

Expro Excellence

Innovative well testing solution for recovering entrained oil in evaporation pond

Well Flow Management | Well Testing



Objectives and background

- The client has a long-standing relationship with Expro for well testing and well flow management services with Expro consistently demonstrating exceptional performance by proactively providing solutions to any challenges that arose.
- The client has historically disposed of produced water via an evaporation process however they faced processing facility challenges, caused by elevated water production in brown fields leading to reduced oil/water separation efficiency and higher oil content in the separated water. Low separation efficiency translated into spilling of hydrocarbons into the evaporation pond and significant commercial losses from unrecovered oil.
- Failure to implement a solution would have resulted in significant environmental risk for the client along with the continued manual extraction and disposal of fluids using trucks incurring ongoing costs and loss in revenue

Expro Excellence

- Recognizing Expro's professionalism, close relationship with the client, and operational efficiency, the client approached Expro to provide a prompt solution through an existing contractual platform.
- Expro demonstrated its commitment to solving complex environmental challenges, optimizing operational costs, and maximizing oil recovery for the client challenges
- Following a thorough analysis and collaboration between Expro's experts and client's teams, a comprehensive solution was deployed with an oil recovery package
- The implementation of the Expro oil recovery solution has also added notable environmental benefit by improving the water evaporation process and eliminating the requirement for trucking of water disposal, thereby reducing carbon emissions associated with transportation as well as the cost and minimizing overall project carbon footprint

Value to the client

- Approximately 43,000 barrels of oil (BBLs) were successfully recovered from the ponds designated for water disposal, resulting in a revenue gain of approximately 3.2 million dollars for the client (based on the oil price at that time)
- Enhancing the overall operational efficiency highlights the client's and Expro's commitment to minimizing the ecological and environmental impact of its operations
- The efficiency of water evaporation has significantly improved, eliminating the need for costly water disposal via trucking

Lower carbon footprint



Enhanced production



Indeed, this is a tremendous accomplishment, demonstrating the teamwork across three different companies, who have personally exhibited a high level of HSE commitment. Please pass on my sincere thanks to all for their efforts and wishes to continue the safe recovery the remaining oil from soakaways and pits