

EnerLITE RECOVER[†] Transforms Well Economics, Saving More Than \$100,000 Over 4 Wells



CHALLENGES

Drill salt sections and fragile Cherry/Brushy Canyon formations without the need for two intermediate casing strings

Maximize the economics of the EnerLITE direct emulsion system



SOLUTION

EnerLITE direct emulsion system to minimize salt washout and control density below fracture gradient

EnerLITE RECOVER in solids recovery mode to maximize solids removal efficiency



RESULTS

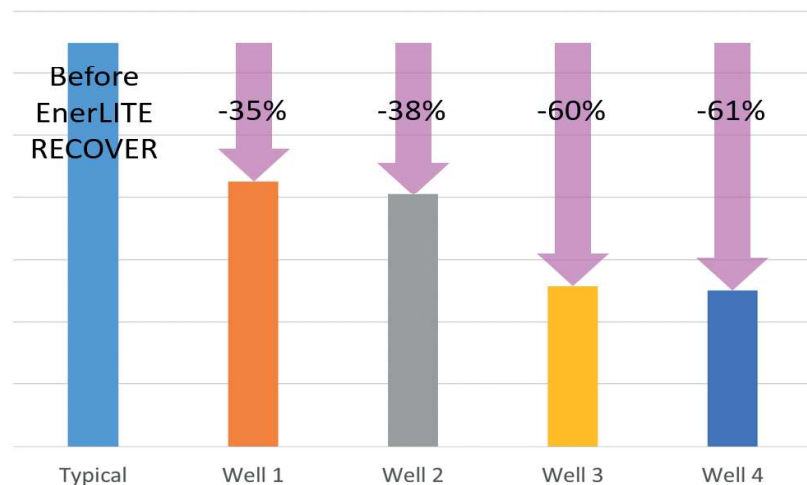
- \$100,000+ saved over four wells
- Reduced transportation of diesel
- EnerLITE system eliminates intermediate savings; EnerLITE RECOVER lowers costs even further

OVERVIEW

As customers experience the benefits of the EnerLITE RECOVER service, savings continue to accumulate. EnerLITE RECOVER limits diesel usage to maintain mud weight by enhancing solids removal. EnerLITE RECOVER employs a special flocculating treatment that does not impact fluid properties while controlling drill solids accumulation.

After several successful field trials, AES Drilling Fluids introduced the system to customers. Careful tracking of benchmarks was used to demonstrate the value of using the EnerLITE RECOVER service. In a comparison to historical diesel usage, dilution has dropped considerably.

The graphic below shows typical diesel dilution volume on a well before EnerLITE RECOVER and the following wells show the reductions with the EnerLITE RECOVER service. In diesel cost alone, this amounts to more than \$100,000 saved in the first four wells, excluding the transportation and logistics savings.



Diesel dilution reduction on 4 wells after the introduction of EnerLITE RECOVER

DETAILS

In most cases, EnerLITE RECOVER utilizes the solids control equipment on location. An AES Drilling Fluids solids control specialist verifies the setup provides maximum performance and supervises the treatment.

EnerLITE RECOVER is run as needed to control solids accumulation, typically lowering the centrifuge effluent density by 0.3 lbm/gal or more. This limits diesel required for mud weight control usually needed as fine drilled solids build up in the system.

Customers now use EnerLITE RECOVER as the standard when the EnerLITE system is in use - and the savings continue to accumulate.





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