



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 1-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 01/08/2021 13:31

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: south wall

ENVIRONMENT

Method Used: Lat./Long.

Weather: Cloudy / High Clouds

Wind From: NW

Temperature: -4 °C

Terrain: Flat

Wind Velocity: 15-20 km/h

Blast Lat./Long.: 50° 0' 51.580" N 97° 17' 2.330" W

NEAREST PROTECTED STRUCTURE

Compass Point: ENE

Structure Name: Dwelling

Direction/Bearing: 66 °

Structure Type: Dwelling

Distance: 748 m

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

LAYOUT

Hole Depth:	4.91 m	Material Blasted:	Limestone	Total Meters Drilled:	1,079.6 m
No. of Holes:	220	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	220	Face Height:	4.91 m	Spacing:	3.05 m
No. of Rows:	11	Drilling Angle:	°	Back Fill Depth:	0.00 m
Diameter:	88.9 mm	Mats Used:	No	Stem Type:	3/4 clean
				Area Type:	Conventional
				Method:	Weighted Average

† V.P. = Volume Producing

WEIGHTS

	Max. Wt. of Expl. in Overlapped Decks:	150.1 kg
Initiation: Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	150.1 kg
Firing Device: Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	4
Other Method:	Max. Wt. of Explosive Per Hole:	37.5 kg
Mfg and Model: ideal supply	Scaled Distance Factor (max charge):	122.05
Initiation Settings:	Scaled Distance Factor (per delay):	61.02
Series Resistance (ohms):		

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: Seismic Record	Seismograph Type: White Mini sies		
Date: 01/08/21	Trigger Level: --- mm/s	--- dB	Transverse: 1.143 mm/s 13.8 Hz
Time: 13:31	Calibration Date: 08/20/20		Vertical: 0.635 mm/s 34.1 Hz
Distance From Blast: 747.67 m	Calibration Signal:		Longitudinal: 1.143 mm/s 23.2 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz		
Readout: Printed Copy	Mic. Min. Freq.: --- Hz		Acoustic: 112 dB --- Hz
Location:			Vector Sum: --- mm/s
Lat./Long.: 50° 1' 1.210" N	97° 16' 27.880" W		

Reader and Firm:

Analyst and Firm:

Installer and Firm: