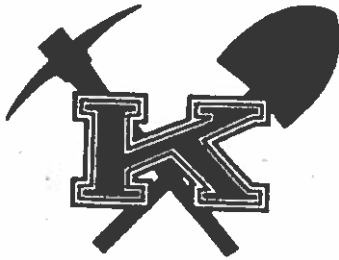


**DMS & MSHA**

Date: 08/21/2014

Time: 7:00 am

*Lexington  
Convention Center*



# *KMI Safety Days*

## **2015 PRE-SHIFT EXAMINERS CONTEST**



**D & R COAL**

**#1 MINE**

# STATEMENT

You are the pre-shift examiner for the D & R Coal No. 1 Mine. It is 5:00 a.m. Monday morning. You are to conduct a pre-shift examination of the #1 unit in the Second West Panel. You are to start your examination at this fire boss station and examine all areas inby this point. All other areas are being examined by other certified people.

The third shift crew has been running early coal since 3:00 a.m. this morning. They are off to a good start and they have been keeping the belts full. The belts are running really good today. On day shift today Slim Jim is supposed stay over and continue timbering in the return & Thurby is staying over to clean on the unit belt as well.

The No.1 entry is the return.

The No.2 entry is the belt entry & is the alternate escapeway.

The No.3 entry is the main intake entry. It is the primary escapeway, and it is also our travelway.

Entries are numbered left to right.

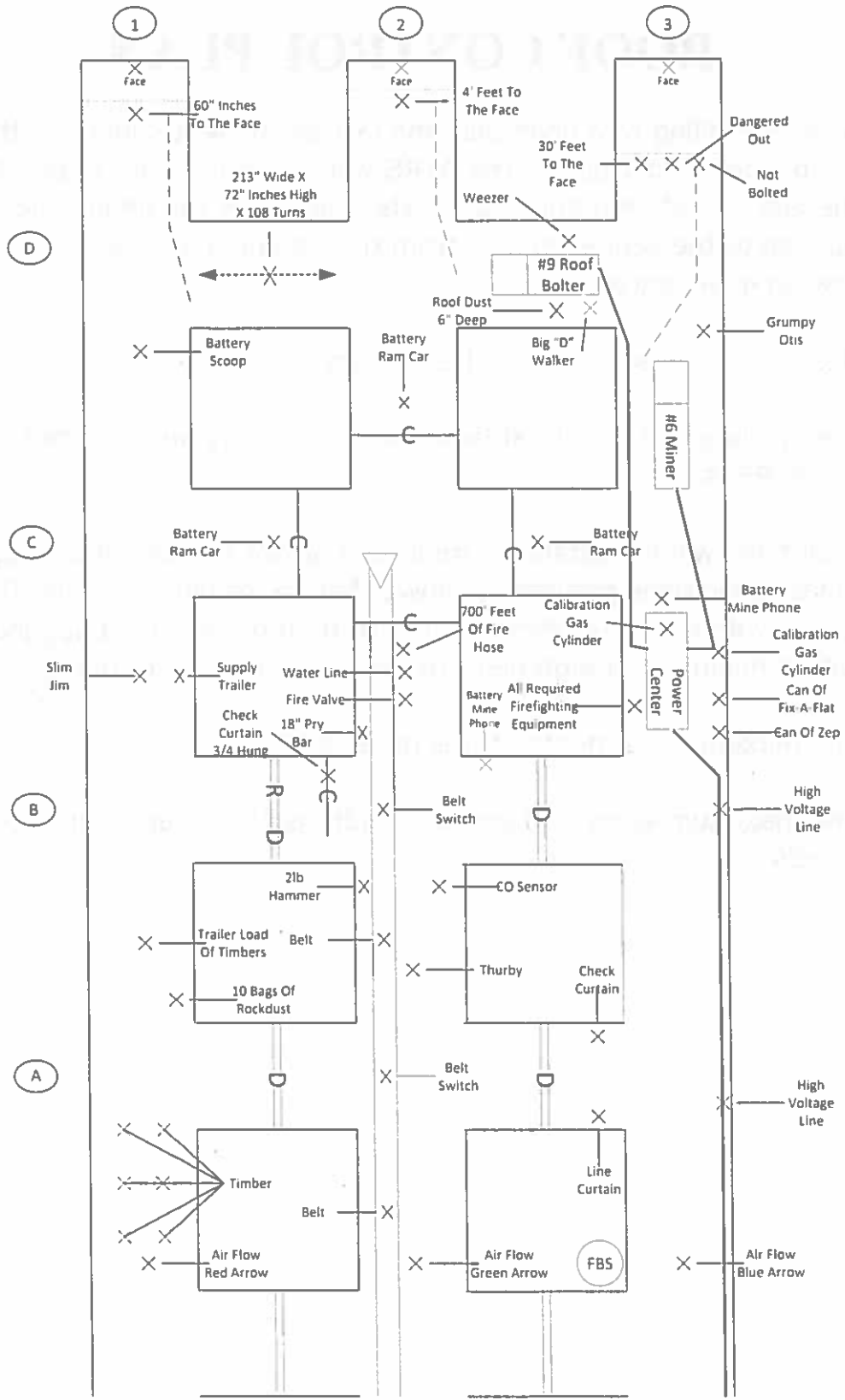
The main fan is exhausting and running.

The 3<sup>rd</sup>. Shift mine foreman who is an M.E.T. will be on the surface while you're underground if you were to need anything.

All check curtains being used at this mine are clear and transparent and all line curtains being used at this mine are white. **NOTE:** (On the field, the check curtains will be the white (**mine rescue**) curtains with orange hooks on both ends, and the line curtains are the **blue ropes** WITHOUT any hooks.)

All violations & hazards shall be corrected if possible, if you are unable to correct it, it shall be indicated by a danger sign shown on index cards & placed on mine floor. Any condition found that does not comply with the 30CFR and the approved plans will be considered as hazardous conditions.

A copy of the approved roof control plan, approved ventilation plan, emergency evacuation and firefighting plan and a blank map are all attached to this statement. Once you start the clock on the field you will have 30 minutes to complete the problem.



2015 KMI Preshift  
Judges Map

# ROOF CONTROL PLAN

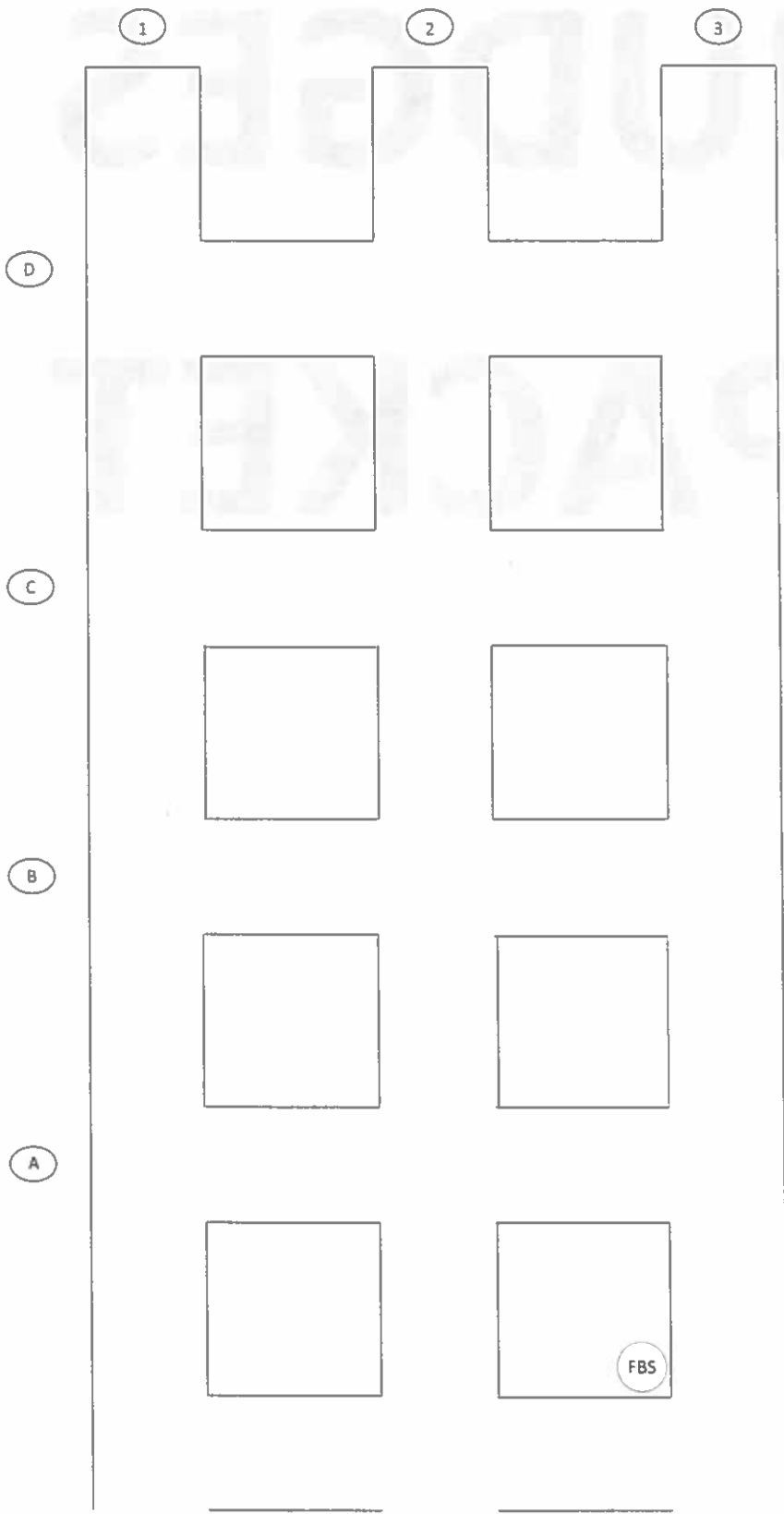
- 1.** When installing roof bolts past the last permanent support with a double boom roof bolter, the ATRS will be set no more than 5 feet past the last row of permanent supports. Roof bolts will be installed from outside to the center on 3.5" from the rib and 4.5" spacing, row by row on 4' advances.
- 2.** Unsupported places will not be cut into.
- 3.** Roof bolters will remain at least two rows outby unsupported roof until the ATRS is set.
- 4.** Roof bolts will be installed a minimum of five (5) feet of the face unless conditions prevent, or power failure, or fan stoppage. If not bolted within four (4) feet of the face then place will be flagged off with a minimum of eighteen (18) inches of reflective tubing.
- 5.** The maximum cut depth of this mine is 30 feet.
- 6.** The maximum entry and crosscut width is 18' in sub-mains and 19' in panels.

# VENTILATION PLAN

1. Back up check curtains: Check curtains including back up and box curtains where mobile equipment is required to travel, inby the dumping point, will be constructed with a minimum of ten feet (10') of transparent curtain.
2. Active MMU's will be using a blowing system for face ventilation and continuous mining method of mining.
3. Equipment shall not be parked underneath check curtains on the working section.
4. Check curtains adjacent to the feeder - When installed in the crosscuts adjacent to the feeder, they will be transparent from bib to rib and installed at least mid-pillar away from the feeder. This curtain will be replaced when visibility through the curtain is hampered by wear.
5. 11,500 CFM in the last open crosscut when there are three (3) open crosscuts to the proposed return stopping line. 9,000 CFM in the last open crosscut when there are two (2) open crosscuts to the proposed return stopping line.
6. Where the continuous miner (CM) is cutting; a minimum of 7,000 CFM will be provided at the inby end of the line curtain before the scrubber starts and will be maintained while the scrubber is running.
7. Where roof bolts are being installed at the face, the line brattice will be maintained to within 5' of the bumper of the roof bolter and a minimum of 3,000 CFM of air maintained at the inby end of the line brattice.
8. Line brattice (wing curtains) shall be maintained to within 20 feet of the face, in all working places that have progressed over 20 feet past the inby rib of the last open crosscut. After the mining cycle and prior to the bolting cycle, the line brattice will be maintained to the 3<sup>rd</sup> row of bolts outby the face. As the roof bolter advances, the line brattice will be maintained to within 5' of the bumper of the roof bolter until the place is bolted. After the place is bolted, the line brattice will be maintained to within 20 feet of the face.
9. While in the production of coal a minimum of 50FPM of air is required on all running belt lines.
10. Roof Bolting Machines - Shall be equipped with an internal dust collecting system such system shall be maintained. Roof dust from the roof bolter collecting system will be deposited in the face area out of the active car haulageways, and removed when the face is cleaned up in the mining cycle.

# **EMERGENCY EVACUATION & FIREFIGHTING PLAN**

- 1.** All persons shall be trained in the deployment, use and maintenance of refuge alternatives as described in the approved Emergency Response Plan required by 30 CFR 75.1507 & 75.1508.
- 2.** PRIMARY ESCAPEWAY – The primary escapeway is located in the isolated intake air course, the #3 entry, which will typically be on the right side of the belt entry. Blue reflectors and directional lifelines also with blue reflectors will identify the primary escapeway. The life line will be hung from the roof.
- 3.** SECONDARY ESCAPEWAY – The secondary escapeway is located is located in the belt entry, which is the #2 entry. Green reflectors and directional lifeline with green reflectors will identify the secondary escapeway. The lifeline will be hung from the roof.
- 4.** At least one mantrip equipped with two one hour SCSR's per miner will be on the section, at all times personnel are on the sections.
- 5.** Each person entering the mine will be provided with an approved one hour SCSR (CSE SR LD, Draeger Oxy K Plus, Ocenco EBA 6.5) or an Ocenco M-20.
- 6.** Firefighting equipment will be stored outside in the warehouse, located near the entrance of the mine with first aid equipment along with foam and firefighting equipment.
- 7.** The R & D Underground Mine will utilize the prefabricated, self-contained Strata Fresh Air Bay 30 Man Refuge Chambers.
- 8.** The Strata Fresh Air Bay has a thirty (30) man capacity and will be located within 1,000 feet of the nearest face on the section.



2015 KMI Preshift  
Contestant's Map

# JUDGES

# PACKET



**Width**

**213" Inches**

**Height**

**72" Inches**

**If Check Curtain**

**IS NOT**

**Removed By**

**Regulator**

**25 FPM**

**If Check Curtain  
IS Removed By  
Regulator**

**60 FPM**

# If Anemometer Is Backwards

412

# If Anemometer Is Turned Correct

108

# 2015 KMI PRE-SHIFT EXAMINATION CONTEST JUDGES DISCOUNT SHEET

CONTESTANT's NAME: \_\_\_\_\_

WORKING  
TIME \_\_\_\_\_

CONTESTANT'S  
WORKING NUMBER \_\_\_\_\_

## REQUIRED EQUIPMENT

**TWO POINT DISCOUNT FOR EACH OMITTED ITEM RULE #2**  
**MARK AN (X) IF APPLICABLE                      \*DENOTES DISCOUNT**

SAFETY CAP	_____	SAFETY BOOTS	_____
MINING BELT W/I.D. TAG	_____	CHECK IN TAG	_____
CAP LIGHT	_____	SCSR	_____
ANEMOMETER	_____	WATCH OR EQUIVALENT	_____
GAS DETECTOR	_____	DEVICE FOR TESTING ROOF	_____
MEASURING DEVICE	_____	BLANK INDEX CARDS	_____

## FIREBOSS STATION

		YES	NO	RULE	DISCOUNT
#1	Did Contestant Start The Clock Within Two Minutes?	_____	_____	* 1	2
#2	Did Contestant Check In?	_____	_____	* 1	2
#3	Did Contestant Check SCSR?	_____	_____	* 3	2
#4	Did Contestant Have All Required Equipment?	_____	_____	* 2	2 (ea)
#5	Was Contestant's Equipment Maintained In Operable Condition?	_____	_____	* 14	2
#6	Did Contestant Check Out?	_____	_____	* 1	2

## #1 ENTRY & 1 RIGHT

		YES	NO	RULE	DISCOUNT
#1	Did Contestant Verbally Identify Roof & Rib Exam In Entry?	_____	_____*	10	2
#2	Did Contestant Find Check Curtain In 1 Right At X-cut A Blocking Regulator?	_____	_____*	11	10
#4	Did Contestant Remove Check Curtain Blocking Regulator In 1 Right At X-cut A?	_____	_____*	12	10
#5	Did Contestant Find Check Curtain Too Close To The Feeder In 1 Right At X-cut C?	_____	_____*	11	10
#6	Did Contestant Move Check Curtain That Is Too Close To Feeder In 1 Right At X-cut C?	_____	_____*	12	10
#7	Did Contestant Find No Flagging At 60" To Face Of #1 Entry?	_____	_____*	11	10
#8	Did Contestant Danger Out Or Flag Out At No Flagging At The 60" To The Face Of #1 Entry?	_____	_____*	12	10
#9	Did Contestant DTI At #1 Face?	_____	_____*	4	2
#10	Did Contestant Make The Required Gas Test At #1 Face?	_____	_____*	5	5
#11	Did Contestant Make Proper Gas Test At #1 Face? (The contestant must verbally identify each test.)	_____	_____*	6	2

## #2 ENTRY & 2 RIGHT

	YES	NO	RULE	DISCOUNT
#1 Did Contestant Verbally Identify Roof & Rib Exam In Entry?	_____	_____*	10	2
#2 Did Contestant Check For The Proper Direction Of Air Flow On The Belt Line?	_____	_____*	7	10
#3 Did Contestant Check For Correct Volume Of Air Flow On The Belt Line?	_____	_____*	7	10
#4 Did Contestant Recheck Air Flow After Curtain At Regulator Was Removed?	_____	_____*	12	10
#5 Did Contestant Find Walkway Too Narrow On The Left Side Of The Belt Line? (18" inches)	_____	_____*	11	10
#6 Did Contestant Danger Out Walkway Too Narrow On The Left Side Of The Belt Line?	_____	_____*	12	10
#7 Did Contestant Find No Life Line In The Secondary Escapeway?	_____	_____*	11	10
#8 Did Contestant Danger Out No Life Line In The Secondary Escapeway?	_____	_____*	12	10
#9 Did Contestant Take Gas Test In The Secondary Escapeway?	_____	_____*	5	5
#10 Did Contestant Take Proper Gas Test In The Secondary Escapeway?	_____	_____*	6	4
#11 Did Contestant Find 6" Of Roof Dust In #2 Entry At X-cut D?	_____	_____*	11	10
#12 Did Contestant Danger Out 6" Of Roof Dust In #2 Right At X-cut D?	_____	_____*	12	10
#13 Did Contestant DTI At #2 Face?	_____	_____*	4	2
#14 Did Contestant Make The Required Gas Test At #1 Face?	_____	_____*	5	5
#15 Did Contestant Take Proper Gas Test At #2 Face?	_____	_____*	6	2 (ea)



### #3 ENTRY

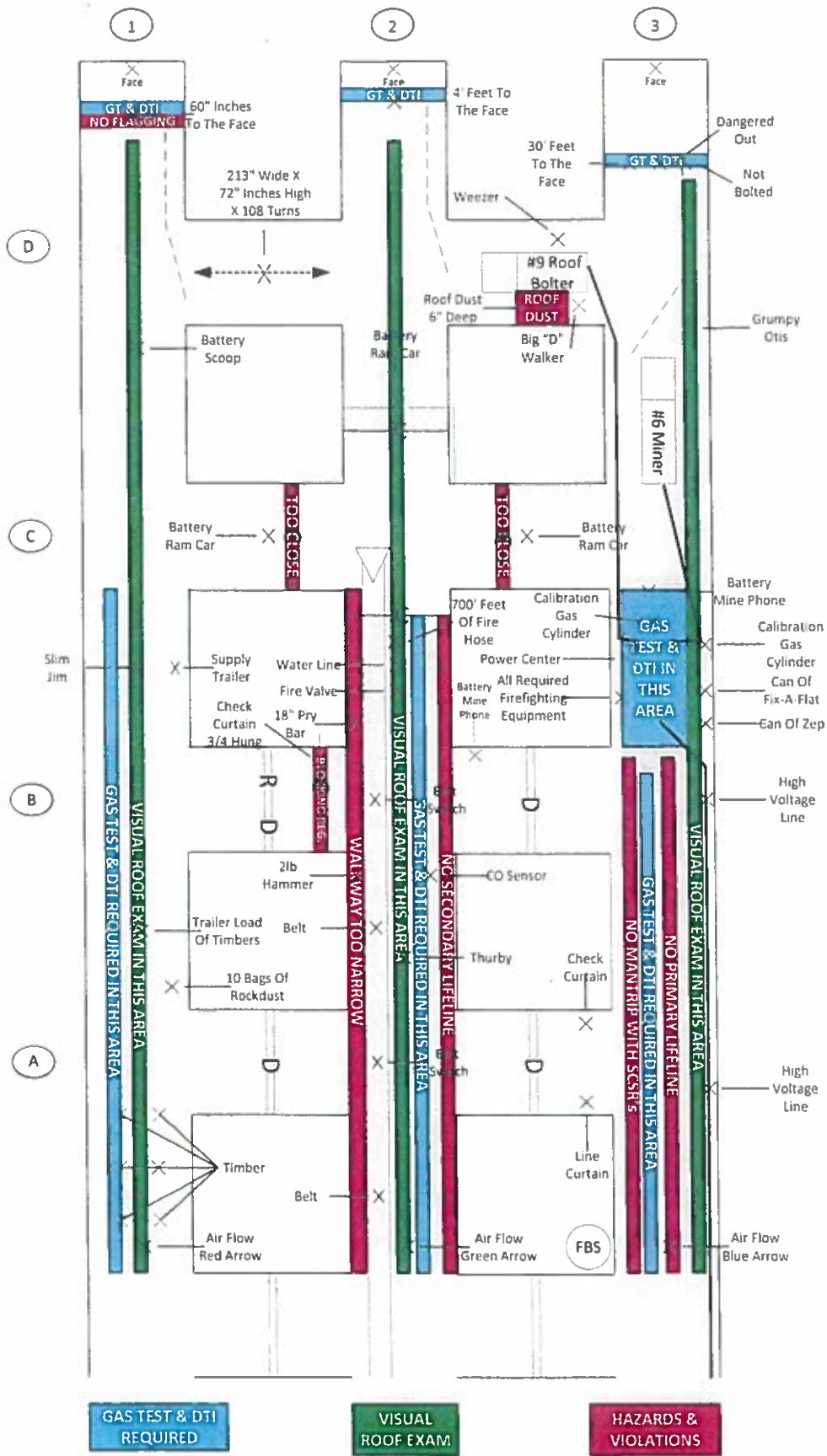
		YES	NO	RULE	DISCOUNT
#1	Did Contestant Verbally Identify Roof & Rib Exam In Entry?	_____	_____*	10	2
#2	Did Contestant Find No Life Line In The Primary Escapeway?	_____	_____*	11	10
#3	Did Contestant Danger Out No Life Line In The Primary Escapeway?	_____	_____*	12	10
#4	Did Contestant Find No Mantrip With SCSR's?	_____	_____*	11	10
#5	Did Contestant Find Calibration Gas Cylinder On Power Center?	_____	_____*	11	10
#6	Did Contestant Remove The Calibration Cylinder From Power Center?	_____	_____*	12	10
#7	Did Contestant DTI Power Center?	_____	_____*	4	2
#8	Did Contestant Take A Gas Test At Power Center?	_____	_____*	5	5
#9	Did Contestant Take Proper Gas Test At Power Center?	_____	_____*	6	2 (ea)
#10	Did Contestant DTI At Last Row Of Bolts In #3 Face?	_____	_____*	4	2
#11	Did Contestant Take Gas Test At Last Row Of Bolts In #3 Face?	_____	_____	5	5
#12	Did Contestant Take Proper Gas Test At Last Row Of Bolts In #3 Face?	_____	_____*	6	2 (ea)
#13	Did Contestant Enter Unspported Area Of #3 Face.	_____	_____*	16	20

## LOCC

		YES	NO	RULE	DISCOUNT
#1	Did Contestant Take Air Reading?	_____	_____*	7	10
#2	Did Contestant Take Proper Air Reading?	_____	_____*	8	2
#3	Did Contestant Take Air Reading In Proper Location?	_____	_____*	9	5

## GENERAL RULES

		YES	NO	RULE	DISCOUNT
#1	Did Contestant Run?	_____*	_____	13	5
#2	Did Contestant Examine All Accessible Areas?	_____	_____*	18	5 (ea)
#3	Did Contestant With General Rules Not Covered In The Discount Sheet? Example; Walking Through Stoppings, ECT.	_____	_____*	19	2



2015 KMI Preshift  
Judges Map



# DMS & MSHA

COAL  
FATALS AS OF  
08-10-2015

Rick Kline  
1-28-2015—UG

Todd Trimble  
2-20-2015—UG

John Garloch  
3-8-2015—UG

David Brummitte  
3-16-2015—UG

Von Bower  
3-17-2015—SU

Roy Mullins  
5-28-2015—SU

Glen Campbell  
5-31-2015—UG

John Kelly  
6-28-2015—UG

*Judge*

*On the behalf of the participants of this contest  
THANK YOU for taking time to judge each and  
every one fairly.*

*FIELD:* \_\_\_\_\_

*JUDGE:* \_\_\_\_\_

*JUDGE:* \_\_\_\_\_

*The memory of an accident that causes death,  
haunts everyone and leaves the victim speechless.*

*Examinations are only as good as the  
EXAMINER'S CONSCIENCE.*

*PRO-ACTIVE = PROPER PRESHIFT  
EXAMINATIONS!!*

*PRAY FOR OUR MINERS, THEIR FAMILIES &  
THE FAMILIES OF THOSE THAT HAVE  
FALLEN!!*

**Chief Judges**

**.Danny Hendrix**

**.Rodney James**

**FALLEN COAL MINERS**

**YOUR LIGHT STILL SHINES**

