SCC–RIFTS JIP Sand Control Completions: Reliability Information & Failure Tracking System

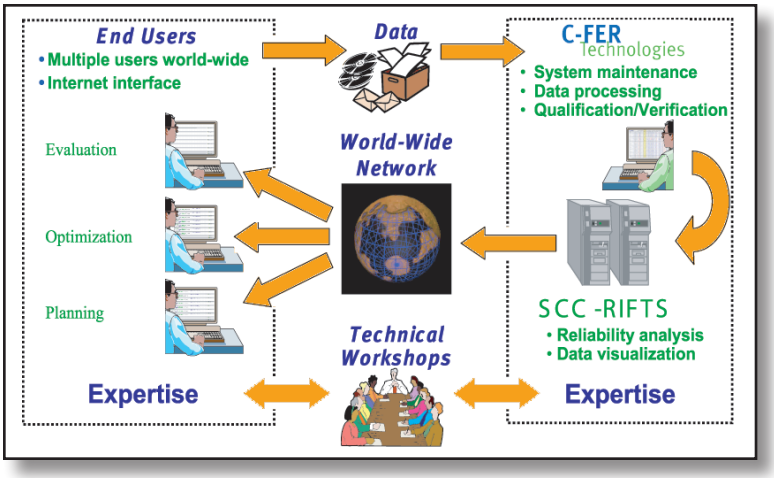
The reliability of a sand control completion is influenced by factors such as reservoir conditions, well configuration and operating practices. To date, little information has been available on how these and other factors influence the service life.

The SCC-RIFTS program gathers information on each well in participants' fields. C-FER qualifies the data and enters it in the database. Participants are then able to review the database, conduct their own queries, and perform statistical and "what-if" analyses online.

Objectives

The objective of the SCC-RIFTS JIP is to develop a web-based system that will:

- Facilitate sharing of sand control performance and failure information among operators;
- Ensure quality and consistency of the data in the system and
- Incorporate user friendly tools to analyse and visualize the data.



Benefits

Participation in the project will provide operators with the tools required to:

- Accelerate the learning curve associated with new sand control applications and technologies;
- Improve sand control performance in terms of both well productivity and reliability; and
- Identify technology gaps.

Development Plan

The initial development plan for SCC-RIFTS includes the following tasks:

- Establish data protocols, SCC-RIFTS website and database structure;
- Develop website with analysis tools to allow online queries and statistical evaluations; and
- Populate database with C-FER qualifying the original data provided by the Participants.

Once the system is established, annual membership fees will ensure ongoing data processing and enhancements to the analysis tools and other system features.

Status

- Phase 1B launched May 2006
- Website online www.sccrifts.com
- Participants
  - BHP Billiton Petroleum
  - Chevron Corporation
  - ConocoPhillips
  - Saudi Aramco
  - Shell

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Printed in Canada 2015