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EASYZ BIRD MINE, CALAVERAS CO.CAL.

Chas. A. Dobbell Data.

Location.- Calaveras Co., south bank Mokyelemne river, about 1 mi. E of Mother Lode.

Geology.- N60E gold-quartz vein in meta-diorite.

Report of 2/29/40

Mine.- (Only operational reports available-no general description). Vertical Easyz Bird Shaft, probably to 550' level. 1938-1939, 77,298 tons milled for a smelter and mint return of \$286,748 or a net-ore value of \$3.71 per ton. Mill heads \$4.34, less \$0.36 smelter charge, \$0.28 tailings loss gives \$3.70 net-ore-value.

Costs, 1938-1939: Labor, per ton ore milled.....	\$1.90
Supplies.....	0.81
Power.....	0.32
	<hr/>
	3.03

Leaves \$0.68 per ton to pay for freight, compensation insurance, repairs, taxes, administrative expense, insurance, depreciation, capital development, interest etc. Must mill either higher-grade ore, or more tonnage, to reduce costs per ounce.

Possibility of Higher Grade Ore.- Judging by 450' level, there should be 550', 18' wide, of 0.13 oz. ore, on the 600' level, giving, with 150' height and 14 cu.ft. per ton, 106,000 tons. Gross value, 0.13 oz. is \$4.45, net ore value \$3.80-385. Grade is not sufficient to justify sinking to 600.

Possibility of Greater Tonnage per day.- Present mill capacity 125 tons. Sinking to 600 not justified on increased (double) tonnage basis either.

Conclusion.- Must search for ore laterally, beyond present confines of mine.

Report of 4/19/41. 550 had been driven 410' east of shaft. Of this, 1st 175' from shaft was ore, 0.254 oz. over 7'; and last 90', 0.276 oz. over 5.9'.

Report on Proposal for Westward Extension of the Easyz Bird Mine, 4/27/41. Casey claims, Afterthought and Gold Standard, adjoin Easyz Bird on the west; Easyz Bird vein continues through them.

From Longit. Projections, Easyz Bird ore shoots appear localized at intersections of the main vein with minor fractures that seem to strike parallel to the Mother Lode. These lines of intersection pitch E and the appear quite closely-spaced. Individual ore bodies, 100-120' long, 150' high, are strung along such lines. 300' west of the face, 300 level, lies the Challenge intersection, unexplored at depth. In the Afterthought claim are two further possible intersections, the Norrie vein on the E, B vein on the west, and in the Gold Standard claim farther west is a possible intersection with A vein. Recommendations Extend 300 west 300' to Challenge intersection; if this finds ore, extend 100 about 500' to intersection. This may be extended clean to Norrie adit (total of 1800') to cut Norrie intersection and as main haulage to proposed new millsite in Norrie Gulch. Extend Gold Standard adit

east 1200' to prospect A,B and Norrie intersections. This lies slightly higher than the 300 level. It is about 1000' between the Norrie and Challenge intersections; 500', Norrie to B, and 600', B to A.

Vein dips 73 plus N.

Vein shows promise to east also. Ariel tunnel cut it, I think 1100' east of nearest main workings and at about the 400 level (?) CR here slate. Drifted on for about 50' east of where crosscut adit cut the vein. At 46' and 52', values 0.15 over 3' to 0.21 over 3.3' Whole 55' of drift might average 0.20 oz. over 3'. This work done in 1940.

Bur.Mines Bull.413,1938: Mineral Industries Survey of the U.S. Calaveras Co.

Easyz Bird, p.119-123. On south bank Mokelumne River about 3/4 mi.N of Mokelumne Hill; 4.5 mi. by road. 500 ft.above river,elev. 1000'. 1220 acres: 240 acres patented ground in sec.6,T5N,R12E; 13 located claims and 2 millsites. 1934 to Sept.1936 produced 8000 oz. Au, 2000 oz.Ag.

Easyz Bird vein traverses the length of a metadiorite area 1.5 mi. long, 0.75 mi.wide,between Calaveras slates to the E and granodiorite grading to granite on the west. Vein 2-40' wide,strike N70E,dip 60-80N. Passes out of metadiorite both to E and W. Afterthought and Gold Standard prospects,both within the metadiorite area,are on the W extension of the vein. Several parallel, many intersecting veins in the metadiorite. Latter come in at nearly 90° from the N and form ore shoots at their intersection with the Easyz Bird vein;shoots usually 15 to 20' wide, 100 to 360' long. Most intersecting veins dip E, so ore shoots rake E 45°. Most N-S veins end abruptly in the Easyz Bird vein,but 2 or 3 cut thru it. One such vein is the Boston, about 1 mi.E of Easyz Bird shaft;another the Lucas,on which the Lucas and Maloney mines are situated, about 1 mi.to the W.

Gold chiefly in pyrite, which makes up 3% of the ore;Au occas. free in rich pockets. Ore reported ave. \$5 and Au-silver ratio of 4:1. Contains no copper, lead or zinc.