

» NAKASAWA RESERVOIR ENGINEERING

Innovation in Action: Nakasawa and Strategic Decision Making in Reservoir Engineering for Optimal Development of Steam Injection Projects

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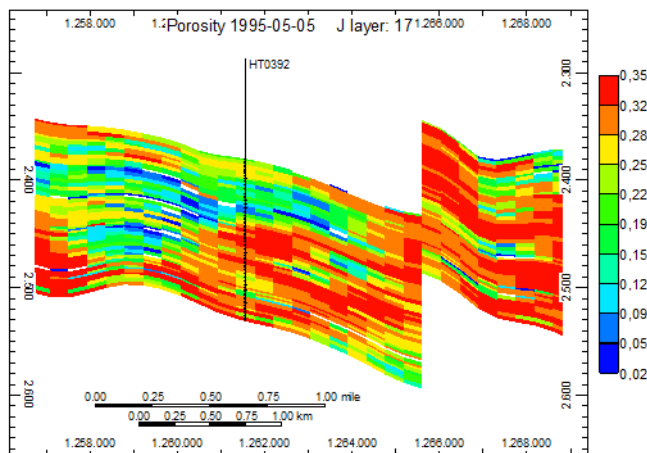
In the competitive world of steam injection in the heavy oil industry, NAKASAWA and its technical team have established themselves as a unique entity by offering much more than the design, manufacture, and operation of steam generators. What truly distinguishes this company is the inclusion of a specialized team in reservoir engineering as an integral part of their services. This approach goes beyond equipment manufacturing; it is a commitment to technical excellence that makes a significant difference in the success of steam injection projects.



Unlike conventional steam generator manufacturers, NAKASAWA understands the complexity of heavy oil reservoirs. Its team of reservoir engineering specialists not only designs and manufactures steam generation equipment but also deploys experts who can develop thermal exploitation plans and make real-time decisions during steam injection operations.

This level of involvement ensures dynamic adaptability to the changing challenges that can arise during steam injection or when studying prospects for injection, from variability in permeability, pressures, viscosity, types of completions.

NAKASAWA's unbreakable commitment to excellence in reservoir engineering. By integrating this unique perspective into their services, the company not only provides conventional generation service but a complete solution that addresses the specific complexities of steam injection in heavy oil reservoirs. This differentiated approach is the key to its success and the reason why NAKASAWA is at the forefront of innovation in EOR processes.



ADVANTAGES OF INTEGRAL SOLUTIONS

- 1. Reservoir Performance Optimization:** A comprehensive reservoir analysis allows for a better understanding of the geology, rock and fluid properties, permeability, pressure, and other variables, leading to a more precise optimization of steam injection. This maximizes efficiency and production of the reservoir.
- 2. Real-Time Decision Making:** The presence of trained reservoir engineering specialists enables real-time decision-making during steam injection operations. This is crucial to adapt to changing conditions and ensure the ongoing success of the project. These reservoir engineers provide support to the operation engineers.
- 3. Risk Reduction:** Detailed knowledge of reservoir variables reduces operational risks. By addressing factors such as variability in permeability within the same reservoir or other characteristics, the company can anticipate challenges and mitigate potential problems before they significantly impact the operation, analyzing each case separately.
- 4. Efficiency in Project Planning:** Having an exhaustive analysis of the reservoir facilitates long-term project planning. The company can develop more effective and sustainable strategies, adapting to the specific characteristics of the reservoir.