



Richard J. Gentges

Executive Consultant

Executive Summary

Richard Gentges has 30+ years in developing and operating underground natural gas storage facilities in the continental U.S., Alaska and Canada. Recent assignments included performing feasibility studies for the expansion of existing underground gas storage facilities, development of new gas storage facilities, technical support associated with acquisition of existing gas storage facilities, providing expert witness testimony on regulatory matters related to natural gas storage facilities, and condemnation proceedings.

Accomplishments/Experience

As the Director of Reservoir Services for several Fortune 500 companies, Mr. Gentges' experience in underground gas storage projects included:

- Accountable for the construction, start-up, and commissioning of a \$180M underground natural gas storage facility in Alaska. Supervised an inter-disciplinary project team of approximately three dozen technical personnel. The project utilized a depleted natural gas reservoir and included installation of two 2350 HP gas-fired reciprocating compressors, associated separation, dehydration, measurement, and ancillary facilities along with the drilling and completion of five new horizontal gas storage wells.
- Accountable for the overall operation of 17 underground gas storage reservoirs and design and development of new gas storage facilities. Supervised two dozen engineers, geologists, and field personnel. Responsibilities included oversight of the construction, start-up and commissioning of a \$100M underground gas storage facility in northern Michigan consisting of 7000 HP electric-drive reciprocating compressor, separation/liquid handling, dehydration, measurement, and ancillary equipment along with six dual-leg horizontal gas storage wells.
- Accountable for the overall operation of 28 underground gas storage reservoirs, and design and development of new storage reservoirs. Supervised approximately three dozen engineers, geologists and field personnel. Conducted numerous feasibility studies associated with conversion of depleted gas reservoirs to storage, and development of salt cavern facilities for gas storage. Achievements included oversight of the expansion of two existing underground gas storage facilities consisting of the addition of six horizontal storage wells, all of which were completed on schedule and within budget.
- Accountable for the design of new gas storage reservoirs, and operation of 22 existing storage reservoirs. Provided technical support on various domestic and international gas storage projects. Conducted numerous feasibility studies, including a joint effort with SofreGas and SIDGas to investigate feasibility of storing natural gas in shallow lined rock caverns.



Professional Engineers. Regulatory Experts. Trusted Partners.

- Accountable for day-to-day operation, maintenance, and construction of 15 underground natural gas storage reservoirs. Projects included the drilling and completion of 41 new gas storage wells in existing storage reservoirs over a two-year period, and five horizontal storage wells.

Education

B.S, Chemical Engineering - University of Michigan

B.A, Biological Science - Oakland University

Industry Affiliations

- Chairman AGA Underground Storage Committee, 1994
- Chairman GTI/PRCI Underground Gas Storage Research Committee, 1998-2003
- National Petroleum Council Underground Storage Team, 2003-2004