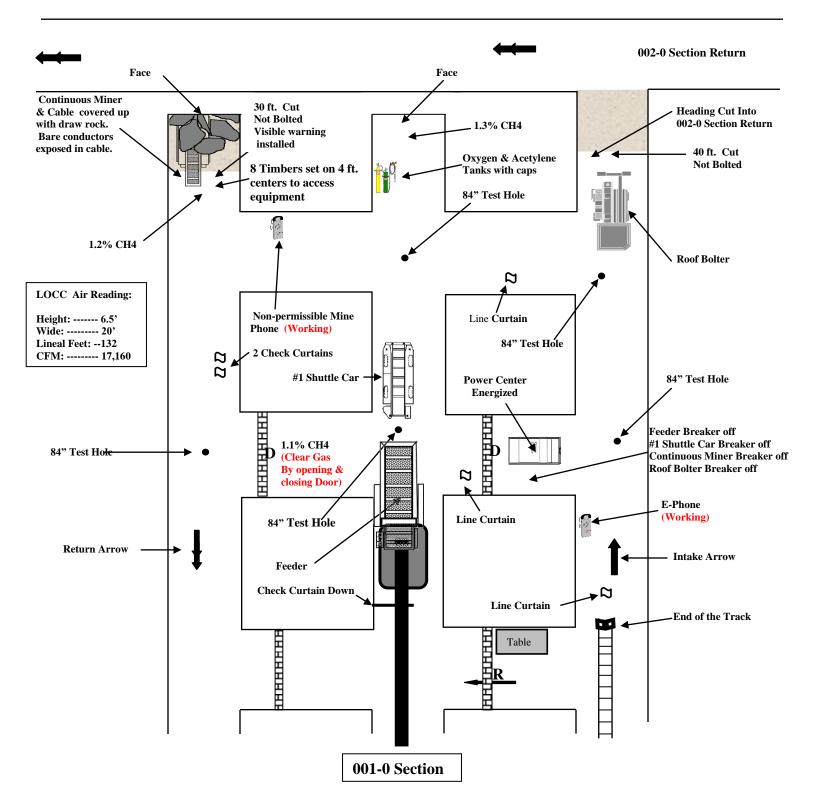


#1 #2 #3



CONTESTANT STATEMENT

My	name	is	 				_ and	this	is
			We	will	be	your	judges	for	the
contest.						-	. •		

You are one of the pre-shift examiners for <u>Hatfield and McCoy Mining Company</u>, Pikeville No. 1 Mine. The mine is a two section mine and has been idle over the weekend. Pump man, Bill Mills, has already started pre-shifting all outby areas, 30 minutes earlier. You are assigned to preshift the 001-0 section. An escort will be provided to transport you to the end of the track on the 001-0 section.

Your examination will begin at the end of the track and include all areas inby this point. The section crew will begin work one hour after your examination is complete. Maintenance Foreman and MET, Jim Brown, will be on duty while you are conducting your examination.

The 001-0 section is in the process of connecting with the 002-0 section return. The 002-0 section has been idled until the connection is completed.

A mine map, ventilation plan, and roof control plan is provided for your use. You will have 5 minutes to review this information prior to starting the clock. Good Luck.

PRE-SHIFT - CERTIFIED EXAMINER'S REPORT

Use Indelible Pencil or Ink				Repor	rt Shall Be Signe	ed When Finished		
Date of Examination:	Time Fr	rom:	AM/PM	To:	AM/PM			
Section/Area:	Reporte	ed Ou	ıtside? Yes No	Time:	AM/PM			
Reported By:	Receive	Received By:			<u>(INITIAL)</u> ZED PERSON)			
	Pre-shift red	quired within 3 hou	ırs bı	ior to any 8 hour interv		ZED I EKSON)		
Location		rdous Condition	- 1	Action Taken				
No. 1 Entry or Face	Bare condu	ctors exposed in		Locked and Tagged Miner Cable				
J	miner cable		00					
No. 1 Face	CH4 1.2% - installed	No line curtain		Ventilated per plan – 0.0% CH4				
No. 1 Face	Timbers se	t on 4 ft. centers		Dangered off				
No. 1 Entry (B cross- cut)	No test hol	e		Dangered off				
A Cross-cut between 1 and 2 Entries	Cross-cut between 1 CH4 1.1%			Ventilated - 0.0% CH4	:			
B Cross-cut between 1 and 2 Entries	Non-permi LOCC	ssible mine phone i	n	Moved				
No. 2 Entry	ain down at Feeder		Installed					
No. 2 Face	No line curtain		Ventilated per plan – 0.0% CH4					
No. 2 Entry	Oxygen & . LOCC	cetylene Tanks inby		Moved or Dangered off				
No. 3 Face	40 ft. cut (e plan)	xceeded roof contro	ol	Dangered off				
No. 3 Face	± ,			Installed check curtain or dangered off				
No. 3 Face	No visible bolted area	warning device for	not	Installed danger tag or warning device				
		Air Meas	urem	ents				
Location		CFM		Location		CFM		
LOCC - "B" x-cut between	17,160 cfm							
entries	10,400 cfm*							
	112,840 cfm**							
	ion Controls ometer turne	not in place d backwards						
Signed by Pre-shift Certified Examiner				Date	Certification	on Number		

LAST OPEN CROSSCUT AIR READINGS

ENTRY WIDTH \rightarrow 20 FEET ENTRY HEIGHT \rightarrow 6.5 FEET

VENTILATION CONTROLS IN-PLACE

Velocity - 132 fpm

 $20 \times 6.5 \times 132 = 17,160 \text{ cfm}$

WITHOUT VENT. CONTROLS IN-PLACE

Velocity - 80 fpm

 $20 \times 6.5 \times 80 = 10,400 \text{ cfm}$

ANEMOMETER TURNED BACKWARDS

Velocity - 868 fpm

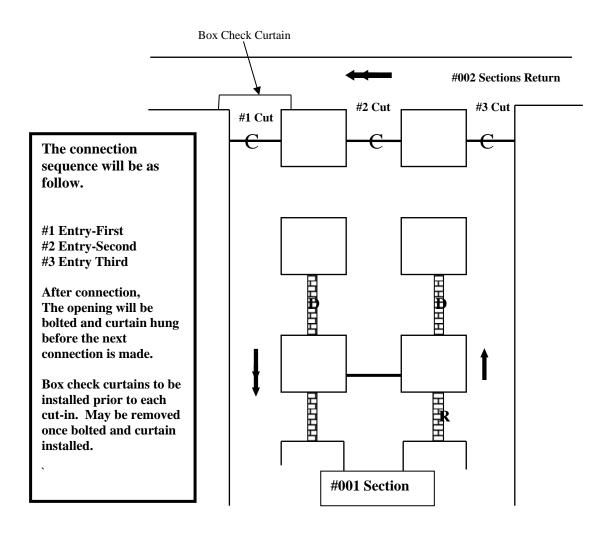
20 X 6.5 X 868 = 112,840 cfm

HATFIELD AND McCOY MINE SAFETY COMPETITION PRE-SHIFT EXAMINER'S CONTEST JULY 15, 2014

Roof Control Plan

- Minimum bolt length 60" resin grouted rebar bolt.
- The roof bolt installation pattern is 4 feet by 4 feet.
- The maximum entry and crosscut widths are 20 feet.
- The maximum cut depth is 30 feet.
- Test holes shall be drilled in all intersections at least 24" deeper than the length of roof bolts used.
- When an unbolted crosscut is present, the preshift examiner may travel inby the crosscut to examine the working places.
- In case of emergency timbers or steel jacks may be set on a maximum of 2′ X 2′ centers in unsupported roof in order to access equipment.

Ventilation Plan for Connection to 002-0 Section Return



- 1. The main mine fan is blowing.
- 2. 15,000 cfm minimum is required in the last open crosscut
- 3. Line Curtains are required to be installed where coal is being cut, mined or loaded
- 4. All headings driven in excess of 20' in depth without a crosscut being connected requires a line curtain to be installed