



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 14-2023

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 04/05/2023 13:26

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Clear

Wind From: N

Temperature: -5 °C

Terrain: Flat

Wind Velocity: 31-47 km/h

Blast Lat./Long.: 50° 1' 4.200" N 97° 16' 55.140" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: Whites

Compass Point: ENE

Structure Type: Dwelling

Direction/Bearing: 78 °

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

Distance: 522 m

**LAYOUT**

Hole Depth:	4.66 m	Material Blasted:	Limestone	Total Meters Drilled:	1,291.7 m
No. of Holes:	277	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P. † Holes:	277	Face Height:	4.66 m	Spacing:	3.05 m
No. of Rows:	6	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:	120.0 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	120.0 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	4
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	30.0 kg
Initiation Settings:	Scaled Distance Factor (max charge):	95.20
Series Resistance (ohms):	Scaled Distance Factor (per delay):	47.60

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 04/05/23	Trigger Level: 0.51 mm/s 100.00 dB	Transverse:	2.794 mm/s 13.1 Hz
Time: 13:26	Calibration Date: 10/23/23	Vertical:	1.143 mm/s 20.4 Hz
Distance From Blast: 521.51 m	Calibration Signal: Pass	Longitudinal:	1.397 mm/s 16.0 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:

Analyst and Firm:

Installer and Firm: