



DAVE SODERSTROM

SUMMARY OF QUALIFICATIONS

River City Engineering, Inc., Lawrence, Kansas USA 2007-Present

Process engineering consultant for the oil & gas industry providing design and technical support for gas and liquids processing and transport.

- Detailed engineering for debottlenecking relief and drain system at a large mid-continent storage terminal. Developed options and presented to client.
- Owner's engineer for a 50,000 BPD condensate splitter that produces 7 products. Reviewed EPC contractor's work, PHA participant, and supported environmental and commercial groups.
- Owner's engineer providing analysis of existing condensate fractionation facility considered for purchase.
- Leak testing coordination for a North Sea oil and gas platform.
- Reviewed engineering for unique plant design for recovery of CO₂ and Helium from acid gas.
- Presented hydrocarbon recovery techniques for chemical manufacturer and acted as a sounding board for new product ideas.
- Conceptual design, engineering support for construction and commissioning of 4.5 MMscfd NGL recovery plant
- Multiple studies for natural gas and liquid contaminant removal and disposal.
- Engineering support, safety and technical review, performance test evaluation for new vapor recovery unit for 70,000 BPD fractionation facility
- Engineering support for additional storage and rerun flexibility for 70,000 BPD fractionation facility
- Conceptual design and engineering design work in order to optimize Ryan-Holmes plant in New Mexico.
- Engineering support and process analysis for Credence Services, Inc..
- Engineering support for numerous floating CNG transport designs
- Engineering support for gas processing plant expansion from 80MMSCFD to 110 MMSCFD.
- Conceptual design and primary engineering support for a 7MM gas processing skid.
- Conceptual design study including technology selection for a natural gas field in Iraq.
- Engineering support for the development of insulation specifications for a new gas processing plant in Texas.
- Technical review and engineering support for a new gas processing plant/fractionation facility in Indonesia.
- Process Hazard Analysis (PHA) and Layer of Protection Analysis (LOPA) for numerous gas processing, liquids handling and fractionation facilities.
- Liquid (water) hammer analysis and prevention study for oil and PBC pipelines.
- Numerous relief and flare studies.
- Numerous P&ID reviews and Cause and Effects preparation.
- Technical support and trouble shooting for RCE products and HYSYS extensions EC-OD and CO₂ Freeze.

PREVIOUS EXPERIENCE

T-Squared Associates, Kansas City, Kansas USA 2005-2007

Process Engineering Consultant for the pharmaceutical and petrochemical industry.

Major Projects:

- * Continental Disc Corporation - Created new process designs and marketing materials to help the company expand into the pharmaceutical market.
- * Goldsboro Hog Farms – Designed a new vaccine production facility.
- * CRB Engineering – Provided engineering support on pharmaceutical projects.
- * Honeywell – Provided fuel plant failure analysis and designed new plant safety features.

BioFoods, Inc., Oskaloosa, Kansas USA 2000-2005

Process and design engineering for medical devices. Promoted to plant manager after three years of service.

Major Projects:

- * Design and development of four new medical devices, all of which were given pre-market approval from the U.S. Food and Drug administration. One device was submitted for a U.S. patent.
- * Redesigned, built and tested new medical device processing equipment. The new equipment was utilized in two new medical device manufacturing plants.
- * TSIC in Taiwan – Installed and validated plant equipment, as well as trained staff for production and documentation.
- * BioCore Medical Technologies - Installed and validated plant equipment, as well as trained staff for production and documentation.

EDUCATION

University of Kansas
Lawrence, Kansas, USA

B.S. Chemical Engineering - May 2000
