

2.0 m grading 15.2 g/t, 4.5 m grading 3.7 g/t and 9.4 m grading 6.2 g/t gold.

Energex will also use the financing to advance the project to the feasibility stage over the next nine months. Details of the financing appear on p. 74.

Uranium Application for Eldorado

Eldorado Nuclear Ltd. of Ottawa is seeking the approval of the Saskatchewan Government to develop three uranium mines in the province. The company is hoping to receive go-ahead by late autumn to enable it to begin mine development in 1988. The Collins Bay B orebody, which Eldorado is currently mining along the southwest shore of Wollaston Lake, will be depleted by 1991. The three mines will use the existing mill.

DEVELOPMENT

Skyline Mobilizes on Stonehouse

Skyline Explorations Ltd. of Vancouver reports that development of its 100% owned Stonehouse gold deposit on the Reg property in British Columbia is progressing rapidly (*MJ*, January 9, p.21). Construction has begun on the new campsite, with housing for up to 100 men. Mill construction will start around August 15 when the major mobilization of equipment and supplies will be completed.

Reserve calculations show 110,000 t grading 42.7 g/t gold and 71.3 g/t silver in the measured category, 146,900 t grading 25.5 g/t Au and 33.2 g/t Ag (drill indicated) and 594,200 t grading 22.3 g/t Au and 22.6 g/t Ag (drill inferred). Drilling from the hanging wall drift of the '16' vein has intersected a new mineralized vein at about 45 m below the current drift level. This new vein graded about 15 g/t gold over 5.9 m. Drilling ended in mineralization.

Detailed sampling along the Discovery vein gave an average grade of 56.6 g/t gold over an average width of 1.7 m along 35 m. A raise in this area has now begun. Drilling is continuing on the '16' and Discovery veins.

Condor: Gravels in Ecuador

Condor Minerals and Energy Ltd. has secured an option to acquire up to 50% of an alluvial gold resource in the Guayaquil region of Ecuador, reports the *Australian Financial Review*. The leases total 4,400 ha and contain proven reserves of 900,000 m³ of alluvium averaging 0.52 g/m³. The company believes there is the potential for much larger reserves.

Condor plans to construct a production plant to produce an estimated 10,000 oz/y of gold to provide an early

cash flow prior to a secondary plant expansion that will increase output to 40,000 oz/y of gold.

Shumake Mine for Coca

Denver-based Coca Mines Inc. has announced its decision to develop an open pit on the Shumake gold orebody in Kern, California, which is owned by Cactus Gold Mines Co., a 52.5% owned subsidiary. Gold production is expected to start around the beginning of 1989 and average 30,000 oz/y until 1994. Operating costs are estimated at \$235/oz of gold.

Mascot's Bralorne Proposal

Mascot Gold Mines Ltd. is considering proposals for contracting out mining operations for the Bralorne gold property located 160 km north of Vancouver in British Columbia, where the payment schedules would be linked to the final amount of gold produced rather than the volume of ore moved. There would have to be adjustments for varying grades of gold in the ore.

The property hosts two old gold mines with the mine shafts going down to 2,013 m below the surface leading to high-grade ore at that depth. However, old mine records indicate temperatures as high as 58.3°C. Mining at that depth will involve a new shaft and ventilation systems. The company is planning a 300 t/d mill which should produce between 20,000 and 30,000 oz/y. Current reserves are 941,200 t of ore grading 9.3 g/t gold.

RTZ Help for Rampura Agucha

Hindustan Zinc Ltd. has chosen RTZ Technical Services Ltd. to help it improve base and precious metal recoveries from its deposit at Rampura Agucha in Rajasthan, northwest India (*MJ*, March 20, p.219). The RTZ team will review the test work carried out on-site, carry out bench-testing in England at the laboratories of Anamet Services, and supervise work in India on the pilot plant.

The Rampura Agucha lead-zinc mine is due to come on-stream by 1990. It will supply concentrates to Hindustan Zinc's new smelter at Chanderiya, for which ISP, a subsidiary of RTZ Technical Services, is providing process engineering and technical services (based on the Imperial Smelting Process).

Balast Nedam in Indonesia

Work is expected to be completed by the end of 1988 on the massive Tarahan coal terminal project in southern Sumatra as a result of the recent appointment of Balast Nedam BV of the Netherlands as joint venture partner, reports *Indonesia Development News*. Work on the project, which is supervised by P. T. Tambang Batubara Bukit Asam, was stop-

ped following timing delays experienced by the previous joint venture partner, a British-Canadian consortium.

The \$34 million terminal is part of a larger \$1,300 million project, including a coal-fired power plant in nearby West Java, an expanded coal mine at Bukit Asam, and rail systems linking the combined operations.

Green Springs Awaiting Permits

U.S. Minerals Exploration Co. has decided to proceed with plans for an open pit heap leaching gold mine at its Green Springs property in White Pine County, Nevada, about 100 km southwest of Ely. Proven reserves have been calculated at 1.45 Mt of ore at a grade of 1.5 g/t gold, or about 70,000 oz of gold. The company believes there is potential for greater gold reserves, as there are two other mineralized zones defined that have not been fully explored, as well as other targets.

Mining is expected to proceed at the rate of 1,360 t/d of ore or about 363,000 t/y. Construction work is expected to start during the fourth quarter of 1987, subject to weather conditions and obtaining all necessary state and federal permits.

Martha Hill Resurrected

The New Zealand Government has granted a mining licence to the Waihi Gold Mining Co. Ltd. to develop the Martha Hill gold mine at Waihi on the North Island (*MJ*, October 4, 1985, p.278).

This concludes seven years of exploration and environmental licensing procedures for the partners. Interest in the project is held by Mineral Resources (N.Z.) Ltd. with 27.84%, Amax Exploration (New Zealand) Inc. with 28.35%, Australian Consolidated Minerals Ltd. also with 28.35% and Goodman Mining Ltd., a Goodman Fielder Ltd. subsidiary, with 15.46%.

Reserves at the old mine are estimated at 7.8 Mt of ore at a recovered grade of 2.9 g/t gold and 28 g/t silver. Annual production is projected at 15,000 oz of gold and 300,000 oz of silver, starting in mid-1988. Development and construction costs are estimated at \$A51 million.

PRODUCTION

Peruvian Lead

Output of refined lead from Centromin's La Oroya plant in Peru is expected to fall to around 60,000 t in 1987 from the usual 80,000-84,000 t/y. The shortfall has been caused by problems with a chain conveyor in the sinter plant which is now