

- Brown and Root - Houston, Texas
- John Brown - Houston, Texas
- Foster Wheeler - United Kingdom
- Fluor Daniel - Irving, California
- Parsons - Houston, Texas

The preliminary engineering plan is expected to be completed in 12 to 18 months. The phase II budget is estimated at \$1.5 billion US, of which \$400 million US is budgeted for facilities.

Phase II will require completely new facilities and a pipeline. As in phase I, this will be designed and built by a general contractor on a LSTK contract. This contract will go out to bid in early to mid 1995. The LSTK contractor will be responsible for all purchasing, with the exception of pipe which will be purchased directly by BP. As in Phase I, it is expected that a Colombian contractor will be awarded the LSTK contract. Due to the high costs and lack of sufficiently qualified Colombian engineering and design companies, a joint venture with a reputable firm capable of an undertaking a contract of this size, will be required. Financial backing will be a major consideration by BP for the bid evaluation by BP.

### **2.3.1 PIPELINES**

The major items for this phase will be a new pipeline from Cusiana to the Caribbean coast and the corresponding offshore loading facilities. Eventually the pipeline system may be increased to 500 or 600 MBPD. Canadian companies have a very good opportunity to participate in this work. In the past, Trans Canada Pipelines and Interprovincial Pipelines have been invited by Ecopetrol to participate in several projects.

### **2.3.3 DRILLING**

This phase will also see an increase in drilling activity. As any drilling rigs, in Colombia, capable of drilling below 15,000 feet are under long term contract, additional drilling rigs will be required.