



**AUSTIN POWDER LTD.
BLAST REPORT**



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

Blast No.: 8-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd
(MUN1000-006)

Date/Time: 02/23/2021 12:53

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: west wall

ENVIRONMENT

Method Used: Lat./Long.

Weather: Cloudy / High Clouds

Wind From: N

Temperature: -2 °C

Terrain: Flat

Wind Velocity: 15-25 km/h

Blast Lat./Long.: 50° 0' 53.660" N 97° 17' 0.080" W

NEAREST PROTECTED STRUCTURE

Structure Name: Dwelling

Compass Point: ENE

Structure Type: Dwelling

Direction/Bearing: 70 °

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

Distance: 682 m

LAYOUT

Hole Depth:	5.03 m	Material Blasted:	Limestone	Total Meters Drilled:	1,196.9 m
No. of Holes:	238	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P. † Holes:	238	Face Height:	5.03 m	Spacing:	3.05 m
No. of Rows:	14	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:	125.5 kg
Initiation: Non-Electric	Max. Wt. of Expl. Per 8 ms Interval:	125.5 kg
Firing Device: Shot Shell Igniter	Max. No. of Holes Per 8 ms Interval:	4
Other Method:	Max. Wt. of Explosive Per Hole:	34.3 kg
Mfg and Model: IDEAL supply	Scaled Distance Factor (max charge):	116.44
Initiation Settings:	Scaled Distance Factor (per delay):	60.90
Series Resistance (ohms):		

SEISMOGRAPH 1 - SEISMOGRAPH 1

Data Type: No Trigger	Seismograph Type: White Mini sies
Date: 02/23/21	Trigger Level: --- mm/s 110.00 dB
Time: 12:53	Calibration Date: 12/15/20
Distance From Blast: 682.14 m	Calibration Signal:
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz
Readout:	Mic. Min. Freq.: --- Hz
Location:	
Lat./Long.: 50° 1' 1.210" N	97° 16' 27.880" W

Reader and Firm:

Analyst and Firm:

Installer and Firm: