

1.0 PROJECT SCOPE

Amoco Canada petroleum Company Ltd. is preparing to bring into production 16 MMSCFD of gas from the five wells located in Township 98, Range 5 West of the 6 Meridian. The purpose of this project is to provide a means for the production of the gas and sale directly to Nova. The facilities, will all be built to sweet service specifications. The major equipment at this facility includes an inlet separation skid consisting of wet inlet meters, a group separator, test separator and future wells; future booster compressor, compression; amine plant for CO₂ removal; dehydration skid; flare stack; flare knockout tank; produced water storage tank; hydrocarbon drain tank; floor drain tank; office; generator set; heat medium system; instrument air package; reverse osmosis package and control system.

Engineering, design drafting and project management will be the responsibility of Gemini Engineering Ltd. Gemini will prepare bid specifications and Amoco will send out the bids for tender, then Gemini will perform the bid evaluations for equipment and field construction.

The mechanical/civil scope of work involves the generation of the plot plans, flowsheets, piping drawings, foundation, structural and pile location drawings.

The electrical/instrumentation scope of work involves preparing all drawings and specifications, designing the control system, interfacing with Amoco's existing system, preparing the construction bid documents complete with drawing, and PLC/SCADA programming.

PRELIMINARY

The following appropriate codes and specifications will be used during the design, fabrication and construction of this project:

- CSA Z184
- ERCB Oil and Gas Regulations
- ERCB Pipeline Regulations
- Alberta Boilers Branch Specifications
- Gemini Specifications / Amoco specifications
- Alberta Electrical Codes
- ASME Section VIII
- ANSI B31.3

1.1 Design Conditions

- Design Water Flowrate	40 BBLS/DAY
- Design Inlet Gas Flowrate	16.0 MMSCFD (gas)
- Design Condensate Flowrate	0 BBLS/DAY (liquids)
- Slug Capacity	? BBLS
- Gas Gravity	0.595
- H ₂ S Content	0 ppm
- CO ₂ Content	3.85%
- Design Inlet Pressure	740 psig
- Operating Inlet Pressure	400 - 50 psig
- Design Discharge Pressure	1200 psig
- Discharge Operating Pressure	1100 psig
- Wellhead Shut-in Pressure	? psig (maximum design pressure)
- Nova Inlet Pressure	1200 psig

PRELIMINARY