

2015 Southwestern Regional Mine Rescue Contest

Ruidoso, NM

MINE INFORMATION

BACKUP TEAM(S)	A second backup team has arrived on mine site.
EXPLOSIVES	Explosives are available and stored on the surface.
UG ELECTRICITY	A 4160 Volt power line enters the mine by way of a lined bore hole, which supplies power to underground.
GAS	The mine has a non-gassy mine classification (Category VI).
GUARDS	Guards have been placed at each mine shaft and are monitoring the air quality at both locations.
MATERIALS	All materials to work the problem are located in the field problem and are identified by placards.
MINE MAPS	The mine map was last updated on April 1, 2015.
MINING METHOD	The mine was developed with the standard room and pillar method.
MINING EQUIPMENT	The mine utilizes continuous mining machines, diesel shuttle cars, electric shuttle cars, electric roof bolters, and diesel mantrips for transportation.
NOTIFICATION	All federal, state, and local officials have been notified.
OPENINGS	The mine has 3 openings: <ul style="list-style-type: none">• Shaft #1 is 10' in diameter and houses the cage that's used to hoist men and materials.• An 8' in diameter Shaft that is located in the northeast part of the mine and provides intake air.• An 8' diameter exhaust shaft is located on the Far West side of the mine. The exhaust shaft is equipped with a surface fan and serves as the main return for the mine. This shaft also serves as a secondary means of escape utilizing a one man diesel emergency hoist.
PHONES	The mine only utilizes two way hand-held radios for communication.

ROOF SUPPORT

Mechanical bolts are used in varying lengths for primary roof support. Wooden crib sets are used as a secondary means of support, where necessary.

VENTILATION

Two 84-inch diameter Joy axi-vane permissible fans are used to ventilate the mine, they are located at the top of the intake and exhaust shafts. The fans blow and exhaust about 25,000 cfm each and are reversible. Both fans are running at this time.

WATER

The mine pumps approximately 300 gallons of water daily. There is a main sump with a high pressure water pump (100 GPH) operating at the sump. The main controls are located on surface with additional controls underground. The main controls on surface are currently LOTO.