

STIM2001™

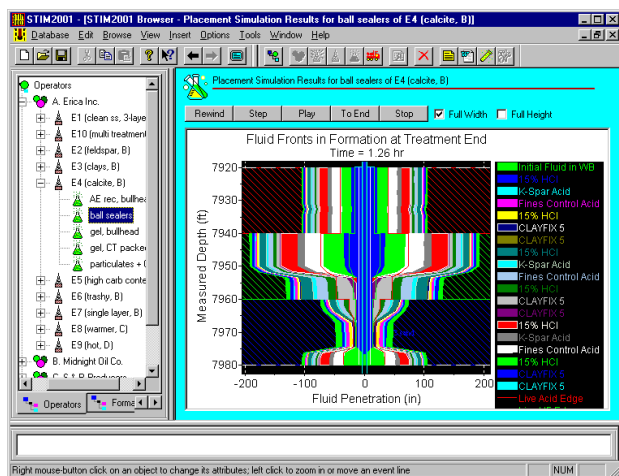
MATRIX ACID STIMULATION DESIGN AND ANALYSIS SOFTWARE

OVERVIEW

Halliburton STIM2001™ simulation software, along with our carbonate and sandstone acid stimulation technologies, brings new levels of precision and cost-effectiveness to acidizing. The STIM2001 software can evaluate the reasons for lost production in one well or a series of wells, and then rank the wells studied according to the best value for each stimulation dollar spent. Obtaining optimum results from any of the various formulations and procedures depends on a thorough understanding of formation mineralogy.

The system can determine the wells' skin value, the damage mechanisms in play, applicable remedies, and the ideal production rate. It can provide guidance for fluid selection, recommend fluid diversion programs, simulate fluid flows in both sandstone and carbonates (including wormholing), and automatically generate reports based on single-entry data.

STIM2001 matrix simulator is a solutions-oriented software package that can effectively guide matrix stimulation treatment selection. With a thorough understanding of formation mineralogy, formation fluids, and petrophysical properties, the system can optimize the stimulation treatment to help increase hydrocarbon production.



For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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MODELING ADVISORS

- » **Inflow calculator** for computing the ideal production rate for an undamaged or stimulated well
- » **Damage advisor** for determination of damage mechanisms
- » **Treatment advisor** to help select appropriate acid systems and additives
- » **Diversion advisor** to indicate the most appropriate diversion techniques based upon the specific well characteristics
- » **Scale advisor** to predict scaling tendencies from water analysis and select appropriate solvent systems and additives

FEATURES

- » Candidate selection
- » Skin analysis
- » Inflow calculator
- » Treatment advisor
- » Damage advisor
- » Water analysis and scale advisor
- » Treatment selection
- » Matrix acid design
- » Geochemical simulator
- » Diversion design
- » Complete pumping schedule
- » Simulation of fluid placement
- » Post job analysis
- » Bottom hole skin
- » Matching post job data with simulator