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Optimization of multistage fractured horizontal wells in tight oil based on embedded discrete fracture model

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Highlights

- We couple EDFM and intelligent algorithm to optimize MFHW parameters in tight oil.
- Our framework is more flexible and capable of dealing with more parameters.
- Variables in our optimization framework are continuous.
- The performance of MCS is firstly investigated in the MFHW optimization problem.
- CMA-ES can handle single MFHW optimization problem efficiently.

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