## 43. S ed g e d

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## ■ For hard rocks, cutting tools will need cooling and lubrication.

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- Rock cuttings and debris must be removed.
- Unconsolidated formations will require support to prevent the hole from collapse.

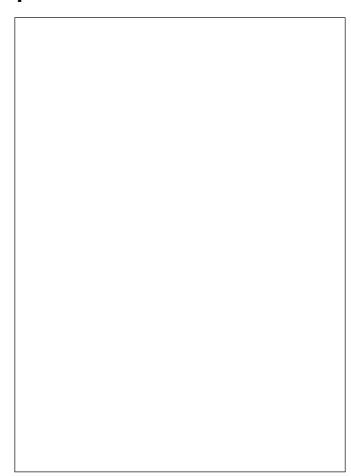
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l. 60

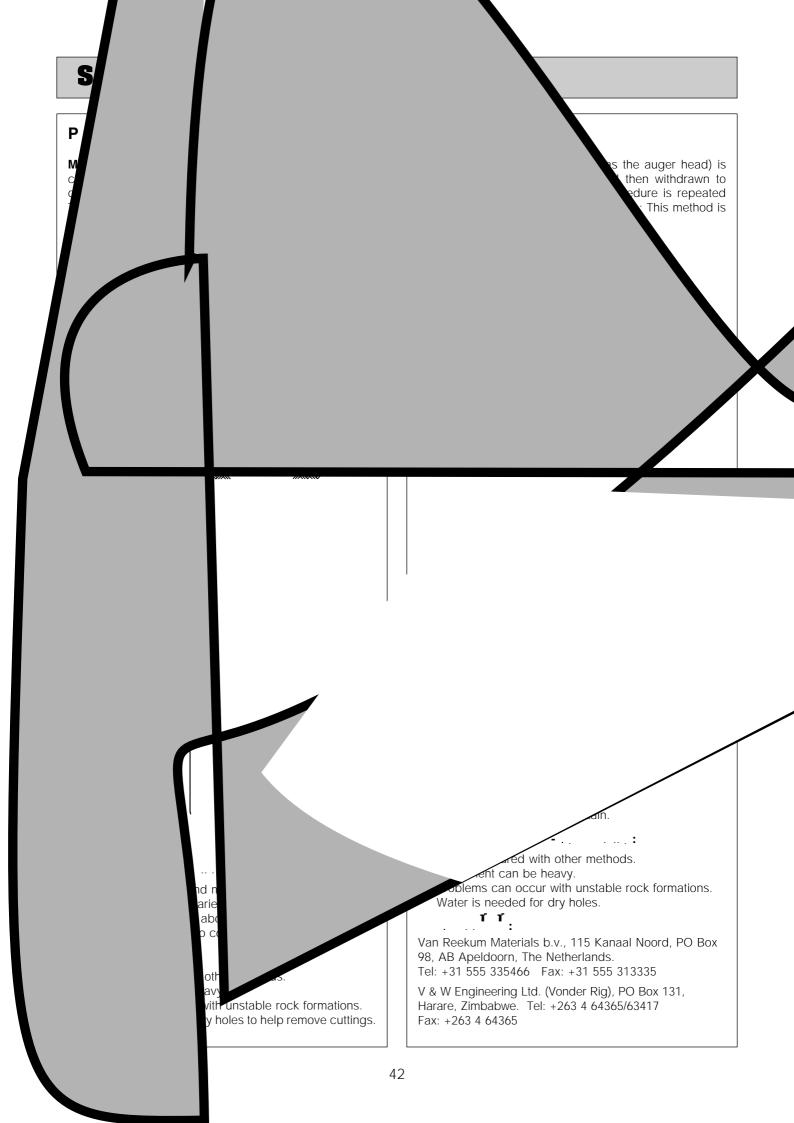
The following low-cost, appropriate drilling methods are described and illustrated on the following pages:

- Percussion drilling
- Hand-auger drilling
- Jetting
- Sludging
- Rotary-percussion drilling
- Rotary drilling with flush

The table below may be used as a guide in the selection of the most appropriate drilling method.



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. :Water is pumped down the re of the drill-rods, emerging as a lt then returns up the borehole or l-pipe bringing with it cuttings and bris. The washing and cutting c e formation is helped by rotation d by the up-and-down motion he drill-string. A foot-powered t lle pump or a small internal-com ion pump are equally suitable

