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James Doyle Sell Mining Collection

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AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

January 2, 1959

FILE MEMORANDUM

TOLTEC CLAIMS
Lobo Peak Area
Pima County, Arizona

Mr. Landis Wood, 851 West Lincoln, called at the office on December 13 with samples of lead and copper ore from a prospect in the south Sierrita Mountains. Mr. Wood described the vein as being from 3 to 20 feet wide, and provided assay results of two samples, No. 1 showing considerable galena in a dark matrix, and No. 2 black material showing minor pyrite, as follows:

	<u>Ag(oz)</u>	<u>Cu(%)</u>	<u>Pb(%)</u>
(1)	5.1	4.78	27.6
(2)	3.40	2.20	16.8

Kenyon Richard and I examined the prospect on December 30, and found it to be a very small occurrence with no appreciable tonnage potential. A description follows.

The prospect is located in Frame Canyon about 1 1/4 miles north of Lobo peak and can be reached by driving 5.6 miles west from the Kingsley ranch on the Arivaca road, then northerly 12 miles to a point about 1/2 mile northeast of Lobo peak. From here it is a 3/4 mile hike up Frame canyon. Development work consists of a few shallow pits and open cuts on either side of the canyon bottom. These workings expose partially oxidized galena and chalcopyrite in a black matrix that appears to be made up largely of tourmaline. The width of this irregular, vein-like occurrence in places is 10 feet or more; however, it pinches out rather abruptly in both directions and the total strike length is not much more than 150 feet. Mr. Wood's samples came from a 6 inch vein exposed in an open cut in the east end of the deposit. The lead-copper mineralization there appeared to be much richer than elsewhere along the vein.

The rock in the vicinity is largely a light gray felsite porphyry which appears to grade into a thin bedded argillite 1/2 mile south of the prospect.

During reconnaissance of the general area, an alteration zone was noted in andesite porphyry on the south slope of Red Boy Peak, around 1/2 mile north of Lobo peak. The more strongly altered portions of this zone, which is possibly 1000 feet in diameter, are made up of a dense flinty rock containing disseminated pyrite. Oxidation is quite superficial. No evidence of copper was seen. Reportedly some gold mining was carried on here in the early days.

Original signed by
J. H. Courtright

J. H. COURTRIGHT

JHC/as
cc: KERichard