



DIVISION OF MINE SAFETY

COMPLIANCE CONTEST

DAY 1

APRIL 19, 2017

SUPERINTENDENT STATEMENT

THANK YOU FOR ANSWERING OUR CALL FOR HELP. I AM _____, THE MINE SUPERINTENDENT FOR THE JENNY MINE NO. 1. YOU ARE LOCATED ON THE SURFACE AREA OF THE MINE. WE HAVE JUST RECENTLY BEGAN PRODUCTION AT THIS MINE. WE HAVE ENCOUNTERED PROBLEMS WITH WATER, ROOF CONDITIONS, AND METHANE LIBERATION SINCE WE BEGAN PRODUCTION. WE HAVE A CREW OF SEVEN PEOPLE THAT ENTERED THE MINE LAST NIGHT TO CATCH UP ON THE ROOFBOLTING AND CLEAN AND ROCKDUST THE SECTION. THE OUTSIDE MAN WAS CALLED AWAY FOR A SHORT TIME AND WHEN HE CAME BACK THE FAN WAS OFF. HE HAS TRIED UNSUCCESSFULLY TO CONTACT THE MINERS THAT ARE LOCATED UNDERGROUND.

THE MAPS ARE UP TO DATE. ALL APPROPRIATE AGENCIES HAVE BEEN NOTIFIED AND ARE PRESENT. THERE IS A COMPETENT BACK UP TEAM ON SITE, BUT THEY ARE NOT ALLOWED TO DO ANY WORK OTHER THAN SERVE AS YOUR BACK UP TEAM. THE POWER GOING UNDERGROUND IS LOCKED OUT, TAGGED, AND GUARDED. THERE IS A COMPETENT PERSON HERE TO HANDLE YOUR LIFELINE SHOULD YOU NEED IT (POINT OUT). YOUR BRIEFING OFFICER IS LOCATED ON THE SURFACE AND WILL ONLY BE ABLE TO COMMUNICATE WITH YOU BY YOUR COMMUNICATION SYSTEM AFTER YOU START THE CLOCK.

GOOD LUCK!

WRITTEN STATEMENT

- **THE FAN CAN ONLY BE STARTED AND STOPPED BY THE COMMAND CENTER. THE FAN RECORD MUST BE COMPLETED PROPERLY AND INITIALED BY THE COMMAND CENTER ATTENDANT IN THE TYPE OF VENTILATION CHOSEN.**
- **YOU MAY ONLY TRANSPORT 3 CURTAINS AT A TIME. BUILDING MATERIALS CANNOT BE THROWN OR KICKED FROM ONE LOCATION TO ANOTHER.**
- **BRING ALL SURVIVORS TO THE SURFACE AREA.**
- **EXPLORE THE ENTIRE MINE AND ACCOUNT FOR ALL MISSING PERSONS IF IT IS SAFE TO DO SO.**
- **THE FAN CAN BE REVERSED, STOPPED, OR STARTED, BUT MUST NOT BE STALLED.**

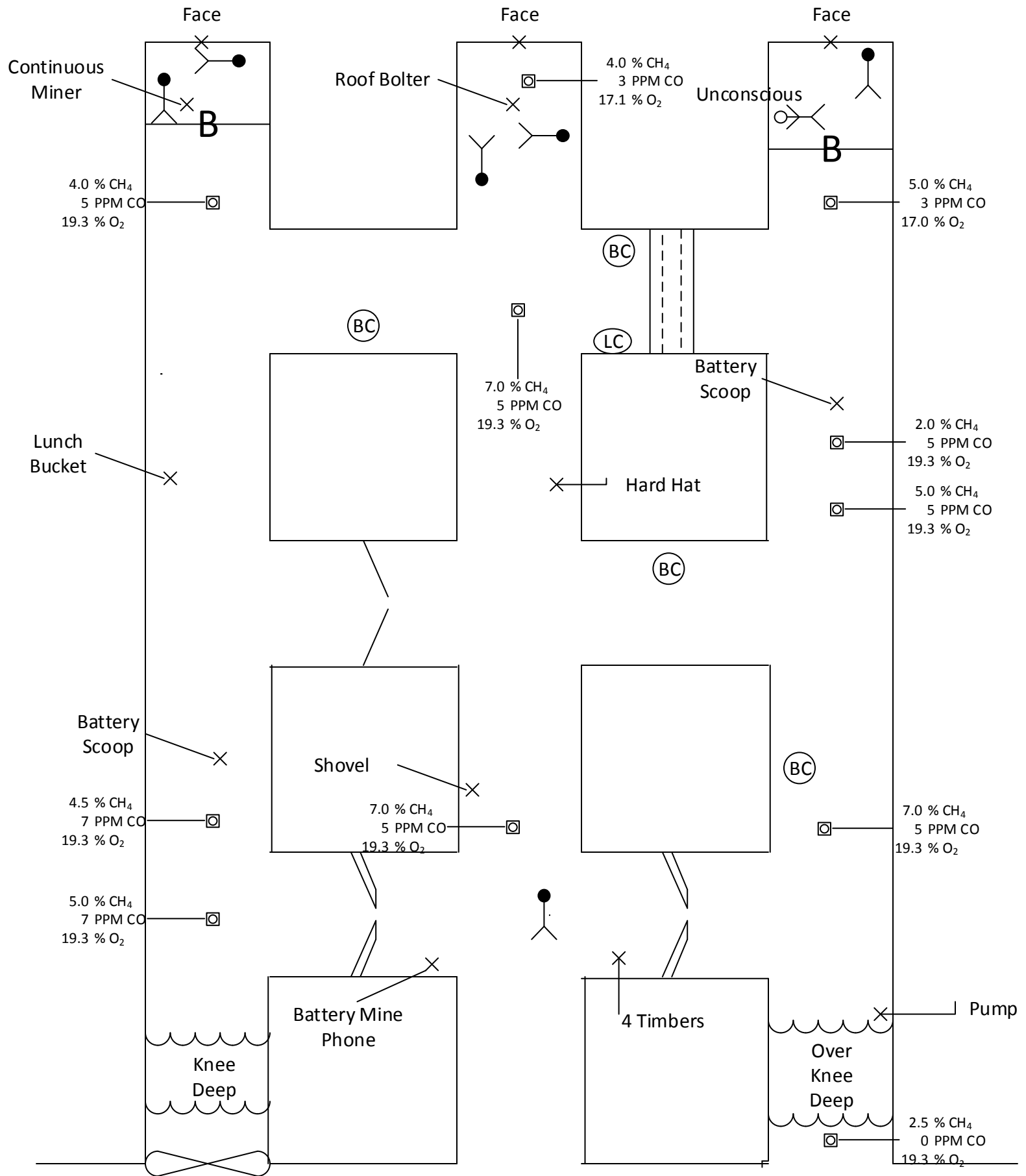
JUDGES BRIEFING

The team will have 4 minutes to arrange their equipment, lay out lifeline, etc. If the captain does not start the clock within those 4 minutes, the Supt. Will start the clock. The team does not have to unload and test the stretchers. They must check their gas detectors after the clock has started as well as their communications between the team and the Command Center.

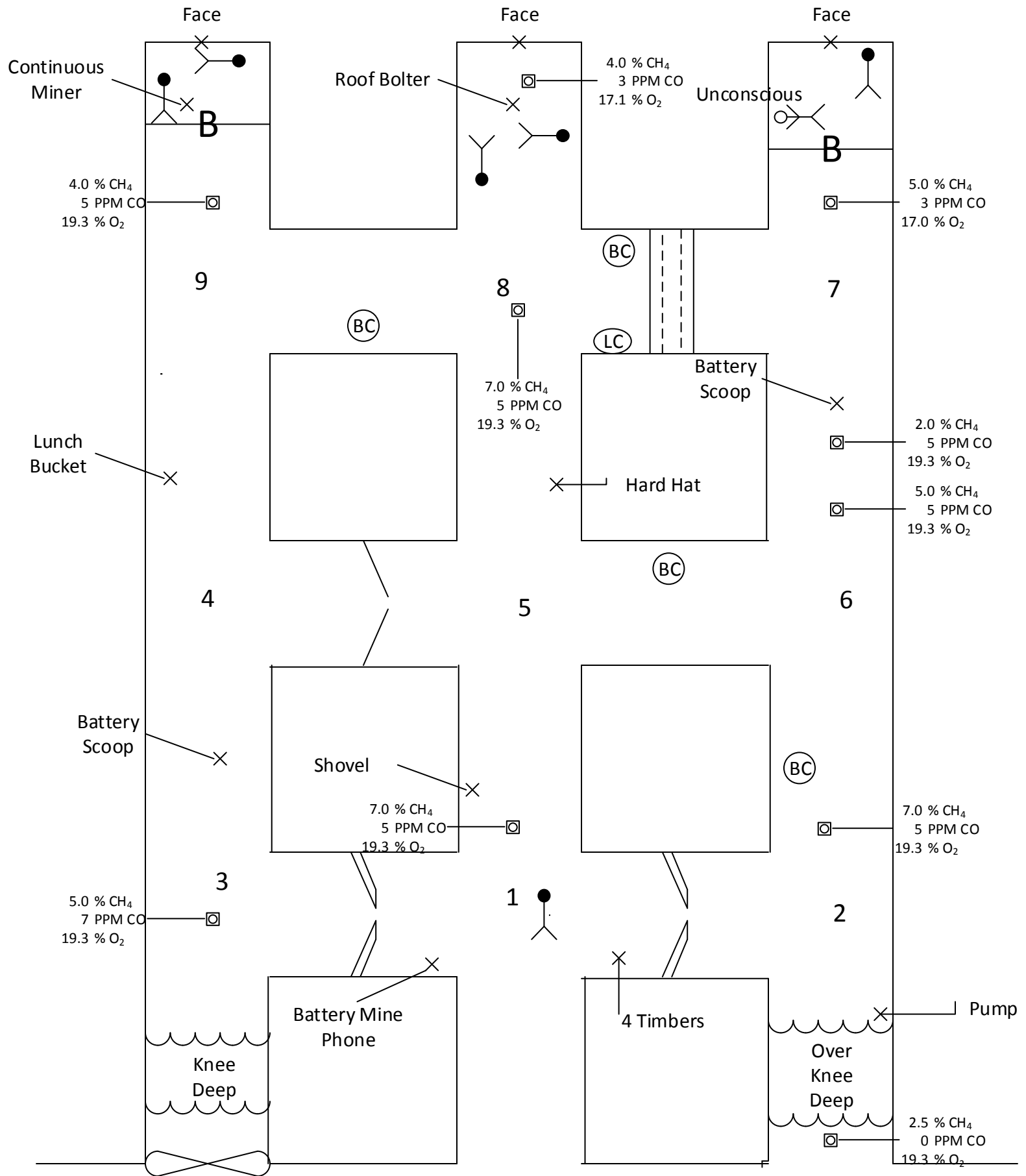
WORKING PROCEDURES

The team is located on the surface. The captain will examine all of the portals prior to the team entering the mine. In the No. 1 entry they will find a fan. The captain must place the date and his initials at the fan and a gas test must be made. In the number 2 entry the captain must make to the imaginary line of the crosscut and a gas test must be made. In the number 3 entry the captain must make to the water over knee deep, place the date and his initials there and a gas test is required. The team will advance in the number 2 entry to **Team Stop 1**. He must not pass the body prior to touching and placing his date and initials there. An apparatus check will be made at this stop before the team leaves this area. The captain will explore the right crosscut to the imaginary line and a gas test is required there and he must place the date and his initials at the permanent stopping not intact. He will explore up the number 2 entry to the imaginary line. A gas test is required there. He will explore the crosscut to the left to the imaginary line. A gas test is required and he must place the date and his initials at the permanent stopping not intact. The team will now advance to **Team Stop 2** in the Number 3 entry. The captain will tie back to the water over knee deep and place the date and his initials at this location and a gas test is required. The captain will explore up the number 3 entry to the imaginary line and find an explosive mixture extending past the imaginary line and a gas test is required in this location. The team will now advance to **Team Stop 3** in the 1st intersection of the Number 1 entry. The captain will explore back to the fan and place the date and his initials at this location. A gas test is required in this area. The captain will explore up the number 1 entry to the imaginary line. He will find an irrespirable mixture extending past the imaginary line. A gas test will be done in this area.

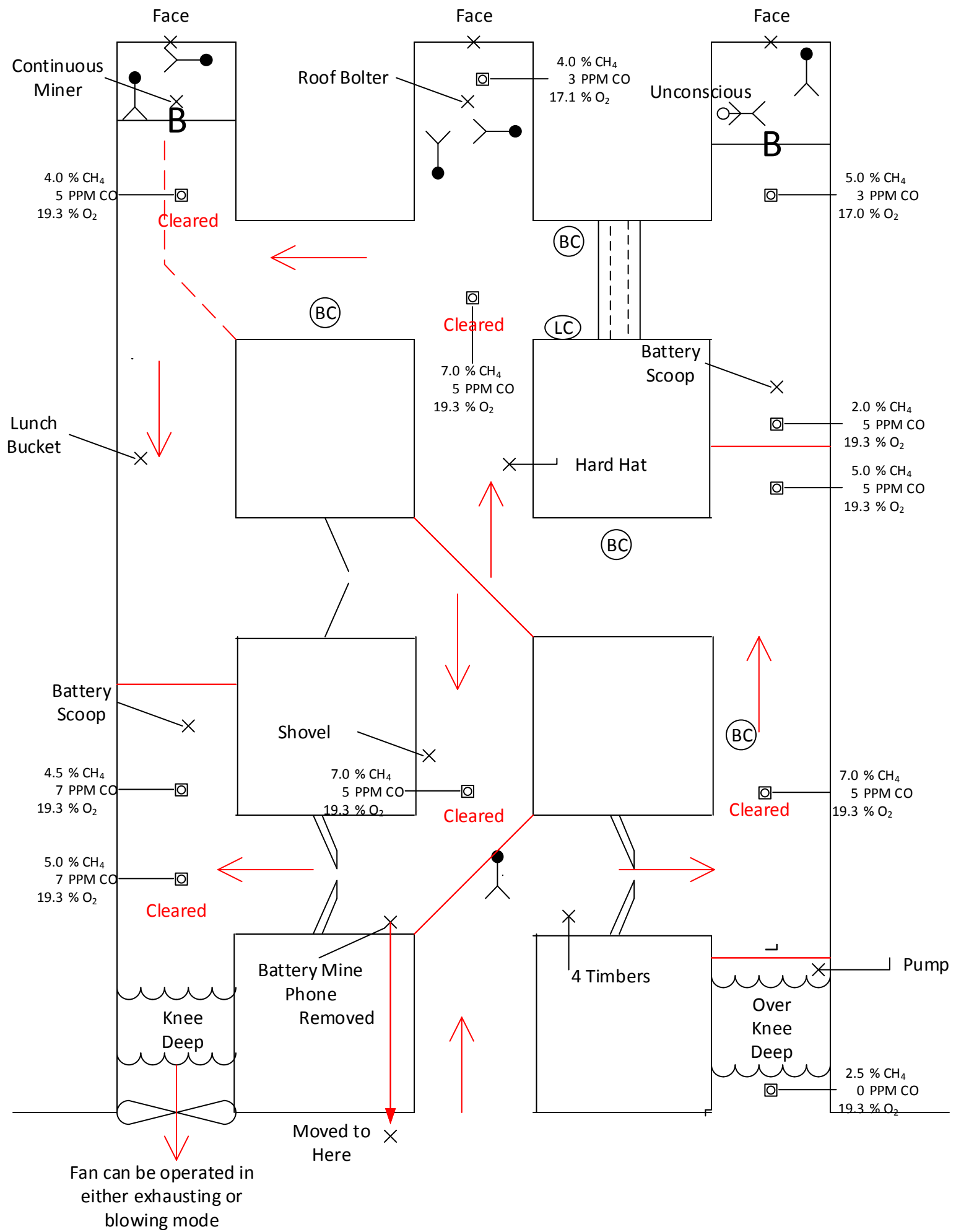
(The team has a choice of which entry to travel at this point.) The team will travel up the number 1 entry to the 2nd intersection to **Team Stop 4**. The captain will explore up the number 1 entry to the imaginary line. There is a lunch bucket in this area that must be checked and a gas test is required in this area. The captain will explore the right crosscut to the imaginary line. He will place the date and his initials at the temporary stopping not intact and a gas test is required in this area. The team will travel to the 2nd intersection of the number 2 entry for **Team Stop 5**. The captain will tie back by breaking the plane in the number 2 entry. A gas test is required in this area. The captain will explore the right crosscut to the imaginary line. A gas test is required in this area. The captain will explore up the number 2 entry to the imaginary line. A gas test is required in this area. The team will advance to the 2nd intersection of the number 3 entry for **Team Stop 6**. He will tie back down the number 3 entry by breaking the plane. A gas test is required in this area. The captain will explore up the number 3 entry to the imaginary line. A gas test is required in this area. The team will advance up the number 3 entry to the 3rd intersection for **Team Stop 7**. The captain will explore the crosscut to the left to the unsafe roof. He will do a roof and rib test and place the date and his initials at this location. A gas test is required in this area. The captain will explore up the entry and will find a barricade. There will be no response from the barricade. The captain will place the date and his initials at the barricade and a gas test is required in this area. The team will then explore to **Team Stop 8** located in the 3rd intersection of the number 2 entry. The captain will explore the crosscut to the right and will find unsafe roof. He will place the date and his initials at this area and a gas test will be made. He will explore up the entry to the face. He will find 2 bodies that he must touch and place the date and his initials at their location. He will do a roof, face, and rib test and place the date and his initials at this location. A gas test will also be made. The captain will explore the crosscut to the left to the imaginary line and a gas test will be made in this area. The team will advance to the 3rd intersection of the number 1 entry for **Team Stop 9**. The captain will tie back by breaking the plane. A gas test is required in this area. The captain will explore up the entry and will find a barricade. There will be no response. The team will then ventilate the mine as per the Ventilation drawings.



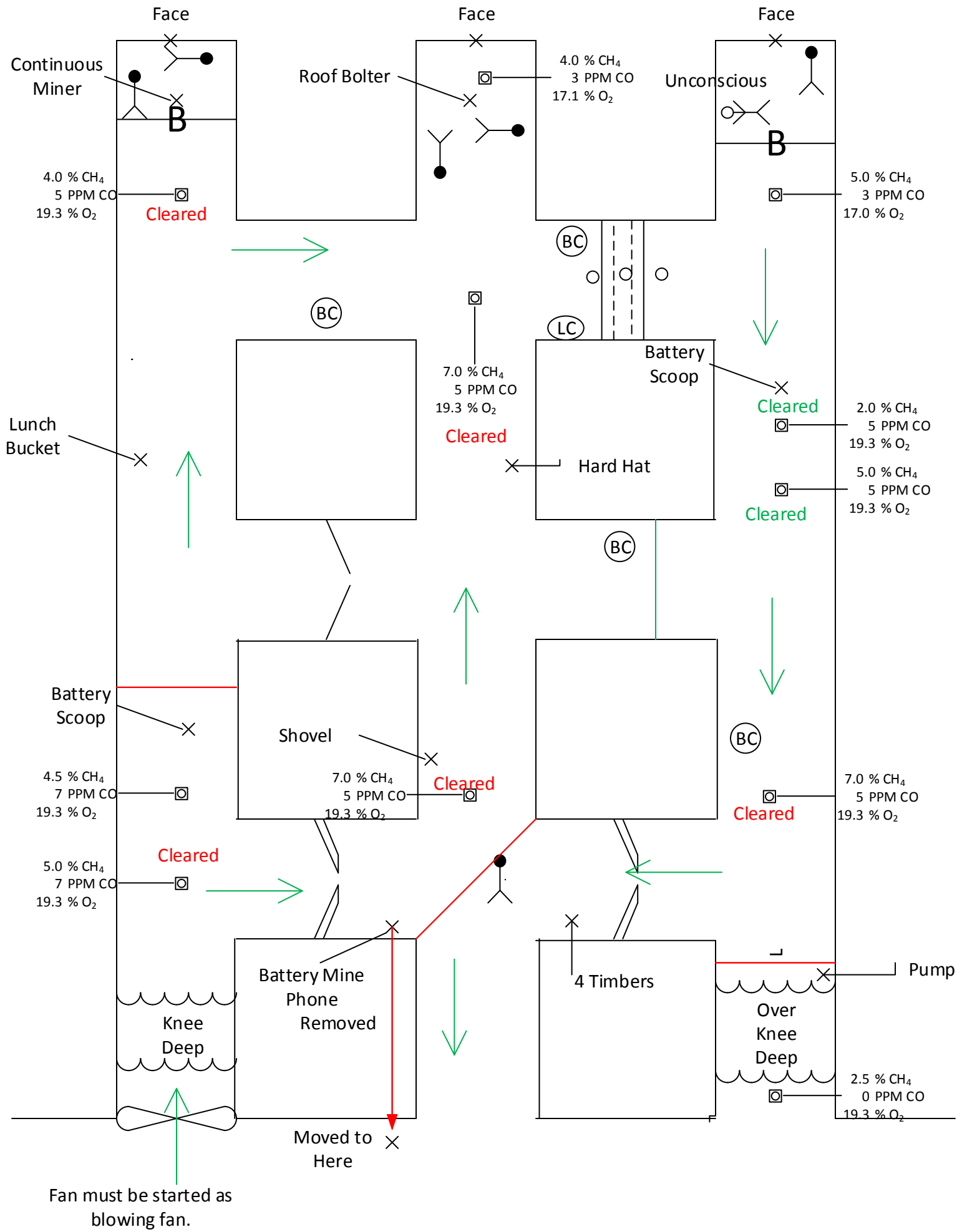
**KY. DIVISION OF MINE SAFETY
APRIL 19, 2017
PROBLEM 1**



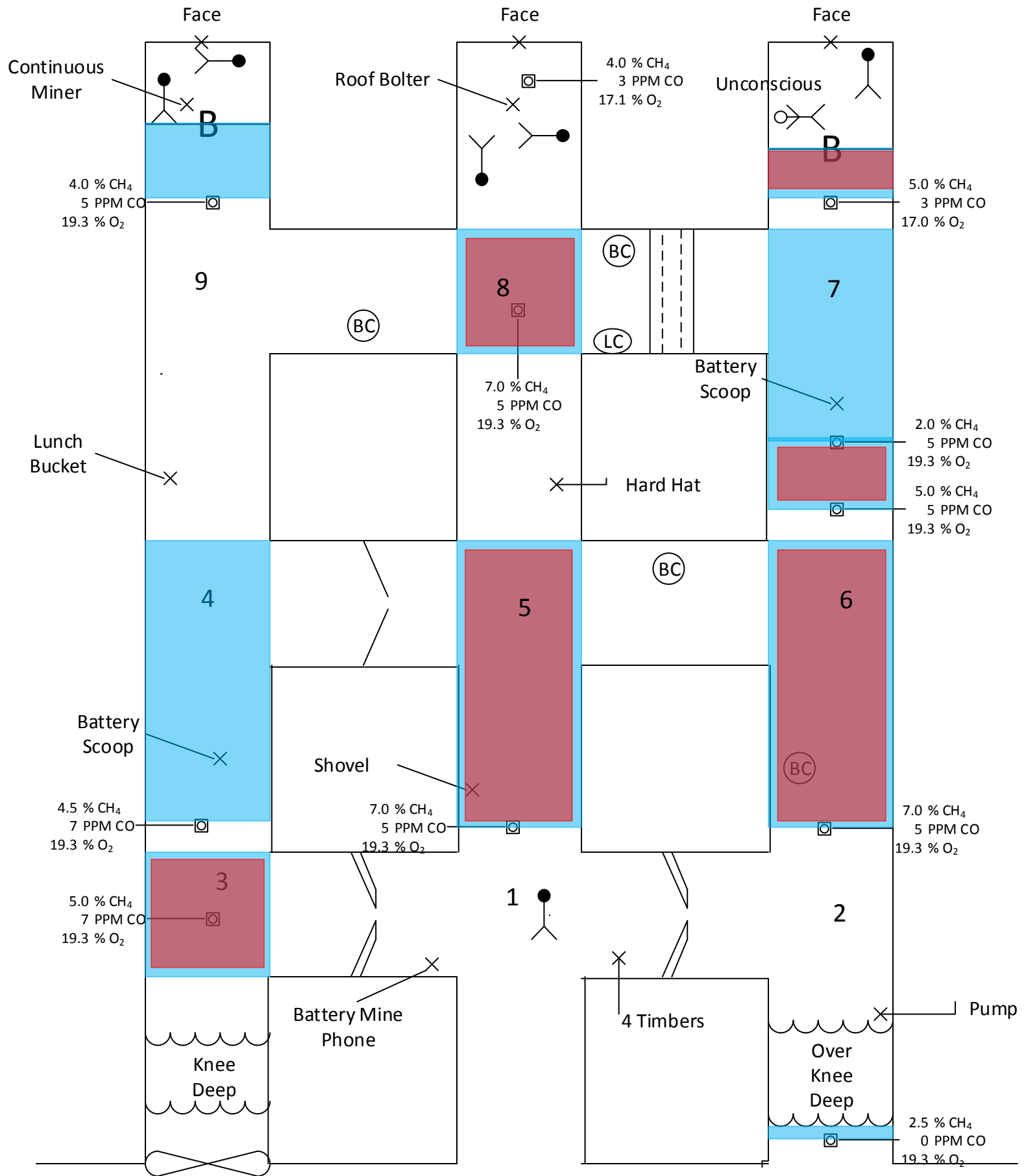
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PROBLEM 1



KY. DIVISION OF MINE SAFETY
 APRIL 19, 2017
 FIRST VENTILATION



KY. DIVISION OF MINE SAFETY
 APRIL 19, 2017
 SECOND VENTILATION



**KY. DIVISION OF MINE SAFETY
 APRIL 19, 2017
 EXTENT OF GASES MAP**

FAN RECORD

VENT 1

BLOWING START _____ STOP _____

EXHAUSTING START _____ STOP _____

VENT 2

BLOWING START _____ STOP _____

EXHAUSTING START _____ STOP _____

VENT 3

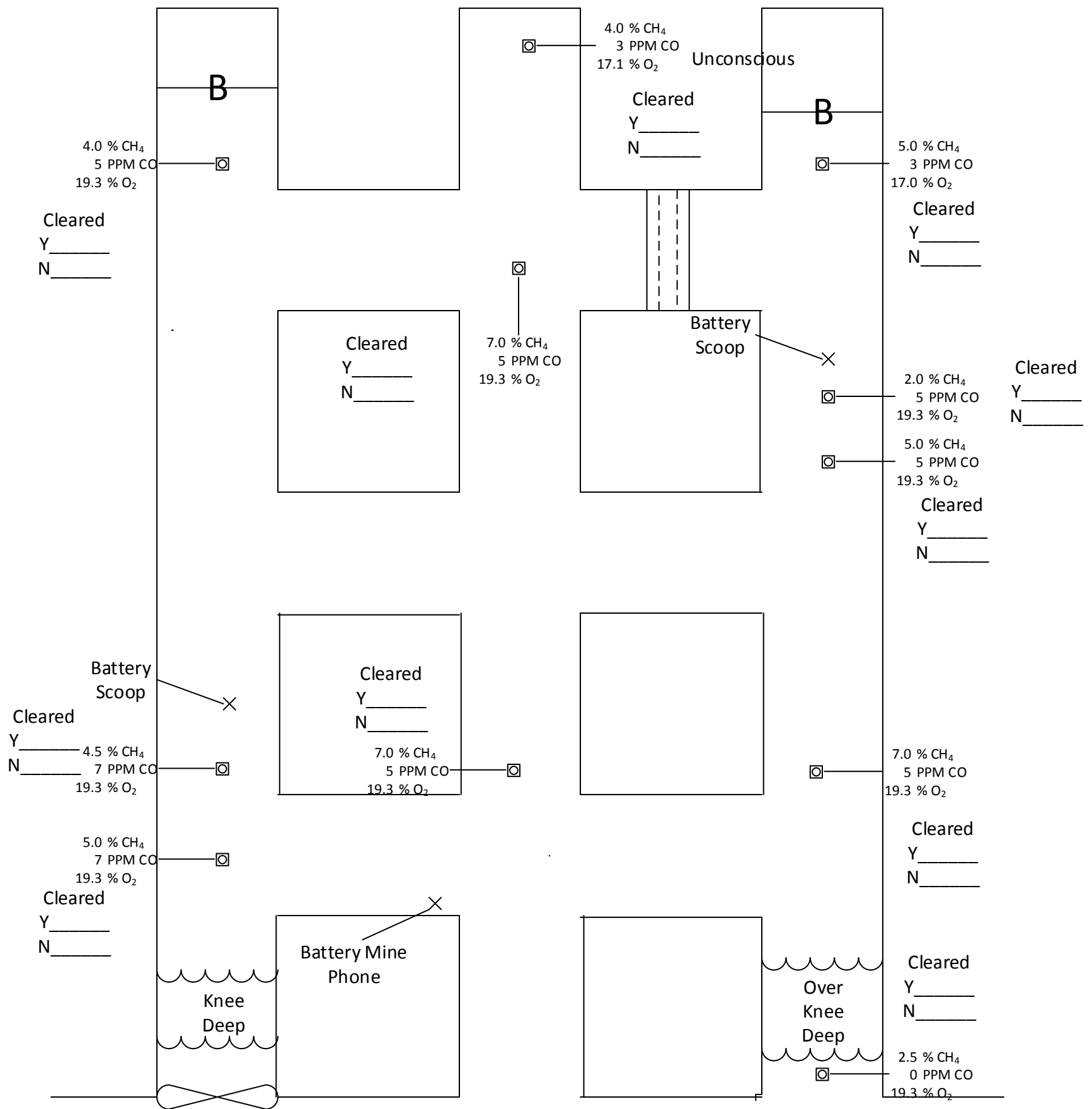
BLOWING START _____ STOP _____

EXHAUSTING START _____ STOP _____

VENT 4

BLOWING START _____ STOP _____

EXHAUSTING START _____ STOP _____



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FINAL VENT
 MAP