HORIZON MINING

ore containing gold is first ground to a fine powder. The ore is then mixed with water and a chemical to dissolve the gold. The solution is then filtered and the gold is recovered. The gold is then refined and sold. This process is known as cyanidation. The cyanidation process is environmentally friendly and is widely used in the mining industry.

The geologist explains that the process of gold mining is relatively safe and environmentally friendly. The cyanidation process is used to extract the gold from the ore. The gold is then purified and sold.

The geologist also explains that the mining process is sustainable and that the company is committed to protecting the environment. The company uses the latest technologies to minimize the environmental impact of mining.

GEOLOGIST — Clive Bailey of Horizon Gold Corporation points to samples of core drillings from Hope Butte Project west of Vale. At left is a replica of a gold bar.
Geologist describes gold mining's value and potential

CHRIS MOORE
Argus Observer

ONTARIO — Gold mining is important to the area, the nation and its people, according to Clive Bailey, manager of the Hope Butte Project, who addressed the Ontario chamber of commerce Monday.

The Hope Butte Project, about 12 miles northwest of Vale, is an exploration project of the Horizon Gold Corporation. Bailey is a certified professional geologist who lives in Ontario with his wife and two children.

Bailey explained the exploration and drilling process, showing slides of work done in Nevada while he was manager of the Buffalo Valley Gold Mine, another Horizon project.

Gold is to be found in small amounts in many parts of Eastern Oregon, Bailey said, but modern science has made it possible to extract this gold in a profitable operation.

Bailey said this is done by a process called "heap leaching" and uses cyanide in the extraction. The geologist explained the precautions which are taken to keep from harming the environment and wildlife.

It is possible to get only 2.2 ounces of gold from a 50 ton truck of ore, the geologist said. The ore is crushed to one-half inch or smaller rock particles and then placed on top of the leach pad. The chemical solution is then sprinkled over it, dissolving and carrying the gold out. "The solution is boiled up through a column and activated carbon pulls the gold out of the solution."

The geologist talked of the importance of mineral resources and the efforts of some people to deny companies access to, or the right to remove, the valuable minerals. "We are just utilizing the resources in Oregon but we have to seek a balance by being good stewards of the soil."

Bailey provided a statement from five United States Senators, including former Sen. James A. McClure and Sen. Steve Symms, both of Idaho, who said, "If our mining industry collapses — as some environmental groups hope it will — thousands will lose their jobs. It is time to stop thinking it's a lose-win situation."

The worker placed soil around the tree, allowing it to grow and thrive in the reconstructed environment.