

**CRAIG, CO MINE RESCUE CONTEST  
AUGUST 4-6, 2009**

# MINE RESCUE

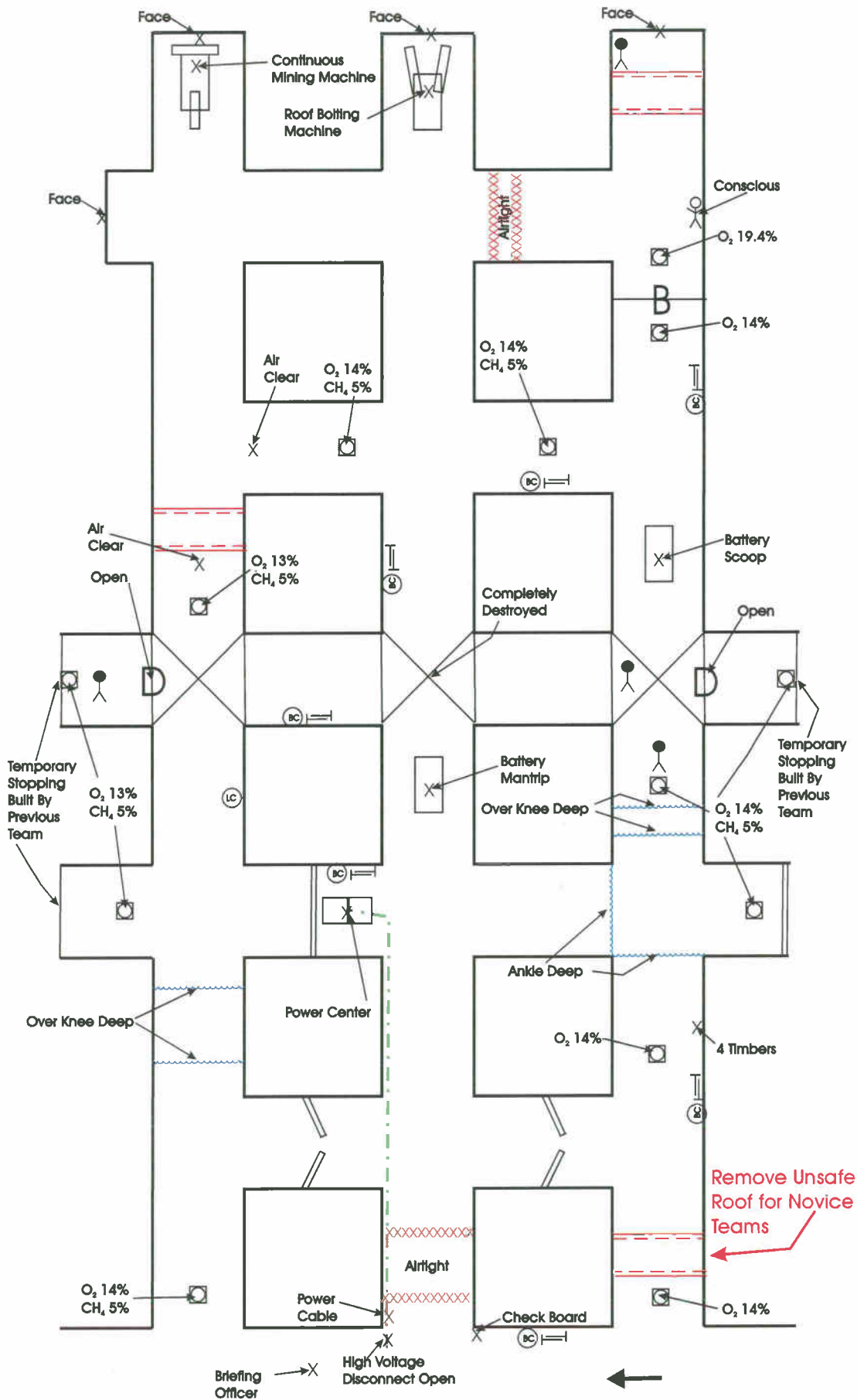


**1st PLACE WINNERS**

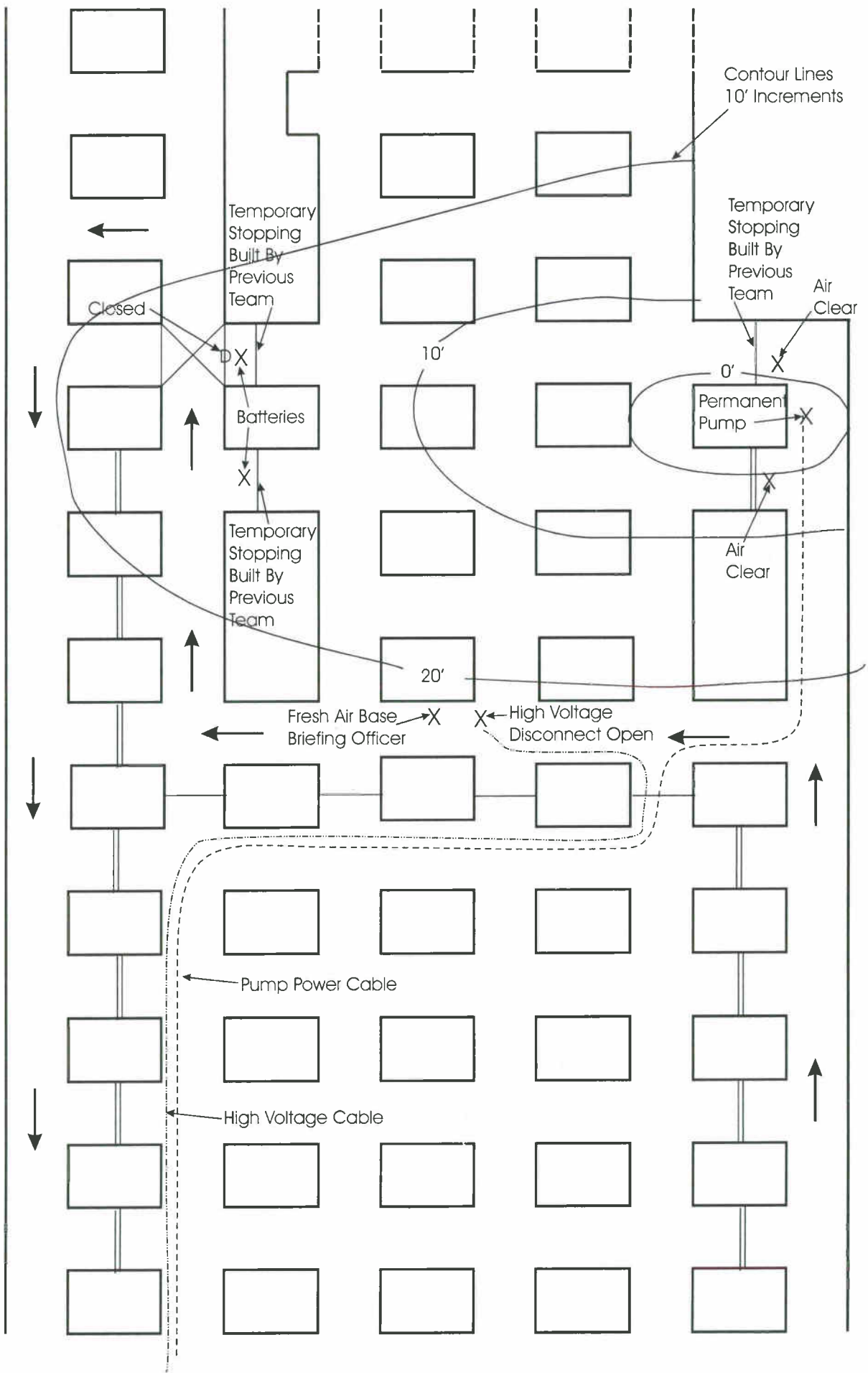
**ENERGY WEST MINING  
PRICE, UT MINE RESCUE CONTEST  
JUNE 2009**

# CRAIG, CO MINE RESCUE CONTEST - 2009

## 2nd RIGHT SECTION



# MAP OF ENTIRE AREA - 2nd RIGHT SECTION



# STATEMENT

I am \_\_\_\_\_, Superintendent of the Moffat #1 Mine. You are located at the fresh air base on the 2<sup>nd</sup> Right section. Last night, a maintenance crew of five miners entered the section to perform regularly scheduled maintenance work. A sudden power outage occurred and contact was lost.

The mine rescue team entered the mine but was unable to explore the entire section. Contact with the five missing miners could not be established. The mine rescue team encountered explosive ranges of methane and deep water preventing further exploration. A permanent electrical pump is located on the section in the second connector entry to the right as shown on the map of the entire area and water has been pumped so that further exploration can be done. The pump is energized and running. When the pump is turned off, the area will accumulate impassable water to the 20-foot contour line, as shown on the map of the entire area, within two minutes.

A map of the entire area showing findings of the previous explorations will be provided to your team, along with a map of the 2<sup>nd</sup> Right section. The map of the entire area includes contour lines to show the area that will flood if the pump goes off. These maps will be provided when you are ready to start.

We have backup teams available that can do outby work as directed. When your team requires a ventilation change to be made by the backup team(s), each change will require a minimum of two minutes. During this time, no additional work or team moves will be allowed. Making apparatus checks or reviewing the map will not be considered work. Once the request has been submitted, the team cannot stop or change the request. Each new request will require an additional two minutes to complete. All requests for outby changes must be initiated by a team member.

The mine is ventilated by an exhausting fan that must remain on and cannot be reversed. The mine's underground electrical power is energized and power is on to the permanent pump. The electrical power enters the underground mine through the Mains and the energized pump cable and high voltage cable to the section are marked on the map of the entire area. Electrical power in by the fresh air base, except for the pump cable, has been de-energized, locked-out, and disconnected at the high voltage disconnect at the fresh air base.

The coal seam is walking height and the roof is supported by roof bolts. We have a competent lifeline person to give and return signals. Due to adverse mine conditions, a total of 90 minutes will be allowed for each team to complete the problem.

**GOOD LUCK**

