

2015 Post #5 Pre-Shift Contests

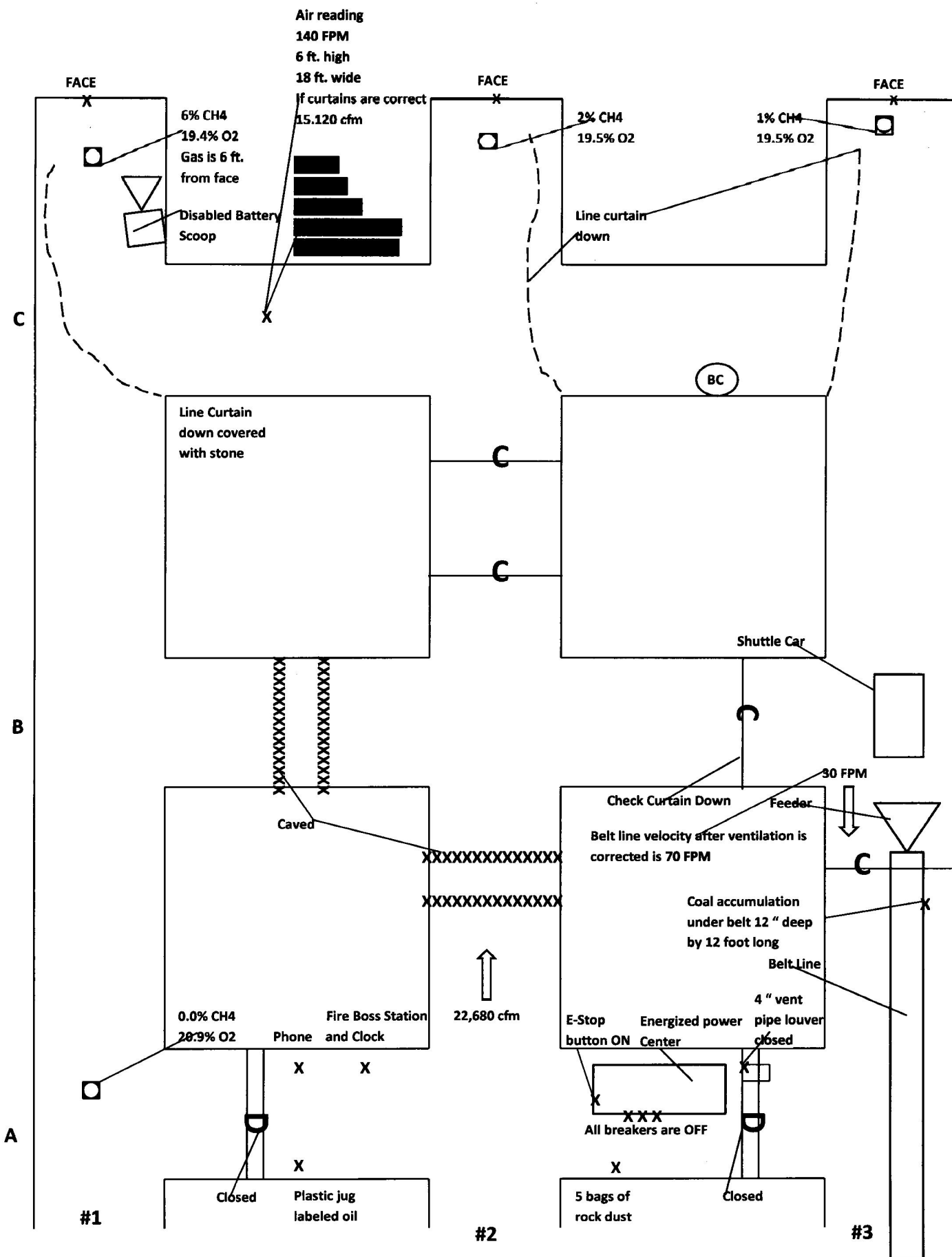
August 13, 2015

Roof Control Plan

- **Minimum roof support length – 96 inches**
- **Roof support installation – 4 feet x 4 feet**
- **Maximum entry width – 18 feet**
- **67 feet diagonal intersection measurement**
- **Maximum cut depth – 20 feet**
- **Danger signs and/or physical barriers shall be placed to prevent entry into unsafe or unsupported areas**
- **Pillar size – 80 feet x 80 feet**
- **Mining height averages 6 feet**

Ventilation Plan

- **Map Not to scale**
- **Exhaust ventilation**
- **Belt air is ventilated outby into section belt regulator**
- **Permanent stoppings cannot be walked through unless doors or accessible openings are present at these locations**
- **Permanent stoppings shall be maintained up to and including the third connecting crosscut**
- **CO sensors must be within 100 feet down wind of electrical installations**
- **The section's refuge chamber must remain within 1000 feet of the working face**
- **Face line curtains must be properly installed to dilute and render harmless any gas accumulation which may occur. They must be adequately hung tight to rib and roof and within 5 feet of face or unsupported area**
- **Power Center must be vented to the belt line**
- **No ventilation changes can be made until the entire section has been examined**
- **1 air reading and 1 velocity reading are required:**
 - 1) Velocity of airflow on belt (minimum 70 fpm velocity)**
 - 2) Last open crosscut (minimum 15,000 cfm)**



PRESHIFT-CERTIFICATION EXAMINER'S REPORT

Date of Examination _____

Section/Area: 6A tailgate section

Reported By: _____

Time From: _____ AM PM To: _____ AM PM

Reported Outside? Yes ___ No ___ Time: _____ AM PM

Received By: _____

Pre-Shift required within 3 hours prior to any 8 hour interval

Location	Hazardous Condition	Action Taken	CH4	O2
#1B x-cut toward #2	Caved/ no danger signs	Danger off	0.0%	20.9%
#1C intersection	Face line curtain down	Hung face line curtain	0.0%	20.9%
#1 face 6 feet back	6% CH4 / 19.4%	Knocked power on section/Re-establish ventilation By hanging curtain/ Re- checked for gas after vent	0.0%	20.9%
# 1 to # 2 C-line LOB	less than 9,000 CFM In LOB	Hung curtain in B-line re-established section	0.0%	20.9%
#2 entry between A-line & B-line	Caved/ no danger signs	Danger off	0.0%	20.9%
#2 entry A-line	Vent pipe close for power Center	Opened vent pipe established air flow	0.0%	20.9%
#2 entry x-cut #2 to # 1 B-line	Caved/ no danger signs	Danger off	0.0%	20.9%
#2 entry x-cut #2 to # 1 B-line	Air short circuiting to # 1	Hung check curtain re-directed air	0.0%	20.9%
# 2 entry C-line to face	face line curtain down / CH 4 2.0 % at face	Hung face line curtain to face / knocked section power/established air flow to face/ re-test for methane	0.0%	20.9%
# 3 entry at belt tail	Accumulations of coal 12" deep X 12 ft. long	Danger off/ DTI	0.0%	20.9%
#3 entry outby B-line	Belt line velocity 30 FPM	Hung curtain to reestablish section Re-checked air flow and found 70 fpm For required minimum velocity	0.0%	20.9%
# 3 entry C-line to face	face line curtain down / CH 4 2.0 % at face	Hung face line curtain to face / knocked section power/established air flow to face/ re-test for methane	0.0%	20.9%
Air Measurements				

Location	CFM	CH4	O2	Location	CFM	CH4	O2
LOB #1 to #2 C-line	15, 120cfm	0.0%	20.9%	# 3 entry belt entry tail area	70 fpm velocity	0.0%	20.9
Power center A-line #1 to #2 air movement	0.0%	20.9%					

Remarks: All areas of this section: travel ways, faces, belt transfer and belt and electrical installations were found free of dangerous conditions other than those noted above. The air is traveling in its proper course and normal volume.

Signed by Certified Pre Shift Examiner _____ Date _____ Certification _____

Countersigned by Mine Foreman _____ Date _____ Certification _____

2015 Post #5 Pre-Shift Contest

August 13, 2015

Contestant Statement

Hello I am the acting shift foreman. First off, I'd like to thank you for coming out early to help us. You are requested to perform a pre-shift examination of the 6A Tailgate section.

The section is set up as follows:

#1 Entry – return entry

#2 Entry – intake entry

#3 Entry – belt entry vented to the return

Unfortunately on 6A Tailgate section there is a section foreman trainee who is acting as the section foreman for the first time by himself. Mike was unsure as to what condition he needed to leave the section over the weekend. With his crew's help, they did the best they could in the short time they had at the end of the shift.

Do what you can to make the 6A Tailgate section ready to load coal as soon as the crew gets there. It is also very important that you call out as soon as you've finished your pre-shift examination, so we can get the next shift started as soon as possible. We are far behind on our tonnage quotas and we really can't afford to have any more delays. You will have 30 minutes to complete the problem and the judges will notify you when you have 1 minute left.

Good Luck

Ventilation Map

