

# 2017 KMI



## PRESHIFT CONTEST

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You are the Pre-shift Examiner for the Rupp Big Blue #1 Coal Mine. It is 5:00am Monday morning. You are to examine the 3<sup>RD</sup> West Panel #1. The #4 unit finished this panel Friday night and we moved the unit to the 4<sup>TH</sup> West Panel #1 to start mining today. That area is being examined by other certified examiners.

Per the third shift mine foreman's request we are sending a crew to the 3<sup>RD</sup> West Panel #1 to clean up, rockdust, & finish reclaiming.

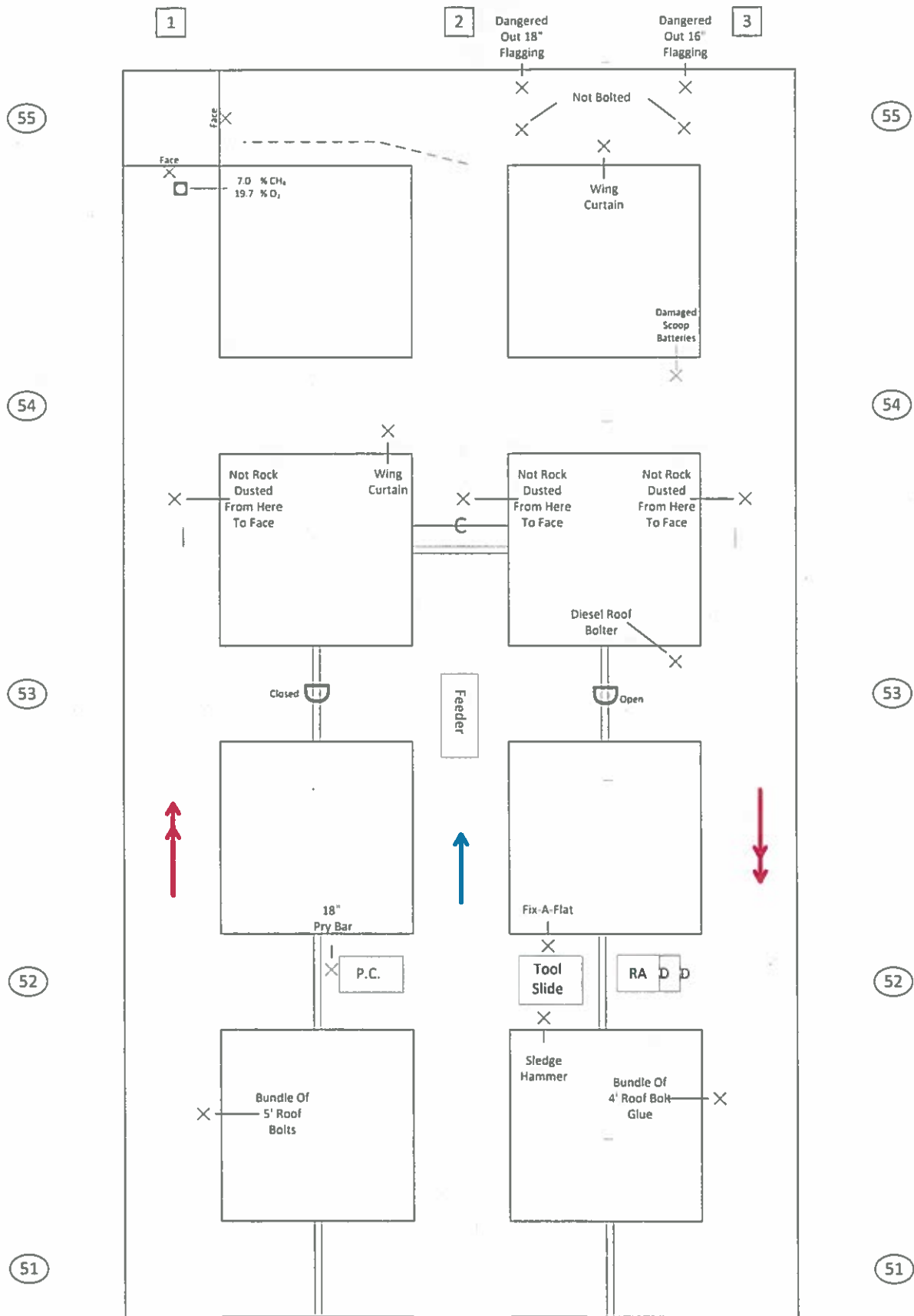
The entries are numbered left to right.

The mine is being ventilated with an exhausting fan. The power is on underground and must remain on if it is safe to do so, but the power was removed from the 3<sup>RD</sup> West Panel #1 over the weekend.

The maintenance foreman will be here in the warehouse ordering parts. He is a certified electrician, an MET, and he will be the acting RP if you should need him.

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

Once you arrive at the field you will have two minutes to prepare then you must start the clock. Once you start the clock you will have 30 minutes to complete the examination.



## 2017 KMI PRESIFT CONTEST PROBLEM MAP

# ROOF CONTROL PLAN

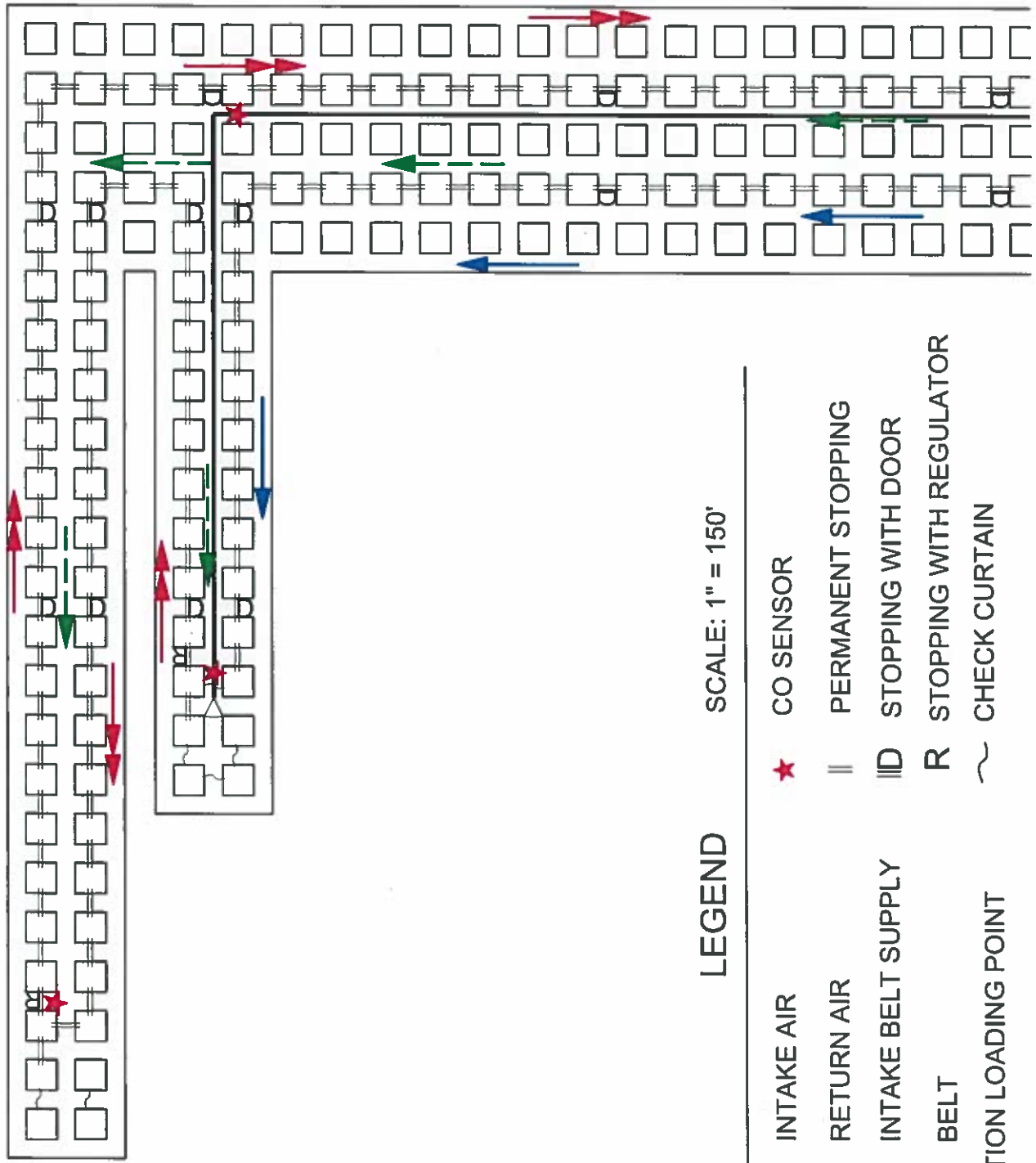
1. A minimum length of 72" resin bolt is being used at this mine.
2. Roof bolts shall be installed on 4 X 4 centers to within 5' of the faces.
3. Within 24 hours after cutting a place it will have permanent roof support installed unless there is a power or equipment failure, the area involved shall be dangered off.
4. Maximum cut depth is 20'.
5. Maximum entry & crosscut widths are 19' wide.
6. When unsupported roof is created in any area, a minimum of eighteen (18) inches of (red/orange) flagging will be used, to mark the last row of bolts.

# **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. Green reflectors and directional lifelines also with green reflectors will identify the primary escapeway. The life line will be hung from the roof.
3. SECONDARY ESCAPEWAY – The secondary escapeway is located in the #2 entry. Yellow reflectors and directional lifeline with yellow 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.

# VENTILATION PLAN

1. Line curtains are required to be installed to within 5' of the face or to the next to the last complete row of permanent roof support.
2. 6,500 CFM of quantity required when coal is being mined cut or loaded.
3. 12,000 CFM of air shall be maintained in the last open crosscut on the working sections at all times.
4. Permanent stoppings shall be maintained up to and including the third 3<sup>rd</sup> crosscut outby the face on the return side and up to the tailpiece on the intake side.
5. When reclaiming equipment the communication and tracking systems will be maintained up to the work area if it is ventilated with intake air.
6. The CO sensor is to remain until supply road air is removed.
7. For ventilation purposes all cross-cuts and entries must be squared off and flush, in all worked out areas.



# LEGEND

SCALE: 1" = 150'

- |  |                       |  |                         |
|--|-----------------------|--|-------------------------|
|  | INTAKE AIR            |  | CO SENSOR               |
|  | RETURN AIR            |  | PERMANENT STOPPING      |
|  | INTAKE BELT SUPPLY    |  | STOPPING WITH DOOR      |
|  | BELT                  |  | STOPPING WITH REGULATOR |
|  | SECTION LOADING POINT |  | CHECK CURTAIN           |





1

2

3

55

55

54

54

53

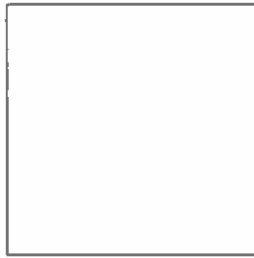
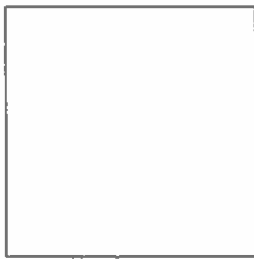
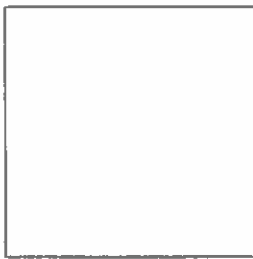
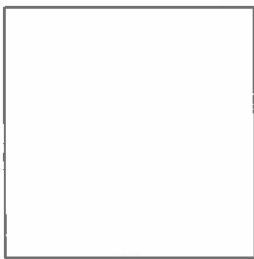
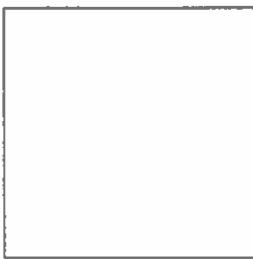
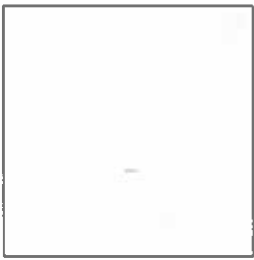
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51

51



2017 KMI PRESIFT CONTEST  
CONTESTANTS MAP

**19 FEET**

**WIDE**

**X**

**5 FEET**

**HIGH**

# VELOCITY

## 50 FPM

# 2017 K.M.I. PRE-SHIFT Judges Discount Sheet

CONTESTANT NO. \_\_\_\_\_  
NAME \_\_\_\_\_

DISCOUNTS FROM OUTSIDE PAGE	
DISCOUNTS FROM 1 & 1 RIGHT PAGE	
DISCOUNTS FROM 2, 2 LEFT & 2 RIGHT PAGE	
DISCOUNTS FROM 3 PAGE	
DISCOUNTS FROM POWER CENTER PAGE	
TOTAL POINTS DISCOUNTED	
CONTESTANTS TOTAL FIELD SCORE	
CONTESTANTS FIELD TIME	

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

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

REVIEWED BY

NAME: \_\_\_\_\_

NAME: \_\_\_\_\_

<b>OUTSIDE</b>	<b>YES</b>	<b>NO</b>	<b>RULE #</b>
CHECK IN		-2	# 1
SCSR CHECK		-2	# 3
GAS DETECTOR(S) CHECK		-2	# 19
REQUIRED EQUIPMENT		-2 ea	# 2
REQUIRED EQUIPMENT MAINTAINED		-2	# 14
CHECK OUT		-2	# 1
<b>TOTAL DISCOUNTS GIVEN</b>			
<b>GENERAL RULES</b>			
DID CONTESTANT RUN	-5		# 13
DID CONTESTANT EXAM ALL ACCESSIBLE AREAS		-5 ea	# 18
DID CONTESTANT COMPLY WITH GENERAL RULES			
NOT COVERED IN THE DISCOUNT SHEET		-2	# 19
ENDANGER SELF BY ENTERING UNBOLTED AREA	-20		# 16-C
ENDANGER SELF BY MOVING 7.0% CH4 OVER			
SCOOP BATTERIES	-30		# 15-A
<b>TOTAL DISCOUNTS GIVEN</b>			

[illegible]

# 2 ENTRY, 2 LEFT & 2 RIGHT	YES	NO	RULE #
VERBALIZE VISUAL ROOF EXAM IN ENTRY		-2	#10
MAKE REQUIRED GAS TEST IN ENTRY		-5	# 5-C
TAKE PROPER GAS TEST IN ENTRY		-2 ea	# 6
DTI IN ENTRY WHERE GAS TEST WAS MADE		-2	# 4
FIND NO COMMUNICATION (PHONE)		-10	# 11
DANGER OUT NO COMMUNICATION		-10	# 12
FIND NO TRACKING		-10	# 11
DANGER OUT NO TRACKING		-10	# 12
FIND DOOR OPEN		-10	# 11
CLOSE OPEN DOOR		-10	# 12
FIND NO REGULATOR		-10	# 11
USE SLEDGE HAMMER TO MAKE REGULATOR		-10	# 12
CHECK FOR PROPER AIR FLOW AT REGULATOR		-10	# 7
FIND NO CO SENSOR AT REGULATOR		-10	# 11
DANGER OUT NO SENSOR AT REGULATOR		-10	# 12
FIND NOT ROCK DUSTED TO FACE AREA		-10	# 11
DANGER OUT NOT ROCK DUSTED TO FACE AREA		-10	# 12
FIND NO CHECK CURTAIN IN 2 RIGHT AT X-CUT 54		-10	# 11
HANG CHECK CURTAIN IN 2 RIGHT		-10	# 12
FIND FACE AREA NOT CUT PER PLANS		-10	# 11
DANGER OUT FACE AREA NOT CUT PER PLANS		-10	# 12
MAKE REQUIRED GT AT FACE AREA		-5	# 5-C
TAKE PROPER GT AT FACE AREA		-2 ea	# 6
FIND 2 RIGHT AT X-CUT 55 NOT BOLTED OVER 24hrs		-10	# 11
DANGER OUT 2 RIGHT NOT BOLTED		-10	# 12
TOTAL DISCOUNTS GIVEN			

<b>#3 ENTRY</b>	<b>YES</b>	<b>NO</b>	<b>RULE #</b>
VERBALIZE VISUAL ROOF EXAM IN ENTRY		-2	# 10
GAS TEST IN ENTRY		-5	# 5-A
TAKE PROPER GAS TEST IN ENTRY		-2 ea	# 6
DTI IN ENTRY WHERE GAS TEST WAS MADE		-2	# 4
FIND NOT ROCK DUSTED TO FACE AREA		-10	# 11
DANGER OUT NOT ROCK DUSTED TO FACE AREA		-10	# 12
FIND 3 LEFT FLAGGING NOT 18"		-10	# 11
DANGER OUT 3 LEFT FLAGGING NOT 18"		-10	# 12
DETERMINE CORRECT SECTION VENTILATION		-10	# 7
(THIS MAY BE DONE ANYWHERE IN L.O.C.C.)			
<b>TOTAL DISCOUNTS GIVEN</b>			



# 2017 K.M.I. EXAMINERS PRE-SHIFT REPORT PAGE

DATE OF EXAMINATION		(-2) 8/24/2017		SECTION OR AREA EXAMINED		(-2) 3rd West Panel #1		
TIME OF EXAMINATION		FROM:	(-2) '00:00		A.M. P.M.	TO:	(-2) '00:00 A.M. P.M.	
					TOTAL = _____			
LOCATION	CH4	O2	VIOLATION OR HAZARDOUS CONDITION			ACTION TAKEN		
(-2) #1 FACE	(-2) 7.0%	19.7%	(-2) NO WING CURTAIN			(-2) HUNG CUTRAIN		
(-2) #1 FACE	(-2) '0.0%	20.90%	(-2) NOT CUT PER PLAN			(-2) DANGERED OUT		
(-2) #1 ENTRY	(-2) 0.0%	20.9%	(-2) NO ROCKDUST FROM X-CUT 54 TO FACE			(-2) DANGERED OUT		
(-2) #2 LEFT	(-2) 0.0%	20.9%	(-2) X-CUT 55 NOT CUT PER PLAN			(-2) DANGERED OUT		
(-2) #2 RIGHT			(-2) X-CUT 55 NOT BOLTED WITHIN 24hrs			(-2) DANGERED OUT		
(-2) #2 RIGHT			(-2) NO CHECK CURTAIN			(-2) HUNG CURTAIN		
(-2) #2 ENTRY	(-2) 0.0%	20.9%	(-2) NO ROCKDUST FROM X-CUT 54 TO FACE			(-2) DANGERED OUT		
(-2) #2 RIGHT			(-2) X-CUT 53 MAN DOOR OPEN			(-2) CLOSED DOOR		
(-2) #2 RIGHT			(-2) X-CUT 53 NO REGULATOR			(-2) MADE REGULATOR		
(-2) #2 RIGHT			(-2) X-CUT 53 NO CO SENSOR			(-2) DANGERED OUT		
(-2) #2 ENTRY			(-2) NO COMMUNICATION			(-2) DANGERED OUT		
(-2) #2 ENTRY			(-2) NO TRACKING			(-2) DANGERED OUT		
(-2) #3 ENTRY	(-2) 0.0%	20.9%	(-2) X-CUT 55 FLAGGING TOO SHORT			(-2) DANGERED OUT		
(-2) #3 ENTRY			(-2) NO ROCKDUST FROM X-CUT 54 TO FACE			(-2) DANGERED OUT		
TOTAL=		Total=	TOTAL =			TOTAL =		
AIR MEASUREMENTS (MUST BE CORRECT)								
LOCATION		CFM		LOCATION		CFM		
					Total= _____			
REMARKS								
					TOTAL = _____			
(-2) Wanna B Examiner		(-2) 8/24/2017		(-1) A-00-17				
SIGNED BY THE CERTIFIED EXAMINER		DATE		CERTIFICATION NUMBER				
					TOTAL = _____			
					CONTESTANT'S TOTAL DISCOUNT = _____			
JUDGE:				JUDGE:				

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

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

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

TIME KEEPER: \_\_\_\_\_

NOTES: \_\_\_\_\_

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