

# Coal Bed Methane Development

90 MMSCFD, 800 well coal bed gas development activity in South Central Alberta prompted the need for complete greenfield development, including gathering systems, pipeline, compression, and gas processing infrastructure. Kleinfelder provided upfront development engineering, project management, engineering, and procurement for installation of well site facilities, 280 km of 3" to 12" pipeline, 12,000 HP of compression at six central sites, and two gas plants for dewpoint control.

## PROJECT RESULTS

*This \$65MM project consisted of full scope conceptual and front end development engineering, detailed engineering, procurement, project and construction management. Kleinfelder was an integral part of the development team that also included drilling, production engineering, land and regulatory departments. The pipeline and facilities design and construction was completed safely, on time, and 4.5% below budget.*



## OPTIMIZED CONSTRUCTION AND SCHEDULE

This development involved intense collaboration and planning to coordinate land acquisitions, drilling activities, and pipeline and facilities construction to optimize construction dollars and ensure gas was on stream in a timely manner. Compressor templating was incorporated as much as possible to streamline fabrication and delivery schedules.

## FACILITATING DEVELOPMENT

Work included development and process studies, well tie-ins and field work, gathering system design, large screw compressor installations, gas processing plants (including LPG recovery), full electrical, and communications design. Duration of the development was two years.

### Location:

Southern Alberta, Canada

### Owner:

Apache Canada Ltd

