PRICE, UT MINE RESCUE CONTEST JUNE 2-4, 2009

MINE RESCUE



1st PLACE WINNERS

ENERGY WEST MINING
FARMINGTON, NM MINE RESCUE CONTEST
APRIL 2009

PRICE, UTAH Mine Rescue Contest June 3, 2009

STATEMENT

You are located at the fresh air base of the1st Right section. Last night, there was a maintenance crew of 3 miners in the section doing regular maintenance work. A rise in carbon monoxide was reported by the AMS operator and attempts to contact the crew failed.

The section has been explored by our mine rescue team, but the team failed to explore the entire section or contact the miners. The team encountered explosive amounts of methane. A map of their explorations and findings will be provided to your team, along with mine maps when you are ready to start.

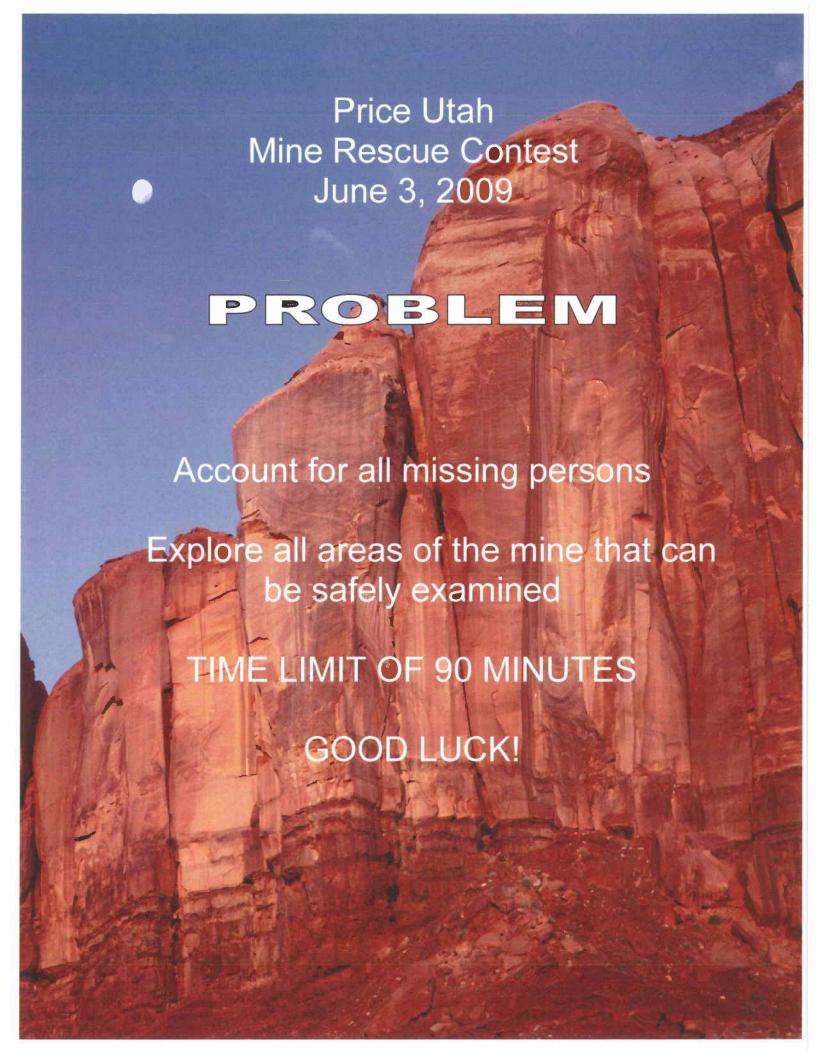
We have back-up teams that can build and remove stoppings for you, but cannot remove gases. When your team requires a ventilation change to be made by the back-up team(s), each change will require a minimum of two minutes. During this time, no additional work or team moves will be allowed. Making apparatus checks or reviewing the map will not be considered work. Once the change has been submitted, the team cannot stop or change the request. Each change will require an additional two minutes. All changes must be initialed by a member of the team.

The mine is ventilated by an exhausting fan that must remain on and cannot be reversed. The mine's underground electrical power is de-energized and locked-out on the surface, but can be energized if needed. The electrical power enters the underground mine through a borehole to the section power center. This borehole is located on the mine maps that will be provided to you.

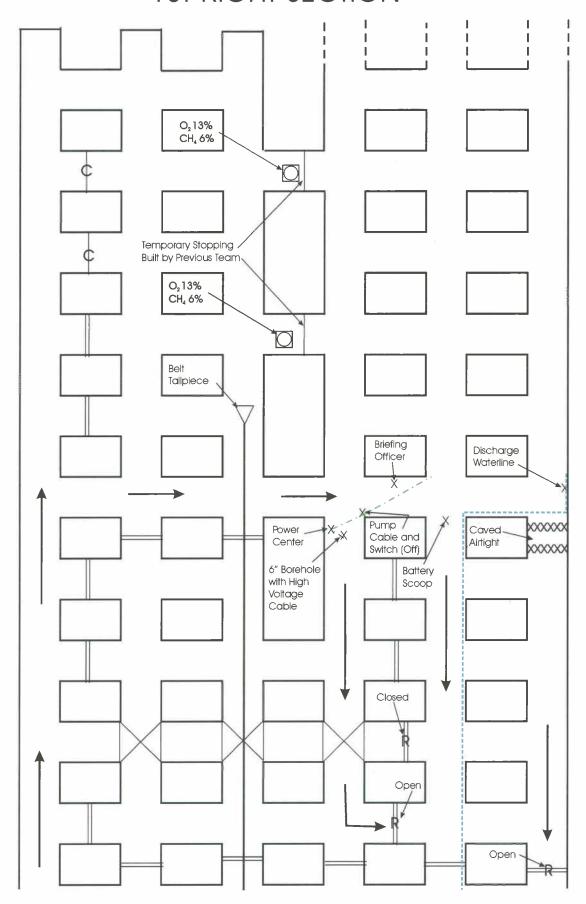
We recently mined into an area that produces large amounts of water and a sump has been established in the far right entry of the 1st Right section. Once the pump has been started, it must remain on to keep the area free of water.

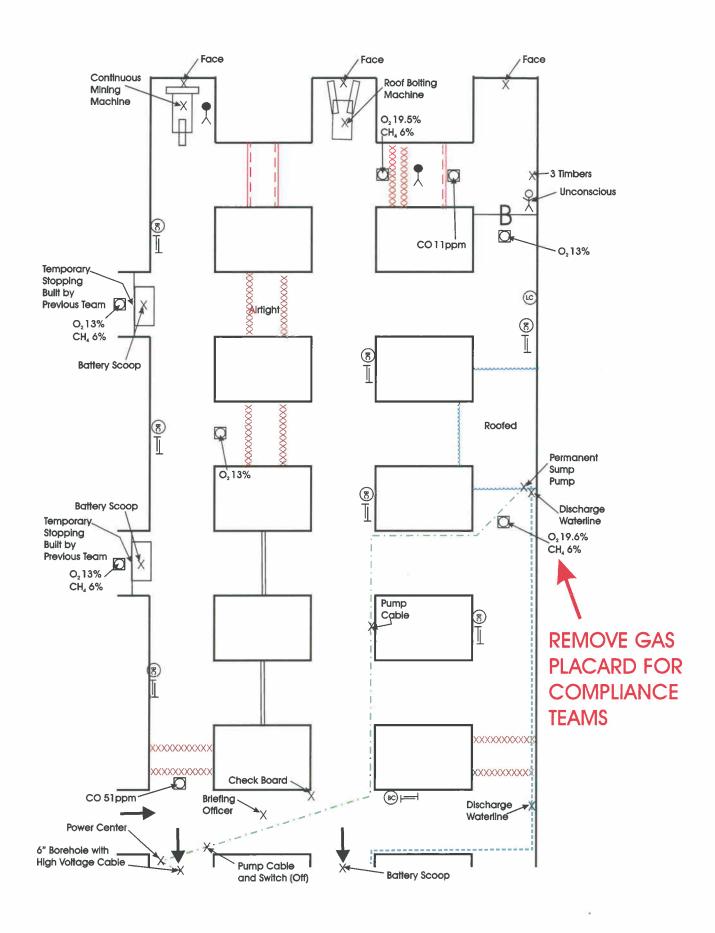
The coal seam is walking height and the roof is supported by roof bolts. We have a competent lifeline person to give and return signals.

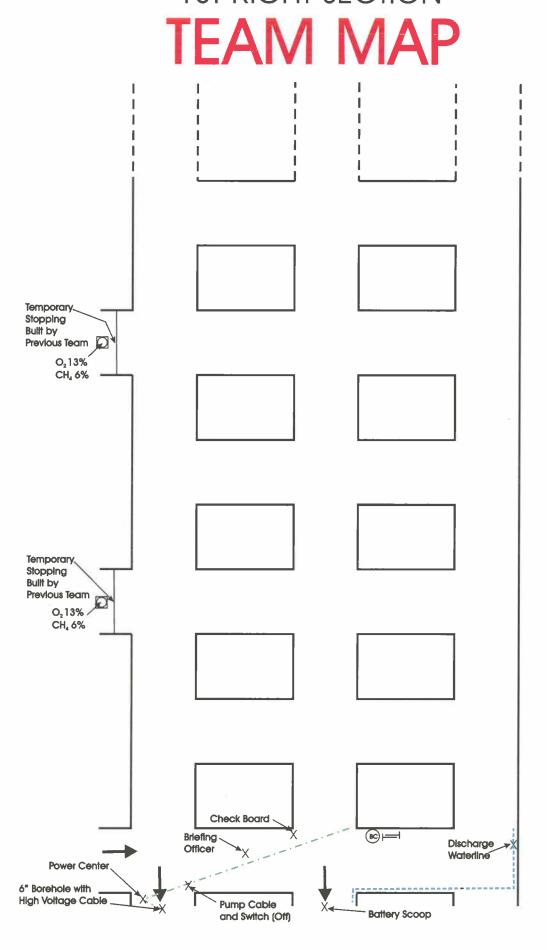
Due to adverse mine conditions, a total of 90 minutes will be allowed to complete the problem.



MAP OF ENTIRE AREA 1ST RIGHT SECTION

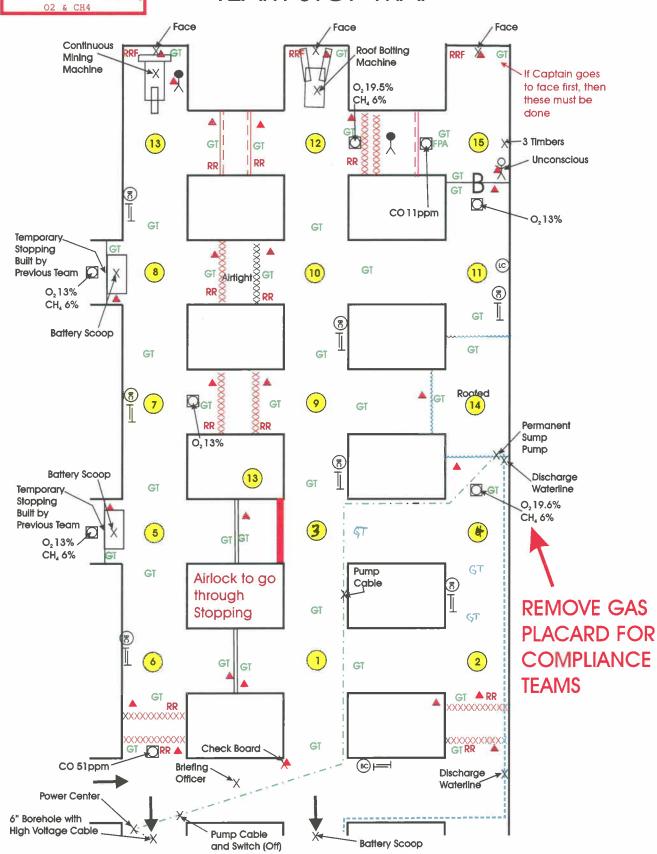




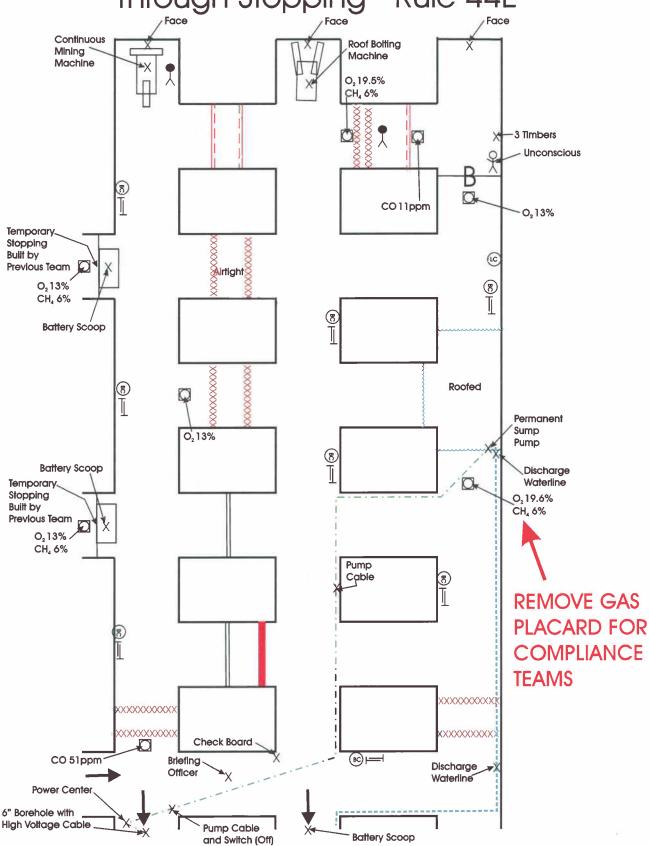


INDEX RR - ROOF & RIB TEST RRF - ROOF, RIB & FACE TEST DATE & INITIALS GT - GAS TESTS FOR CO,

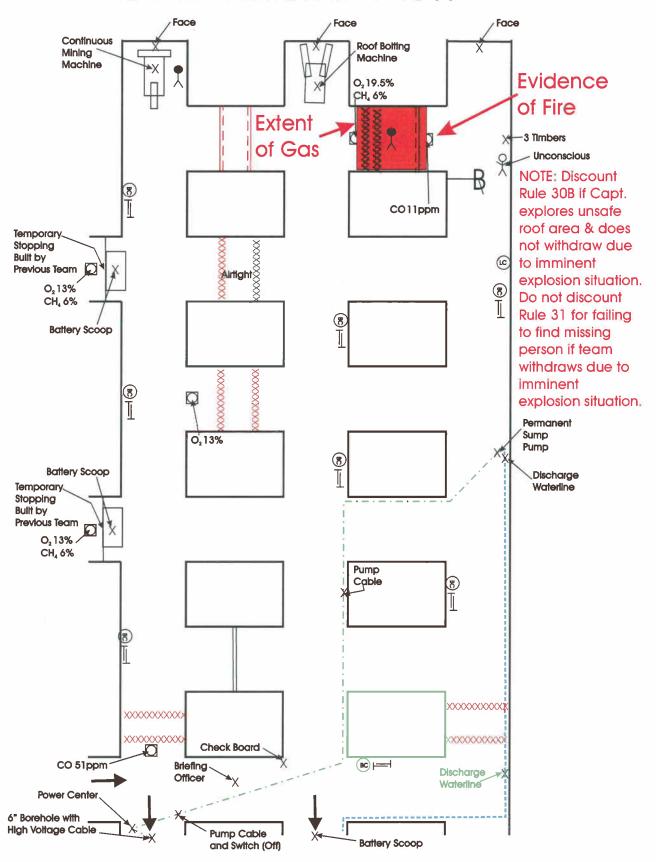
TEAM STOP MAP



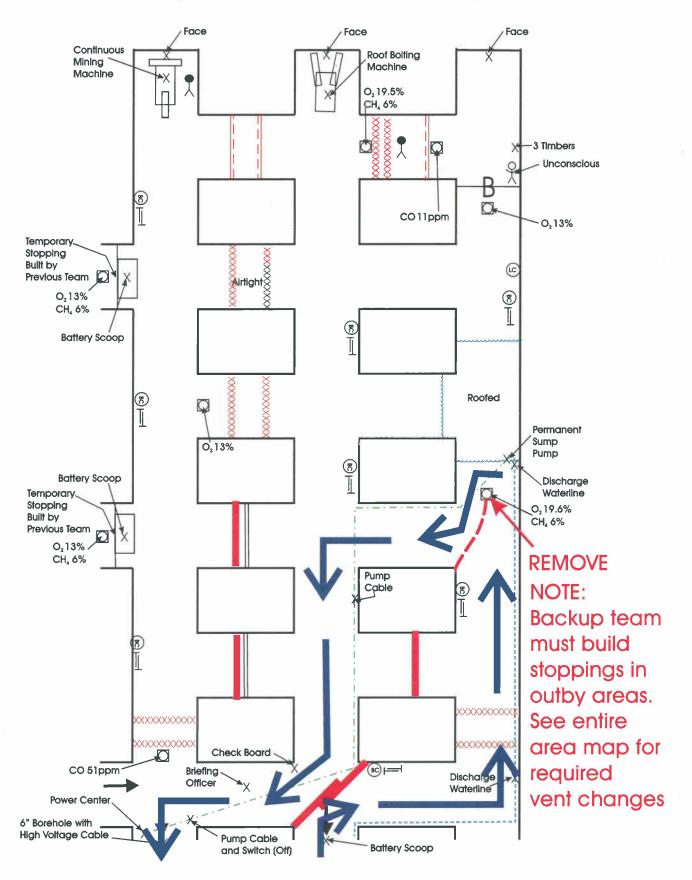
Airlock Required to Explore Through Stopping - Rule 44E



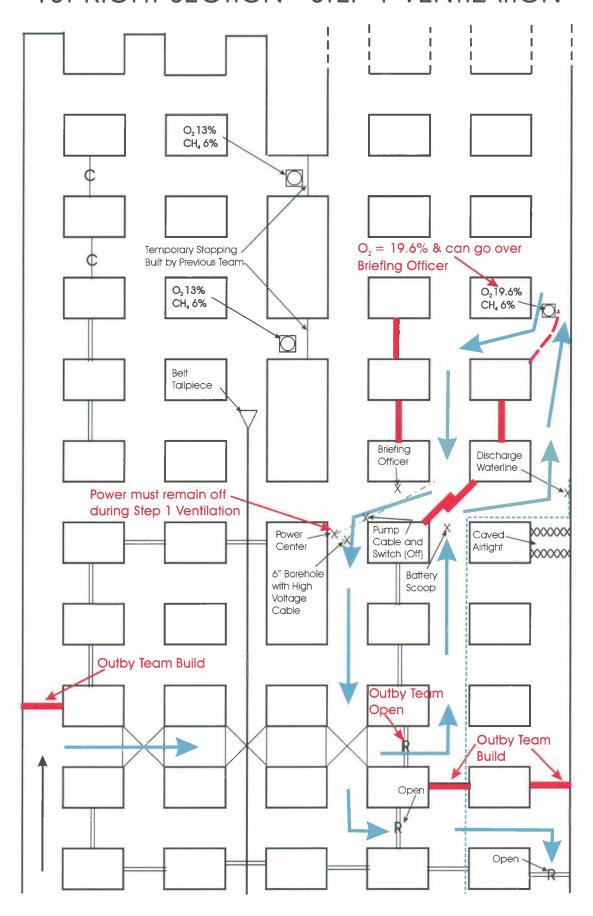
PRICE, UT MINE RESCUE CONTEST - 2009 1ST RIGHT SECTION BREACH BARRICADE - IMMINENT EXPLOSION TEAM MUST WITHDRAW - RULE 30.B.



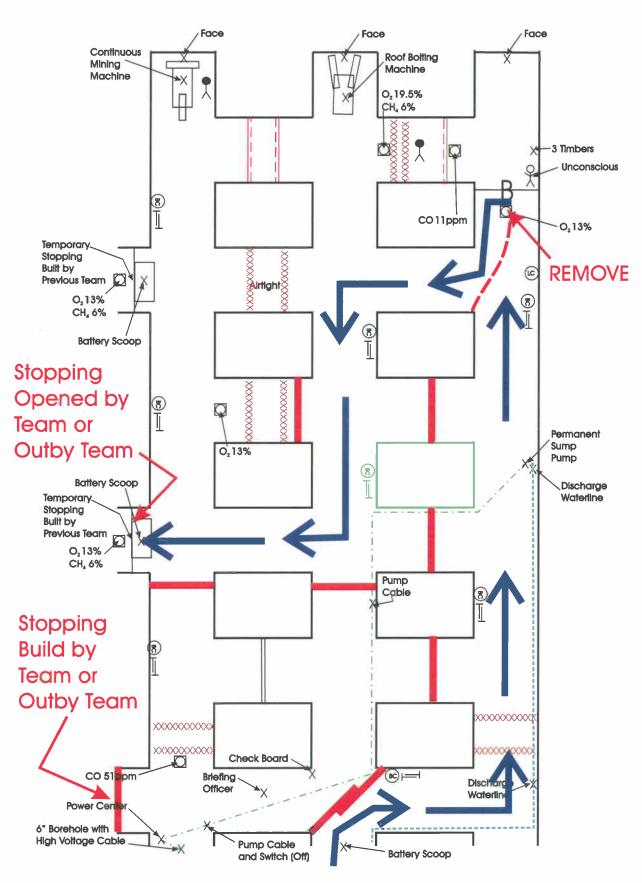
STEP 1 VENTILATION



MAP OF ENTIRE AREA 1ST RIGHT SECTION - STEP 1 VENTILATION



STEP 2/COMPLIANCE TEAM VENTILATION



MAP OF ENTIRE AREA 1ST RIGHT SECTION - STEP 2/Compliance Vent.

