Appearance of strata in image logs of boreholes I

Vertical borehole in horizontal strata

- Conductive or slow
- Resistive or fast

Steeply dipping fracture, dipping to north

Steeply dipping fracture, dipping to west

Gently dipping fracture, dipping to south

Gently dipping fracture, dipping to east

More generally (ignoring labels at top):
- borehole perpendicular to strata.
- Unlikely situation:
- horizontal borehole in vertical strata,

Horizontal borehole in horizontal strata

High

Low

High

Gently dipping fracture, with dip parallel to hole

Gently dipping fracture, with dip oblique to hole

Steeply dipping fracture, with dip parallel to hole

Steeply dipping fracture, with dip oblique to hole

More generally (ignoring labels at top):
- borehole parallel to strata.
- Unlikely situation:
- vertical borehole in vertical strata

If the yellow-and-brown pattern at left is perplexing, the left side of Part II of this pair of PGSG pages may help.

LBR with the insights of Chris Ginn  PGSGImageLogOrientations01.odg  9/2013