/A <u>      </u> in/s        dB																																		
<u>Additional Blaster notations on seismic control measures:</u>																																			
<u>Block 5</u> <u>Quantity and Product</u>																																			
1	<u>Maximum allowable charge weight per 8 ms interval</u> <input type="checkbox"/> <u>Delay not used</u> <u>      </u> lbs	<u>Initiation (Check)</u>  <input type="checkbox"/> <u>Electric</u> <input type="checkbox"/> <u>Non-electric</u> <input type="checkbox"/> <u>Electronic</u>																																	
2	<u>Maximum number of holes/decks per 8 ms interval</u> <input type="checkbox"/> <u>Delay not used</u> <u>      </u> lbs																																		
3	<u>Maximum weight or sticks of explosive per hole</u> <u>      </u> lbs	<u>Firing device manufacturer and model:</u> <u>      </u> <input type="checkbox"/> N/A																																	
<u>Explosive Product listing (Attach additional pages as needed.)</u>																																			
4	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"><u>Manufacturer</u></th> <th style="width: 40%;"><u>Product name, description or brand</u></th> <th style="width: 20%;"><u>Number of units</u></th> <th style="width: 20%;"><u>Unit weight (lb)</u></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	<u>Manufacturer</u>	<u>Product name, description or brand</u>	<u>Number of units</u>	<u>Unit weight (lb)</u>																														
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5	<u>Total explosive weight in this shot:</u> <u>      </u> lbs.																																		
<u>Additional Blaster notations on product and quantities:</u>																																			

<u>Block 6</u> <u>Completion of Shot Record and General Comments</u>	
<u>General comments on shot not included in notes above:</u>	
<u>Date shot report completed:</u>	<u>Time shot report completed:</u>
<u>Printed name and signature of person completing shot report if different from Block 1, Lines 5 and 6.</u>	<u>(Print)</u>
	<u>(Signature)</u>