Docket-DMA 682
KENNEDY CREEK MINE

Stark, Missoula County, Montana

By: Elton A. Youngberg and Willard P. Puffett, U. S. G. S.
Eric G. Erickson, U. S. B. M.

RECOMMENDATIONS

It is recommended that the Purchase Contract loan requested by W. G. McCullough on the Kennedy Creek Mine be denied because this mine has no reserves of measured or indicated ore upon which to base such a loan.

APPLICANT

The applicant is W. G. McCullough, 1009 South Third Street, Missoula, Montana.

LOCATION OF MINE

The Kennedy Creek Mine is located in Sec. 13, T.16N., R.23W., and Sec. 18, T.16N., R.22W., Missoula County, Montana.

BRIEF DESCRIPTION OF APPLICANT'S PROPOSAL

The applicant requests a $60,000 Purchase Contract loan to build a 50-ton mill, purchase mining equipment, power lines, buildings, and to provide operating capital for the Kennedy Creek Mine.

TECHNICAL FEASIBILITY

An examination of the Kennedy Creek Mine failed to disclose sufficient ore reserves to make the proposal of the applicant feasible.

The active part of the mine consists of three levels which have explored a mineralized fault zone in argillites and quartzites

of the Pritchard formation in the Belt Series. Numerous surface cuts and short adits, now largely inaccessable, explore other weekly mineralized structures in the vicinity of the main workings. Mineralization consisting of pyrite, sphalerite, galena, chalcopyrite, and quartz of two distinct ages appears to be widespread. The intensity of mineralization, however, is weak, except in the main vein where an ore shoot about 200 feet long, as indicated in old reports and by the operators, contains lenticular pods of zinc, lead, and copper sulphides in a massive quartz gangue. The commercial ore in these pods has apparently been mined out in the two upper levels and was the source of the small tonnage of ore which has been shipped. The areas which had been productive on these levels were caved and inaccessable at the time of examination. The lower level, 37 feet below the bottom of the stoped-out area of the intermediate level has been advanced 129 feet along the strike of the vein in non-commercial ore and appeared at the time of the examination to be entering the downward extension of the ore shoot exposed above. The face of this drift contained 2-3 feet of commercial grade ore which had been encountered in the last round. This is the only ore seen of economic interest. The continuation of this drift for 150-200 feet probably will expose additional ore of milling and shipping grade; however, past production history on the upper levels indicates the amount of ore which would be developed would not justify the exploration expense. Furthermore, the block developed by this drift would only have a vertical height of 37 feet.

An inspection of the surface outcrop over the ore shoot now partially explored and mined showed it to be largely white quartz. The lack of other quartz outcrops, sulphide gossan zones, or areas of significant hydrothermal alteration along the outcrop indicates that further drifting on the vein probably will not expose additional ore shoots.

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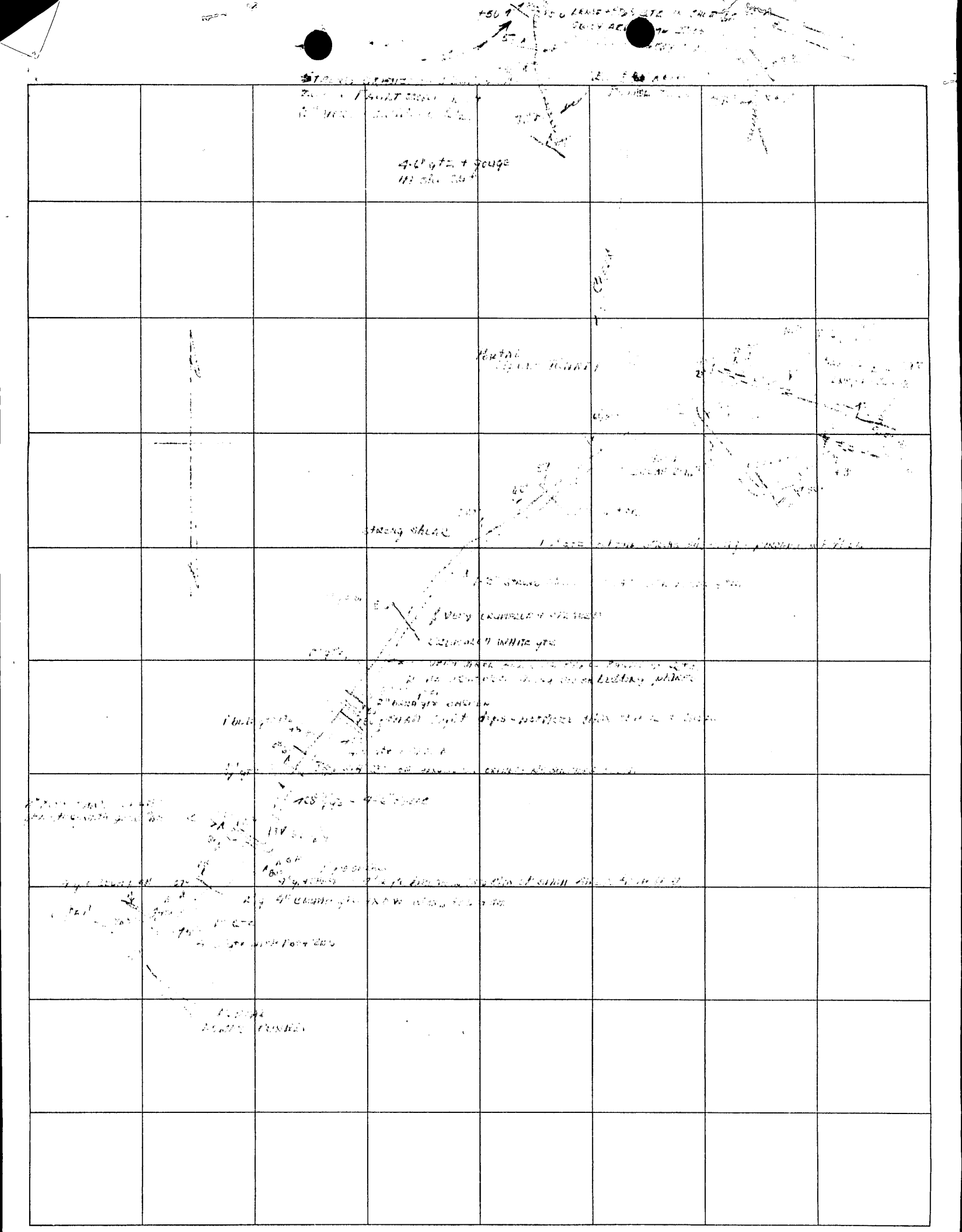

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SEC 7

SEC 13
T16NR23W

SEC 18
T16N R22W

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