



**AUSTIN POWDER LTD.
BLAST REPORT**



341-Winnipeg/Stonewall
Hwy 7 & 67 MB, Stonewall, Canada R0C

Blast No.: 9-2023

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 03/06/2023 13:32

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North East

ENVIRONMENT

Method Used: Lat./Long.

Weather: Clear

Wind From: N

Temperature: -20 °C

Terrain: Flat

Wind Velocity: 7-15 km/h

Blast Lat./Long.: 50° 0' 51.320" N 97° 16' 43.070" W

NEAREST PROTECTED STRUCTURE

Structure Name: Whites

Compass Point: NNE

Structure Type: Dwelling

Direction/Bearing: 28 °

Structure Lat./Long.: 50° 1' 7.580" N 97° 16' 29.470" W

Distance: 571 m

LAYOUT

Hole Depth:	4.42 m	Material Blasted:	Limestone	Total Meters Drilled:	1,144.8 m
No. of Holes:	259	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P. † Holes:	259	Face Height:	4.42 m	Spacing:	3.35 m
No. of Rows:	23	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	3/4 Clean
				Area Type:	Corner/Open End
				Method:	Weighted Average

† V.P. = Volume Producing

WEIGHTS

	Max. Wt. of Expl. in Overlapped Decks:	114.3 kg
Initiation: Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	114.3 kg
Firing Device: Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	4
Other Method:	Max. Wt. of Explosive Per Hole:	28.6 kg
Mfg and Model: Ideal	Scaled Distance Factor (max charge):	106.75
Initiation Settings:	Scaled Distance Factor (per delay):	53.38
Series Resistance (ohms):		

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type:	Seismic Record	Seismograph Type:	Mini White Seismograph		
Date:	03/06/23	Trigger Level:	0.51 mm/s 100.00 dB	Transverse:	0.254 mm/s 0.0 Hz
Time:	13:32	Calibration Date:	10/23/23	Vertical:	0.254 mm/s 0.0 Hz
Distance From Blast:	570.59 m	Calibration Signal:	Pass	Longitudinal:	0.381 mm/s 25.6 Hz
Direction From Blast:	NNE	Geophone Min. Freq.:	--- Hz		
Readout:	Printed Copy	Mic. Min. Freq.:	--- Hz	Acoustic:	110 dB --- Hz
Location:				Vector Sum:	--- mm/s
Lat./Long.:	50° 1' 7.580" N		97° 16' 29.470" W		

Reader and Firm:

Analyst and Firm:

Installer and Firm: