The uncertainty short-list, root causes and probability trees



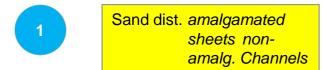
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'Long list' of 8 uncertainties with 256 possible combinations (figure right) is reduced by considering:

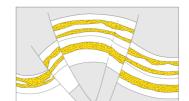
- whether the model purpose is not sensitive to some uncertainties
- whether some are interdependent and should therefore be combined and
- whether some uncertainties are the root cause of the others: in this case simply work on the root cause.

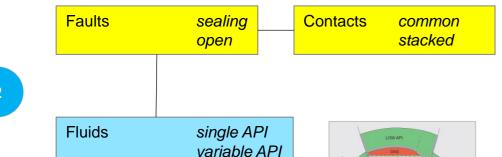
The regrouped uncertainties, now reduced to three and sketched for clarity (figure below) can be diagrammatically laid out on a probability tree (figure bottom right)

The uncertainty 'long list' converted to a 'short list'









poor



