



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 9-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 03/02/2021 13:45

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Clear

Wind From: W

Temperature: 0 °C

Terrain: Flat

Wind Velocity: 24-36 km/h

Blast Lat./Long.: 50° 0' 57.220" N 97° 17' 1.580" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: Trailer

Compass Point: ENE

Structure Type: Dwelling

Direction/Bearing: 78 °

Structure Lat./Long.: 50° 1' 1.480" N 97° 16' 28.260" W

Distance: 676 m

**LAYOUT**

Hole Depth:	5.06 m	Material Blasted:	Limestone	Total Meters Drilled:	1,214.3 m
No. of Holes:	240	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P. † Holes:	240	Face Height:	5.06 m	Spacing:	3.05 m
No. of Rows:	19	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:	126.8 kg
Initiation: Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	126.8 kg
Firing Device: Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	4
Other Method:	Max. Wt. of Explosive Per Hole:	31.7 kg
Mfg and Model: Ideal	Scaled Distance Factor (max charge):	120.14
Initiation Settings:	Scaled Distance Factor (per delay):	60.07
Series Resistance (ohms):		

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type:	Seismic Record	Seismograph Type:	Mini White Seismograph		
Date:	03/02/21	Trigger Level:	1.02 mm/s 110.00 dB	Transverse:	1.143 mm/s 15.0 Hz
Time:	13:45	Calibration Date:	11/03/21	Vertical:	0.508 mm/s 25.6 Hz
Distance From Blast:	676.35 m	Calibration Signal:	Pass	Longitudinal:	0.635 mm/s 13.4 Hz
Direction From Blast:	ENE	Geophone Min. Freq.:	--- Hz		
Readout:	Printed Copy	Mic. Min. Freq.:	--- Hz	Acoustic:	110 dB --- Hz
Location:				Vector Sum:	--- mm/s
Lat./Long.:	50° 1' 1.480" N		97° 16' 28.260" W		
Reader and Firm:					
Analyst and Firm:					
Installer and Firm:					