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Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TUNGSTEN NO. 1 AND 2

ALTERNATE NAMES:
WALLS TUNGSTEN CLAIMS

PINAL COUNTY MILS NUMBER: 168B

LOCATION: TOWNSHIP 3 S RANGE 13 E SECTION 15 QUARTER SW
LATITUDE: N 33DEG 10MIN 00SEC LONGITUDE: W 111DEG 00MIN 46SEC
TOPO MAP NAME: TEAPOT MOUNTAIN - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:
TUNGSTEN

BIBLIOGRAPHY:
ADMMR TUNGSTEN NO. 1 AND 2 FILE
ADMMR MAPS.-ADOT HIWAY MAP PINAL CO. P.3,1949
ADMMR U FILE PINAL W-5
DALE, V.B., TUNGSTEN DEPOSITS OF YUMA AZ.
USBM RI 5516, 1959, P. 44

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

RECEIVED
AUG 14 1958
DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

August 8, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Tungsten No. 1 & 2 (tungsten
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

This mining property now belongs to Kennecott Copper Corporation, Ray Mines Division, Ray, Arizona.

Leo Wall

Leo Wall
Box 144
RAY, ARIZ.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine TUNGSTEN No.1 & 2 Date February 12th, 1943

District RAY, ARIZONA. Engineer A. Macfarlane

Subject: Leo Wall, Tungsten.

Mining Claims; There are five contiguous full claims in this group, situated about 3 miles westerly from the mining center and office of the Ray Consolidated Copper Company.

The main tunnel and a hill side cut or stope, being the only exploration work so far made, the tunnel is approximately 1200 feet higher elevation than the Ray office, this tunnel its portal located on the south bank of a deep gully has been driven about 100' S.50 degrees E.

At a point 50' in tunnel, a drift has been driven about 75' this drift following a vein or fracture conforming to the fracturing of an undetermind rather large crushed schistose body, some quartz and calcitic material filling the vein or gash the strike of this fracturing being from west to east.

Fully 50 tons of caved material blocks the entrance of the tunnel and only a small aperture at present allows a man to enter.

Accompanied by the owner of the property, Mr Leo Wall of Ray, Arizona and equipped with a flouresent lamp, we slid in from the top of the muck and gained just inside the tunnel portal and gaining the dark 15' easterly from the portal, we commenced this examination.

Metal Occurrence; The higher grade scheelite, apparently is part of the fracture filling for a width of 6" to 15" and the positive reflection was continuous, to near the heading of the east branch.

However the tungsten was stronly reflected on both walls of this tunnel and at places on the back beyond the vein or fracture material. This shows important dissemination of the scheelite to extend into the wide schist zone, a favorable condition for the development of a commercial sized body.

A few tons of muck thrown into the main tunnel or caved from the back of same, at the forks of the two headings, reflected good scheelite values, also the sides and back of this main heading, at least for 10' S.E. of the junction.

The fracture or joint planes have a course of west to east, while the main tunnel from portal to heading is S.50 degrees east, so it is possible that the main tunell heading, has been driven a little beyond the scheelite mineralization.

(Note sketches herewith)

Road; From the north-east suburb of the village Sonora an old abandoned road meanders in a general westerly direction and in places ~~steeply upgrade~~

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steeply upgrade to within 2,000' of the mine tunnel, from this point at reasonable expenditure, the road could be extended to within 700' or 800 feet of the portal, mine rail trackage along the steep south bank of the canyon, would more cheapily connect the tunnel to road, than other practical means.

Mine Development; The left or due east branch of the present tunnel should be extended several hundred feet further, and short cross-cuts to the north and south, made at approximately 100' intervals therefrom. An upraise following a main mineralizing fracture for the dual purpose of supplying air and blocking out ore above the tunnel back would also be required.

If from 800 to 1,000 lineal feet of development were made as extention to the present exploration, I estimate that fully 15,000 tons of scheelite bearing gangue would be placed in sight.

Grade Of Tungsten; In this body of crushed and brecciated schist thru which meanders quartz veinlets, I estimate an average of 2% Wo3 from the frequency of the reflections now obtainable, along the sides and back of the tunnels.

Some samples assayed show much higher tungsten content, but these samples were off the fracture filling material and may not reflect properly the grade of ore, supporting a concentrator which would be required to make a salable product.

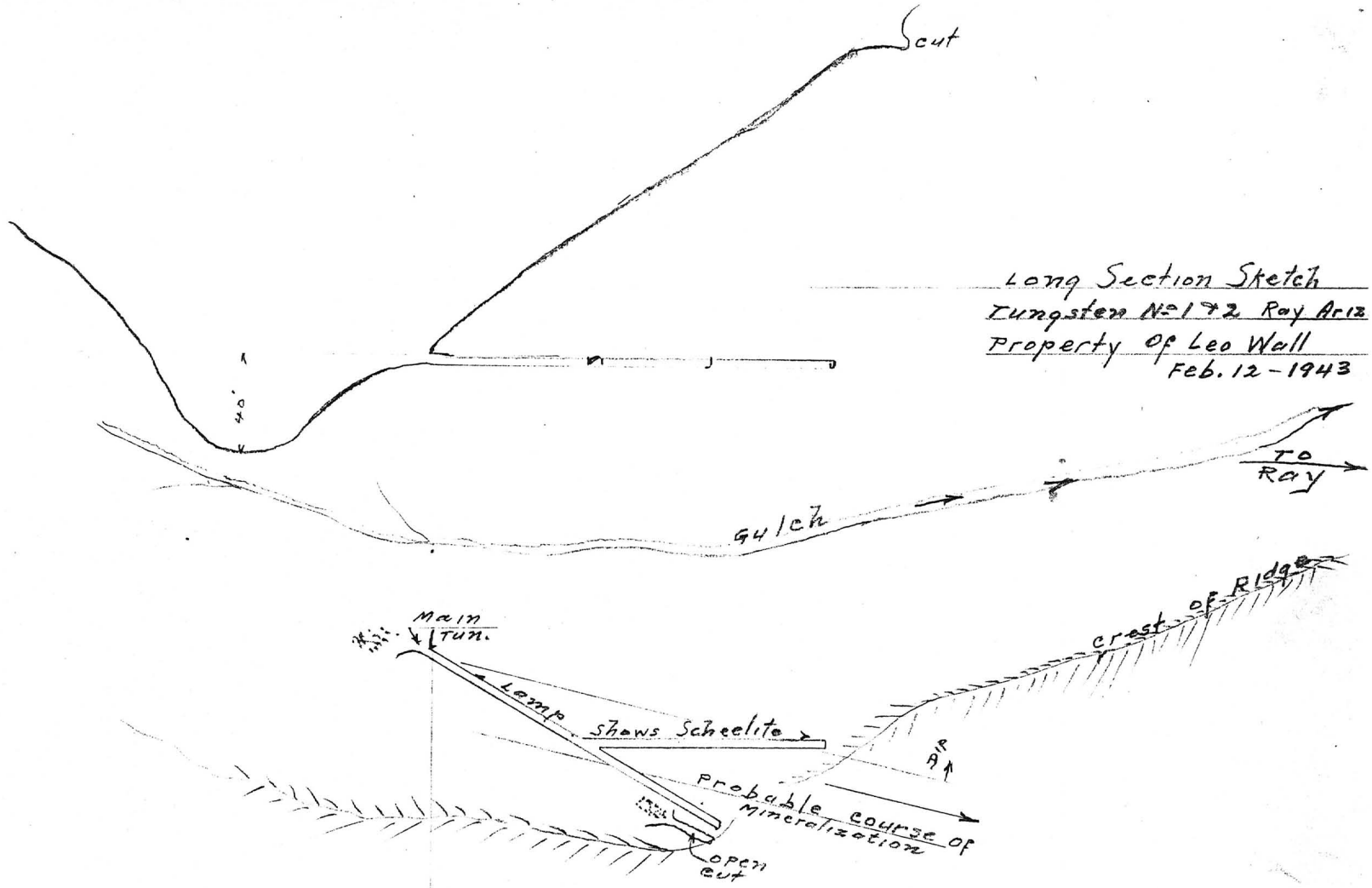
The cleaning out and systematic sampling of the present under ground tunnels should now be made, for the purpose of knowing the grade of ore correctly, that is now exposed in the tunnels, and from this to lay out a plan leading to early production from this excellent scheelite showing.

Water; For milling purposes can most reliably be obtained out of Mineral creek, although Mr Wall pointed out a long tunnel also a mountain spring as also being sources, continuous throughout the year

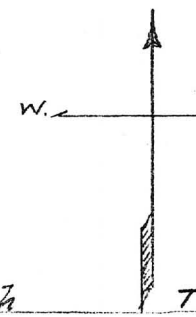
Some additional tunnel development and road are required before considering a subsequent required investment in plants.

The gangue in which is found the sheelite is sheeted and rather soft, air drilling equipent is not yet required.

In conclusion I state that this tungsten prospect has ample merit, to justify a further expenditure along the line of its continued development.



Long Section Sketch
Tungsten No 1 & 2 Ray Ariz
Property of Leo Wall
Feb. 12 - 1943



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Approx. Scale 1" to 50'
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Ray, Arizona. Leo Wall owner.

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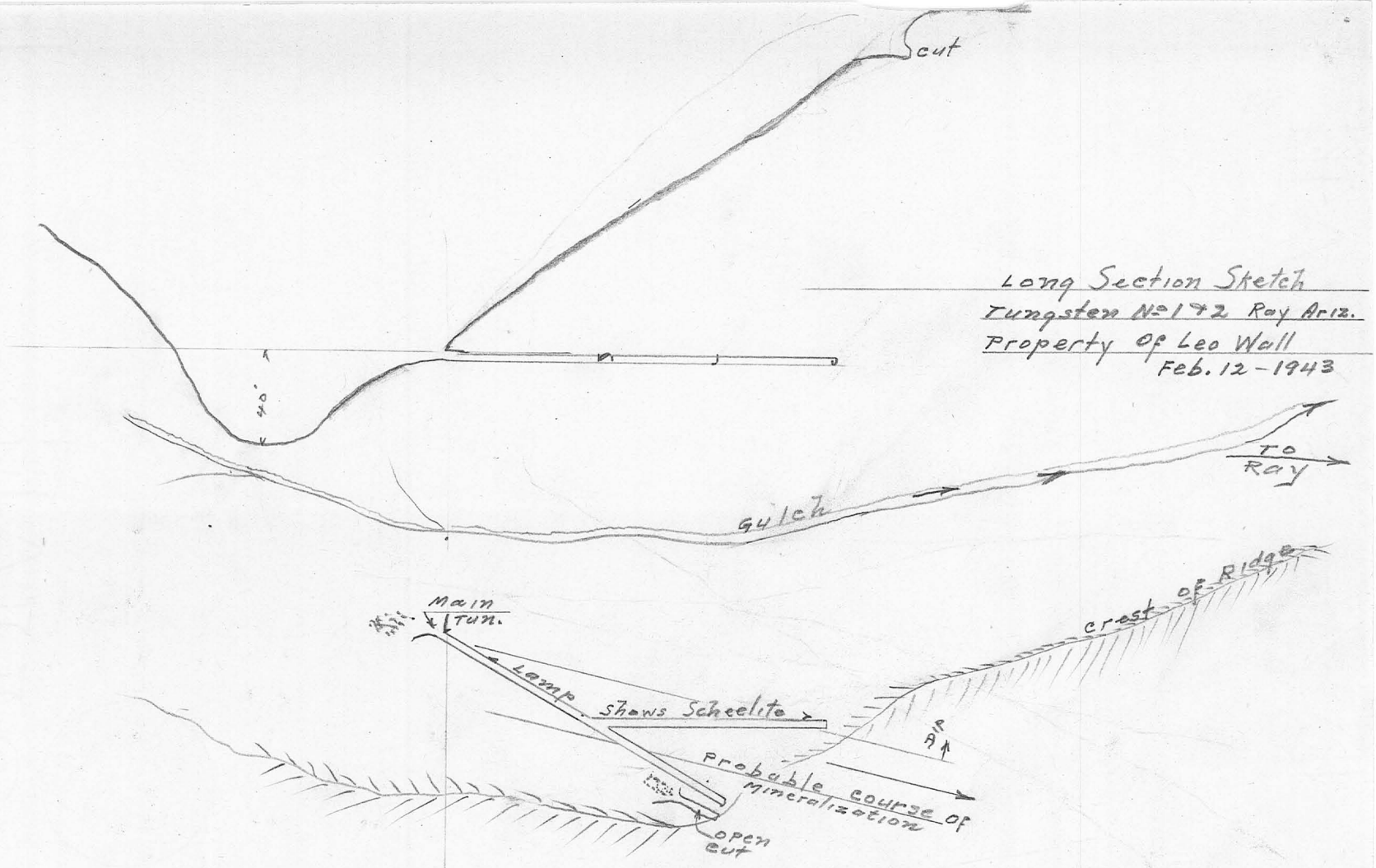

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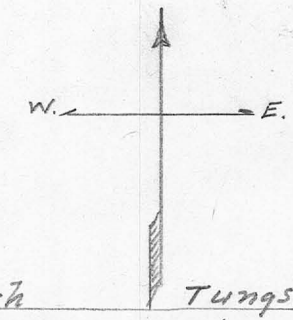

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