



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 10-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 03/04/2021 12:38

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North wall

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Clear

Wind From: E

Temperature: 0 °C

Terrain: Flat

Wind Velocity: 5-10 km/h

Blast Lat./Long.: 50° 0' 57.400" N 97° 16' 58.700" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: Dwelling

Compass Point: ENE

Structure Type: Dwelling

Direction/Bearing: 79 °

Structure Lat./Long.: 50° 1' 1.210" N 97° 16' 27.880" W

Distance: 625 m

**LAYOUT**

Hole Depth:	4.82 m	Material Blasted:	Limestone	Total Meters Drilled:	1,117.4 m
No. of Holes:	232	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P. † Holes:	232	Face Height:	4.82 m	Spacing:	3.05 m
No. of Rows:	8	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:	168.0 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	168.0 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	5
Mfg and Model: ideal supply	Max. Wt. of Explosive Per Hole:	33.6 kg
Initiation Settings:	Scaled Distance Factor (max charge):	107.79
Series Resistance (ohms):	Scaled Distance Factor (per delay):	48.20

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type: Seismic Record	Seismograph Type: White Mini sies		
Date: 03/04/21	Trigger Level: --- mm/s 110.00 dB	Transverse:	1.651 mm/s 15.5 Hz
Time: 12:38	Calibration Date: 12/15/20	Vertical:	0.635 mm/s 46.5 Hz
Distance From Blast: 624.84 m	Calibration Signal:	Longitudinal:	1.27 mm/s 18.9 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz	Acoustic:	110 dB --- Hz
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Vector Sum:	--- mm/s
Location:			
Lat./Long.: 50° 1' 1.210" N	97° 16' 27.880" W		

Reader and Firm:

Analyst and Firm:

Installer and Firm: