OGMCOAL DNR <ogmcoal@utah.gov>

Fwd: FW: Alton blast report and seismograph from yesterday's shot

Amanda Daniels <amandadaniels@utah.gov> Thu, May 19, 2016 at 10:53 AM
To: OGMCOAL DNR <ogmcoal@utah.gov>

-------- Forwarded message --------
From: **Andrew Christensen** <drew@altoncoal.com>
Date: Thursday, May 19, 2016
Subject: FW: Alton blast report and seismograph from yesterday's shot
To: "amandadaniels@utah.gov" <amandadaniels@utah.gov>, Cheryl Parker <cherylparker@utah.gov>
Cc: Daron Haddock <daronhaddock@utah.gov>, Kirk Nicholes <knicholes@altoncoal.com>

Hi Amanda/Cheryl,

Please see the attached report and seismograph readings from our initial North Private Lease blast. I am still waiting for the video.

Let me know if you see any issues.

Thanks and Regards,

Andrew Christensen - Technical Services Manager

Alton Coal Development

463 N 100 W

Cedar City, Utah 84721

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From: Berendzen, Jacqueline [mailto:JBerendzen@swenergy.com]
Sent: Wednesday, May 18, 2016 4:43 PM
To: Andrew Christensen <drew@altoncoal.com>
Cc: Raddon, Matthew <MRaddon@swenergy.com>; Bronson, Victor <VBronson@swenergy.com>; Cook, Sam <scook2@swenergy.com>; Weidler, Dustin <dweidler@swenergy.com>
Subject: Alton blast report and seismograph from yesterday's shot

Drew,

See attached Blast Report, it should have everything needed per the lady's notes and all the info on the report we submitted for the permit.

Our seismograph on the dam did not trigger. The other one Vic set up did, but the reading was low. I attached that reading for you as well.

Peaks and Frequencies
PPV Maximum: 0.0300 in/sec (0.0342 sec)
Radial: 0.0300 in/sec @ 15.0 Hz (0.3467 sec)
Vertical: 0.0300 in/sec @ 39.3 Hz (0.0342 sec)
Transverse: 0.0250 in/sec @ 7.3 Hz (0.8359 sec)
Acoustic: 116 dBL @ 25.6 Hz (1.2793 sec)

Jacqueline Berendzen
Technical Services Engineer
Southwest Energy, LLC

Cell: (573) 301-9922

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7597 / Virus Database: 4568/12260 - Release Date: 05/19/16

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Amanda Daniels
Utah Division of Oil, Gas and Mining
(801) 538-5262
amandadaniels@utah.gov

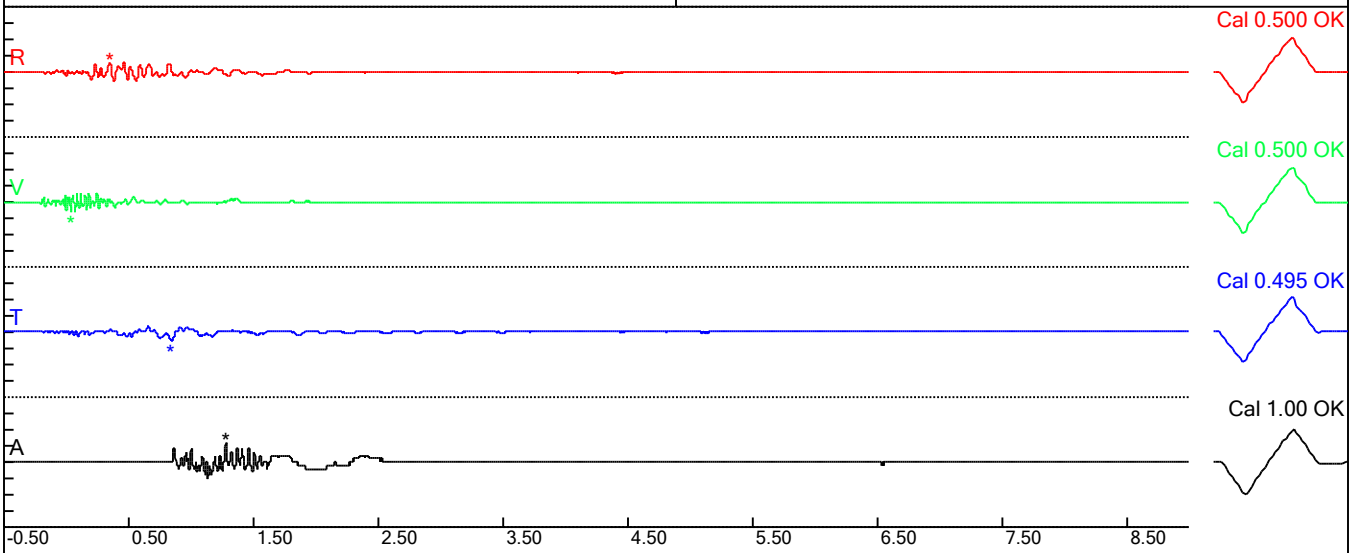
2 attachments

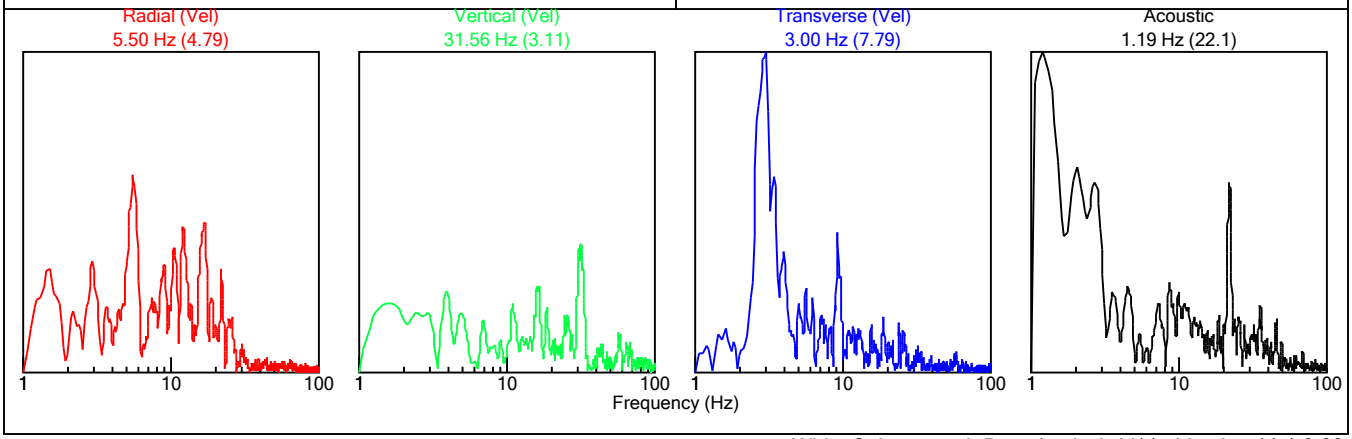
alton seismograph 5-17-16.pdf
55K

Blast Report Alton Coal Shot 1.xlsx
1011K

File: 3763201605170958012.dtb
Number: 012
Date and Time: 5/17/2016 9:58:00 AM
SN: 3763
Seismic Trigger: 0.0250 in/sec
Air Trigger: 142 dBL
Sample Rate: 1024
Duration: 9 Seconds
Pre-Trigger: 0.5 Second
Seismic Range: 2.50 in/s
Acoustic Range: 142 dBL
Gain: 2.0x
Voltage: 6.40

Peaks and Frequencies	Graph Information
PPV Maximum: 0.0300 in/sec (0.0342 sec)	Duration: -0.500 s To: 9.000 s
Radial: 0.0300 in/sec @ 15.0 Hz (0.3467 sec)	Acoustic Scale: 126 dBL
Vertical: 0.0300 in/sec @ 39.3 Hz (0.0342 sec)	Seismic Scale: 0.200 in/sec (0.0500 in/sec/div)
Transverse: 0.0250 in/sec @ 7.3 Hz (0.8359 sec)	Time Intervals: 1.00 sec
Acoustic: 116 dBL @ 25.6 Hz (1.2793 sec)	
Last Calibration Date: 7/18/2014	



Fast Fourier Transform - Amplitude Spectrum

FFT Peak Frequencies	FFT Graph Information
Radial: 5.50 Hz (Amp = 4.79)	Range: 1 to 100 Hz
Vertical: 31.56 Hz (Amp = 3.11)	Acoustic Scale: 22.05
Transverse: 3.00 Hz (Amp = 7.79)	Seismic Scale: 7.79
Acoustic: 1.19 Hz (Amp = 22.05)