Interstate 79 Longwall Mining

Pennsylvania Department of Environmental Protection
Bureau of Mining and Reclamation
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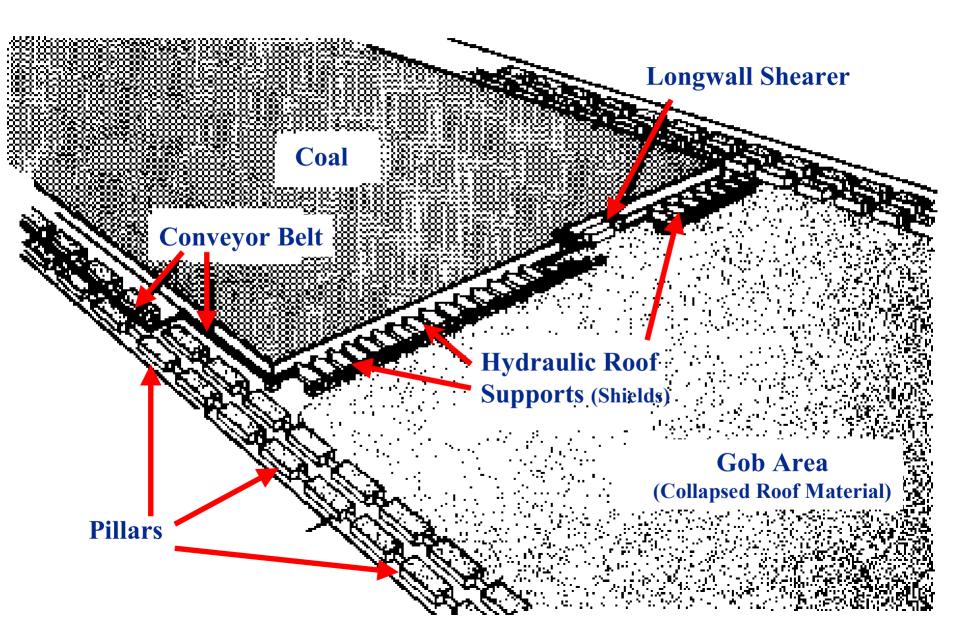
What is Longwall Mining?

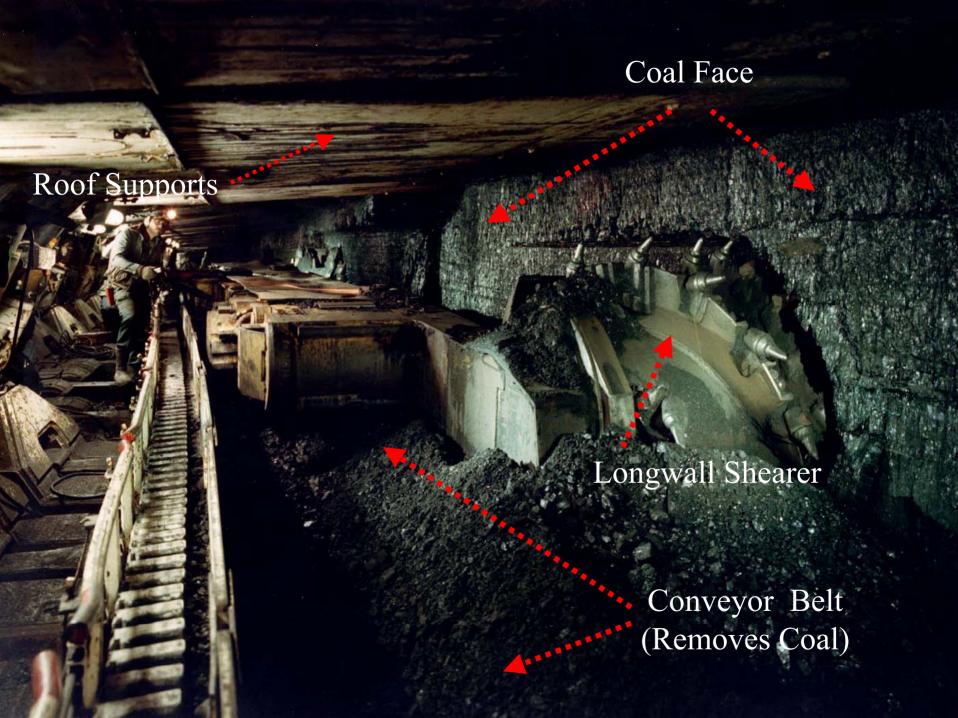
Longwall Mining

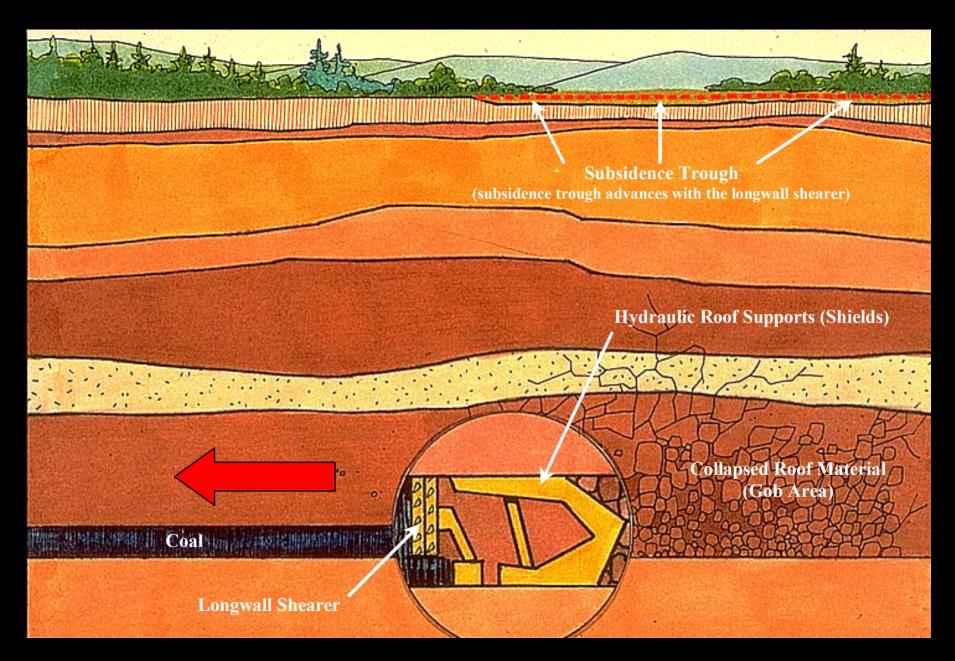
In longwall mining, a large panel of coal is isolated by the development of entries and crosscuts called mains. The longwall mining shearer is then set up along the coal face. This face can be anywhere from 800 to 1,500 feet wide.

The coal is removed by a longwall shearer. This shearer continuously moves across the width of the panel and removes the coal face. The mined coal is then hauled by a conveyor along the length of the face and removed from the mine. The roof is supported by special hydraulic supports and shields that are advanced as the mining progresses. The mine roof is allowed to collapse behind in a carefully controlled manner.

TYPICAL LONGWALL SECTION







Longwall Mining





To learn more about underground mining, visit PADEP's:

Bureau of Mining and Reclamation at:

http://www.dep.state.pa.us/dep/deputate/minres/BMR/BMRhome.htm