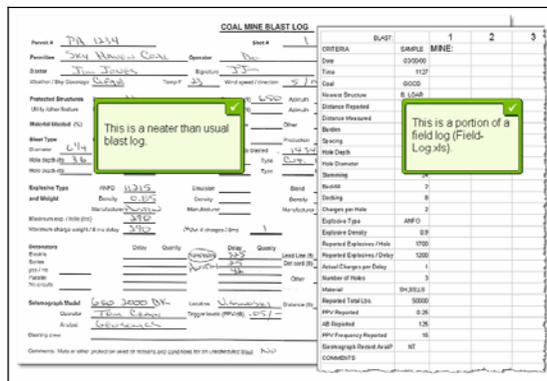


Slide 1

Note: Transferring blast log data to the field log In this demonstration, we will use the field log to gather data from a blast log. Data from the blast log can be entered directly into BLEEP, but use of the field log facilitates data entry. It is usually a straight-forward process: we simply find the needed information in the blast log and write it into the field log. Click Forward in the navigation bar to continue the demonstration.



Slide 2

Note: This is a neater than usual blast log. This is a portion of a field log (Field-Log.xls).

















COAL MINE BLAST LOG				BLAST		
				1	2	3
Project #	DA 1214			CRITERIA	SNIPLE	MINE
Position	204 WINDY COAL			Zone	05000	1/5/00
Operator	DAN			Time	1127	1211
Blaster	DAN			Coal	0000	
Altitude (City Geology)	SLEAD			Blowed Structure	B LOW	Viznoski
Temperature	Temp 23			Distance Reported	2070	650
Wind speed (direction)	W 10			Distance Measured	2000	
Protested Structures	None			Number	24	17
Structure Name	VANDERBILT			RODIN	26	17
Structure (U) Name	None			Side Depth	10	36
Structure (L) Name	None			Side Diameter	13.25	6.25
Structure (U) Size	None			Shooting	24	9
Structure (L) Size	None			Roof	2	2
Structure (U) Depth	None			Drilling	8	
Structure (L) Depth	None			Explosive Type	ANFO	ANFO
Structure (U) Diameter	None			Explosive Density	0.9	0.85
Structure (L) Diameter	None			Reported Explosives / Hole	1000	290
Structure (U) Weight	None			Reported Explosives / Shot	1000	290
Structure (L) Weight	None			Actual Charges per Delay	1	40
Structure (U) Material	None			Material	SHSLS	SS
Structure (L) Material	None			Reported Total Lbs	9000	
Structure (U) Material	None			RFV Reported	0.26	
Structure (L) Material	None			RFV Reported	1.20	
Structure (U) Material	None			RFV Fire quantity Reported	15	
Structure (L) Material	None			Shooting Reported Per Shot	NT	
Structure (U) Material	None			COMMENTS		
Structure (L) Material	None					

Slide 19

Note: We have no way of verifying the Actual Charges per Delay unless we time the detonation of each hole. That is left for a separate exercise. So, we will skip that blank and go directly to Number of Holes. For that value we will enter 40.

COAL MINE BLAST LOG				BLAST		
				1	2	3
Project #	DA 1214			CRITERIA	SNIPLE	MINE
Position	204 WINDY COAL			Zone	05000	1/5/00
Operator	DAN			Time	1127	1211
Blaster	DAN			Coal	0000	
Altitude (City Geology)	SLEAD			Blowed Structure	B LOW	Viznoski
Temperature	Temp 23			Distance Reported	2070	650
Wind speed (direction)	W 10			Distance Measured	2000	
Protested Structures	None			Number	24	17
Structure Name	VANDERBILT			RODIN	26	17
Structure (U) Name	None			Side Depth	10	36
Structure (L) Name	None			Side Diameter	13.25	6.25
Structure (U) Size	None			Shooting	24	9
Structure (L) Size	None			Roof	2	2
Structure (U) Depth	None			Drilling	8	
Structure (L) Depth	None			Explosive Type	ANFO	ANFO
Structure (U) Diameter	None			Explosive Density	0.9	0.85
Structure (L) Diameter	None			Reported Explosives / Hole	1000	290
Structure (U) Weight	None			Reported Explosives / Shot	1000	290
Structure (L) Weight	None			Actual Charges per Delay	1	40
Structure (U) Material	None			Material	SHSLS	SS
Structure (L) Material	None			Reported Total Lbs	9000	
Structure (U) Material	None			RFV Reported	0.26	
Structure (L) Material	None			RFV Reported	1.20	
Structure (U) Material	None			RFV Fire quantity Reported	15	
Structure (L) Material	None			Shooting Reported Per Shot	NT	
Structure (U) Material	None			COMMENTS		
Structure (L) Material	None					

Slide 20

Note: On the blast log, it states that the material blasted was sandstone, so for Material, we will enter "SS," the abbreviation for sandstone.

Slide 21

Note: For Reported Total Pounds (of explosives), we will use 11255 pounds--the total weight of explosives in the blast, as entered on the blast log.

Slide 22

Note: For PPV reported, we will use the largest of the three values reported on the blast log. We will use the longitudinal value of 0.17 in/s.

		BLAST	1	2	3		
Project #	TD	CRITERIA	ENRPL#	MINE	Sky Haven	Time	11:00
Permittee	TD	Date	03000	1/5/00		Time (Min)	13.0
State	ND	Time	1137	1211		East Location (GPS)	63.13, 204
Ultimate / Sky Control		Coal	6000			Coal name	63.13, 204
Protected Structures (ft) / Other Features		Revised Structure	8. USAR	Vissneski		Other	NE
		Distance Reported	2078	650		Scale Distance	3E. 16
Weather Observed (ft)		Distance Measured	2000			Scale Distance	
		Buflen	24	17			
Blow Type		Spacing	26	17			
		Hole Depth	75	36			
Blowener	C 11	Hole Diameter	13.25	6.25		Other	Other
ROD Inch (ft)	3.5	Blowener	24	9		Other	Other
ROD Inch (ft)		Buflen	2	2		Other	Other
Explosive Type and Weight		Drilling	6			Other	Other
		Charges per Hole	2	1		Other	Other
Minimum sep. / Hole		Explosive Type	ANFO	ANFO		Other	Other
		Explosive Density	0.8	0.85		Other	Other
Maximum charge weight		Reported Explosives / Hole	9700	290		Other	Other
		Reported Explosives / Delay	5300	290		Other	Other
Borehole		Actual Charge per Delay	1			Other	Other
		Number of Holes	3	40		Other	Other
Material		Material	SHUSLS	55		Other	Other
		Reported Tons/ft	55000	11255		Other	Other
Seismograph Model		PPV Reported	0.25	0.17		Other	Other
		PPV Frequency Reported	15	17.8		Other	Other
Seismograph Recd. Ampl.		PPV Frequency Reported	15	17.8		Other	Other
		Seismograph Recd. Ampl.	15	17.8		Other	Other
Comments	Made in MS	COMMENTS				Other	Other

Slide 23

Note: For airblast, we will use 132 decibals.

		BLAST	1	2	3		
Project #	TD	CRITERIA	ENRPL#	MINE	Sky Haven	Time	11:00
Permittee	TD	Date	03000	1/5/00		Time (Min)	13.0
State	ND	Time	1137	1211		East Location (GPS)	63.13, 204
Ultimate / Sky Control		Coal	6000			Coal name	63.13, 204
Protected Structures (ft) / Other Features		Revised Structure	8. USAR	Vissneski		Other	NE
		Distance Reported	2078	650		Scale Distance	3E. 16
Weather Observed (ft)		Distance Measured	2000			Scale Distance	
		Buflen	24	17			
Blow Type		Spacing	26	17			
		Hole Depth	75	36			
Blowener	C 11	Hole Diameter	13.25	6.25		Other	Other
ROD Inch (ft)	3.5	Blowener	24	9		Other	Other
ROD Inch (ft)		Buflen	2	2		Other	Other
Explosive Type and Weight		Drilling	6			Other	Other
		Charges per Hole	2	1		Other	Other
Minimum sep. / Hole		Explosive Type	ANFO	ANFO		Other	Other
		Explosive Density	0.8	0.85		Other	Other
Maximum charge weight		Reported Explosives / Hole	9700	290		Other	Other
		Reported Explosives / Delay	5300	290		Other	Other
Borehole		Actual Charge per Delay	1			Other	Other
		Number of Holes	3	40		Other	Other
Material		Material	SHUSLS	55		Other	Other
		Reported Tons/ft	55000	11255		Other	Other
Seismograph Model		PPV Reported	0.25	0.17		Other	Other
		PPV Frequency Reported	15	17.8		Other	Other
Seismograph Recd. Ampl.		PPV Frequency Reported	15	17.8		Other	Other
		Seismograph Recd. Ampl.	15	17.8		Other	Other
Comments	Made in MS	COMMENTS				Other	Other

Slide 24

Note: Since we used the longitudinal value for PPV Reported, we will use the longitudinal value of 17.8 Hz for the PPV Frequency Reported.

		BLAST	1	2	3
Project #	DN	CRITERIA	ENRPL#	MINE:	Sky Haven
Position	224	Date	03000	1/5/00	
State	NY	Time	1137	1211	
Altitude (City Center)		Coal	6000		
Protected Structures (City or Other Features)		Revised Structure	8. USAR	Visnoski	
Mineral (Material #)		Distance Reported	2076	650	
Mineral (Material #)		Distance Measured	2000		
Mineral (Material #)		Burden	24	17	
Mineral (Material #)		Spacing	26	17	
Mineral (Material #)		Hole Depth	75	36	
Mineral (Material #)		Hole Diameter	13.25	6.25	
Mineral (Material #)		Blasting	24	9	
Mineral (Material #)		Blasts	2	2	
Mineral (Material #)		Drilling	6		
Explosive Type and Weight		Charges per Hole	2	1	
Explosive Type		Explosive Type	ANFO	ANFO	
Explosive Density		Explosive Density	0.9	0.85	
Proposed Explosives (Pounds)		Proposed Explosives (Pounds)	9700	290	
Proposed Explosives (Cubic Yards)		Proposed Explosives (Cubic Yards)	5300	290	
Actual Charges per Delay		Actual Charges per Delay	1		
Number of Holes		Number of Holes	3	40	
Material		Material	SHUSLS	55	
Proposed Total (Lbs)		Proposed Total (Lbs)	50000	11255	
PPV Reported		PPV Reported	0.25	0.17	
PSI Reported		PSI Reported	136	192	
PPV Frequency Reported		PPV Frequency Reported	16	17.8	
Seismograph Record Available		Seismograph Record Available	NY	n	
Comments		COMMENTS			

Slide 25

Note: Because we have no seismograph trace, we will put an "n" into the Seismograph Record Available blank. And, we are finished with transferring the values from this field log.

		BLAST	1	2	3
CRITERIA		ENRPL#	MINE:	Sky Haven	
Date	03000	1/5/00			
Time	1137	1211			
Coal	6000				
Revised Structure	8. USAR	Visnoski			
Distance Reported	2076	650			
Distance Measured	2000				
Burden	24	17			
Spacing	26	17			
Hole Depth	75	36			
Hole Diameter	13.25	6.25			
Blasting	24	9			
Blasts	2	2			
Drilling	6				
Charges per Hole	2	1			
Explosive Type	ANFO	ANFO			
Explosive Density	0.9	0.85			
Proposed Explosives (Pounds)	9700	290			
Proposed Explosives (Cubic Yards)	5300	290			
Actual Charges per Delay	1				
Number of Holes	3	40			
Material	SHUSLS	55			
Proposed Total (Lbs)	50000	11255			
PPV Reported	0.25	0.17			
PSI Reported	136	192			
PPV Frequency Reported	16	17.8			
Seismograph Record Available	NY	n			
COMMENTS					

This demonstration has concluded. You can watch it again by clicking the Rewind button in the navigation bar.

Slide 26

Note: This demonstration has concluded. You can watch it again by clicking the Rewind button in the navigation bar.