

CASE STUDY

Benchmarking Completions Operations



✓ The Problem:

A Major Oil Company sought an effective method to analyze and benchmark completions/workover operations data in order to maximize data usability, consolidate diverse systems into a uniform database with common operations coding which could be re-used.

✓ The Solution:

A senior completions team (assisted by Genesis Completions) utilized comprehensive analysis tools to perform time and cost assessments from previous interventions. The group, aided by consultants, managed to regulate and standardize systems to effectively plan for future completions operations.

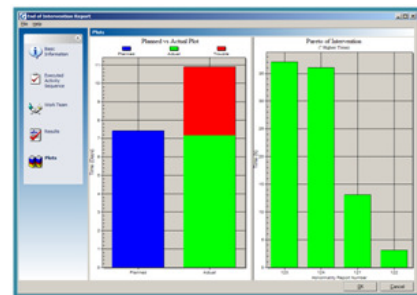
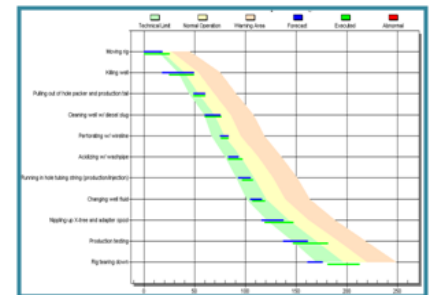
✓ The Implementation:

The Genesis Completions team first established a uniform coding system identifying all intervention types in common datasets within the same types of operations. A complete set of standard operational sequences (intervention templates) were then set to serve as benchmark reference data for future operations. After the implementation was completed, each operation would have specific times statistically analyzed, generating time uncertainties for each. Analysis of critical operations was performed using Monte Carlo simulation data based on the specific project under study.

✓ The Result:

The Genesis Completions team successfully implemented a uniform operational coding system resulting in the capability to study and compare performance between different rigs in specific fields. The study was then extended to benchmark different fields, rigs, etc providing comprehensive analysis of performance sequences in many operational areas. The analysis also established standard benchmark formats to compare future completion operations.

The methodology implemented provided detailed (break down) analysis of intervention operations, identifying critical operations to be mitigated.



✓ The Tool used:

Genesis Completion

✓ About Genesis Completion:

Genesis Completions provides the capability to capitalize on historical data by identifying potential areas of improvement for completions' operations.

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