



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 4-2024

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 02/20/2024 12:39

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North West

ENVIRONMENT

Method Used: Lat./Long.

Weather: Clear

Wind From: NW

Temperature: -4 °C

Terrain: Flat

Wind Velocity: 8-14 km/h

Blast Lat./Long.: 50° 1' 5.130" N 97° 17' 10.220" W

NEAREST PROTECTED STRUCTURE

Structure Name: Whites

Compass Point: ENE

Structure Type: Dwelling

Direction/Bearing: 84 °

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

Distance: 815 m

LAYOUT

Hole Depth:	4.48 m	Material Blasted:	Limestone	Total Meters Drilled:	1,048.5 m
No. of Holes:	234	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P. † Holes:	234	Face Height:	4.48 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 Clean
				Method:	Weighted Average

† V.P. = Volume Producing

WEIGHTS

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks:	193.0 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	193.0 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	6
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	32.5 kg
Initiation Settings:	Scaled Distance Factor (max charge):	142.91
Series Resistance (ohms):	Scaled Distance Factor (per delay):	58.65

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 02/20/24	Trigger Level: 0.64 mm/s 100.00 dB	Transverse:	0.127 mm/s 0.0 Hz
Time: 12:39	Calibration Date: 05/01/24	Vertical:	0.127 mm/s 0.0 Hz
Distance From Blast: 814.73 m	Calibration Signal: Pass	Longitudinal:	0.127 mm/s 0.0 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz	Acoustic:	112 dB --- Hz
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Vector Sum:	--- mm/s
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			