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(Aug '93)

\* **Engineer Mine (104M014)** was examined on Aug 28-29 with Swede Martensson and Warren Arnholtz, principals of Ampex Mining who has optioned Engineer from Winslow Gold Corporation. Engineer is a classic epithermal bonanza gold vein. Veins show several stages of re-fracturing and open space filling. Quartz was deposited in two stages, second stage quartz coats and replaces calcite. Gold occurs in high grade shoots. Ampex Mining have succeeded in locating more high grade gold in the Engineer and Governor veins where previous operators failed (Nu-Lady-1970's, Total Erickson- 1987). Bonanza grade native gold occurs in the Governor vein. Electrum in the Engineer vein is tightly associated with roscoelite, a rare vanadium mica. This association is described well in an excellent paper that must be added to Minfile's reference (W.H.Weed, Engineering and Mining Journal Press; June 27, 1925, page 1037-1040). Ampex is testing the market for specimen sales, a good example of value-added potential in EMPR's Mineral Strategy.

\* **BC Geological Survey's** mapping project of NTS sheets 104K/ 12&13 by Mitch Mihalnyuk, Moira Smith, Kirk Hancock and Steve Dudka was visited on Aug 30, with Tom Schroeter. An important finding of BCGS work is that the Paleozoic strata that host the Tulsequah VMS deposit extend west across the Tulsequah River. This expands high mineral potential area. A new copper (skarn?) mineral occurrence has been found in Mesozoic rocks.

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