



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 7-2024

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 04/02/2024 12:18

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North West

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Clear

Wind From: S

Temperature: -2 °C

Terrain: Flat

Wind Velocity: 7-23 km/h

Blast Lat./Long.: 50° 1' 7.110" N 97° 17' 8.890" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: Whites

Compass Point: E

Direction/Bearing: 88 °

Structure Type: Dwelling

Distance: 785 m

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

**LAYOUT**

Hole Depth:	4.79 m	Material Blasted:	Limestone	Total Meters Drilled:	947.6 m
No. of Holes:	198	Subdrilling:	0.00 m	Burden:	2.74 m
No. of V.P.† Holes:	198	Face Height:	4.79 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:	189.6 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	189.6 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	6
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	31.6 kg
Initiation Settings:	Scaled Distance Factor (max charge):	139.61
Series Resistance (ohms):	Scaled Distance Factor (per delay):	57.00

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 04/02/24	Trigger Level: 1.02 mm/s 106.00 dB	Transverse:	0.127 mm/s 0.0 Hz
Time: 12:18	Calibration Date: 09/18/24	Vertical:	0.127 mm/s 0.0 Hz
Distance From Blast: 784.86 m	Calibration Signal:	Longitudinal:	0.127 mm/s 0.0 Hz
Direction From Blast: E	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			