

### **Alberta Hub - Peers**

- Project management of the design and installation of 7 miles of 12 inch gathering system and wellsite facilities at Alberta HUB Gas Storage Facility.
- Additional tie-in of two wells with 16" gathering system.

### **Altia Energy**

#### **Grande Prairie**

- Field supervision on the installation of 5 km of 3" insulated pipeline and tie-ins into existing Talisman header system. Complete facility construction of 3 mm/day line heater with separator and tank farm.
- Field supervision on the installation of 4 km of 4" pipeline and tie-ins into existing Devon oil battery. Facility consisting of inlet header, inlet separator and treating facility.

#### **TeePee Creek**

- Submission of the AEUB applications and audit packages on a 3 MMSCFD gas plant including 3.63 km of 3" pipeline and multi-well gathering system. Responsibilities included:
- Researching of alternatives to flaring (sulfatreat barrels).
- Sourcing and ordering equipment, sizing pipelines and various valves for separator.

#### **West Doe**

- Project coordination for the design and construction of two (2) wellsite facilities (40 MMSCFD and 9 MMSCFD), one custody transfer meter station (40 MMSCFD) and four (4) pipelines (2" and 6") totaling 8 km's in length. Responsibilities included:
  - The design of well head piping, layouts and site configuration
  - The completion of project cost estimates
  - Equipment bids, evaluations and award
  - The sizing and design of all required equipment
  - Coordination of drawing completion with drafting department
  - All OGC regulatory applications, notices and approvals
  - Ordering of all PV&F
  - Coordination with Kilowatts Design for the electrical design and construction
  - The coordination and shipping of all equipment to site
  - Field support during construction

### **Amerada Hess Canada Ltd.**

#### **Bearberry**

- Design and installation management of seven pipelines.
- Design, procurement and construction management of dehydration facility and pipeline for 5 MMSCFD.

#### **Cranberry**

- Design and project management of sweet gas wellsite facilities and pipeline, 5 MMSCFD.

### **Valleyview**

- Installation of oil and gas wellsite facilities for dual zone completion with pigging and pipeline connections.

### **Wilson Creek**

- Design and project management of a sour gas wellsite facility and pipeline, 2 MMSCFD.

## **Anderson Exploration Ltd.**

### **Pickell North, Nig Creek North, Pickell, Nig Creek, Wargen**

- Design and project management of sweet and sour gas well tie ins.
- Railway and river crossings.
- Regulatory approvals.

### **Sextet**

- Project management for the installation of a line heater, dehydrator and a 2.5 km, 6 MMSCFD pipeline associated with one well.

## **Blue Range Resource Corporation**

### **Pickwell**

- Design and project management of 5 MMSCFD two well gas gathering system and compressor re-commissioning.

### **Tommy Lakes, B.C.**

- Wellsites and pipelines; permitting, design, drafting, procurement and construction management.

## **Canadian Natural Resources Ltd.**

### **Fort St. John**

- Hydrate calculations and methanol injection rates to prevent plugging in wellbore strings and pipelines.

### **Wolf Lake**

- Design and project management of a \$12M, 21 well cyclic steam stimulation production expansion pad.

## **Conoco Phillips Canada Resources Ltd**

### **Edson**

- Design and project management for the installation of a new group/test separator associated with an existing compressor/dehydration station at Minehead.
- Design, AEUB permit and project management for the construction of a new wellsite at Peco.
- Design, AEUB permit and project management for the construction of a two new wellsites and pipeline at Grand Cache.

### **Hanna**

- Hanna Shallow Gas Program including 25 wellsite tie-ins and 52 km of pipeline.

### **Swan Hills**

- Satellite upgrade including replacement of the inlet header, addition of a test separator and addition of a water transfer pump.

## **Crestar Energy Inc.**

### **Cessford**

- Shallow Gas A Program: 65 wellsites and 50 km pipeline.
- Shallow Gas B Program: 57 well sites and 46 km pipeline
- Shallow Gas C Program: 42 well sites and 25 km pipeline.
- Shallow Gas D Program: 62 well sites and 46 km pipeline.
- Shallow Gas Program: 41 well sites and 50 km pipeline.
- Deep Gas Wells: 7 wellsites.

### **Jenner**

- Shallow Gas Program A: 21 wellsite tie-ins with 19 km pipeline.
- Shallow Gas Program B: 44 well site tie-ins with 40 km pipeline.

## **Devon Canada Corp**

### **Elleh**

- Design and project management for the installation of wellsite facilities.

### **Leland/Horse**

- Engineering and project management for the construction of four 5 MMSCFD sweet natural gas wellsites and the installation of 15km of 6" sour pipeline.
- AENV and AEUB approvals.

### **Wimbourne**

- Design and project management of a fast track 13 MMSCFD wells site facility.

### **Wolverine**

- Design and construction support for a 3 MMSCFD sour gas dehydration facility. Equipment included: line heater, hot oil circulation string pump skid, dehydrator unit, meter skid and utilities.

## **Enco Gas Ltd.**

### **North Helmet, BC**

- Co-ordinated the detailed engineering and procurement of facilities equipment for two gas gathering systems, including four wellsites, and pipelines, in NE British Columbia.

### **Sierra West**

- Design and project management of a 25 MMSCFD sour gas dehydration facility including aerial cooler and power generation.
- Design and installation management of a 6" diameter, 5 km sour pipeline.

### **Enermark Inc**

#### **Bashaw**

- Design procurement and field supervision for the installation of 15 single well coal bed methane wellsites and associated metering and pipelines.

#### **Giltedge**

- Design and field supervision of the installation of 8 oil and casing gas production wellsites with 6 km of gathering system.
- Design and field supervision of the installation of 915 b/d water injection facility.

#### **Westerose**

- Design, procurement and field supervision for the addition of two single well separator packages and associated pipeline.

### **Enerplus Resources Corp - Bantry**

- Design and project management of a 46 well shallow gas program including 25 km of pipelines.

### **Gulf Canada Resources Limited**

#### **Antelope**

- 13-26 Deep well tie-in.

#### **Atlee Buffalo**

- Shallow Gas Program - 12 well tie-ins and 11 km pipeline. Dual zone completion tie-in at 4 MMSCFD. Deep well tie-in at 1.5 MMSCFD.

#### **Cessford**

- Shallow Gas Program - 64 well site tie-ins and 56 km of pipeline.

#### **Empress**

- 03-18 well tie-in.

#### **Jenner**

- Shallow Gas program with 100 well site tie-ins.
- Rebuilt and modified Jenner 15-23 51" separator.
- Project manager for the installation of 7840 HP Ariel JGH4 compressor and 5 MMSCFD dehydrator.

### **Sibbald**

- Three deep well site tie-ins.

### **Luscar Oil & Gas Ltd. - Donalda**

- Design and project management of sweet gas wellsite facilities, 4 MMSCFD, and 3" diameter, 4 km pipeline.

### **NCE Resources Group Inc. - Carstairs**

- Detailed design, procurement and construction management of a 3 MMSCFD wellsite facility consisting of an inlet separator and line heater.

### **Numac Energy Inc.**

#### **Alberta**

- Y2K field inventory coordinator for Numac Energy. This included doing site recognition, equipment audit, supervising database entry, vendor compliance letters, risk assessment, cost control, progress reports and remedial work. Remedial work consisted of upgrading four hose computers to Factory Link 6.5 operating on Windows NT 4.0.

#### **Calling Lake**

- Design and project management of four 1 MMSCFD wellsite tie-ins and 4 km of 3" and 4" pipeline installation.

#### **Clarke Lake**

- DBM, budget, detailed engineering, material specs, bid documentation, BC government permits, material procurement and construction, contract award, as well as project management through to completion, for an 8.5 km 4" pipeline, wellsite installations, and tie-in to existing dehy plant. (b-89-K, 94-J-10)

#### **Forsyth, Manatokan, Leo and Maple Glen**

- Responsible for various gas well tie-ins and gathering system pipelines.

#### **Tommy Lakes**

- DBM, budget, detailed engineering, material specs, bid documentation, material procurement and construction contract award, as well as project management through to completion, for wellsite installations (7 new wells), and gathering pipeline (14 km 4").
- DBM, budget, detailed engineering, material specs, bid documentation, material procurement and construction contract award, as well as project management through to completion, for wellsite installations (6 new wells), and gathering pipeline (8 km 4", 6 km 6").
- DBM, budget, detailed engineering, material specs, bid documentation, BC government permits, material procurement and construction contract award, as well as project management through to completion, for wellsite installations (4 new wells) and gathering pipeline (4.5 km 6" and 3.5 km 4").

### **Penn West Petroleum Ltd.**

#### **Firebird**

- Installed water disposal / condensate re-injection pump package, gas driven.
- Design and project management of 7 km of 6" pipeline and three wellsite meter facilities.
- Design and installation management of a grassroots gas plant. The scope included a five well tie-in, wellsite facilities, 18 km of pipeline (4 " and 6"), inlet separation, 750 HP compression, dehydration and water disposal.
- Installed incremental 500 HP inlet compression.
- Satellite plant communications.

#### **Hoosier, Saskatchewan**

- Conceptual engineering, costing, detailed design, procurement, construction management, commissioning and start-up services for a grassroots 1,000 B/D heavy oil battery complete with a 6,000 B/D water disposal system.
- 15 well tie-in.
- 35 km of gathering system.

### **Pipestone Petroleums Inc. - Big Jedney / Highway**

- Process design and project management for the installation of 16 "Ø to 24 "Ø glycol dehydration facilities at three (3) wellsites.
- Pipeline permitting for the tie-in of all three (3) wells.

### **Pointwest Energy - Valhalla**

- Detailed desing, rulatory submission, procurement and construction supervision of a sour natural gas wellsite facility.

### **Samedan Oil of Canada Inc. - Drayton Valley**

- Sour gas 3" pipeline / wellsite facility including line heater.

### **Slade Energy - Rainbow Lake**

- Design and project management of 12 miles of 4, 6, 8, 10 inch gathering system and wellsite facilities.

### **Technologie Gazowe Piecobiogaz - Przemierowo, Poland**

- Design of three wellsite facilities including line heaters and separation units.

## **Transwest Gas Systems Ltd.**

### **Ethel Lake**

- 5 MMSCFD, 5 well tie-in with dehydration facilities.

### **Winnefred North**

- Piping design of gathering system expansion.
- Designed multi-well satellite skid.

### **Winnefred North**

- Design and installation management of a 1478 HP screw compressor.
- Addition of two (2) 1478 HP compressors to the existing plant, upgraded the dehydration facilities, and installed 35 km of gathering system complete with two (2) satellites.