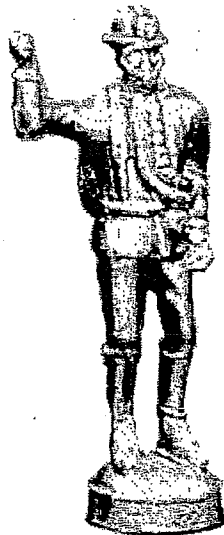


2019 Indiana State



Preshift Contest

Note from Rusty Loveless, Mine Foreman

Hey Buddy, Glad to have you back!! A lot has happened since you been gone. We stopped mining in the 2nd North Panel because of bad roof and high methane. We moved the No. 1 Unit to the bottom of the mine and the new setup is really tight. We set up the Unit with the tail at cross cut 1 and the last open cross cut is at cross cut 3. We built an overcast in crosscut 2 for future mining plans. I was here yesterday and we got almost everything set up and ready to mine coal, we also scooped this new setup and loaded out the gob and loose coal yesterday. As you may remember everything was mined in seam with no rock taken from the mine roof. I had to set a pump in the return because of some water that was standing. Please keep power on this pump if you can because the water builds up fast if it's off. I sent Michael Jackson and his crew to the No. 1 Unit last night to finish everything up and get it ready to start running coal soon.

Our typical mine layout is the same. We run 3 entries. No. 1 entry is our return, No. 2 entry is our belt/secondary escapeway and no. 3 entry is our intake/primary escapeway (numbering from left to right).

I need you to go preshift from Portal to the No. 1 Unit to the faces in all 3 entries. Jimmy Johns will be outside if you need anything (he's really quick).

I made you a packet with some information you may need. Enclosed is our plans, a copy of the Overcast Safety Precautions for the overcast and some other stuff.

Good Luck and I'll see you when you get outside!!!

**Loveless Coal Company
Mine No. 1
Mine Plans**

Roof Control Plan

1. The maximum cut depth of this mine is 30 feet.
2. Spacing between rows is typically 5' and 4' between bolts in the row.
3. Openings that create an intersection should be permanently supported or at least two rows of temporary supports should be installed on not more than 5 foot centers across the opening before any other work or travel in the intersection, except to conduct examinations or make safety corrections.
4. Entries and cross cuts will be driven on 50' x 50' centers minimum.
5. The maximum entry and crosscut width is 18'.

Ventilation Plan

1. At least 6,500 cfm will be maintained at the inby end of the line curtain where coal is being cut, mined, drilled for blasting, or loaded.
2. A line curtain shall be maintained to within 15' of the face in idle supported places and to the last row of permanent support in unbolted places.
3. The minimum volume of air in the last open crosscut shall be 15,000 cfm.
4. Ventilation controls will be installed as shown on attached vent map.
5. If flush cross cut is mined head-on no ventilation curtain is required.

Construction of Overcast Safety Precautions

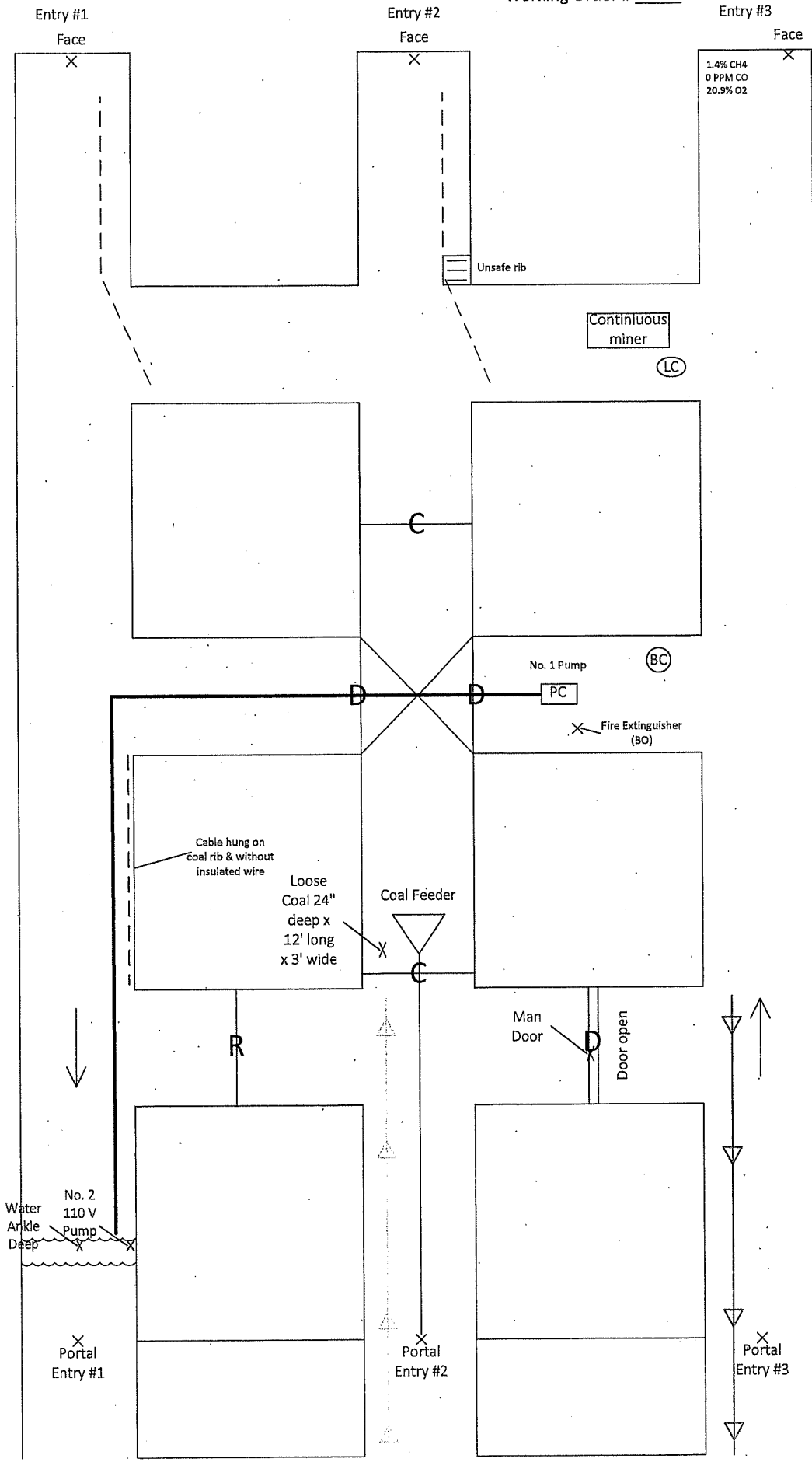
1. Dust produced while cutting roof rock out will be vented to the return and no one will be allowed within 1,000 feet downwind while cutting.
2. The overcast will be constructed using traditional accepted methods.

Summary of Safeguards

Section	Number	Description
75.1403	001	Notice of safeguard requiring all scoops at this mine to be provided with a remote means to energize and de-energize the main breaker without persons entering the articulation area of the scoop.
75.1403	002	Notice of safeguard if mobile equipment is parked within 20 feet of a check curtain flagging or other physical barrier must be provided on the backside to warn persons that maybe traveling through the check curtain.
75.1403	003	Notice of safeguard to maintain all travelways and haulageways free of extraneous materials to facilitate safe travel of men and materials.
75.1403	004	Notice of safeguard that water shall not be allowed to accumulate in escapeways, travelways and haulageways above 12 inches in depth.

Field Set-up

Working Order # _____



XC #3

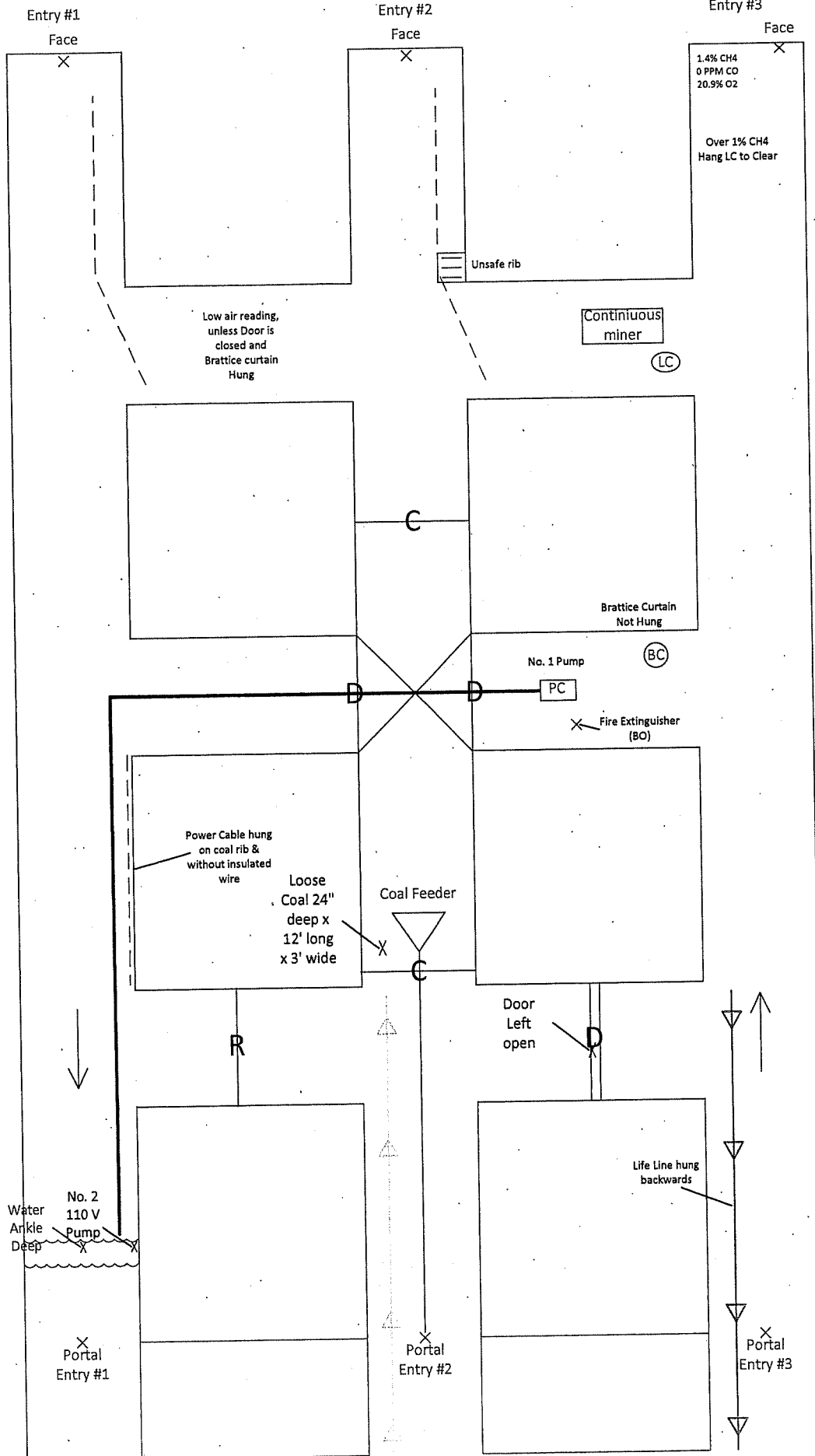
XC #2

XC #1

2019 INDIANA STATE PRESHIFT CONTEST

Key For Preshift

Working Order # _____



XC #3

XC #2

XC #1

2019 INDIANA STATE PRESHIFT CONTEST

**PRE-SHIFT EXAMINATION CONTEST
JUDGES DISCOUNT SHEET**

CONTESTANT _____ NO. _____ *DENOTES DISCOUNT

WORKING TIME _____ Judges Name _____

**REQUIRED EQUIPMENT
TWO POINT DISCOUNT FOR EACH OMITTED ITEM RULE 2
MARK AN X IF AVAILABLE**

SAFETY CAP _____	SAFETY BOOT _____
MINING BELT WITH ID TAG _____	CHECK IN TAG _____
CAP LIGHT _____	SCSR _____
ANEMOMETER _____	WATCH (OR EQUIVALENT) _____
GAS DETECTOR _____	DEVICE FOR TESTING ROOF _____
MEASURING DEVICE _____	BLANK INDEX CARDS _____

FIREBOSS STATION

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
1. DID CONTESTANT START CLOCK WITHIN 2 MIN.	_____	_____*	7
2. DID CONTESTANT CHECK IN	_____	_____*	1
3. DID CONTESTANT CHECK SCSR	_____	_____*	3
4. DID CONTESTANT CHECK METHANE/OXYGEN DETECTOR	_____	_____*	19
5. DID CONTESTANT CHECK OUT	_____	_____*	1
6. DID CONTESTANT HAVE ALL REQUIRED EQUIPMENT	_____	_____*	2
7. WAS CONTESTANT EQUIPMENT MAINTAINED IN OPERABLE CONDITION	_____	_____*	14

#3 HEADING

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
1. DID CONTESTANT TAKE GAS TEST IN #3 HEADING	_____	_____*	5
2. DID CONTESTANT TAKE A PROPER GAS TEST	_____	_____*	6
3. DID CONTESTANT VERBALLY IDENTIFY ROOF & RIB	_____	_____*	10
4. DID CONTESTANT IDENTIFY LIFE LINE WRONG	_____	_____*	11
5. DID CONTESTANT DANGER LIFE LINE	_____	_____*	12
6. DID CONTESTANT DTI DANGER SIGN	_____	_____*	4
7. DID CONTESTANT IDENTIFY MANDOOOR OPEN	_____	_____*	11
8. DID CONTESTANT CLOSE MANDOOOR OPEN	_____	_____*	12
9. DID CONTESTANT IDENTIFY FIRE EXTINGUISHER	_____	_____*	11
10. DID CONTESTANT CORRECT FIRE EXT.(DE-ENER P.C.)	_____	_____*	12
11. DID CONTESTANT DTI POWER CENTER	_____	_____*	4
12. DID CONTESTANT TAKE GAS TEST AT POWER CENTER	_____	_____*	5
13. DID CONTESTANT TAKE A PROPER GAS TEST	_____	_____*	6
14. DID CONTESTANT IDENTIFY PUMP LABEL AT P.C.	_____	_____*	11
15. DID CONTESTANT DANGER PUMP LABEL AT P.C.	_____	_____*	12
16. DID CONTESTANT DTI DANGER SIGN	_____	_____*	4
17. DID CONTESTANT IDENTIFY BRATTICE CURTAIN	_____	_____*	11

18. DID CONTESTANT HANG BRATTICE CURTAIN	_____	_____*	12
19. DID CONTESTANT DTI AT #3 FACE	_____	_____*	4
20. DID CONTESTANT TAKE GAS TEST AT #3 FACE	_____	_____*	5
21. DID CONTESTANT TAKE A PROPER GAS TEST #1 FACE	_____	_____*	6
22. DID CONTESTANT IDENTIFY MISSING LINE CURTAIN	_____	_____*	11
23. DID CONTESTANT HANG LINE CURTAIN	_____	_____*	12
24. DID CONTESTANT IDENTIFY 1.4% CH4	_____	_____*	11
25. DID CONTESTANT CLEAR 1.4% CH4	_____	_____*	12
26. DID CONTESTANT RE-TAKE GAS TEST AT #3 FACE	_____	_____*	5
27. DID CONTESTANT TAKE A PROPER GAS TEST #3 FACE	_____	_____*	6

#2 HEADING

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
1. DID CONTESTANT TAKE GAS TEST IN #2 HEADING	_____	_____*	5
2. DID CONTESTANT TAKE A PROPER GAS TEST	_____	_____*	6
3. DID CONTESTANT DTI ALONG THE #2 HEADING	_____	_____*	4
4. DID CONTESTANT VERBALLY IDENTIFY ROOF & RIB	_____	_____*	10
5. DID CONTESTANT IDENTIFY LOOSE COAL AT BELT	_____	_____*	11
6. DID CONTESTANT DANGER LOOSE COAL AT BELT	_____	_____*	12
7. DID CONTESTANT DTI DANGER SIGN	_____	_____*	4
8. DID CONTESTANT IDENTIFY UNSAFE RIB AT FACE	_____	_____*	11
9. DID CONTESTANT DANGER UNSAFE RIB AT FACE	_____	_____*	12
10. DID CONTESTANT DTI DANGER SIGN	_____	_____*	4
11. DID CONTESTANT DTI AT #2 FACE	_____	_____*	4
12. DID CONTESTANT TAKE GAS TEST AT #2 FACE	_____	_____*	5
13. DID CONTESTANT TAKE A PROPER GAS TEST	_____	_____*	6

#1 HEADING

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
1. DID CONTESTANT TAKE GAS TEST AT #1 HEADING	_____	_____*	5
2. DID CONTESTANT TAKE A PROPER GAS TEST	_____	_____*	6
3. DID CONTESTANT DTI IN #1 HEADING	_____	_____*	4
4. DID CONTESTANT VERBALLY IDENTIFY ROOF & RIB	_____	_____*	10
5. DID CONTESTANT IDENTIFY PUMP (NON-PERMISSILE)	_____	_____*	11
6. DID CONTESTANT DANGER PUMP (NON-PERMISSILE)	_____	_____*	12
7. DID CONTESTANT DTI DANGER SIGN	_____	_____*	4
8. DID CONTESTANT IDENTIFY PUMP CABLE HUNG ON RIB	_____	_____*	11
9. DID CONTESTANT DANGER PUMP CABLE HUNG ON RIB	_____	_____*	12
10. DID CONTESTANT DTI DANGER SIGN	_____	_____*	4
11. DID CONTESTANT IDENTIFY PUMP CABLE BARE METAL	_____	_____*	11
12. DID CONTESTANT DANGER PUMP CABLE BARE METAL	_____	_____*	12
13. DID CONTESTANT DTI DANGER SIGN	_____	_____*	4

LOCC

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
1. DID CONTESTANT TAKE AIR READINGS	_____	_____*	9
2. DID CONTESTANT TAKE PROPER AIR READING	_____	_____*	8

GENERAL RULES

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
1. DID CONTESTANT RUN	_____*	_____	13
2. DID CONTESTANT EXAM ALL ACCESSIBLE AREAS	_____	_____*	18
3. DID CONTESTANT COMPLY WITH GENERAL RULES NOT COVERED IN THE DISCOUNT SHEET	_____	_____*	19

**LOCC Velocity
With Door Closed and Brattice Curtain Hung**

180V

**Before Man Door Closed and Brattice Curtain
Hung**

65V

LOCC Measurement

18' Wide

X

7 High

Hazard List Preshift 2019

Entry #	Crosscut #	Hazard	Standard
1	0-1	No.2 110 V Pump (Not Permissible)	75.507-1 (a)
1	1-2	Cable Hung On Coal Rib	75.516
1	1-2	Cable hung W/O Insulation	75.516
2-3	1	Man Door Open	75.333(c.) (3)
2	1-2	Loose Coal at Belt Tail	75.400
2	3	Unsafe Rib	75.202(A)
2-3	2	Brattice Curtian Not hung	75.370(a)1
3	0-1	Life Line Hung Backwards	75.380(d)(7)(V)
2-3	2	Pump labeled Wrong	75.905
2-3	2	Brattice Curtian Down	75.370(a)(1)
2-3	2	B.O, Fire Extinguisher	75.1100-3
3	Face	Curtain Missing	75.370(a)(1)
3	Face	1.4% CH4	75.323(b)