





| Cavir Long | g Methods: vall Mining Basic Facts | Overhead 3.8.4 20102/2006 | | |
|---------------|---|------------------------------|--|--|
| | Caving method | | | |
| | • Mining of a long face between sets of er | ntries | | |
| | Material is mined in thin slices along the advancin | | | |
| | • Very often continuous mining systems | | | |
| | • Used in flat-lying, thin and tabular depos | sits | | |
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| Caving Methods: | | | Overhead 3.8.6 20/02/2006 | | | | | |
|-------------------------------|---|----------------|------------------------------|---|--|--|--|--|
| LONGW | | D | evelopment | 1 | | | | |
| - | Development with conventional drilling and blasting, roadheaders or continuous miners | | | | | | | |
| | Main entries across the mining lease | | | | | | | |
| | One or more access drifts along each panel | | | | | | | |
| | Possibly additional bleeder entries for degassing | | | | | | | |
| Typical dimensions of a panel | | | | | | | | |
| | F | Panel length | 9002700 m | | | | | |
| | F | ace length | 150300 m | | | | | |
| | F | ace width | 2.43.6 m | | | | | |
| | , | Seam thickness | 15 m | | | | | |
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| Cavir Long | g Methods: vall Mining | Equipment 1 | Overhead 3.8.11 20/02/2006 |
|---------------|---|---|-------------------------------|
| , | • Developme Drill rig TBMs Roadh Contin | nt: gs neaders nuous miners | |
| | • Mining: Shear Plough Drilling | er (for thick seams) h (for thin seams) g and blasting (for hard rock mining) | |
| | • Haulage: Armou Scrape LHD (1 | ired face conveyor er (for hard rock mining) for hard rock mining) | |







Caving Methods: Longwall Mining

Equipment 5

Overhead 3.8.15

Heintzmann Continuous Longwall Miner



















