

MS  
8-6-7

UNITED STATES DEPARTMENT OF LABOR  
MSHA LABORATORIES - MOUNT HOPE, WEST VIRGINIA  
ANALYSIS OF AIR SAMPLES

Mine: UPPER BIG BRANCH MINE SOUTH  
Company: PERFORMANCE COAL COMPANY

Mine ID: 4608436  
Inspector: [REDACTED]

Date(s) Collected: 08/01/2007  
Office: 401

BOTTLE NUMBER	LOCATION IN MINE	CARBON DIOXIDE	OXYGEN	METHANE	ETHANE	CUBIC FEET AIR PER MINUTE	CUBIC FEET METHANE IN 24 HOURS
R6731	2 BRKS INBY SPAD #21174 - L.O.B. MAINS RETURN	0.090	20.84	0.320	0.000	0	0
S0518	2 BRKS INBY SPAD #21174 - L.B.B. MAINS RETURN	0.150	20.83	0.310	0.000	0	0

THE PERCENTAGE OF NITROGEN CAN BE DETERMINED BY SUBTRACTING THE SUM OF THE REPORTED VALUES FROM 100.00

## DAILY COVER SHEET

Date 8-1-07 Event No. 4119153

Arrived at the Mine \_\_\_\_\_ Departed from the Mine \_\_\_\_\_

List Records Books Checked Weekly, Daily

Accompanied By: Company Representative \_\_\_\_\_

Miners Representative NA

## AREAS OF INSPECTION ACTIVITY:

E02 Spot  
methane inspection  
at the #1 Section  
return.

Inspector's Initials \_\_\_\_\_

Supervisor's Initials and Date MS 8/1Page No. 1

U.S. Government Printing Office: 1997 - 508-470

Date 8-1-07

0:755

Start with Bill  
Hawley (Miner)  
Informal Mr. Hawley  
of my intention of  
traveling with the  
weekly examiner  
to conduct a  
1031 Spot inspection  
in the return of the  
#1 section and LBB  
main return  
After examining the  
weekly and daily book  
we entered the mine  
at 0830 am and  
traveled by rail to  
LBB #1 section

Inspector's Initials \_\_\_\_\_

Supervisor's Initials and Date MS 8/1Page No. 2

GPO U.S. GPO: 2008-543-011

Date 8-1-07

Arrived on the  
#1 section and walked  
the return from  
the section out by to  
the main where it enters  
the main LBB  
Return. I traveled  
this area with  
[redacted]  
I stopped  
at the deepest point  
of penetration on the  
LBB main return and  
took methane readings of  
0.35% CH<sub>4</sub> 20.8% O<sub>2</sub>  
took 2 bottle samples.  
walked remainder of  
return to main

Inspector's Initials \_\_\_\_\_

Supervisor's Initials and Date MS 8/1Page No. 3

GPO U.S. GPO: 2008-543-011

Date 8-1-07

anyone found.  
checked periodically  
periodically along  
track for methane.  
none found.

I could not take an  
air quantity or  
measurement when I  
took air samples as  
my oxygen meter malfunctioned

Inspector's Initials \_\_\_\_\_

Supervisor's Initials and Date MS 8/1Page No. 4

U.S. GPO: 2004 - 642 - 912