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Mailing Address: PO Box 25285 • Nashville, TN 37202

### BLASTING LOG DATA

COMPANY: Sanders Construction		JOB NAME: Obsidian Mountain		BLASTER IN CHARGE (NAME) / ID NO.: Justin Probst	
DATE: 12/5/2007		TIME FIRED: 9:16		CITY, STATE HENDERSON, NV	
SHOT LOCATION (GPS) N36 00.181' W115 03.514'					
NO OF HOLES: 1		BURDEN X SPACING X DEPTH: (FT) 4x4x10		STEMMING AMOUNT (FT) / TYPE: 3	
TOTAL EXPLOSIVE CHARGE: (LBS.) 4		MAX EXPLOSIVE/DELAY: (LBS.) 2.18		HOLE DIAMETER: (IN.) 2 3/4	
<b>No. Holes</b>					
<b>Spacing</b>					
<b>Burden</b>					
<b>Depth</b>					
<b>Explosive</b>					
<b>Delay No.</b>					
KIND FO SURFACE PROTECTION:					
WEATHER: Sunny		TEMPERATURE: 56.3		WIND: 0-3	
REMARKS: PRE TRIGGER : 9:11 <b>Machine Did Not Trigger</b>					

<b>Field Recording Data</b>			<b>Instrument Settings</b>		
VERTICLE:TRANSVERSE: LONGITUDNIAL:	PVS: DECIBLES: <.03 <120	GEO: .03	MIC.: 120	DURATION: 4	
RECORDER POSITION (GPS): N36 00.148' W115 03.540'	TYPE OF PROPERTY: OWNER: Commercial	ADDRESS: Behind 1758 Tozzetti			
DIRECTION OF SOURCE: NE		DISTANCE (BY GPS) 231 ft			
MANUFACTURER: Larcor	MODEL: MR-2G	S/N: 2263	OPERATOR NAME: John A Adkins	DATA CASSETTE NO.: 07-002	

### Field Recording Results (For VCE Vibration Control Use Only)

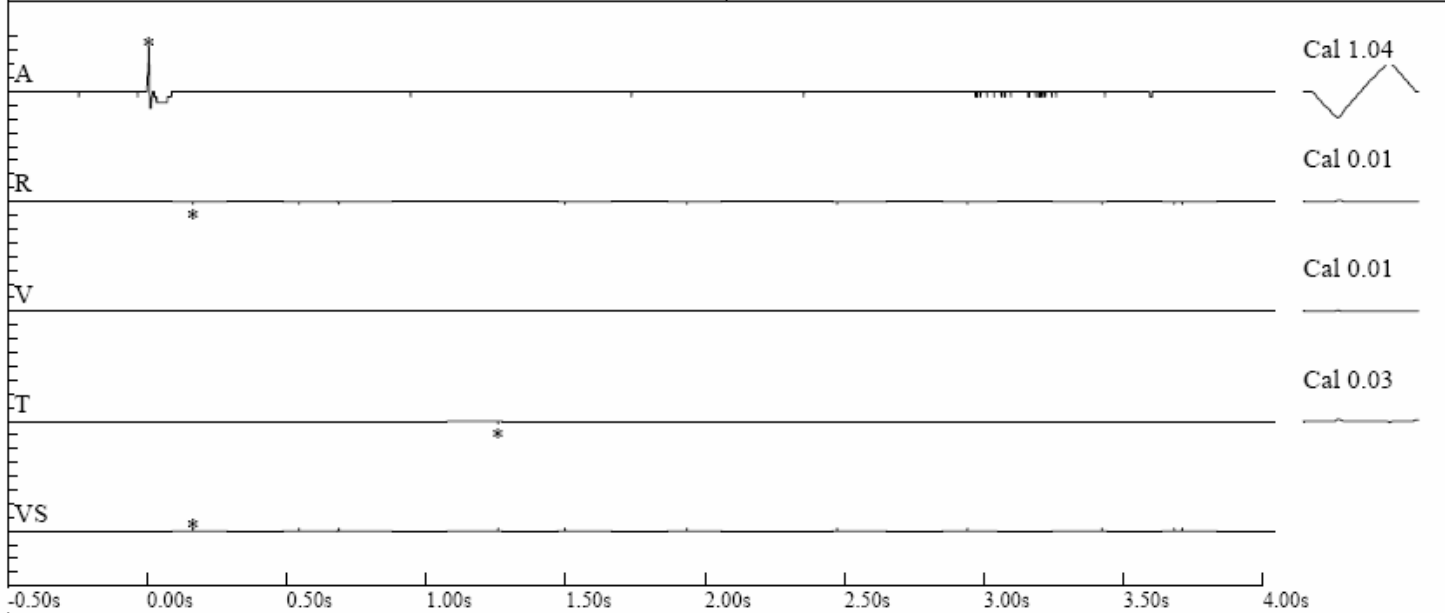
RECORDER CONTROL NO.:  
071205JAA1c

VIBRATION MEASUREMENT RESULTS	
Maximum Peak Particle Velocity	Frequency (Hz)
Longitudinal _____ "/Sec	_____
Vertical _____ "/Sec	_____
Transverse _____ "/Sec	_____
<b>SAFE</b>	<b>CAUTION</b>
<b>DANGER</b>	
SOUND MEASUREMENT RESULTS	
Maximum Noise Level _____ dB.	

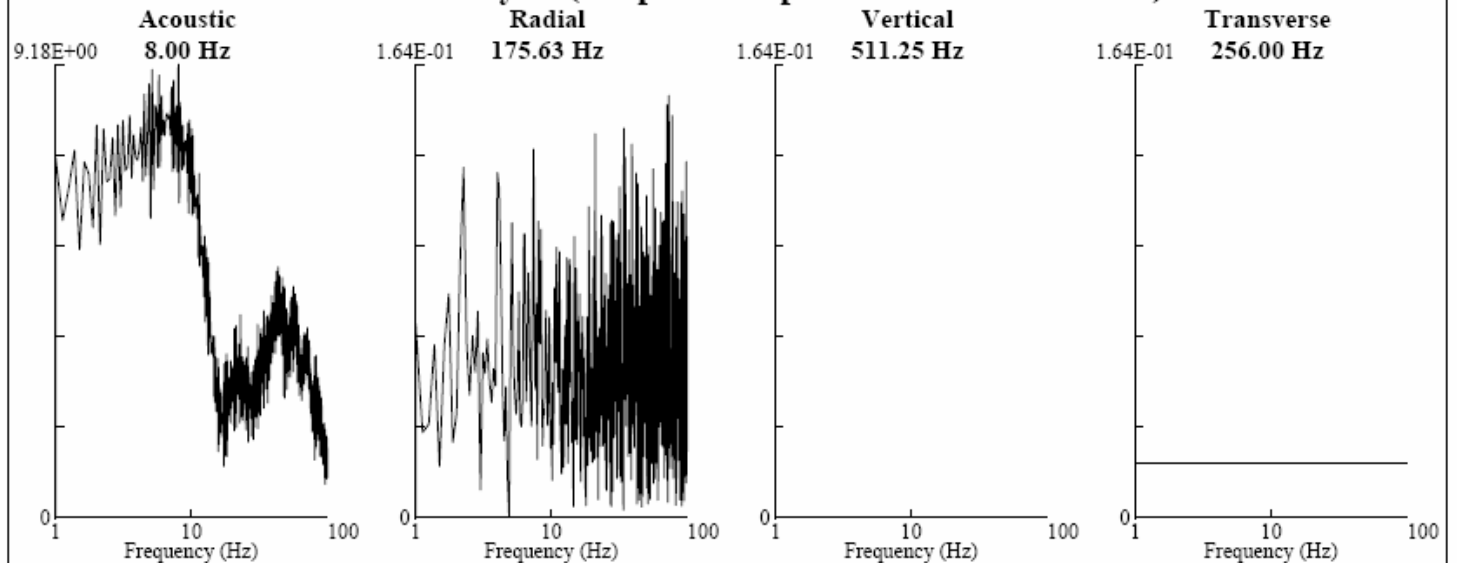
**SEISMOGRAPH SENSOR CONFIRMATION TEST**  
 (Note the waveform below does not represent data from the blast)

File Name: 226320071205001.dtb  
 Number: 001  
 Date: 12/5/2007  
 Time: 09:11  
 Serial Number: 2263  
 Seismic Trigger: 0.0300 in/sec  
 Acoustic Trigger: 118 dB  
 Sample Rate: 1024  
 Duration: 4.0 Seconds  
 Pre-Trigger: 0.50 Seconds  
 Gain: 2x  
 Voltage: 6.1

Amplitudes and Frequencies	Graph Information
Acoustic: 124 dB, 0.32 Mb @ 56.8 Hz Radial: <b>0.0100 in/sec @ 0.0Hz</b> Vertical: 0.0000 in/sec @ 0.0Hz Transverse: <b>0.0100 in/sec @ 0.0Hz</b> Vector Sum: 0.0100 in/sec	Duration: -0.500 s To: 4.000 s Acoustic Scale: 126 dB Seismic Scale: 0.20 in/sec (0.050 in/sec/div) Time Intervals at: 0.50 s



**Fourier Analysis (Amplitude Spectrum - Box Window)**



**Blast Data**

Machine Did Not Trigger

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