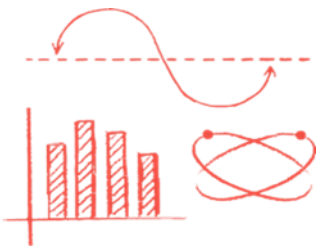
Risk Based Plug and Abandonment

Acona provide a risk based analysis approach to complex wells issues and right scoping of barriers as an alternative to industry prescriptive standards, in line with risk based rules and regulations and Client's risk tolerance criteria and the As-Low-As-Reasonably-Practicable principle. Comprehensive documentation and a recommended P&A design is the outcome.



It is recognized by the industry that something has to be done in order to bring the worst case complications and cost down. One element is improved technology, another acquiring and applying improved knowledge, better well designs and in the end improved risk management. Examples indicate the possibility of saving up to 70 % of the cost.

A risk based approach, as required by regulations, also mean not being limited by the prescriptive standards established (like API and NORSOK prescribed requirements).

A risk based approach require MORE brainpower and planning than the normal cookbook approach, but might in the end be both overall better, safer and cheaper. The main steps being:

- Establishing a team with relevant expertise within geology, reservoir and petroleum engineering, plug and abandonment engineering, and risk analysis.
- Perform a detailed assessment of every potential influx source along the well, from TD to surface / seabed.
- Assess the potential for leaks to surface / seabed from every zone in the eternity perspective; pressures, rates, volumes.
- Define the risk based plugging and abandonment design.
- Establishing the prescribed (standards) basis of design.
- Evaluate and compare and make risk based decisions towards the asset's and environment's short and long term perspective .

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