Oil & Gas Project Note

Customer: Tengizchevroil

Project: Tengiz Wellfield / Processing Plant

Location: Tengiz Wellfield / Processing Plant

Application: Wellfield, gathering system, treating, fractionation, utilities, and rail loading.

General Description

Tengizchevroil is a joint venture with Chevron Corp. (45%), Kazakhstan (25%), Mobil Corp. (25%), and LukArco (5%) as partners. The Tengizchevroil joint venture began transporting crude oil to eastern Europe in 1994, marking the official start of a multibillion-dollar project, called TCO. This has been one of the most-publicized and largest projects in Kazakhstan recently.

TCO's crude oil production from the giant Tengiz field has risen every year from approximately 20,000 b/d in 1993 to 190,000 b/d in 1998. The TCO consortium plans to raise output to 240,000 b/d by mid-2000.

Chevron, operator of TCO, embarked on a modernization plan to replace aging Westglen RTU's at the well field and an older Bailey system in the processing plant, as well as associated utilities and a rail loading system.

Scope of Honeywell Supply

Systems
- TPS to replace Bailey system for process trains KTL-1 and 2 and Utilities
- PlantScape SCADA w/ Allen-Bradley PLC for wellfield monitoring and control, replacing Westglen RTU's
- FSC to replace existing Fire & Gas and Burner Management systems

Infrastructure for Information Technology Services
- FEL Studies – over 100 small projects
- Project Management
- Procurement Services
- Instrument Database using REBIS
- Upgrade over 1000 P&ID's to Intelligent P&ID's
- Data Sheets / Loop Sheets / E&I Packages
- Configuration
- Staging & Testing
- Expediting & Transporting
- Site Installation – Turnkey
- Hot Cutover & Commissioning

Results

This project and operations associated with it have delivered over $50MM to shareholders.

Key Winning Strategy

The level of local support was critical in this win. The site indicated that they wanted Honeywell even though there was significant support from Chevron for a Foxboro solution.

Startup Date: 1996

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