



Sub-surface

Mist Mountain Coalbed Gas Project

Our Commitment

We are committed to using the best available technology and expertise to locate and analyze coalbed gas reservoirs and determine the most environmentally and economically feasible methods to develop them.

Why do we think there is gas here?

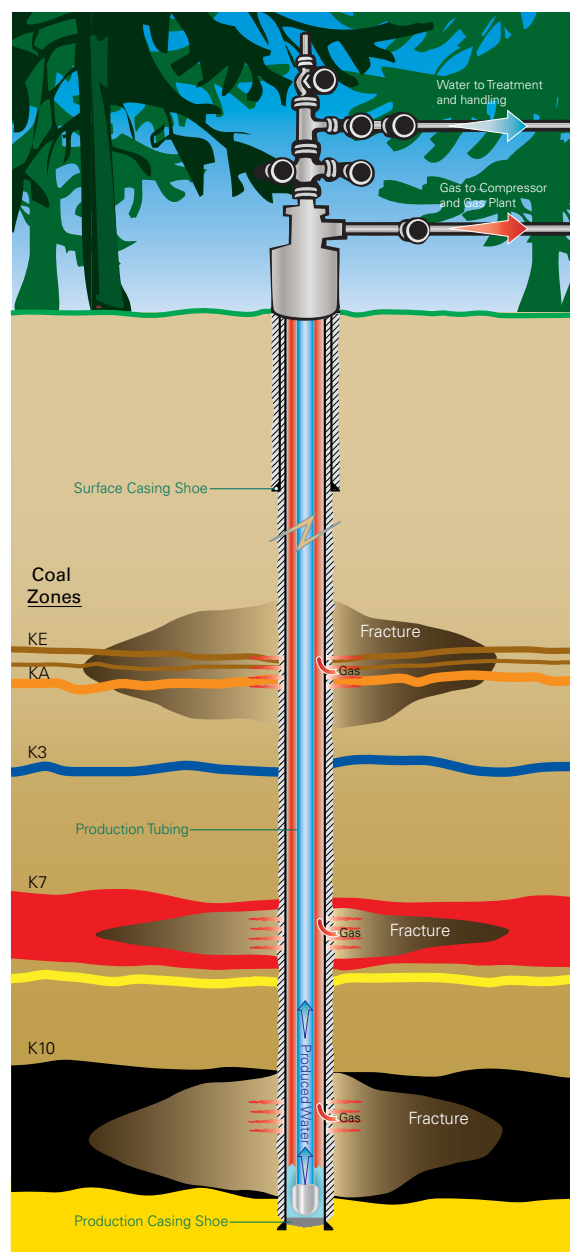
The Crowsnest Coalfield contains high quality coals. The higher the quality, the greater the potential for commercial quantities of natural gas. We won't know for certain how much gas is present until we drill exploratory wells.

Geologically, this is a complex area. The Mist Mountain coal seams are located more than one kilometre underground. They have folded and faulted over time, creating the potential for isolated pockets of gas too small to be economic. For commercial development, we need to find a coalbed gas field that is large and continuous.

How do we find the gas?

It will take three to five years of appraisal and design activities to assess and gather comprehensive technical data to learn:

- Where the gas is
- How much is there
- How difficult it will be to produce



Typical sub-surface well



We will use a number of technologies to figure out the most likely places to drill our appraisal wells within the project area including:

- Seismic analysis to determine:
 - What type of rock layers make up the formation – gas is more likely to be found with some types
 - What faults are present
- Coring to get physical samples of the types of coal within the sedimentary layers to learn:
 - How much gas is in a unit of the coal – which suggests how much might be in the broader formation
 - If the coal is wet or dry – which will influence our water management strategies

The proposed test wells will confirm the existence, quantity and quality of gas and water in the coals. We will try various well designs to find out which work best with the Mist Mountain seams. These test wells will also help us determine the best way to reduce the physical footprint of our wellsites and facilities.



The Mist Mountain Coalbed Gas Project is a proposal by BP Canada Energy Company (BP) to assess whether natural gas in BC's Crowsnest Coalfield can be produced in a safe, economic and environmentally responsible manner. Our proposal includes up to five years of environmental studies, technical research and consultation prior to a decision on commercial development.

