

**Southwestern Regional Mine Rescue Contest
Taos, NM
May 22, 2013**

MINE INFORMATION

AIR LINES	There are no air lines underground.
BACKUP TEAM(S)	Several backup teams are on-site at this time.
ELECTRICITY	A 7200-volt power cable runs down shaft #3 to permissible power centers near each working section and at the shop. The power center to the 1400 level shop is located near the fresh air base and has been turned OFF . There is no electrical equipment on the 1500 level.
EXPLOSIVES	Explosives are available and stored on the surface.
GAS	The Rattlesnake Mine has been classified as a non-gassy mine (category IV).
GEOLOGY	The mine is located in the Carlsbad Potash horizon. The 1400 level has a working height of 7 feet.
GUARDS	Guards have been placed at each mine shaft and all air surface air readings are good. The mine fan on shaft #2 is OFF while electricians are trouble shooting to determine why it shut down. It should be operable within an hour. Fan controls are on the surface and are locked and guarded.
HOISTS	Permanent hoist installations are in place at shaft #1, shaft #3, and shaft #4. Shaft #1 has a 12-man cage. Shaft #3 has a 20-man cage. Shaft #4 has a production skip that delivers potash to the surface.
MATERIALS	All materials necessary to work the problem are located at the mine.
MINE MAPS	The mine map was last updated on April 30, 2013.
MINING EQUIPMENT	There is one complete set of conventional mining equipment on the 1300 level and one complete set of conventional mining equipment on the 1400 level (none of the equipment is located in the shop). There is no equipment of any kind on the 1500 level.
MISCELLANEOUS	There is an office at the east termination of entry #1 in the 1400 level

shop. There is a parts room at the east termination of entry #3 in the 1400 level shop. There isn't any equipment in the 1400 level shop other than a permissible pump that gets power from the 1400 level shop power center.

NOTIFICATION

All federal, state, and local officials have been notified.

OTHER MINES

There are no other mines in the area.

PHONES

There are mine phones located throughout the mine, including one near the 1400 level shop office. **The mine manager is waiting by the phone in his office.** All phones are permissible.

ROOF SUPPORT

Mine roof is scaled with a permissible, diesel-powered mechanical scaling machine and bolted with 5-foot resin bolts.

SUPPLY HOUSE

All materials and supplies are located either underground or outside near the shafts.

VENTILATION

A 5-foot fan on the surface of shaft #2 is in exhaust mode. A 7-foot fan on the surface at shaft 3 is in blowing mode. Both fans are non-reversible. **All fan controls are on the surface.**

Permanent stoppings are constructed of concrete blocks that are mortared and plastered. Temporary stoppings and check curtains are made from rolled brattice cloth.

WATER

The Rattlesnake Mine has encountered large amounts of water on the 1300 level and 1400 level. There are pumps located throughout the mine, including one in the 1400 level shop. The shop pump gets power from the shop power center located near the fresh air base. **The controls are permissible** and located near the pump.

WATER LINES

A 4-inch fresh water line runs down the #3 shaft. There is a 4-inch vertical discharge water line from the sump at each shaft.