



**AUSTIN POWDER LTD.  
BLAST REPORT**



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

Blast No.: 14-2021

Blast Type: Stone Quarry/Stone Mine - Production

Permittee: Hugh Munro

Customer: Hugh Munro Construction Ltd  
(MUN1000-006)

Date/Time: 04/27/2021 13:02

Pit/Permit: LILYFIELD QUARRY / 1000-006

Location: North

**ENVIRONMENT**

Method Used: Lat./Long.

Weather: Clear

Wind From: SE

Temperature: 13 °C

Terrain: Flat

Wind Velocity: 5-7 km/h

Blast Lat./Long.: 50° 0' 59.560" N 97° 16' 55.320" W

**NEAREST PROTECTED STRUCTURE**

Structure Name: Trailer

Compass Point: ENE

Structure Type: Dwelling

Direction/Bearing: 83 °

Distance: 542 m

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

**LAYOUT**

Hole Depth:	4.92 m	Material Blasted:	Limestone	Total Meters Drilled:	1,371.6 m
No. of Holes:	279	Subdrilling:	0.00 m	Burden:	2.44 m
No. of V.P.† Holes:	279	Face Height:	4.92 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 Down
				Method:	Weighted Average

† V.P. = Volume Producing

**WEIGHTS**

Initiation: Non-Electric	Max. Wt. of Expl. in Overlapped Decks:	205.9 kg
Firing Device: Shot Shell Igniter	Max. Wt. of Expl. Per 8 ms Interval:	205.9 kg
Other Method:	Max. No. of Holes Per 8 ms Interval:	6
Mfg and Model: Ideal	Max. Wt. of Explosive Per Hole:	34.3 kg
Initiation Settings:	Scaled Distance Factor (max charge):	92.50
Series Resistance (ohms):	Scaled Distance Factor (per delay):	37.76

**SEISMOGRAPH 1 - SEISMOGRAPH 1**

Data Type: Seismic Record	Seismograph Type: Mini White Seismograph		
Date: 04/27/21	Trigger Level: 1.02 mm/s 110.00 dB	Transverse:	4.191 mm/s 28.4 Hz
Time: 13:02	Calibration Date: 11/03/21	Vertical:	1.524 mm/s 51.2 Hz
Distance From Blast: 541.93 m	Calibration Signal: Pass	Longitudinal:	3.81 mm/s 36.5 Hz
Direction From Blast: ENE	Geophone Min. Freq.: --- Hz	Acoustic:	116 dB --- Hz
Readout: Printed Copy	Mic. Min. Freq.: --- Hz	Vector Sum:	--- mm/s
Location:			
Lat./Long.: 50° 1' 1.480" N	97° 16' 28.260" W		

Reader and Firm:

Analyst and Firm:

Installer and Firm: