



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 3-2023

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 01/24/2023 13:27

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Cloudy / High Clouds

Wind From: SE

Temperature: -8 °C

Terrain: Flat

Wind Velocity: 16-24 km/h

Blast Lat./Long.: 50° 1' 1.340" N 97° 16' 47.560" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: Whites

Compass Point: NE

Structure Type: Dwelling

Direction/Bearing: 61 °

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

Distance: 408 m

**LAYOUT**

Hole Depth:	4.69 m	Material Blasted:	Limestone	Total Meters Drilled:	1,295.4 m
No. of Holes:	276	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	276	Face Height:	4.69 m	Spacing:	3.05 m
No. of Rows:	16	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:	145.8 kg
Initiation: Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	145.8 kg
Firing Device: Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	5
Other Method:	Max. Wt. of Explosive Per Hole:	29.2 kg
Mfg and Model: Ideal	Scaled Distance Factor (max charge):	75.64
Initiation Settings:	Scaled Distance Factor (per delay):	33.83
Series Resistance (ohms):		

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type:	Seismic Record	Seismograph Type:	Mini White Seismograph		
Date:	01/24/23	Trigger Level:	0.51 mm/s 100.00 dB	Transverse:	2.159 mm/s 25.6 Hz
Time:	13:27	Calibration Date:	07/07/23	Vertical:	1.524 mm/s 39.3 Hz
Distance From Blast:	408.43 m	Calibration Signal:	Pass	Longitudinal:	1.397 mm/s 17.6 Hz
Direction From Blast:	NE	Geophone Min. Freq.:	--- Hz		
Readout:	Printed Copy	Mic. Min. Freq.:	--- Hz	Acoustic:	112 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:					