

2013

OMSL

COMPLIANCE

CONTEST

DAY 2

APRIL 25, 2013

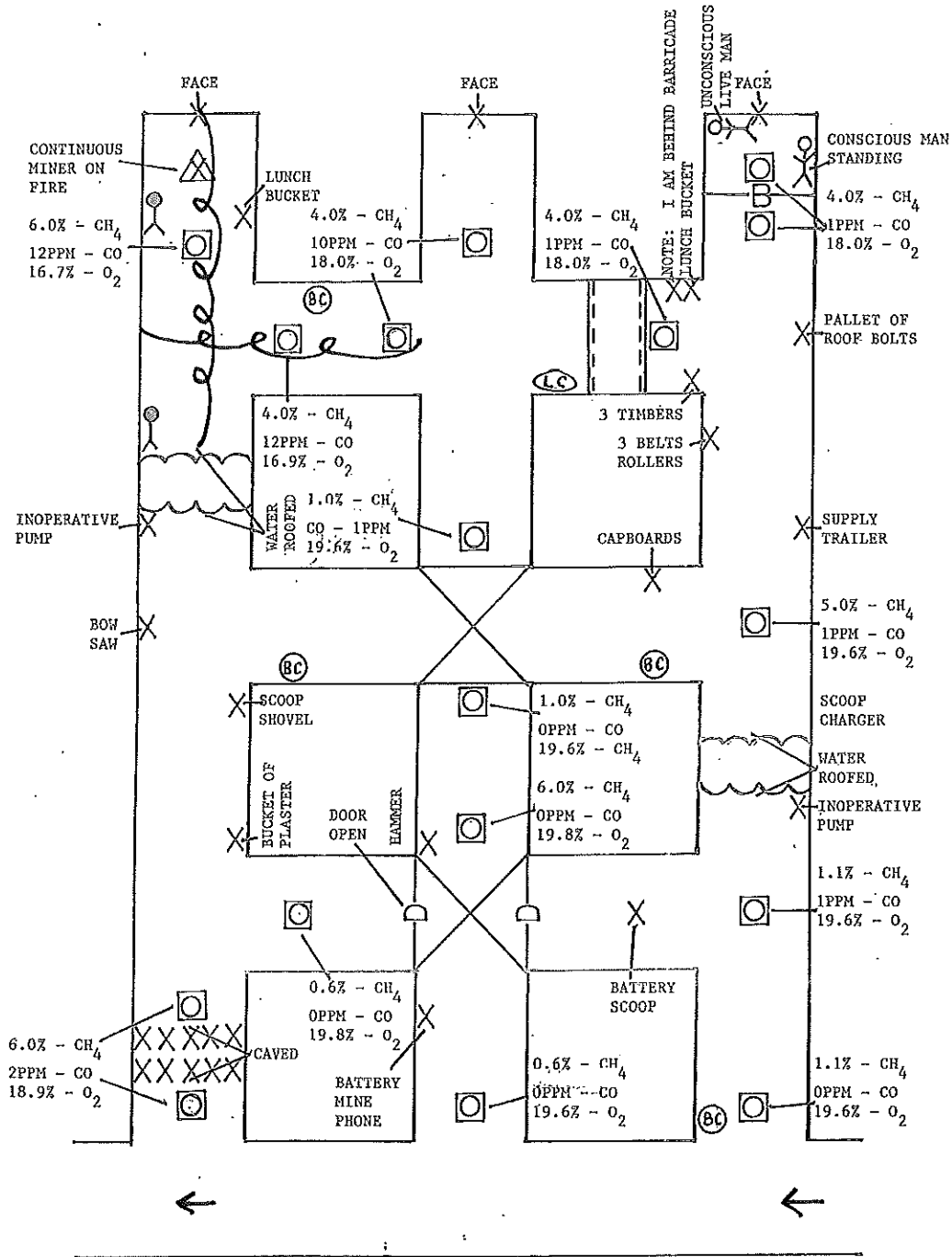
OMSL COMPLIANCE CONTEST

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Day 2

The Jenny Wiley #2 Mine thanks you for answering our call for help. We had a four man crew that went in at midnight to do routine idle shift work on this section. When our main fan went down and we evacuated the mine, none of the people on this section came out. We have not been able to contact anyone since. They were supposed to clean and rock dust the section, check permissibility on the equipment and if they had time, run a little early coal before the day shift crew entered the mine. This is a new working section that just started production last week. Presently this is the only section operating in this area of the mine, but we have built two more overcast, preparing to add another section. The maps we have for your team were updated yesterday, but does not show anything mined on 2nd shift. Since we started this section we have had very little methane, but have been hampered by water and bad roof conditions. The exhaust fan located on the surface has been repaired and is now operating with ventilation traveling in its proper and regular direction up to this point. We have a trained mine rescue team here to serve as your back up. We have a lifeline man here to assist you if you need him. This is all the information I have at the present time.

Good Luck!

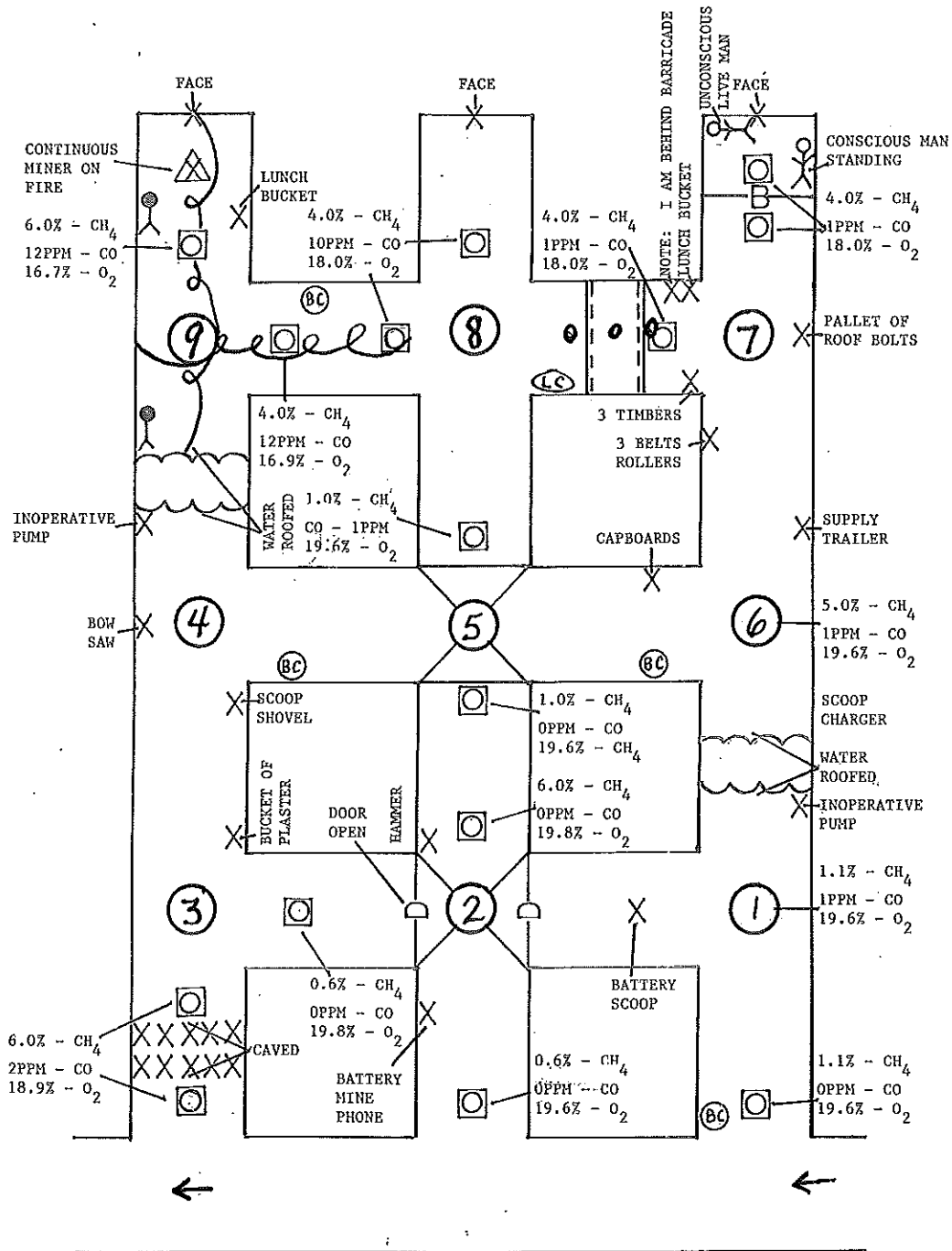


OMSL CONTEST
 DAY 2
 APRIL 25, 2013
 PRESTONBURG, KY

OMSL INTER-AGENCY MINE RESCUE CONTEST
PROBLEM # 2
APRIL 25, 2013
JUDGES BRIEFING

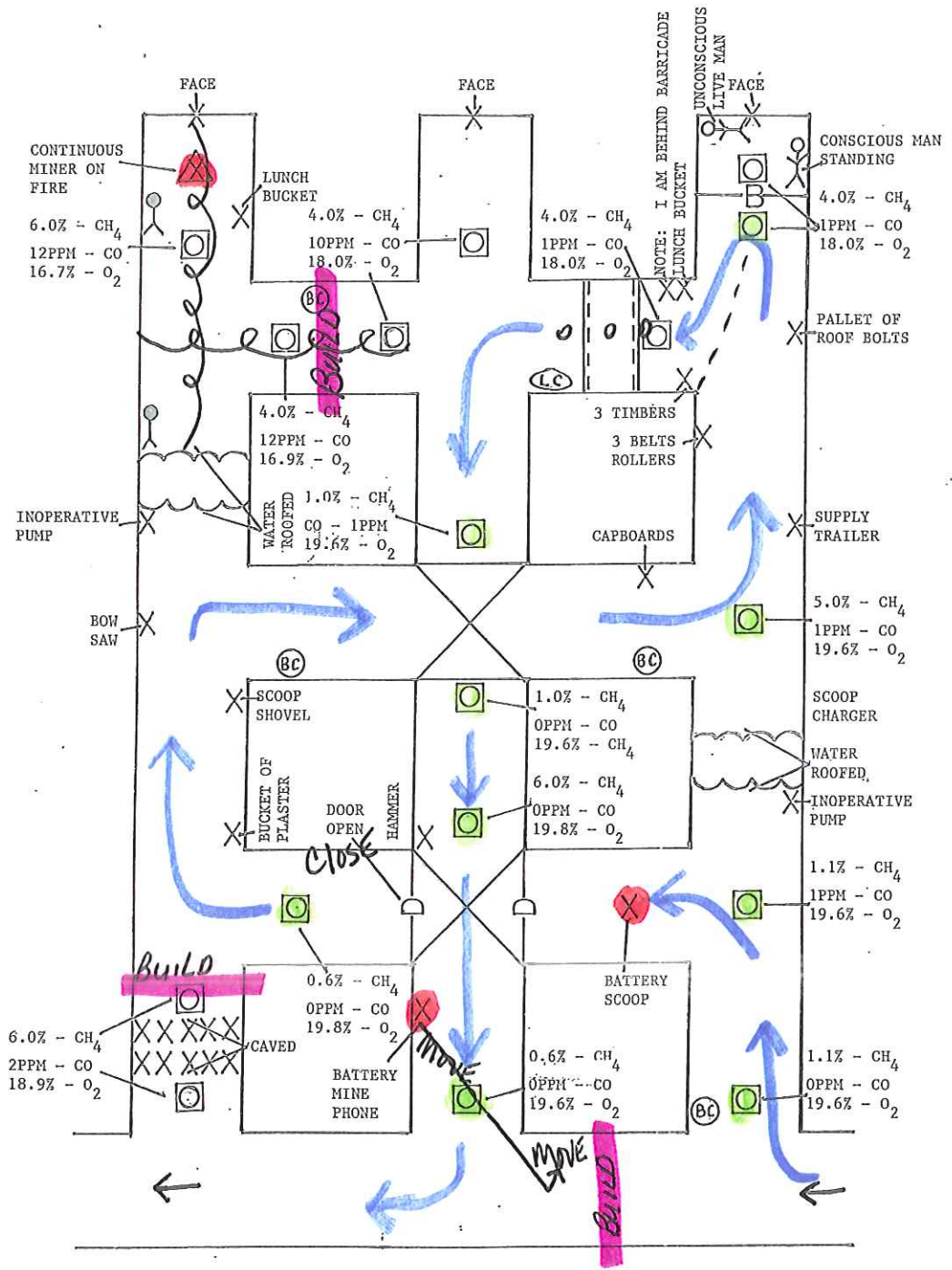
WORKING PROCEDURES:

The captain should make the portals prior to the entire team going underground. He will find the caved area and an explosive and irrespirable atmosphere in the #1 entry. He will make a gas test and a roof and rib test and date and initial at the caved area. In #2 entry he may travel to the out by corner of the intersection. He must make a gas test somewhere in the opening. In #3 entry he finds a contaminate and may make up to the outby corner of the first intersection. He must make a gas test in the area. At this point the captain knows he can enter the mine traveling in # 2 entry or #1 entry. We will assume the team enters #1 entry and travels to **TEAM STOP #1**. At team stop #1 an apparatus check must be made at the first team stop with all team members underground. The team will find 1.1% CH₄, 1ppm CO and 19.6% O₂ in the intersection. The captain will examine the left xcut over to the wall of the overcast, making a gas check and dating and initialing the wall of the overcast. He will also make up the straight and find water roofed and an inoperative pump. A gas test must be made in the area and the water roofed must be D&I. The team will retreat and enter the #2 entry to **TEAM STOP #2**. The captain will make up the straight to the wall of the overcast making a gas test and D&I at the wall of the overcast. He also must D&I the wall of the overcast to the right making a gas test and D&I. He will find door in the overcast open to the left and may travel thru making a gas test in the opening before advancing to **TEAM STOP #3**. Here the captain will explore to the caved area outby and make a roof and rib test, a gas test and D&I at the caved area. Exploring up the straight he will find the area to be clear and a gas test must be made before advancing to **TEAM STOP #4**. Here the team will make up to the water roofed, making a gas test and D&I at the water roofed. To the right a gas test must be made in the opening before advancing to **TEAM STOP #5**. Here the team is under the overcast and must make both walls of the overcast, make a gas test and D&I at both walls before advancing to **TEAM STOP #6**. The team will explore outby to the water roofed, make a gas test and D&I at the water. The team will explore up the straight to the outby corner of the next intersection, making a gas test before advancing to **TEAM STOP #7**. Here



OMSL CONTEST
DAY 2
APRIL 25, 2013
PRESTONBURG, KY

the team will find a barricade in the straight with an irrespirable mixture in front of it. The person behind the barricade will respond saying: Help get us out of here it is hard to breathe in here. A gas test must be made and the captain will D&I the barricade. Since the team cannot ventilate the barricade at this point they must use the three timbers they found to timber thru the unsafe roof to **TEAM STOP #8.** The captain will examine the face of #2 entry do a roof, face and rib test, a gas test and D&I the face. The captain can explore the crosscut to the left to the corner, and will be in smoke so the entire team must be on the lifeline or tag line. At this point the barricade can be ventilated. See Ventilation Map. Once the barricade is cleared the team must build an airlock to enter the barricade. The captain must immediately make a gas test once the barricade is breached and finds an irrespirable atmosphere inside the barricade. He finds a conscious man that must be assessed and D&I. Since he is found in an irrespirable atmosphere he must be provided with respiratory protection. An SCSR will suffice and the use may be simulated by holding the unit at chest level. The unconscious man will be found at the face and must be assessed, D&I and brought to the FAB with protection utilizing a full facepiece. While the men are being readied the captain will be able to make a roof, rib and face test, make a gas test and D&I the face before bringing them to the surface. After bringing the two live man to the surface two people are still unaccounted for and the team must travel back in the mine to **TEAM STOP #9,** airlocking thru the team built stopping in the crosscut between #1 and #2 entry unless the ventilation has been short circuited in the FAB. due to the fact the fan is now running and the map shows a dotted line in the face of #1 which at this point is unexplored. The team will be in smoke and will find a body that must be touched and D&I. They will examine back to the water roofed and make a gas test and D&I. The captain will explore up the straight and find 6% CH₄, 12ppm CO and 16.7% O₂ . At his point the team must quit due to the fact an explosion is imminent. If the team swings in and finds the gas box prior to finding the body they must exit the mine without exploring outby. They may only go where they have already been prior to finding the quitter. The airlock should be rebuilt on the way out (unless ventilation is short circuited in the FAB) because the condition of the face is still unknown. Once the team retreats to the FAB the problem is completed the team will stop the clock. Maps must be turned in immediately upon stopping the clock.



OMSL CONTEST
 DAY 2
 APRIL 25, 2013
 PRESTONBURG, KY

OMSL DAY 2 APRIL 25TH, 2013

WRITTEN INSTRUCTIONS

ACCOUNT FOR ALL MISSING MINERS.

BRING ALL SURVIVORS TO THE FRESH AIR BASE

TO OPEN OR CLOSE DOORS YOU MUST TURN THE
PLACARD OVER TO THE APPROPRIATE SIDE.

TEAM BUILT AIRTIGHT STRUCTURES MUST BE
PROPERLY HOOKED ON BOTH SIDES.

ONCE THE FAN IS STARTED IT CANNOT BE TURNED
OFF, REVERSED OR STALLED.

CONSCIOUS LIVE MAN STATEMENT

(DAY 2)

HELP GET US OUT OF HERE!

I'M O.K., BUT JOE DON'T LOOK TO GOOD
AND IT IS HARD TO BREATHE IN HERE!

