



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 5-2024

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 03/12/2024 12:28

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North East

ENVIRONMENT

Method Used: Lat./Long.

Weather: Foggy

Wind From: NW

Temperature: -2 °C

Terrain: Flat

Wind Velocity: 8-13 km/h

Blast Lat./Long.: 50° 1' 6.010" N 97° 17' 10.230" W

NEAREST PROTECTED STRUCTURE

Structure Name: Whites

Compass Point: E

Structure Type: Dwelling

Direction/Bearing: 86 °

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

Distance: 813 m

LAYOUT

Hole Depth:	4.57 m	Material Blasted:	Limestone	Total Meters Drilled:	1,005.8 m
No. of Holes:	220	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P.† Holes:	220	Face Height:	4.57 m	Spacing:	2.74 m
No. of Rows:	9	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	3/4 Down
				Method:	Weighted Average
				Water Depth:	1.22 m
				Stem Length:	1.22 m
				Area Type:	Center Start/ Breakout

† V.P. = Volume Producing

WEIGHTS

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks:	205.9 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	205.9 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	6
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	34.3 kg
Initiation Settings:	Scaled Distance Factor (max charge):	138.78
Series Resistance (ohms):	Scaled Distance Factor (per delay):	56.66

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: No Trigger	Seismograph Type: Mini White Seismograph
Date: 03/12/24	Trigger Level: 1.02 mm/s 106.00 dB
Time: 12:28	Calibration Date: 09/18/24
Distance From Blast: 812.90 m	Calibration Signal:
Direction From Blast: E	Geophone Min. Freq.: --- Hz
Readout:	Mic. Min. Freq.: --- Hz
Location:	
Lat./Long.: 50° 1' 7.580" N	97° 16' 29.470" W
Reader and Firm: AUSTIN POWDER	
Analyst and Firm:	
Installer and Firm: Austin Powder	