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PRINTED: 09/06/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: WEDGE CLAIMS NO. 2

ALTERNATE NAMES:
WEDGE LEAD GROUP

PINAL COUNTY MILS NUMBER: 211A

LOCATION: TOWNSHIP 3 S RANGE 11 E SECTION 17 QUARTER S2
LATITUDE: N 33DEG 09MIN 51SEC LONGITUDE: W 111DEG 14MIN 11SEC
TOPO MAP NAME: MINERAL MTN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
LEAD
GOLD
SILVER
VANADIUM
BARIUM BARITE

BIBLIOGRAPHY:
ADMMR WEDGE CLAIM NO. 2 FILE
ADMMR U FILE PINAL PB9
ADMMR TABLE MOUNTAIN MINE FILE
A.L. FLAGG, VANADIUM BOOK IV AND VIII
SIMONS, FRANK S., GEOL. OF KLONDYKE QUAD
GRAHAM AND PINAL CO. PP 461, 1964, P.150-151
ELEVATORSKI E.A., AZ IND. MIN. 1980, P. 53

04/30/87

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WEDGE LEAD GROUP

PINAL COUNTY MILS NUMBER: 211A

LOCATION: TOWNSHIP 3 S RANGE 11 E SECTION 17 QUARTER S2
LATITUDE: N 33DEG 49MIN 01SEC LONGITUDE: W 110DEG 29MIN 11SEC
TOPO MAP NAME: MINERAL MTN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
LEAD
GOLD
SILVER
VANADIUM
BARIUM BARITE

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ADMMR WEDGE CLAIM NO. 2 FILE
ADMMR U FILE *Pb9*
ADMMR TABLE MOUNTAIN MINE FILE
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WEDGE CLAIM #2

Pb, Ag, Au

Pinal

11 - 3

T 11 E, R 3 S

L. Greehhaw, Phoenix

'43



Mils DIA

RECORD IDENTIFICATION

LOCATION

UTM *NORTHING A120 < 3 6 6 9 4 4 0 > *EASTING A130 < 4 7 7 8 3 0 1 > *ZONE NUMBER A110 < + 1 2 >	*ACCURACY ACCURATE (ACC) (circle) ESTIMATED EST < _____ >	GEODETIC *LATITUDE A70 < _____ N _____ > *LONGITUDE A80 < _____ W _____ >
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TOWNSHIP(S) A77<003.S : : : : :> RANGE(S) A78<011.E : : : : :>
SECTION(S) A79<17 : : :>
SECTION-FRACTION(S) A76<C OF SW OF SE
MERIDIAN(S) A81<GILA AND SALT RIVER>

* ESSENTIAL INFORMATION
+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 P.B. Z.N. A.G. C.U.
 *ORE MINERALS C30 CERUSSITE, LISITE, GALENA
 COMMODITY SUBTYPES C41
 *GEN. ANALYTICAL DATA C43
 COM. INFO. COMMENTS C50

* SIGNIFICANCE

PRODUCER
 MAJOR PRODUCTS MAJOR P.B. Z.N.
 MINOR PRODUCTS MINOR A.G. C.U.
 POTENTIAL PRODUCTS POTEN C.U.
 OCCURRENCES OCCUR

NON-PRODUCER

MAIN COMMODITIES PRESENT C11
 MINOR COMMODITIES PRESENT C12
 OCCURRENCES OCCUR

*PRODUCTION

PRODUCTION YES (circle) PRODUCTION SIZE SM MED LGE (circle one)

NON-PRODUCER

PRODUCTION UND NO (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER

NON-PRODUCER

STATUS AND ACTIVITY A20 H

STATUS AND ACTIVITY A20 L

*DISCOVERER L20
 *YEAR OF DISCOVERY L10
 *PRESENT/LAST OWNER A12 L. GREENHAW (1943)
 *PRESENT/LAST OPERATOR A13 L. GREENHAW (1941-42), LEWIS RAHN (1943), TENNEY AND BETTER
 *EXPL./DEV. COMMENTS L110 4 UNPATENTED CLAIMS

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40 VEIN
 *DEPOSIT FORM/SHAPE M10 TABULAR
 *DEPTH TO TOP M20
 *DEPTH TO BOTTOM M30
 *DEPOSIT SIZE M15 SMALL M15 MEDIUM M15 LARGE (circle one)
 *STRIKE M70 N5W
 *DIRECTION OF PLUNGE M100
 *DEP. DESC. COMMENTS M110 3 MAJOR VEINS PRESENT

DESCRIPTION OF WORKINGS

*Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one)
 *DEPTH BELOW SURFACE M160
 *LENGTH OF WORKINGS M170
 *DESC. OF WORK. COM. M220
 *OVERALL LENGTH M190
 *OVERALL WIDTH M200
 *OVERALL AREA M210
 *UNITS M191
 *UNITS M201
 *UNITS M211

GEOLOGY

*AGE OF HOST ROCK(S) K1 PREC.
 *HOST ROCK TYPE(S) K1A SCHIST
 *AGE OF IGNEOUS ROCK(S) K2
 *IGNEOUS ROCK TYPE(S) K2A
 *AGE OF MINERALIZATION K3 TERT. PROBABLY MIOCENE
 *PERT. MINERALS (NOT ORE) K4 QUARTZ
 *ORE CONTROL/LOCUS K5 N-S TO N5W STRIKING FIBRE VEINS, W DIP
 *MAJ. REG. TRENDS/STRUCT. N5 TERTIARY INTRUSIVES AROUND MINERAL MOUNTAIN AREA
 *TECTONIC SETTING N15
 *SIGNIFICANT LOCAL STRUCT. N70
 *SIGNIFICANT ALTERATION N75
 *PROCESS OF CONC./ENRICH. N80
 *FORMATION AGE N30 PREC.
 *FORMATION NAME N30A PINAL SCHIST
 *SECOND FM AGE N35
 *SECOND FM NAME N35A
 *IGNEOUS UNIT AGE N50
 *IGNEOUS UNIT NAME N50A
 *SECOND IG. UNIT AGE N55
 *SECOND IG. UNIT NAME N55A
 *GEOLOGY COMMENTS N85 MINERALIZATION AGE PROBABLY SAME AS TERTIARY INTRUSIONS IN AREA. TERTIARY QUARTZ LATITE 15.8-17.4 MY. APPROXIMATELY 100 M E OF MINE.

GENERAL COMMENTS

GENERAL COMMENTS GEN

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

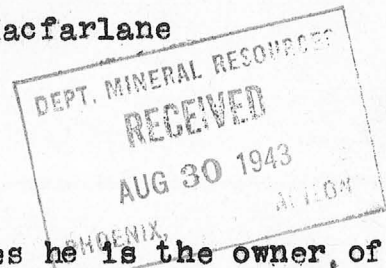
Mine WEDGE CLAIM NO. 2

Date August 28th, 1943

District Mineral Hill, Pinal County

Engineer A. Macfarlane

Subject: Examination.



OWNERSHIP

Mr L. Greenhaw now of Phoenix, Arizona states he is the owner of the four unpatented claims, herein after referred to as Wedge Lead group, and recently these claims have been leased to Mr Louis N. Rahn, also of Phoenix, Arizona.

Location

These claims and the workings thereon are situated nearly 18 miles easterly from Florence the County Seat Of Pinal County, Arizona and about 6 miles north of the Gila river and at the south foot of a high eminence, named Mineral Hill.

Ajoining claims on the north and east are of the Alta patented group and on the west and south, claims of the Troxel Holdings.

The Old Oklahoma mine at one time formally worked by the Shannon-Copper Co. during the early years of this century, now part of the Troxel group, forms the southwest boundary of the Wedge claims.

Roads

From the paved main highway about 5 miles north of Florence a bladed County road extends eastward into the Mineral Hill belt a distance of about 17 miles, thence stub or mine roads fork and end at each mine. Practically all the road up to the Wedge tunnel is in fair condition and only needs minor repairs, prior to ore trucking.

Vein Description

From inspection of the croppings it is determined that, three veins roughly parralleling and about 50 and 80 feet apart, strike up a hill side from south to north.

The general course of these veins being N.25 degrees west and dip about 70 degrees west; on sketch have marked these fissures as East Vein, Center Vein and West Vein, and describe them as follows;. The East Vein cropping is bold well defined and has a surface width of 5' to 12', the stope at the southern foot made on the vein cropping shows high silica content of the gangue and from this stope Mr Greenhaw states he shipped to Magma Smelter a carlot assaying about 2 1/2% Cu and a little gold and silver, and due to the high silica content, this material is desireable as convertor flux. Following up hill for 900' to the hill crest the cropping is continuous and shows some carbonate of copper mineralization. Another shallow surface cut made at the hill crest on East Vein, shows similar characteristics, although the Crest cut is

about 175' higher elevation than the south stope.

The material mined at the Hill Crest stope seems to be in pile there and this pile is distant from the road by 300' and fully 150' higher than the road, it is presumed the grade of same was not high enough to permit of the marketing of this carlot.

This East Vein is structurally very attractive at the surface, but requires drifting and sinking in order to obtain sampling faces, for determination of the value of the vein filling.

Center Vein is developed by an open cut continued by a tunnel driven 75' on the lead, the heading now about 35' ^{vertically} under cover.

Just inside the tunnel portal, a winze has been sunk to a depth of about 20' the lower 6' of this winze being filled with a mixture of ore and waste. This tunnel and winze have opened a vein from 2.5' to 4' wide. I took a 4' sample of the tunnel heading and this assayed nearly 4% Pb. while a 3' sample in the north end of winze and small stope assayed just over 32% Pb.

On the ends of this winze some tonnage of good lead ores can be won and it is noted, that this vein cropping some 70' southerly and 50' lower, exposes some of the Cerrusite and Galena, as now visible in the winze.

The lead ores are not entirely continuous along the floor and back of this tunnel, the tendency being to occur in bunches or short lenses; however it is fair to state; that continuation of the exploration on this Center Vein, will make available additional ores.

West Vein; Approximately 80' northwesterly from the portal of Center tunnel is situated the portal of the West Vein and the tunnel, which is driven into the hill for 75' on a north 28 degree west course. At this 75' point the tunnel forks, a left hand drift on course of north 45 degrees west was advanced at some past time a distance of 65' on what seems to be a lead bearing vein of 4' to 6' wide.

As much muck left from an overhead stope and numerous chollas, cactus spines, partly blocked the entrance to this drift and stope, I was unable to sample this part of the mineralization.

From this fork or junction a distinct Batholite, apparently faulting horizontally the near surface formations, at least in the area of this West Vein, the smooth top surface of this batholite, formed the floor of the tunnel in its northerly course.

All mining heretofore on this vein was done above this batholitic up-thrust, just to what extent this influence the downward structures and mineralization of the vein system, is not now determinable.

Geology

Of the Mineral Hill area, seems complicated and many non-conformities appearant. Particularly the stratigraphical section, influencing the downward mineral existence is most important.

It is also apparent that the lead and copper minerals are contemporaneous with the quartz and other inclusive vein matter occurring in the pre-Cambrian rocks forming the surface exposures.

Older stratified formations are indicated as floors beneath the metamorphic hills the surface formations, wherein are found the veins and mineral depositions, may or may not penetrate beneath the lower stratas.

Mineral Hill just to the east of the Wedge claims, seems to be a large mass of Porphyritic Granite, while within the Wedge ground, dacite and kolinized and calcitic formations, form the host rock together with fractured rhyolite.

Southward and lower down are noted stratas of altered lime these uptilted and showing effects of Igneous agencies.

The batholitic upthrust encountered within the West Vein tunnel, is apparently from the latter elements.

Available Ores

The small amount of exploration made on any one vein and also the buncy nature of the lead ores, does not yet make visible more than an estimated one or two carlots of shipping grade.

However mining along the continuance of these lead shoots, will place available more tonnage.

These lead ores are classed as Cerrusite, Anglisite and occational bunches of Galena; they are very low in sulphur, in fact clean lead smelting ore free from smelting penalties.

Marketing Lead

The Lead smelter of the A.S. & R. Co. of El Paso, Texas, provides a market for such ores as may be produced from the Wedge ground.

Assuming that 15% lead ores are to be shipped to El Paso, the returns and costs are as follows;

15% Pb. less 1.5% for dry assay is 270#Pb, take 90% leaves 243#
payed for, at .065 less .016 is .049 pay price per Lb, per ton \$10.91
1st, premium of 2 3/4 cts, per pound on 85% of total assay-
value, is 300# less 45# is 255# at .0275 is 7.01
Gross smelter value plus the first premium ton \$ 17.92

Smelting on this ore, the charge will be about \$4.50
Rail freight about 2.75 7.25

The net smelter value per above calculation \$10.00 per ton, by
obtaining the 2nd, premium of 2 3/4 cts, 7.01 is added to
the net value of the ore 17.01

A. Macfarlane

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

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17.01

A. Macfarlane
Field Engineer

Mail Blue Print of

Wedge -

* Louis N. Rahr ✓

Luxes Hotel 9-³ 98

Phonix

