

mixture of dust and gas capable of propagating an explosion and already in suspension. The resulting force would be as found, increasing toward the outside and diminishing toward the face. The main air course did not carry the explosion, as it was protected by standing water and fallen slate. The long stretch of standing water in 1 north, as well as expansion into the east entries, prevented the propagation in this direction. In 1 east pick-up, the expansion was so rapid that violence stopped at the second crosscut. In 6 main, expansion helped to reduce the violence. In 2 south, the coking indicates a dying out of violence.

MEN KILLED IN EXPLOSION

1. O. C. Dowdle,	Inside Foreman and Fireboss
2. Elmer Null,	Track Cleaner
3. Cecil Stump,	Track Cleaner
4. N. D. Honaker,	Pump Man
5. Roy Garrett,	Bailer
6. Clyde Matney,	Bailer
7. Delbert Willis,	Drill Helper
8. Dave Adams,	Driller
9. Drew Wallace,	Ventilation Man
10. Roy Sproles,	Ventilation Man

RECOMMENDATIONS

In order to prevent a recurrence of a similar disaster, the following recommendations are offered. The most urgent features have been discussed with the company officials.

1. The fan should be operated continuously at least 12 hours previous to the beginning of any shift.
2. Every open accessible part of the mine should be thoroughly and carefully examined for gas before anyone but the fire boss be permitted to enter.
3. The findings of such inspections should be entered in a