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Carpenter

D-4

Douglas County
Item 5

RENO OFFICE
RECONSTRUCTION FINANCE CORPORATION
FIELD REPORT

Docket No. ND-5473

Date Application Received

April 8, 1943

Date Field Examination

May 27, 1943

Date of Report

June 9, 1943

NAME AND ADDRESS OF APPLICANT

Peter Fox
113 Mount Rose Street
Reno, Nevada

NAME AND ADDRESS OF CORRESPONDENT

C. L. Richards
140 North Virginia Street
Reno, Nevada

LOCATION OF MINE

Western Douglas County, Nevada, in Sweetwater Range.

APPLICANT'S INTEREST IN OR OWNERSHIP OF PROPERTY

Applicant is one of four parties in a general partnership that holds a lease and option agreement from the locators.

LOAN REQUESTED

Loan requested is \$7,800.00.

LOAN RECOMMENDED

None.

DESCRIPTION OF PROPERTY

The Applicant accompanied the writer to the property on May 27, 1943, driving from Reno. The first 75 miles is via paved highway, the next 5 miles over fair county road, and the last 3 miles leads up a narrow, winding canyon to within about 1500 feet of the main workings. This 1500 foot stretch is up a narrow ravine that rises on about a 20% grade, and was negotiated on foot.

It may be noted here that Applicant lists the sum of \$500 for "road repair" under "Expenditure Purpose of Loan". This seems to be a very low estimate.

Although there are 14 claims included in the holdings listed in the application, all the showings and work are upon the Ski Hi Claim, where garnet and epidote containing some scheelite out-crop.

TOPOGRAPHY AND GEOLOGY

The Ski Hi Claim, which is a northerly-southerly location, lies across a westerly coursing ravine. The sides of the ravine leading to the crests of the ridges flanking it are quite steep; about 30°. North of the ravine the rock formation is well exposed and consists of north-south trending strata of schist, cut by numerous narrow dikes or veinlets of granite, aplite, or related rocks. A single bed of altered limestone about 50 feet wide (or thick) conforms to the schist in strike and dip. All apparently dip at angles approaching the vertical. A belt of garnetized rock outcrops on the west side of the limestone. It varies greatly in width, but may be said to range from 10 to 30 feet wide, and can be traced for about 300 feet north of the ravine. Scheelite occurs in seams and crevices in the garnet, and more or less disseminated in the ground mass.

An open cut about 10 feet square and 10 feet high at the face has

been dug into the garnet, near the bottom of the ravine on the north side. The Applicant thinks this is all in ore of commercial grade, and the application is based upon the belief that this can be mined and screened to produce screenings (minus 1/4 inch) that will pay to ship to Metals Reserve Company's milling point at Salt Lake.

It is the Applicant's belief that all the values (scheelite) lie loosely in the seams and fractures in the garnet; that ordinary blasting and mining will release the scheelite so that it can be screened out.

That being the crux of the problem, a sample of the dump was taken in such a manner that it represented as far as possible the relative proportion of coarse and fine material as already mined by the Applicant.

The sample (No. 335) weighed 49.5 pounds. Passed over a 1/4 inch screen the fines (minus 1/4) weighed 15.0 pounds and assayed .35% WO₃. The coarse (plus 1/4 inch) weighed 34.5 lbs. and assayed .20% WO₃.

A 4 foot channel cut across the best ore in the face of the cut (sample No. 347) assayed .15% WO₃

The calculated value of the 49.5 pound sample is .245% WO₃.

The Applicant had previously applied for an access mine road, and an examination of the property was made by Engineer Eveleth of the U. S. Bureau of Mines Reno station. The results of his sampling are noted below:

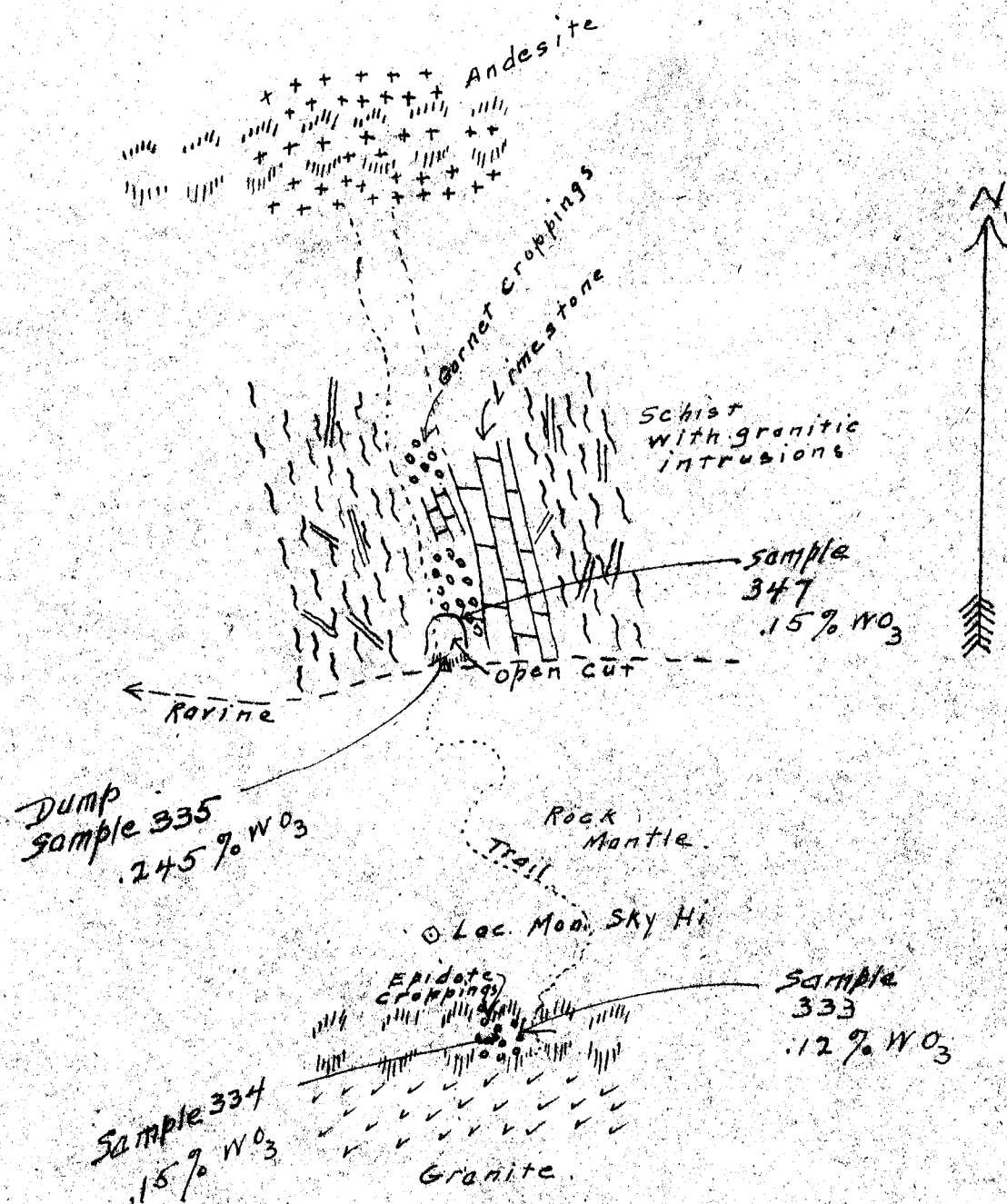
Sample Description	U.S. Bureau of Mines	R.F.C.
4 ft. channel cut in face of cut	.11%	.15% WO ₃
Next 3 ft. out east	.01%	Not taken
Fines from dump (grab)	.14%	- - -
(Fines through 1/4 inch screen)		
(30% of 49.5 pound sample		.35%
Coarse plus 1/4 inch screen		.20%

About 400 feet south of the open cut, on the crest of the ridge is a blossom of epidote where the granite is undoubtedly in contact with the metamorphics. Scheelite can be seen in joint planes and knife blade seams in the mass. The epidote area is about 50 feet in diameter. A sample, No. 333, was taken from rock in place in a shallow cut, about 4 feet long. It assayed .12% WO₃

A chip sample, No. 334, was taken from rock blasted out of the epidote area in a half dozen places. It assayed .15% WO₃.

It is evident that the tungsten content of both the garnet and the epidote is too low to be of any economic importance. The project is infeasible, both from the standpoint of the tungsten tenure of the ore, and the physical conditions surrounding it. It certainly cannot be expected that a loan granted here would promote the war effort by the production of tungsten in any reasonable quantity at a reasonable cost. The property was not recommended for access road work by the U. S. Bureau of Mines.


CARL STODDARD
Engineer



SKETCH

Peter Fox Tungsten Mine

Douglas County, Nevada.

Docket No. 5473. 5/27/43.

Scale: 200' = 1 inch