

APPENDIX 3.3-1

BLAST RECORD

South Heart Lignite Mine Blasting Record									
Date:	_____ a.m.	Job:	_____	Permit:	_____	Location:	_____	Pattern #:	_____
Time:	_____ p.m.	Blaster:	_____	Signature:	_____	License #:	_____	# of Helpers:	_____
Wind Direction:	_____	Weather (X):	Clear _____	Partly Cloudy _____	Cloudy _____	Rain _____	Snow _____		
Wind Velocity:	_____	10-32:	_____	32-50:	_____	50-70:	_____		
Temperature (X):	<0 _____	10-32:	_____	32-50:	_____	50-70:	_____	70 and above:	_____
Material Blasted (X):	_____	Coal:	_____	Shale:	_____	Sandstone:	_____	Other:	_____
Average Depth of Holes:	_____ feet (ft)	Diameter of Holes:	_____ inches	Burden:	_____ ft	Spacing:	_____ ft	Reason for Unscheduled Blast: _____	
Length of Stemming:	_____ ft	Type of Stemming:	_____						
Decking:	Yes _____ No _____	Number of decks per hole:	_____	Length of Decks:	_____ ft	Pattern (X):	Staggered: _____	Square:	_____
Were mats used:	Yes _____ No _____	Type of Mat:	_____	Weight of Mat:	_____ lbs	Other Precautions: _____			
Distance to nearest non-company building:	_____ ft	Direction of Building:	_____	Scaled Distance: _____					
Number of Holes:	_____	Pounds (lbs)/Hole:	_____	Maximum lbs/Hole:	_____	Method of Firing: _____			
Maximum Weight of Explosives allowable in 8 ms Delay _____									
Actual Weight of Explosive used within an 8 ms Delay _____									
High Explosives:	_____ lbs	x power primers	_____	Machine (X):	Sequential: _____	CD-600:	_____	Other:	_____
	_____ lbs	x power primers	_____	Method of Detonation (X):	Nonel: _____	Electric Cap:	_____		
	_____ lbs	cast primers	_____		Other: _____	Explanation:	_____		
	_____ lbs	(Other: _____)	_____	Type of Circuit (X):	Series: _____	Parallel:	_____		
	SUBTOTAL _____ lbs				Nonel: _____	Other:	_____		
N.C.N	_____ lbs tubes								
	_____ lbs bulk ANFO								
	SUBTOTAL _____ lbs		Type of Delays used: _____						
Slurry:	_____ lbs	Number of Delays Used: _____							
Prima Cord:	_____ ft					Seq. Position Used:	_____	Seq. Time Used:	_____
Grain:	_____ oz.	Total Explosives Used:	_____ lbs	Number of Caps Used:	_____	Length of Leg wires:	_____ ft		
B.C.Y.	_____	Powder Factor:	_____	Number of Caps Used:	_____	Length of Leg wires:	_____ ft		
Was blast Seismographed:	Yes _____ No _____	Location of Seismograph: _____				Distance to Blast:	_____	Direction:	_____
Person Taking Record:	_____	Seismograph reading: Vibration: _____				Decibels:	_____		

South Heart Lignite Mine  
Blasting Record - Sketch of Blast Pattern

LEGEND

- X - Delay
- O - Drill Hole
- - Decking
- - Det Cord

Burden: \_\_\_\_\_

Spacing: \_\_\_\_\_

Highwall

Overburden - Coal Edge

SPOILS