DAILY BLASTING LOG

Booth Energy

Reorder from



Form# BL-13

SCALE DISTANCE CALCULATIONS

The following scale distance equations are in effect at the time of publication of this booklet. Please be advised that these equations are subject to change by law. The equations are law and printed for information and Booth Energy assumes no responsibility for these equations. If you have any questions concerning the proper equation to use in figuring scale distance please contact someone with the Department of Mines and Minerals or the Department for Surface Mining Reclamation and Enforcement.

THE FOLLOWING EQUATION IS APPLICABLE TO CONSTRUCTION, QUARRY, OR SHOOTING OTHER THAN STRIP MINING FOR COAL

TABLE TO BE USED FOR DETERMINING WEIGHT OF EXPLOSIVES TO BE USED ON A SINGLE DELAY

DISTANCE is the actual distance to the nearest house, public building, school, church, commercial or institutional building in feet.

WEIGHT is the maximum weight of explosives to be used on a single delay.

DISTANCE	WEIGHT	DISTANCE	WEIGHT				
5 - 10'	1/8	350	49				
11 - 15	1/4	400	64				
16 - 20	1/2	500	100				
21 - 25	3/4	600	144				
26 - 30	1.00	700	196				
40	2.25	800	256				
50	3.50	900	324				
60	4.75	1000	400				
70	6.00	1100	484				
80	7.25	1200	576				
90	8.50	1300	676				
100	9.75	1400	784				
110	11.0	1500	900				
130	13.5	1600	1024				
150	16.0	1700	1156				
170	18.5	1800	1296				
190	21.0	1900	1444				
210	23.5	2000	1600				
230	26.0	2500	2500				
250	28.5	3000	3600				
270	31.0	3500	4900				
290	33.5	4000	6400				
300	34.75	4500	8100				
		5000	10000				

* Less than five (5) feet the total charge should not exceed 1/8 lb.

** For distances not in the table, use the formula:

Weight =
$$\left(\frac{\text{Distance}}{50}\right)^2$$

REPORT OF BLASTING OPERATION

Name of Company										Address												
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			٦	Time o	of Bla	st				_ AN	Λ			PM								
Amount(s) and Type(s) of Explosives Used																						
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of He	oles _								Diameter of Holes													
of St	emm	ing							Ту	pe of	Stem	ming										
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41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60			
61	62	63	64	65	66	67	68	60	70	71	72	73	74	75	76	77	78	70	80			
01	02	05	04	05	00	07	00	09	70	71	72	/3	74	75	70	//	70	79	00			
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DIAGRAM OF SHOT

(Indicate Hole Number, Location and Delay System)

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