State of Fluid: A Combination of both production and flow-back water mixed with significantly nasty drill cuttings held in a sealed pond.

Client Expectations: Removal of hydrocarbons significant enough to meet the necessary standards for discharge into public waterways.

The process: We ran the flow through the Arc unit on a single pass and discharged the fluid to a series of Frac tanks. The discharge fluid completely de-emulsified and after a 3-day settling period the fluid was sampled and sent to a third-party laboratory for full testing.

The Results: The results indicated non-detectable number of hydrocarbons.

TPH: Total Petroleum Hydrocarbons

The totality of these tests measured all hydrocarbons present in the original test sample and as proven by the included data, the resulting effect demulsified in excess 99% of the hydrocarbons resulting in the ability to recover the hydrocarbons for resale or reuse and subsequently discharge the remaining water to the nearby river as it now meets the standards outlined by Federal Fisheries for reintroduction.