Skim Tank Internals

Our Experience

Eta offers customised Skim Tank packages for the reduction of oil and gas in produced water. Eta maintains project management and quality assurance standards that are in compliance with the requirements of the leading oil and petrochemical companies across the globe.

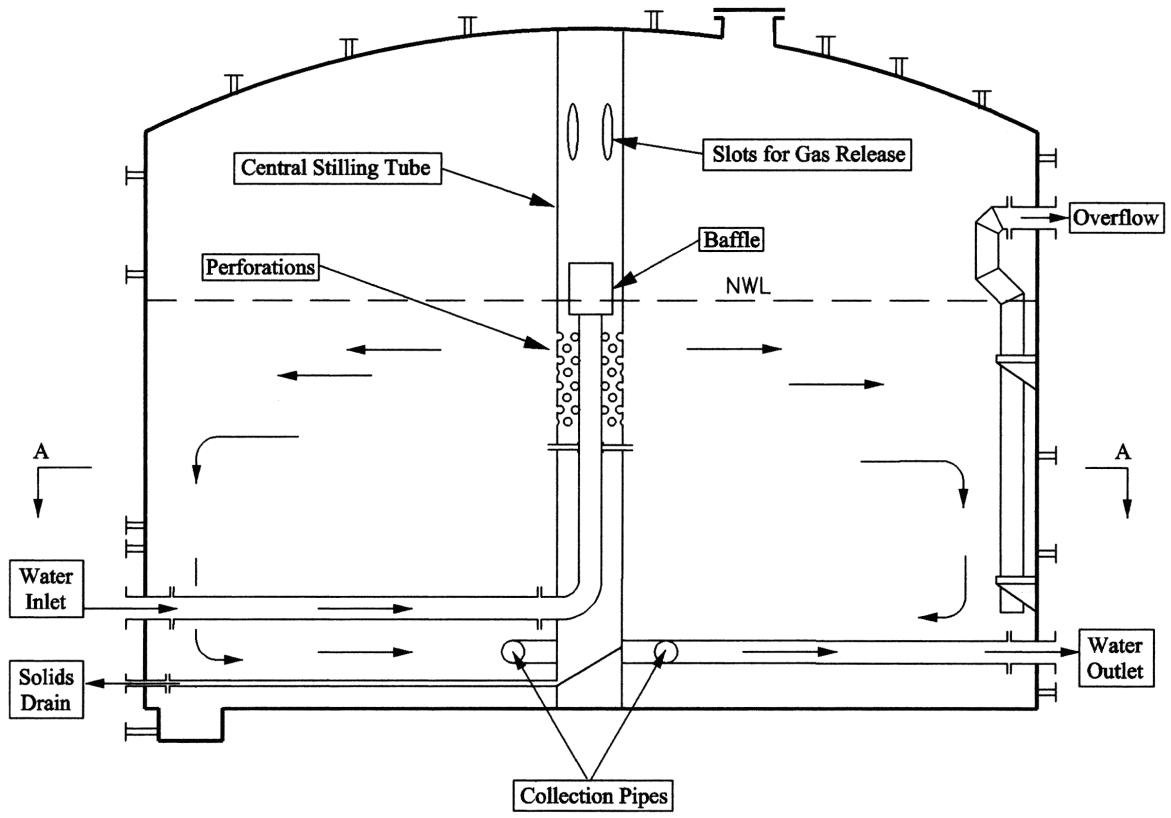
Eta's optimised process design and comprehensive project management can produce a cost-effective package.

Our Technologies

Skim tank internals are selected by in-house design models supported by Computational Fluid Dynamic (CFD) modeling to optimise oil/water/gas separation. The internals can be designed to cover a wide range of inlet specifications to accommodate fluctuating oil, gas, and suspended solids concentrations and can be installed into existing tanks.

DESIGN FEATURES

- As the produced water is often sour, enclosed gas blanketed tanks are used.
- Gases are separated in a central stilling well to prevent excessive turbulence in the oil separation zone.
- The design allows for the separation of higher density sludges through a flushing system at the base of the stilling well.
- The internals can be retro-fitted into existing tanks.
- A floating oil skimmer or tank weir can be used for removal of the separated oil layer.



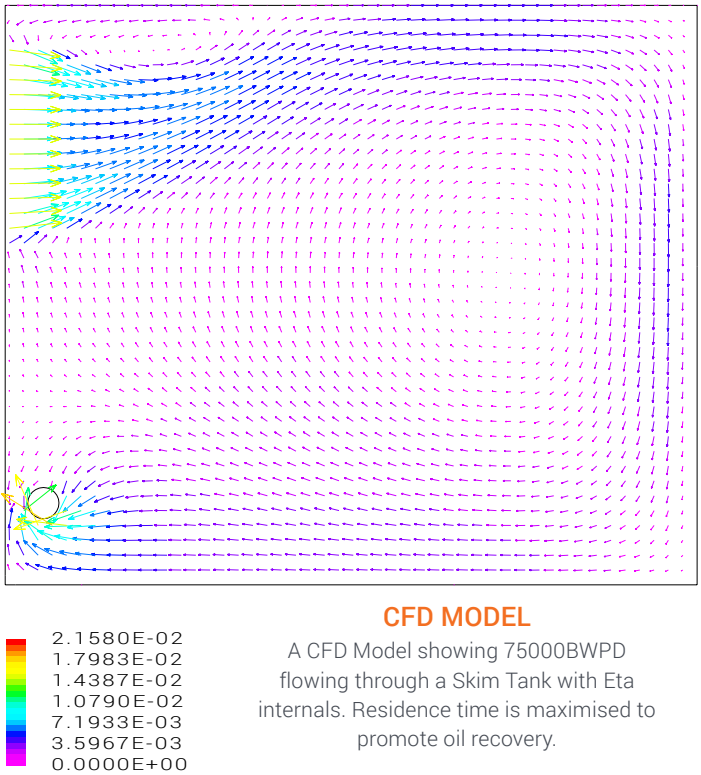
SKIM TANK SCHEMATIC

Continuous Support & Service

Eta's engineers are closely involved in all aspects of your project starting with process evaluation, integration and optimisation, followed by detailed process and mechanical engineering, E&I and design through complete fabrication, assembly, inspection, testing, and commissioning as well as post-commissioning operations service.

References

Eta has extensive reference lists available upon request.



CFD MODEL

A CFD Model showing 75000BWPD flowing through a Skim Tank with Eta internals. Residence time is maximised to promote oil recovery.

FLOATING OIL SKIMMER

Please contact us for further information.

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