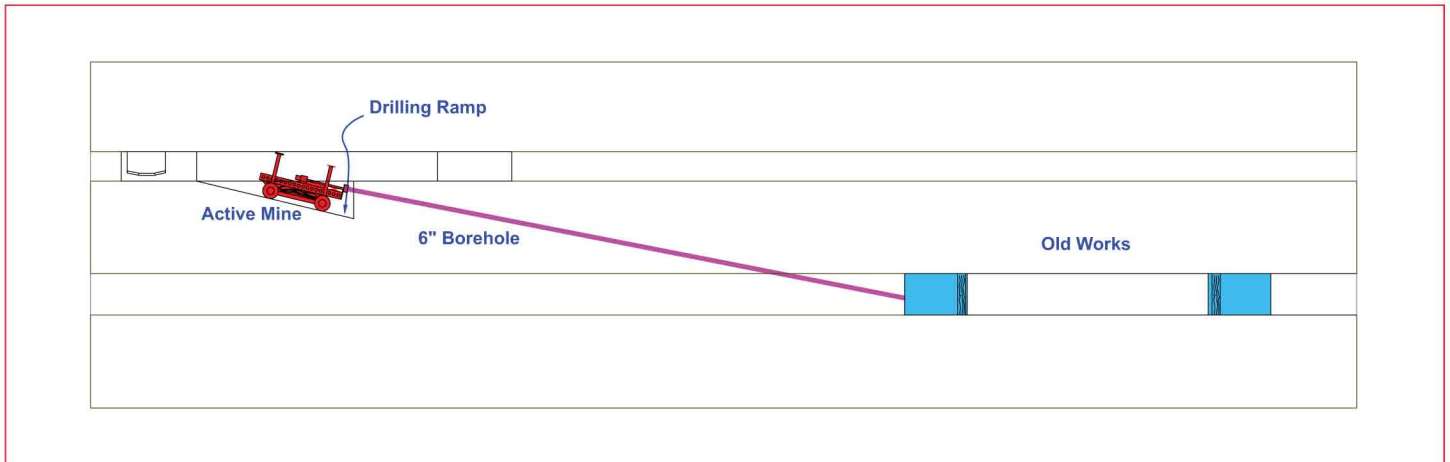


Water Drainholes Targeting Adjacent Coalbeds

Water Drainholes

Boreholes can be drilled to abandoned mines in adjacent seams either above or below the mined coalbed for drainage. Wellhead control prevents uncontrolled discharge of water.



Water Drainholes – Coalbed being mined to adjacent coalbed previously mined

- Boreholes can be drilled either updip or downdip to adjacent seams to intercept abandoned and flooded mine works for drainage
- Downdip borehole to the seam below
- Installed 110 feet of 6 inch collarpipes and grouted in place
- Directionally drilled pilot borehole into abandoned mine, with 27 ft head of water
- Reamed pilot borehole to 6" diameter
- Wellhead control maintained at all times prevents uncontrolled discharge of water