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PRINTED: 02/25/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: OLD MAUDINA

ALTERNATE NAMES:

UNPATENTED CLAIMS MS 4250
MAUDINA MS 4250, UNPAT.
DON PEDRO MS 4250, UNPAT.
CODY TUNNEL
WILLIAMS TUNGSTEN
PURE GOLD CLAIM
CAMPO BONITO TUNGSTEN PROPERTY

PINAL COUNTY MILS NUMBER: 709A

LOCATION: TOWNSHIP 10 S RANGE 16 E SECTION 20 QUARTER NE
LATITUDE: N 32DEG 33MIN 06SEC LONGITUDE: W 110DEG 43MIN 37SEC
TOPO MAP NAME: CAMPO BONITO - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

TUNGSTEN
GOLD
SILVER
SILVER
LEAD

BIBLIOGRAPHY:

BLM MINING DISTRICT SHEETS 709 & 710
BROMFIELD, CALVIN S., GEOLOGY OF THE MAUDINA
MINE AREA, NORTHERN SANTA CATALINA MTS.
PINAL CO. AZ., MS UOFA 1950
DALE, V.B., TUNGSTEN DEPOSITS OF YUMA,
MARICOPA, PINAL AND GRAHAM COUNTIES, AZ.
USBM RI 5516, 1959, P. 52-
ADMMR FILES
ADMMR MAUDINA TUNGSTEN MINE
ADMMR U FILE PINAL W-1
AZBM BULL. 180, P. 280
WINSON, E.D. TUNGSTEN DEPOSITS OF AZ, AZBM
148, 1948, P. 33
CLAIMS EXTEND INTO SEC. 17, 18 & 21

REFERENCES:

SEE: USBM RI 5516 pp-52-53, 55, 60 (1959)

SEE: USBM RI 5516 1959 pp-49-51, 53-54, 62-63, 56-60 (Pure Gold Claim)

SEE: USBM RI 5516 pp-53 (SULFIDE, SUMMER HOME, SUMMIT, SWASTIKA) (See Map)

ABM Bull. 180, p. 280

ABM Bull. 148 p. 32

Cuox Mining, Inc. (file)

Morning Star Mine (file) Pinal County see 1944 USGS report

Bromfield, Calvin S. Geology of the Maudine Mine Area, Northern Santa Catalina Mountains, Pinal County (geology file) 1950

MILS sheet sequence number 0040210920

MAPS - Upstairs in the flat storage area - Drawer 5

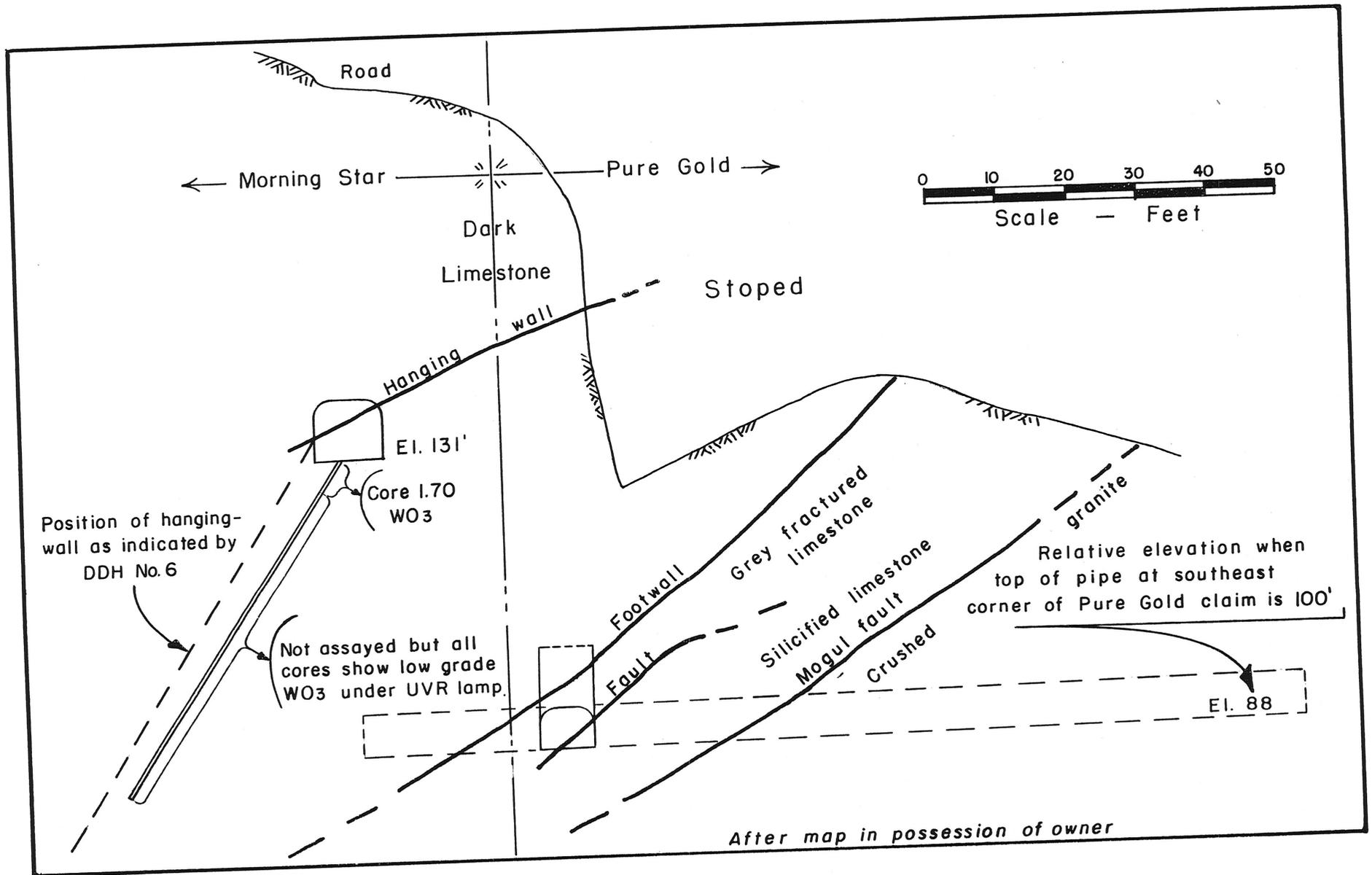


Figure 23 Section through diamond drill hole No. 3 at S36^oW looking northwest, Pure Gold deposit, Pinal County, Arizona

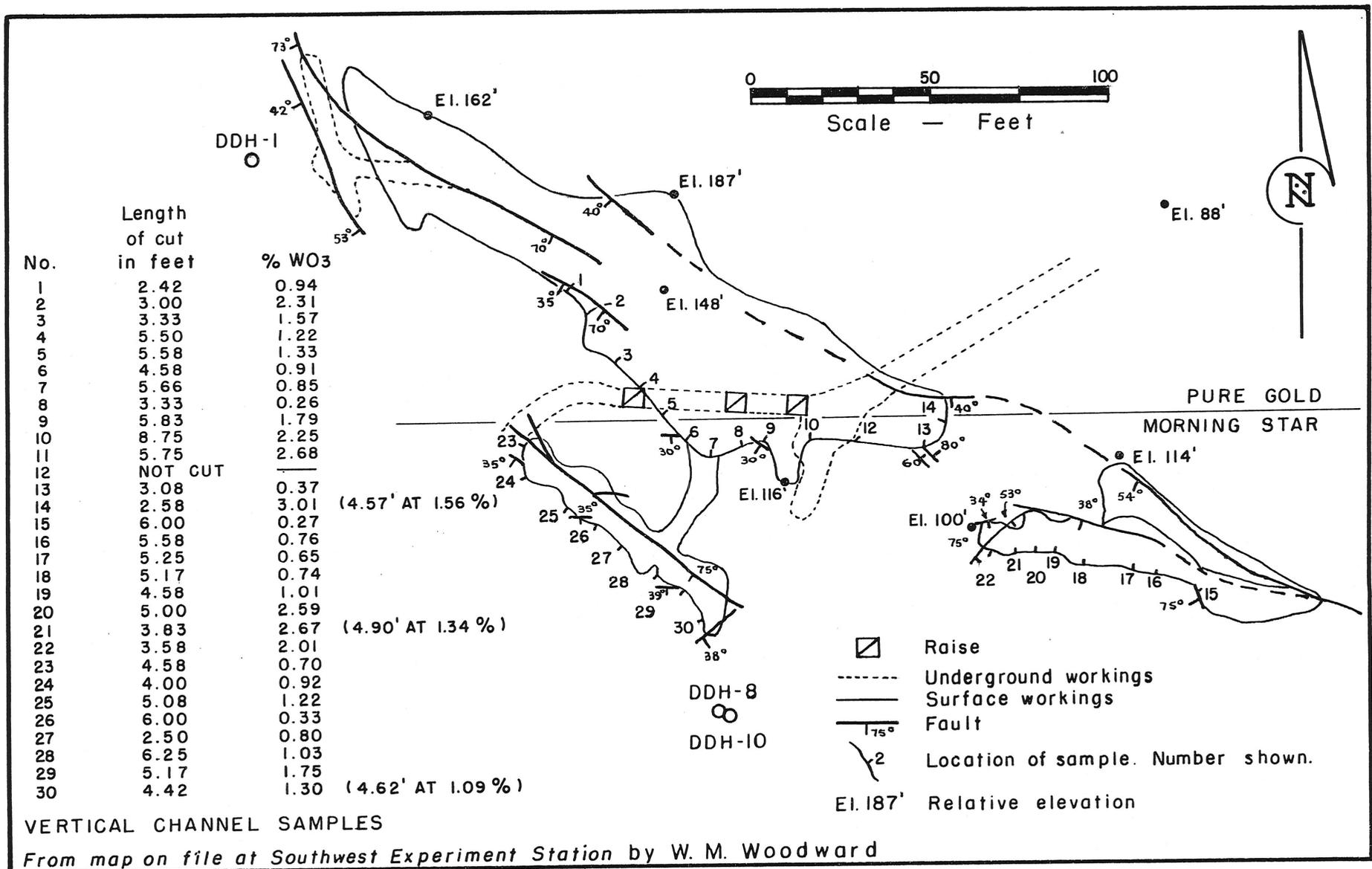


Figure 25 Assay map of workings on Pure Gold claim, Pinal County, Ariz.

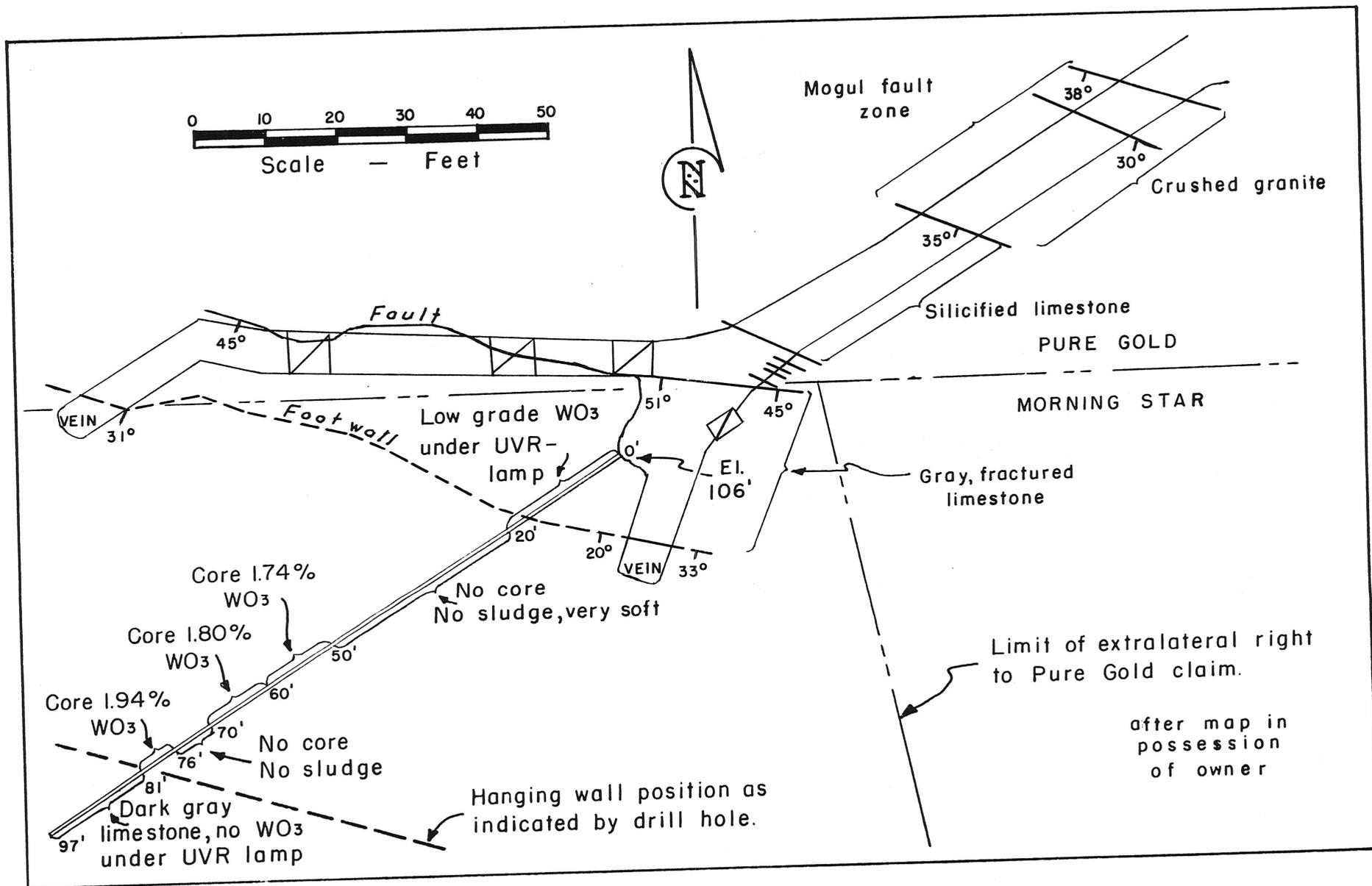
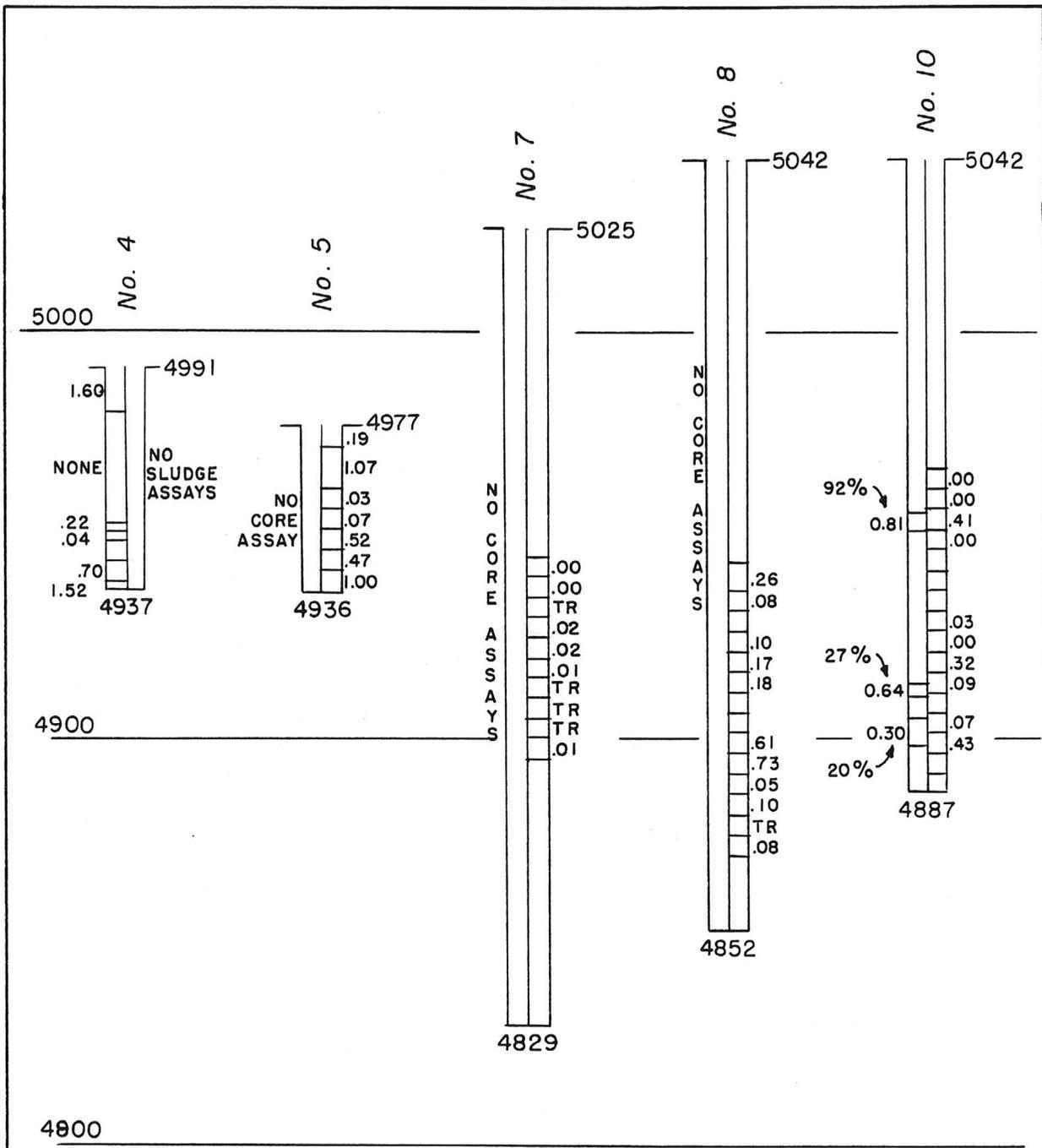


Figure 24 Diamond drill hole No. 6, Pure Gold claim, Pinal County, Ariz.



First number to left of section is core assay in percent WO₃
 Second number to left is percentage core recovery - 27% at 0.30
 Number to right of section is sludge assay

from maps by W. M. Woodward

Figure 22 Drill hole cross-sections, Pure Gold claim, Pinal County, Arizona

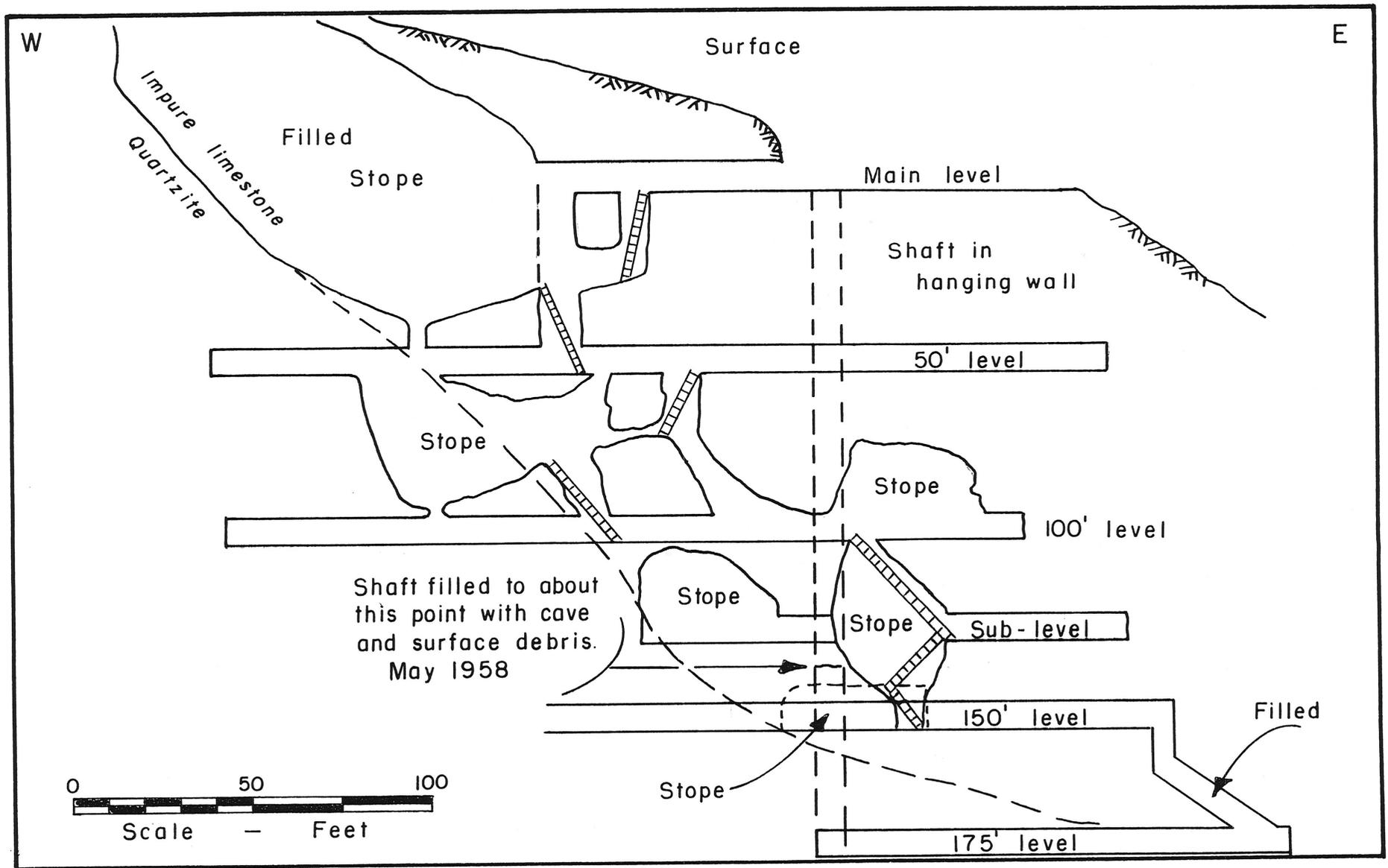


Figure 21 Longitudinal section in the plane of the vein, Maudina mine, Pinal County, Arizona

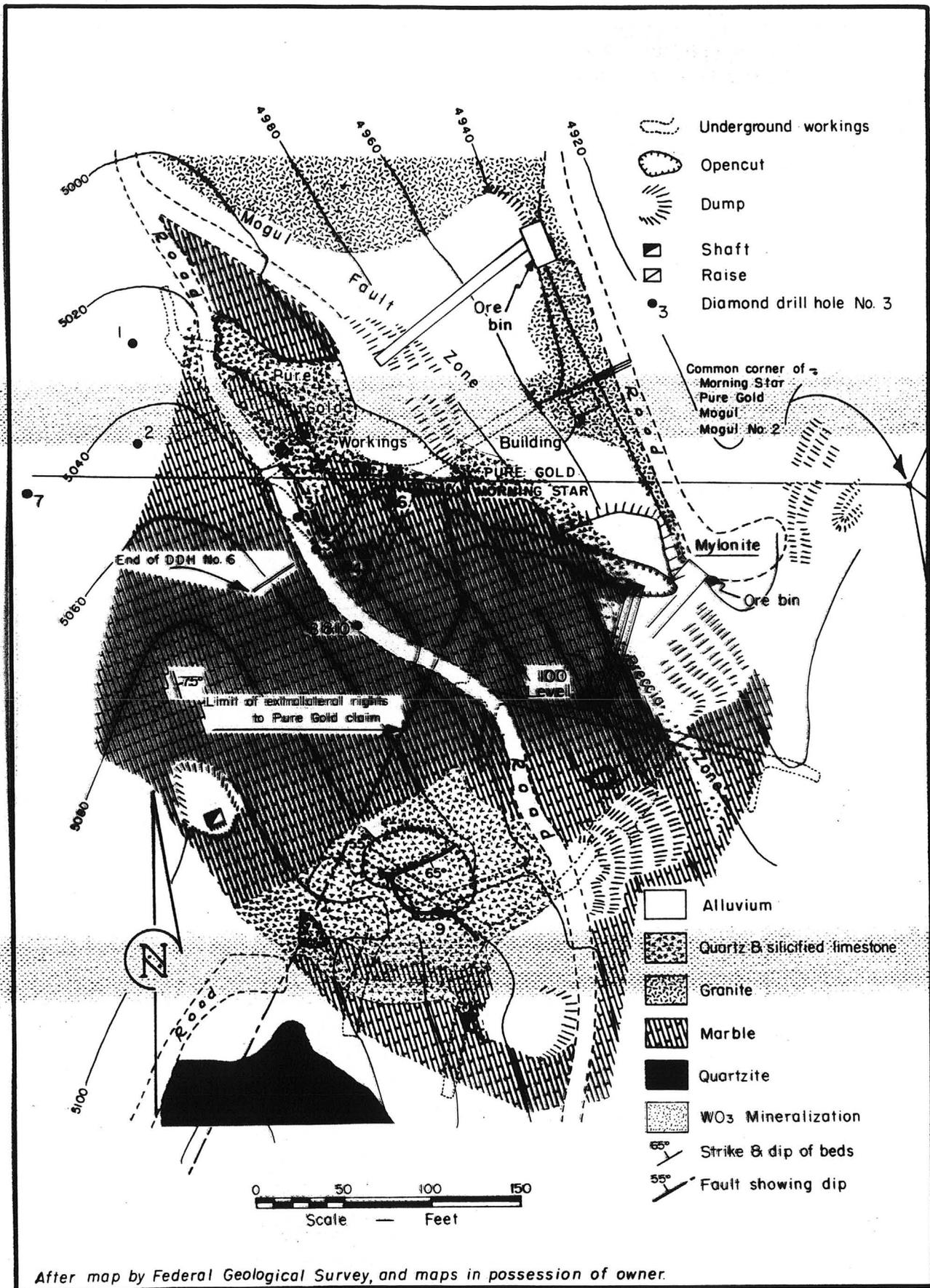


Figure -20- Geological map showing surface contours, diamond drill holes, and workings on the Pure Gold and Morning Star claims, Pinal County, Arizona

MAUDINA TUNGSTEN MINE

PINAL

Trans World Minerals own and operate the Campo Bonita WO_3 property near Oracle from which they've shipped about 1000 pounds of 72% WO_3 concentrate to Kennemetal. They claim to have 30,000 tons of minable tungsten ore.
KAP WR 8/18/76

WR GI 8-9-77 - Arthur Zappia, 622-8958, reports that there is hi-grade scheelite in the Morning Star & Maudina Shafts in the Oracle Districts. He worked for Mr. Lieberman in both properties. 9-12-77 bh

NAME OF MINE: <u>MAUDINA</u> ✓		COUNTY: <u>PINAL</u>	S.
		DISTRICT: <u>OLD HAT</u>	
		METALS: <u>W</u>	
OPERATOR AND ADDRESS:		MINE STATUS	
DATE:		DATE:	
5/1/44	✓ E. H. Molson, Box 607, Tucson	5/1/44	Shipping
	--son	8/44	Shut down
	↓ Rt. 6, Box 671 , Tucson	6/45	Developing
	607	1/46	Idle
		10/46	Dev. & constructing mill
		3/47	Idle

Date:

Name of Mine MAUDINA TUNGSTEN MINE ✓

~~ROUTE 6, BOX 671~~

Location TUCSON, ARIZONA *Oracle*

Operator ✓ EDWARD H. MOLSON

MAUDINA TUNGSTEN MINE

Address P. O. BOX 607

TUCSON, ARIZONA

Metals Produced Scheelite

Developing Shipping *no mill.*

Financing Planning Operations Soon

Idle *10,000 Tons 1.3% WO₃ blocked out*

100,000 Tons possible.

See: MOLSON & COMPANY (file) Tungsten

8-28-42

Molson, Edward H.
Molson & Company (2020 E. 7th St.)
P. O. Box 607
Tucson, Arizona

See M File

Re - circulars and publications

See MAUDINA - re gas application

12-30-44

See M file

Re - development loan information

10-14-42

See M file - type of loan

3-2-43

See MAUDINA - Re mine loan application

5-4-43

See MAUDINA - re tax exemptions

1-29-45

See WOOLERY - re information

3-12-46

See MAUDINA - re active mine survey

2-8-47

OWNERS OF MAUDINA - E.H.Molson 57.56%

(or Camp Bonito Grp) Mrs. Mary C. Ewing

21.22%

Tom K. Richey

21.22%

6-10-52

EWING, MRS. MARY C. et al Owners (Tungsten)

6-10-52

MINE - CAMP BONITO GROUP (also called Maudina Mine)
Old Hat Mining Dist., Pinal Co.

OWNERS - E.H. Molson

57.56%

Mrs. Mary C. Ewing

21.22%

Tom K. Richey

21.22%

Ewing, E. J.

P. O. Box 607 - Deceased - 9-6-45

Tucson, Arizona

8-11-42

See MOLSON & COMPANY - Re RFC CLASS "C" LOAN

Richey, Tom K.

6-28-40

P. O. Box 2630

Tucson, Arizona

See MG-63 - Re Owners Mine Report

(Owner-Guaranty Mines Co.)

See Maudina Mine - Owners- E.H.Molson 57.56%

(or Camp Bonito Group)

Mrs. Mary C. Ewing

21.22%

Tom K. Richey

21.22%

6-10-52

MAUDINA MINE

Wo

Pinal

11 - 4

T 10 S, R 16 E

Edward H. Molson, 2020 E. 7th St., Tucson

'45

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Camp Bonito Group (also called Maudina Mine) Date June 10, 1952.

District Old Hat Mining Dist., Pinal Co. Engineer Axel L. Johnson

Subject: Mine Report ---- Information from Tom K. Richey, part owner

Location 11 miles south of Oracle. Take Mt. Lemmon Road south from Oracle for 8 miles, turn right and go 2 or 3 miles. Near the Morningstar mine.

Number of Claims 28 patented claims, and 1 unpatented claim

Owners E. H. Molson ----- 57.56 %
 Mrs. Mary C. Ewing - 21.22 %
 Tom K. Richey ---- 21.22 %

Lesee 1 patented claim called the 'Pure Gold' is leased to Albert Jansen, Oracle. This is a straight 10 % lease.

Metals Present Tungsten ore in the form of Scheelite.

Men Employed Mr. Janse working by himself, having one other man to help him.

Production Rate No production at present.

Milling Facilities Mr. Jansen has constructed a small pilot mill, and is now ready to start working same. He plans to mill the 50 to 75 ton stockpile on the property averaging 1 % ore, and also the dump, which they expect will run about 0.75 % WO₃. The capacity of the pilot mill is about 5 tons.

Ore Values The ore is said to run from 1 % to 1.50 % of WO₃ in the mine.
The stockpile is said to run about 1 % WO₃.
The dump is said to run 0.75 % WO₃.

Mine Workings The Pure Gold claim leased by Albert Jansen has an open cut about 35 ft. deep. There are a number of drifts, cross cuts, etc. on the other claims.

Past Production Considerable past production on 8 or 9 of these claims during the last World War, and also the First World War.

Previous Operator The Camp Bonito Group of mines was leased and operated in 1951 by a Mr. Lancaster. Some of the ore was hauled to the Goldfield mill at Apache Jct. for concentration, and small amount of it was stockpiled. The former operator, Mr. Lancaster gave up the lease in Jan. 1952, apparently because he could not make a profit on the operation by hauling the ore to Apache Jct. for milling, and then hauling the concentrates to Bishop, Calif., and on account of getting very poor recovery at the Apache mill, with high deductions for impurities.

Proposed Plans Owners wish to sell all their claims, or else lease with a cancellation clause, specifying cancellation of the lease in case of sale. They do not want a Government Exploration Loan.



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



NEWS ITEM

Sept. 25, 1951
By Axel L. Johnson

SOURCE OF INFORMATION ----Tom D. Collas, Box 123, Oracle, Ariz.

MINE -----Maudina mine

DISTRICT ----- Old Hat Mining District.

Location. 7 miles south of Oracle---at north edge of the Catalina mts.

Owners. Hobart Molson, Tom Richey, and E. J. Ewing ---Tucson, Ariz.

Operators. ✓ Maudina Mines Co. ✓ Mr. Lancaster, Leasor.

Officers. Mr. Lancaster, Mine Supt.

metals Mined. Tungsten ore in form of scheelite.

men Employed. 7 men until mine closed down on Sept. 1st. Operated for 6 months this year prior to Sept. 1st.

Production Rate. Work was mostly on exploration. The ore taken out was stockpiled, there being a stockpile of about 300 tons accumulated.

milling Facilities. The mine was closed down on account of there not being adequate milling facilities available in the immediate area, where the ore could be efficiently treated without a high treatment charge and high transportation costs.

Ore Values. Ore averages from 0.75 to 1.00 % WO₃.

Proposed Operations. Evidently dependent on efficient milling facilities being installed in the immediate vicinity that could treat their kind of ore efficiently. A Government Purchase Program providing for the purchase of crude ores from tungsten producers would, no doubt, make it possible for this mine to resume operations.

Geology and Past Production. See University of Arizona Bulletin "Tungsten Deposits of Arizona" by Eldred D. Wilson --- page 32.

Special Difficulties Encountered. The difficulty in mining this deposit is adequate milling facilities in the immediate area that can treat their kind of ore efficiently without excessive cost.

Axel L. Johnson

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Granted
C

Mine MAUDINA. WO₃
(Formerly Campo Bonita)
District Old Hat

Date May 4, 1943
Engineer Earl F. Hastings

Subject: Reconstruction Finance Corporation
Mine Loan

Docket No. Phx C-192
Date Application Received May 1, 1943
Date of Report May 4, 1943

1. Name and address of applicant (correspondent):
'Edward H. Molson, 2020 E. 7th Street, Tucson, Arizona.
2. Character of project and estimated cost thereof:
*WO₃. Equip for rehabilitation and reopen working shaft to lowest level (175 ft.) and lateral workings therefrom. \$5,000.00.
3. Location of property:
Old Hat Mining District, T10S, R16E, Secs. 16, 17, 18, 19, 20 and 21, Pinal County, Arizona.
4. Applicant's interest in or ownership of property:
Applicant holds 5 year lease @ 10 percent royalty applied to optional purchase price of \$20,000. Specified quarterly minimum payments required since August, 1942. Applicant does not state if lease now in good standing, although he implies as much in his claim that owners agree to subjugate interest.
5. Loan requested:
\$5,000.00.
6. Loan recommended:
\$5,000.00.
7. Comments:
(A) The property is well located in reference to semi-proven mines and has a history of material production, although specific data on such production is not available.

(B) The Seares letter, as well as the Ewing letter, refer to the 175 foot level as being in ore, although map #2 indicates the flat rake of the No. 1 ore shoot excludes the 175 foot level except on its most eastern extremity.

(C) In view of the rather extensive and thoroughly stoped areas above the 150 foot level which exceed 100 feet in length, and the statements of Messrs. Seares and Ewing as to ore occurrence on the 175 foot level, coupled with such geological evidence as is submitted which is favorable rather than limiting, it can be assumed that a small block of commercial tungsten ore, some 80' x 25' x 24" exists between the 150 foot and 175 foot levels. In addition to this there are undoubtedly limited blocks and pillars of commercial ore above the 150 foot level.

There appears to be further development possibilities both laterally and vertically subject to substantiation of docketed material by thorough examination following rehabilitation.

May 4, 1943

- (D) The cost of rehabilitation may vary widely from the applicant's estimate, as the largest stope has included the pillars usually left for shaft protection for a vertical depth of some 70 feet. It is considered, however, that the objective should be reached under good management.
- (E) Both milling and cleaning facilities for tungsten producers are available at Tucson, Arizona, which is within marketing range of this property. At least a portion of ores exposed by re-entry to the mine should be of sufficient grade to be profitably shipped to the custom mill. The presence of such facilities within marketing range make a small early production appear likely as a result of financing through the medium of this loan. The loan can therefore be recommended.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

✓ E. H. MOLSON

✓ E. J. EWING

✓ I. M. MCKINLEY

✓ H. D. MOLSON

MINE OFFICE
P. O. BOX 100
ORACLE, ARIZONA

✓ **MAUDINA TUNGSTEN MINE**

P . O . B O X 6 0 7
T U C S O N . A R I Z O N A

August 20, 1947

RECEIVED

AUG 25 1947
DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

Mr. C. H. Dunning, Director,
Arizona Department of Mineral Resources,
304 Arizona Title Building,
Phoenix, Arizona

Dear Mr. Dunning:

I would like to sell the Maudina Tungsten Mine near Oracle, Arizona and Mr. Willis suggested that I let you know about it.

As you probably know, I produced 8100 tons of 1.51% scheelite in 1943 and 1944. The reports show that there is a block near the surface of about 3000 tons of about 2.12% WO_3 which is part of a larger block indicated by shallow diamond drilling amounting to 10,000 tons of about 1.33% WO_3 . One of the reporting engineers estimated a possible 100,000 tons in the limestone block to which this particular mineralization seems to be confined.

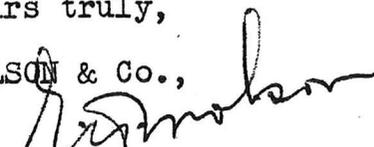
There is approximately 600 acres of land owned in fee and a nice camp equipped with cook-house, cabins, water supply and so forth. There is no mill which is the rub and recoveries depend upon fine grinding and careful flotation technique.

If you hear of anyone who is interested, I would appreciate your letting me know.

Kindest regards and best wishes,

Yours truly,

MOLSON & Co.,


E. H. Molson

EHM/mw

April 3, 1945

Mr. Edward H. Molson
Maudina Tungsten Mine
P. O. Box 607
Tucson, Arizona

Dear Mr. Molson:

We have your inquiry about the extension of copper premium.

The bill to extend the premium price plan (S-502) until June 30, 1946 passed the Senate but ran into difficulties in the House and is still a long way from being a law.

As soon as there is anything definite we will advise you further.

In any event it is necessary to bear in mind that a copper property that was not in operation previous to January 1, 1944 is eligible only for the basic or 5-cent premium. However, if the property you have in mind had applied for an extra premium before that date it would still be eligible.

The consensus of opinion seems to be that there will be some extension beyond July 1, 1945 - possibly 6 or 9 months.

Yours very truly,

Chas. H. Dunning
Director

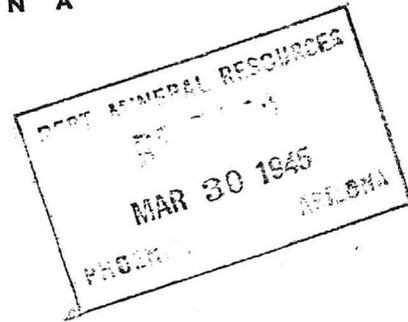
CHD:LP

E. H. MOLSON
E. J. EWING
I. M. MCKINLEY
H. D. MOLSON

MINE OFFICE
P. O. BOX 100
ORACLE, ARIZONA

MAUDINA TUNGSTEN MINE
P . O . B O X 6 0 7
T U C S O N . A R I Z O N A

March 29, 1945



Department of Mineral Resources
304 Home Builders Bldg.
Phoenix, Arizona

Gentlemen:

Re: Copper Premiums

I have been asked to participate in the development of a copper property and would like to know if copper premiums have been extended. If so, if they are now on a non-cancellable basis and for how long.

Any information you can give me will be appreciated.

Very truly yours,

Edward H. Molson

Edward H. Molson

EHM/1

March 7, 1945

Mr. Edward H. Molson
Maudina Tungsten Mine
P. O. Box 607
Tucson, Arizona

Dear Mr. Molson:

We have your inquiry about the continuance of copper premiums.

We are working on this right along and we get reports from Washington almost every day.

There is nothing definite yet but we have great hopes that the premium price plan will be extended for at least nine months ahead of July 1, 1945.

That is about all we can say for sure at the moment.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

E. H. MOLSON

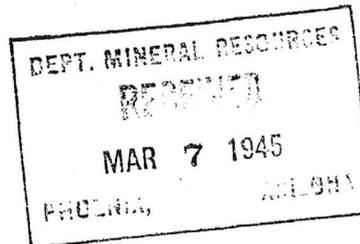
E. J. EWING
I. M. MCKINLEY
H. D. MOLSON

MINE OFFICE
P. O. BOX 100
ORACLE, ARIZONA

MAUDINA TUNGSTEN MINE

P . O . B O X 6 0 7
T U C S O N . A R I Z O N A

March 6, 1945



Department of Mineral Resources
Phoenix, Arizona

Gentlemen:

I have been asked to participate in the operation of The American Mine near Superior, Arizona, and would like to know if a decision has been made about continuing copper premiums after June 30.

Very truly yours,

Edward H. Molson
Edward H. Molson

EHM/1

January 29, 1945

Mr. Edward H. Molson
Maudina Tungsten Mine
P. O. Box 607
Tucson, Arizona

Dear Mr. Molson:

We have your letter in regard to premiums and taxes and you are evidently confused between sales taxes and income taxes.

There is no exemption of that sort that would apply to income taxes.

Some states have decided that premium prices are not subject to State sales taxes. The Arizona Tax Commission decided, some time ago, that premiums were, in most cases, subject to State sales taxes, but this decision may be reversed in the future.

Your tungsten price was not a premium under the premium price plan, and as your product was purchased by the Government, it is not subject to State sales tax.

We presume you did not pay a State sales tax but as far as income tax is concerned you are stuck.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

E. H. MOLSON

E. J. EWING ✓
I. M. MCKINLEY ✓
H. D. MOLSON ✓

MINE OFFICE
P. O. BOX 100
ORACLE, ARIZONA

✓ MAUDINA TUNGSTEN MINE

P . O . B O X 6 0 7
T U C S O N . A R I Z O N A

January 26, 1945



Arizona Department of Mineral Resources
520 Title & Trust Building
Phoenix, Arizona

Attention Mr. C. F. Willis

Dear Mr. Willis:

I have been told that there have been two court decisions holding that metal premiums, paid by Metals Reserve Company, are exempt from income tax, and that you may be able to advise me regarding this point.

I received the \$30 per unit price for tungsten, and then the \$24 price, and the \$3 contract termination settlement. Are any parts of any of these prices considered premium?

Any information you can give me will be appreciated.

Very truly yours,

Edward H. Molson
✓ Edward H. Molson

EHM/1

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date..... Dec 30 1964

Name of Mine..... Maudine + Williams Tungsten

Owner or Operator..... Edward H. Mahon

Address..... PO Box 607, Tucson

Mine Location..... Near Oracle and Kingman, Arizona

Filing Information

File System.....

File No.....

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ; Financing.....; Sale of mine.....;

Experimental (sampling).....; Owner's occasional trip.....;

Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

Approx. present rate per 3 months

Anticipated rate next 3 months

If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>1960 Plymouth</u>	<u>1500</u>	<u>100</u>
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Tungsten

REMARKS:

Mr Mahon operating the Maudine Tungsten at Oracle has recently taken over the Williams Tungsten in Mohave Co

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By.....

Joseph Ballam

EDWARD HOBART MOLSON

2020 EAST SEVENTH STREET
TUCSON, ARIZONA

October 15th, 1942.

Mr. J. S. Coupal, Director
Mineral Resources Dept.,
c/o Santa Rita Hotel,
Tucson, Arizona.

Dear Mr. Coupal,

I wrote you at Phoenix to enquire if a Class B RFC loan can be obtained on a property on which there are payments to be made to the owner and, if not, if a guarantee of the payments would help.

Your office writes me that you will be at the hotel tomorrow and to get in touch with you there. I am in bed and unable to go down but would appreciate it if you could give me a ring on thr phone at 5635 on this point.

The property in question is a tungsten mine with a mill and partially developed but no blocked out ore. It produced 100 tons of scheelite concentrates in 1916, and the prospects for more are very encouraging.

Sincerely yours

E. H. Molson



25-10 -
Emmy 3 Nov

C
O
P
Y

October 14, 1942

Mr. E. H. Molson
Molson & Company
P. O. Box 607
Tucson, Arizona

Dear Mr. Molson:

This will acknowledge receipt of your letter of October 13.

The amount of capital you require is greater than the RFC will allow on a Development Loan. Mr. Coupal will be at the Santa Rita Hotel Friday the 16th. I suggest you get in touch with him outlining in further detail your problem so that he may advise you relative to the loan.

Very truly yours

Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA
cc: J.S.Coupal

October 14, 1942

MEMORANDUM

TO: J. S. Coupal

FROM: Earl F. Hastings

Molson and Company has written for information on a \$50,000 loan on a partially developed tungsten property. There is insufficient information contained in their inquiry on which to base an intelligent reply.

I have told Mr. Molson that you would be at the Santa Rita Friday the 16th and suggested that he get in touch with you there.

*Everything else O.K.
Earl*

October 14, 1942

MEMORANDUM

TO: J. S. Coupal

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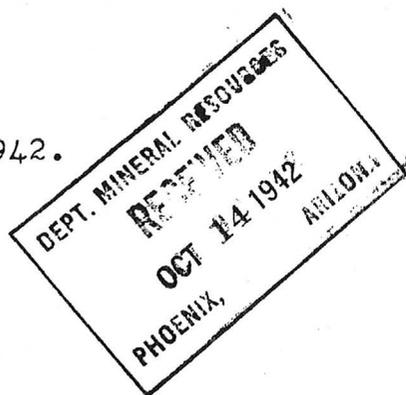
Very truly yours

Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA
cc: J.S.Coupal

MOLSON & CO.
P. O. BOX 607
TUCSON, ARIZONA

October 13th, 1942.



State of Arizona,
Department of Mineral Resources,
Phoenix, Arizona.

Gentlemen, Attention of Mr. J. S. Coupal.

I have an option to purchase and a lease requiring payments of \$2500. every three months on a partially developed tungsten property and mill in this state and I want \$50,000. additional capital to put it into production.

Can I get a Development Loan from the RFC under these circumstances? If the payments to the owner are a barrier would consideration be given if I or some other responsible party were to guarantee the property payments?

Thanking you for your help, I am

Yours truly,

MOLSON & CO.


E. H. Molson

August 14, 1942

Mr. E. H. Molson
Molson & Co.
P. O. Box 607
Tucson, Arizona

Dear Mr. Molson:

Subject: Molson & Company
Docket: R.F.C. - C-ND-7581 (16)

In reply to your letter of August 12 your application for a "B" loan should be forwarded to the R.F.C. office, Mine Loan Division, Washington, D. C.

I suggest that you fill out a new application in triplicate and do not refer to your application for a "C" loan. These two loans go to different departments and I would just disregard the "C" application and complete a new set of exhibits for the "B" loan.

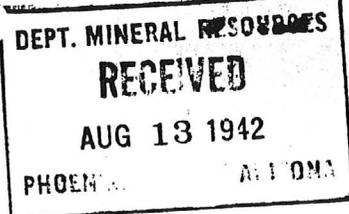
With best wishes, I am

Yours very truly,

J. S. Coupal, Director

JSC:LP

MOLSON & CO.
P. O. BOX 607
TUCSON, ARIZONA



August 12th, 1942.

Department of Mineral Resources,
413 Home Builders Building,
Phoenix, Arizona.

Gentlemen, Attention of Mr. Earl F. Hastings, Asst Dir.

Subject: Molson & Co.,
Docket: R.F.C. - C-ND-7581 (16).

We have your letter of the 11th inst., advising us that, in your opinion, our application should have been made for a Class "B" loan on RFC Form L-254.

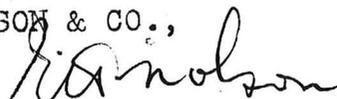
We were advised, because our property did not represent an ore body that could be closely sampled, we should use Class "C" but we are glad to have your opinion and will fill out an application for a Class "B" loan to include with our docket.

1. Should this application be forwarded to you or to the RFC in Washington.
2. Do we have to fill it out completely or can we refer to data contained in the Class "C" application?
3. Will we have to furnish another set of exhibits?

Thanking you for your cooperation we are

Yours truly,

MOLSON & CO.,


E. H. Molson

August 11, 1942

Mr. E. J. Ewing
P. O. Box 607
Tucson, Arizona

Dear Mr. Ewing:

Subject: Molson and Company
Docket: R.F.C. - C-ND-7581 (16)

Your application for a class "C" loan has been forwarded to this office for review.

It is noted that you expect to expend the money on development, and clearly outline the exact nature of that work. The application and exhibits are complete and precise; however, our interpretation of the purposes of the various types of loans eliminates your application from the "C" class. The "C" loan is primarily to make accessible, or to reveal, ores in manners such as unwatering or repairing caved workings. Your property does not fall into this category but you are eligible to apply for a "B" loan, which is strictly a development loan in amounts up to \$20,000.00.

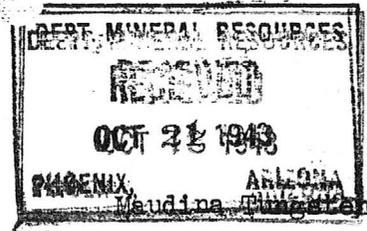
In order to avoid delay in the consideration of your application it is our suggestion that you get application blanks on the "B", or mining development loans (R.F.C. Form L-254), and include them with your docket. In this manner you will insure yourself against any delay arising from possible technicalities in classifying your property.

Yours very truly,

Earl F. Hastings, Assistant Director
and Projects Engineer

EFH:LP

October 20, 1943



MEMORANDUM

To: Director, Dept. Mineral Resources
From: George A. Ballam

Before going out to the St. Louis yesterday I met Ira Joralemon by appointment and went into the possibilities of expansion of Jacobs mill to handle this ore.

J. had been out to the Maudina and was impressed with the showing. (That is the big quartzite with 1% WO_3 and better) He thought that it might be a ticklish ore to treat on account of extreme fineness and necessity of some real experimental work to establish flotation requirements. He thought Jacobs should go ahead and expand to take a substantial daily tonnage of this ore. It so happened that he had been out to the mill but Jacobs was sick and he has a later appointment with him.

No doubt the Jacobs application is now in the hands of SWPC. I told Bouse to expect it and he will no doubt confer with you.

GAB

1
DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Morning Star & ^dMaufina group
Pinal (Campa Bonita)
District ~~Yavapai~~ County

Date October 12, 1973

Engineer Glen Walker

Subject:

Recent owner not mentioned in file. RI 5516 gives good description. The contact metamorphic scheelite ore is 50' wide by at least 200' long. Granite is on FW and siliceous limestone on HW. Some highgrade streaks up to 2-3' wide have produced some tonnage of 1.75% WO_3 ; most ore has assayed 0.7% WO_3 .

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

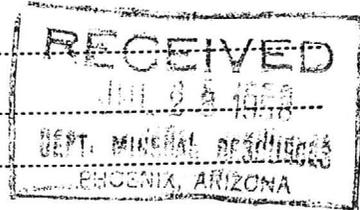
MINE OWNER'S REPORT

Date July 25, 1958

- 1. Mine: Maudina Tungsten Mine, Campo Bonito
- 2. Location: Sec. 17, 18, 20, 21 Twp. 10S Range 16E Nearest Town Oracle Distance 5 mi.
Direction SE Nearest R.R. San Manuel Distance 10 mi.
Road Conditions Good
- 3. Mining District and County: Old Hat, Pinal
- 4. Former Name of Mine: Same
- 5. Owner: Molson & Co.
Address: 3135 Quimby St., San Diego 6, California
- 6. Operator: above
Address: same
- 7. Principal Minerals: scheelite, some gold, some lead
- 8. Number of Claims: Lode 29 Patented 28 Unpatented 1
Placer Patented Unpatented
- 9. Type of Surrounding Terrain: Rolling hills
- 10. Geology and Mineralization: The Mogul Fault crosses the property from east to west. Limestone sedimentaries rest on the granite. The scheelite occurs as replacement in the limestone at a number of points along the fault. Diorite dikes cross the property from north to south and gold bearing quartz veins are associated with the dikes.
- 11. Dimension and Value of Ore Body: A number of exposures, but no blocked out ore.

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

12. Ore "Blocked Out" or "In Sight":..... None



Ore Probable:..... Maybe 1000 tons of .7% WO₃

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts.....	150	Poor.....
Raises.....		
Tunnels.....	1000	Fair.....
Crosscuts.....	100	Fair.....
Stopes.....	several	

14. Water Supply:..... Shallow wells in two canyons for domestic use. There was sufficient water in former years for the 25-ton mill.

15. Brief History:..... The old Maudina mine produced about 50 tons of 70% WO₃ concentrates in 1916. The new Maudina mine produced 8100 tons of 1.51% WO₃ in 1944. Some gold was produced in earlier years.

16. Remarks:..... There is considerable geological opinion, including USBM, Tucson, that the property should be drilled in the sedimentaries along the Mogul Fault.

The property has some value for grazing, water rights, and sub-division.

17. If Property for Sale, List Approximate Price and Terms:..... \$200,000.- \$10,000 Cash with a proper contract from responsible operators.

18. Signature:..... (E.H. Molson)

MOLSON & CO.
3135 QUIMSY STREET
SAN DIEGO 6, CALIFORNIA
TEL 554 9668

Mr Meyer Schamberg
Philadelphia. Pa.

*Camp Bonita and
adjoining property*

Dear Sir,

Your letter of the 22nd reached me this morning. Respecting the gold mine about which I wrote you :- I am not deceived about this: it is an exceptional property. While valuable however, you will understand that the cursory examination so far given it by me, and the ~~xxxxx~~ comparatively small amount of information obtained, is not sufficient to form a basis of judgment as to what that value really is.

I do say however, that this is the best and most promising property I have seen in many moons, and I have looked at several hundreds.

I returned last night from a trip to Tombstone and Bisbee, where I went to obtain an option on a Silver mine in the Dragoon mountains. Have got this option all right, and made very favorable terms; much better than anything hitherto done. Have a year to make a payment. This is just one claim, -patented-. A number of carloads have been shipped and there is ore running up to 200 Ozs in sight; but in the main it is a cyaniding proposition, and there is about 2000 tons on the dump averaging about 8 ozs silver and \$1 in gold.

While at Bisbee last Wednesday on the above business, I accidentally met one of the Bond holders of the gold mine in the Catalinas; and took the opportunity to sound him out a little; although from not hearing from you I had concluded that you yourself were not interested.

He talked frankly about the property, and what he said indicated that my first surmise was the correct one. They are developing the mine with a view to a sale, and are open to treat about the matter.

This man and his partner in the Bond, were previously associated in a lease on a large dump on one of the Tombstone mines, where they erected a Cyanide mill and worked for two years with good success.

They both made some money, but they do not feel that they are financially able to meet the expense necessary to put this gold property on a good paying basis; so they are confining their efforts to developing the property, showing up more ore, in the expectation that they will be able to transfer their holdings at a figure profitable to themselves.

The mine is 46 miles from Tucson, and while ore exists that would stand the expense of shipping, it would be foolish to incur this expense when the rock is perfectly free-milling. The expense of furnishing the mill, the water supply, and all necessary equipment for successful working, is of course going to be considerable. The man I met in Bisbee, Mr Hammond, told me, that since I was at the property they had made still another discovery, in one of the veins that was being worked, but around on the other side of the mountain where it outcropped, they had broken into the vein and found jewelry rock: quartz bound together with wire gold; but of course we understand that such occurrences are sporadic.

In obedience to the request conveyed in your letter, I purpose

M S . No 2.

now re-visiting the camp to-morrow, where I hope to find the two partners together, and will thresh out the matter with them thoroughly, and find out just what can be done.

As stated, I have no idea what the price demanded will be, but I should judge it will be a considerable sum, and moreover, I deem it highly probable they will expect a cash payment, as it seems improbable that they will be willing to turn over the holdings they have without some immediate consideration. However, I will get all this information definitely at first hand, and you can rely on me to handle the matter diplomatically, and secure the proffer of as favorable terms as are to be obtained.

If after talking with them it seems advisable to do so, I may try to secure a 30 day examination option; and if successful in this I would suggest that you arrange matters so as to be able to take immediate advantage of this.

I think very favorably of this property, and while an intensive examination might serve to modify my views somewhat, I have seen enough to know that my opinion would still be favorable. I would not however wish you to embark very heavily on my sole judgment.

If this 30 day option is secured, it will be for the purpose of giving you an opportunity to fully satisfy yourself about the property, and to make the arrangements necessary for a continuance of the option.

For this reason I am writing you fully beforehand.

Immediately on my return here I will notify you fully by wire on all essential points. In this telegram I purpose sending, please understand now that " Bond ", refers to the Bond and Option held by the present Lessee's granted to them by the owner or owners of the claims, and " Option " refers to a contract or agreement made by the present Lessee's or Bondholders, with me.

If, on receipt of my telegram the matter looks favorable to you, and you can possibly get away for a couple of weeks; I would suggest that you take a vacation by coming down here and investigate this yourself.

The property is in the higher mountains, about 8000 feet altitude, a nice place, and you will not suffer from the heat while there.

While the distance is considerable, still the place is accessible. The road is strictly first class for 38 miles of the way, and I drove to the place in two hours from Tucson.

I am not posted as to just how far you are prepared to go in this matter, but if the situation is as I sometimes think it might be, I can see where it might be of the greatest benefit for you to come down here and size up the situation in person. You will I am sure free me from any imputation of a desire to pry into your business. In what I am about to say, I am actuated simply by a desire of knocking down certain obstacles, which seem to be obscuring our view of each other, and would be better out of the way. Comprised in the property under discussion there are I think 19 claims. Near by and adjoining is another large property at present lying idle, but well fitted up with a mill, camp buildings, developed water, &c.

This is the Campo Bonito property, first brought into prominence by the late Cap't Burgess, and made still more notable by the later association with him of the late Col William Cody.

While gold exists on this property it does not appear that any large amounts have been discovered; though owing to the men in charge and the manner of working, this is not to be taken as a criterion either of its presence or absence.

M S . No 3.

Col Cody embarked on this venture with his friend Cap't Burgess; and for a time it looked like a losing venture, as not much gold was extracted.

Tungsten ore however was uncovered on the property, a mill was put in to treat this, and during war time they just coined money.

The death of Colonel Cody, and a little later, his associate, put a stop to operations. I am given to understand that, while payments had been made on the property, the purchase was never consummated, and the ~~property~~ property reverted to the owners and nothing has been done since.

Now about the gold on the ~~Sump~~ Campo Bonito ground I cannot say. It was heralded for a gold mine, although in my judgment it cannot be compared with the group adjoining to which I have drawn your attention.

The tungsten deposits on it however are really good, and I believe would pay for working on a legitimate basis, even at the present low price of the metal.

The main reason why I am mentioning this is, that, on account of the association of Colonel Cody, the property has a kind of romantic prestige, which might be an asset of distinct tangible value under certain conditions.

Apart from the tungsten, the property may be good in gold. At the present time I simply do not know. Just to size up the cold facts:-

Here is the Campo Bonito property, probably twenty claims, fully fitted with a good mill, camp buildings, water &c, containing some gold veins and a large deposit of tungsten ore which can be milled probably at a profit;* and adjoining is another group of nineteen claims containing a number of gold veins, with pay ore developed in seven or eight different places somewhat widely removed, and occasional finds of pockets of ore of extreme richness. It would seem to me that the amalgamation of these two properties would be the cause of considerable noise in the mining world, with the additional fact, not always present in mining properties, that they actually possess great intrinsic merit; and that a comparatively small sum spent in further development might easily put the value up into the seven figures.

- I hold no brief for the Campo Bonito people, and have no hold on the property. I am simply outlining the possibilities on the chance that this might be just the proposition that you could handle successfully. If this is so, and it accords with your ideas, then I would suggest that you strain a point if necessary to come down here and size up the situation personally. For one thing, while I have hitherto ~~never~~ not heard of any other enquirers in the field, it is quite sure that the mine first drawn to your attention will not stay open very long.

The first party wandering in there seeking a gold mine, will take it, provided the terms are anything within reason.

- - As stated, I will see the men at once, and use every effort to obtain the best terms possible.

Yours Very Truly

Frank X Higgins

P S . There is excellent placer ground below this property, but no permanent water. Water for the mine would have to be brought from another canyon about a mile away, where there is a constant flow, or a well sunk. These claims are in a different canyon to the Campo Bonito. At the latter place a good well has been developed, furnishing water for milling purposes.

R E P O R T
on the
✓ CAMPO BONITO TUNGSTEN PROPERTY
PINAL COUNTY, ARIZONA
BY
Stuart Croasdale

METAL & ORE CORPORATION
WOOLWORTH BUILDING
NEW YORK, N. Y.

✓
CAMPO BONITO TUNGSTEN PROPERTY

PINAL COUNTY, ARIZONA

Location

The property is located in the Old Hat Mining District, T. 10 S., R. 16 E., Pinal County, Arizona. It is seven miles southeast of Oracle and forty-five miles northeast of Tucson, via the Borderland and MtLemon highways. A good road leads to the property from the main highway.

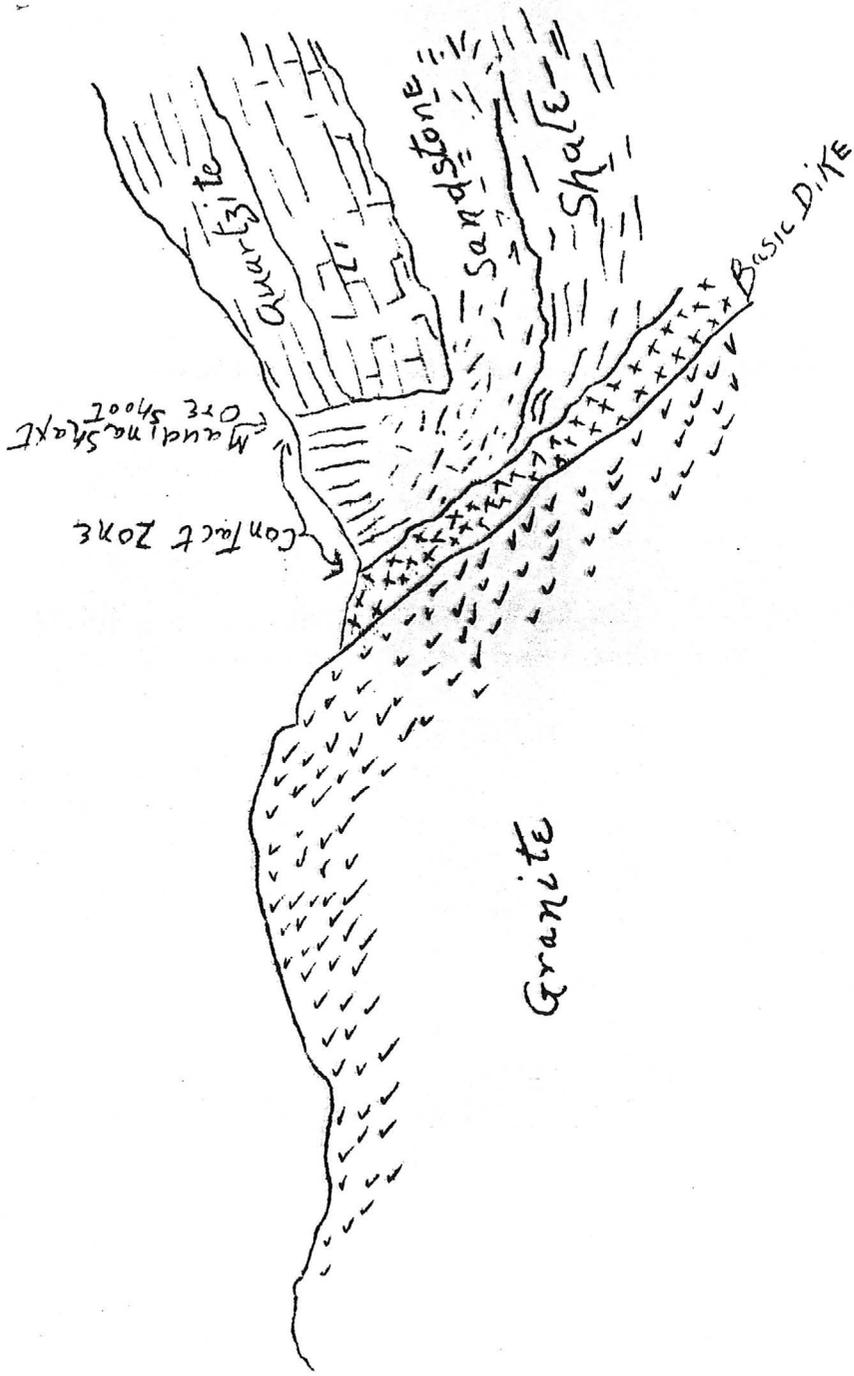
Area

The property consists of 29 mining claims and fractions, all of which are unpatented. The total area is approximately 560 acres. Much of the land is held to protect water rights, mill site, camp site and other surface advantages.

Geology

The geology is typical of scheelite deposits. Sedimentary rocks of quartzite, limestone, sandstone and shale rest on granite and other igneous rocks. The tungsten ore, known as scheelite, is found on or near the "contact" zone between the granite and the sedimentary rocks and sometimes in small veins in the granite near this contact. The approximate line of this contact is shown on the claim map attached at the end of this report. On this property, there has been intruded between the granite and the sedimentary rocks a dike of basic igneous rock which outcrops almost the entire length of the property. The uplift of the granite and this intrusive rock has broken and faulted the more brittle limestone and quartzite along the contact zone and produced porous areas, which evidently have been favorable for the later deposition of the tungsten mineral, as indicated by the ore body at the Maudina Shaft. An ideal cross section of the formation at this point is shown on the next page.

METAL & ORE CORPORATION
WOOLWORTH BUILDING
NEW YORK, N. Y.



North ~ Geological section at Maudina shaft ~ South

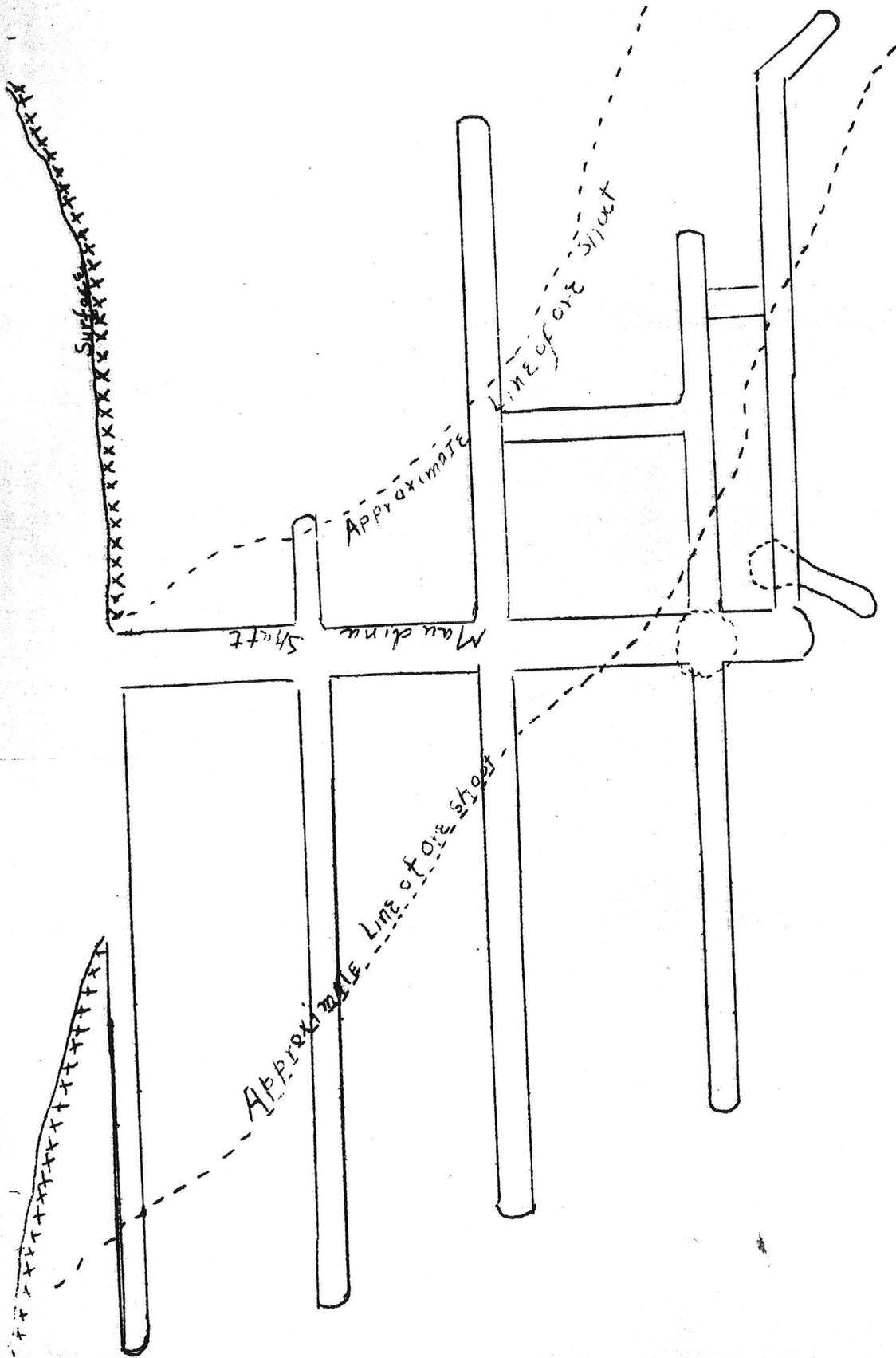
Development

The principal development of tungsten ore on the property is on the Maudina Claim. Here an ore shoot has been explored by a shaft 175 feet in depth and by drifts and stopes from this shaft. Some of these drifts have been filled with waste and could not be examined thoroughly. Most of the work was done previous to and during the World War and was restricted almost exclusively to the extraction of ore without thought of further exploration of the property or of blocking out ore reserves; consequently, aside from a few pillars, there is no commercial ore left in these workings that is ready for production. To the east of the shaft, the lowest level shows evidence of the ore shoot extending to greater depth along the general line of fracture; also a crosscut to the north from the bottom of the shaft has exposed a small body of ore, which indicates that any intensely fractured zone along the contact may be productive of commercial ore bodies and should be explored.

Vertical sections of the workings at the Maudina shaft are shown by the sketches on the following pages.

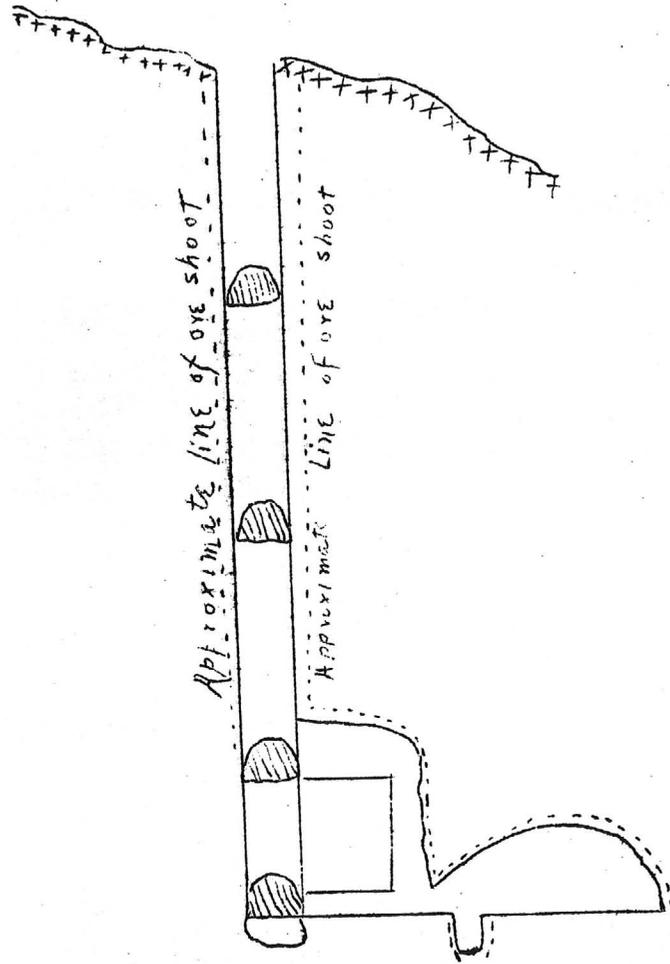
The next extensive development on the property is a crosscut tunnel on the Summit and Mogul No. 1 Claims as shown on the Claim Map. This tunnel has been driven through the granite, a distance of 544 feet, for the purpose of exploring the contact zone at that point and also to develop a quartz vein in the granite. The quartz vein was found approximately 300 feet below the surface, but it carries no tungsten mineral and is below commercial value in gold, silver, lead and copper. The basic dike, lying between the granite and the sedimentary rocks, was encountered at the end of the tunnel, but the tunnel was never completed to the sedimentary rocks lying beyond. Geologically, the most promising source of mineralization should be next to the sedimentary rocks. The tunnel should be extended to that point and some development work should be done along the contact, or, if this contact is not found within a reasonable distance by extending the tunnel, it can probably be reached by a short raise from the tunnel. Assessment work for the entire property, or for a large part of it, can be done advantageously from this point and is recommended.

In addition to the development work above named, there are numerous pits, trenches, shafts, and short tunnels on the individual claims that have exposed more or less tungsten mineral in the form of scheelite, but the work has not been extensive enough in any one place to develop ore of commercial importance; it has been purely prospective.



West ~ Vertical section at Maudina Shaft ~ East

Scale ~ 1 in = 40 ft



South ~ Vertical section at Maudina shaft ~ North
 Scale ~ 1 in 40 ft.

Past Production

Scheelite was discovered on the property in 1900, but up to 1911 the principal operations were conducted for the recovering of a small amount of gold that occurs with the scheelite, and a stamp mill was erected for this purpose.

Intermittently during 1911 and during a part of 1912, the property was worked for its scheelite ore, and again for a short time in 1914. During the period of high tungsten prices in the spring of 1915, it was operated for a short time under lease. Since that time it has been standing idle.

There are no records showing the actual production of the property to date. By estimating the material removed from the ore shoot at the Maudina shaft and checking this with the alleged production of concentrates, the property has produced approximately 6000 tons of milling ore, which yielded between 100 and 120 tons of concentrates of the standard grade of 60% tungstic oxide. The ratio of concentration was 50 to 60 tons of crude ore into one ton of concentrates.

Grade of Ore

It would be impossible to sample the mine workings in any manner that would indicate the average grade of the ore milled or produced from the property.

I have, therefore, estimated this from the past production just stated and checked this estimate from the few available assay records of the milling operations during October and November in 1911 and February 1912.

It seems reasonably certain that the average grade of the ore milled contained between 1.25% and 1.50% tungstic oxide and was surely under 2.00%, which is a good grade of ore for this type of deposit.

Ore Reserves

As explained under "Development", the ore from the only known ore shoot on the property was extracted as rapidly as it was developed and this was done under the stimulus of war-time prices.

The property, therefore, has a potential value rather than a real value as a mine, and any production must come from ore bodies yet to be developed from the exposures now known or yet to be found.

Future Development

The ore shoot at the Maudina shaft is still exposed on the lowest workings, extending eastward. It is logical to expect that this will continue through the brittle and broken formation where it now is, and probably to the contact itself, a distance of several hundred feet in depth.

Further exploration through the broken zone to the north of the shaft is also promising. Development at this point will mean sinking the shaft to a greater depth, which will require new mining equipment and considerable repair work on the present shaft. A survey might show that this development can be done better from a new shaft.

Development of the contact on the west end of the property by the extension of the tunnel on the Mogul No. 1 Claim is most promising and it can be done cheaply.

Several prospects on the western end of the property are also worthy of further exploration. Assessment work in the future should be concentrated on a few promising locations where ore has been exposed, instead of expending it on the individual claims. The small but higher-grade veins in the granite should be developed by lessees after the property is in production; it is improbable that they can be worked profitably on company account.

Sufficient work has been done on the property to secure a permanent title in the form of a United States patent. The surface value of the property fully justifies this expenditure and if the option now under consideration is not exercised, I recommend that immediate application be made for such a title.

Surface Improvements

These consist of several good houses and camp buildings, a concentrating mill of about 25 tons daily capacity, 6000 feet of surface tramway from the shaft on the Maudina Claim to the Mill, several mine cars, a small inadequate boiler, hoist, cable and bucket at the Maudina shaft, and sundry other articles of mining equipment. The concentrating mill is almost too small for profitable operations and is more or less out of repair from the long period of disuse. It should be modernized and brought up to at least 50 tons daily capacity. It is questionable whether a water supply can be developed to exceed this capacity. The surface tramway will have to be repaired over its entire length before it can be used for transportation. If the Maudina shaft is sunk to greater depth,

the shaft itself will have to be repaired and a new hoisting equipment supplied.

The Tungsten Market

The principal use of tungsten is in the manufacture of tool steel; for this purpose no other metal seems to serve as well. Other uses are for lamp filaments, small parts in electrical equipment, and in the chemical trade. While these last industries are large, the consumption of tungsten is small.

For a basis of comparison, all tungsten ore produced is calculated to a uniform grade of 60% tungstic oxide. On this basis, the average annual production of the world for the twenty years preceding the World War was a little more than 4000 tons. For the fifteen years preceding the War, the production of tungsten ore in the United States was approximately 1000 tons annually. After the War, the production of tungsten ore in the United States became stagnant, due to the surplus on hand from the stimulated war production and due to the imports of ore (principally from China) at less cost than it could be produced in this country. In 1924 the production in the United States was only 374 tons; in 1925 it increased to 1192 tons, and in 1926 it was 1225 tons. This is about the same as the ten-year pre-war period; the fifteen-year pre-war period is a little lower because the production started at nothing in 1900 and rose to less than 1000 tons annually in 1905.

It will be seen from these records, covering a period of twenty-five normal business years, that the market is restricted to a comparatively small tonnage of standard 60% concentrates. No new use for tungsten is likely to be found that will expand the market in any direction except a war-time demand for tool steel which can be readily met by opening new properties.

Tungsten Prices

The average world price for tungsten concentrates during the twenty-year pre-war period was \$11.07 per unit. The average price in the United States during the fifteen-year pre-war period was somewhere between \$5 and \$10 per unit - nearer \$5 than \$10. After the War, the price dropped to less than \$3 per unit in the United States and no country except China could produce at this price. A tariff of \$7.14 was then established in the United States and since 1924 the prices, including the tariff, have ranged from \$9 to \$12 per unit, making the real price less than \$5 per unit at any time since the War. During the last few years the real price has ranged between \$3.50 and \$4.00 per unit, at which no mine in the United States could operate without the help of tariff protection. The real price since the War has averaged less than this. Any increase in the real price of tungsten con-

concentrates will bring new properties into production in this and other countries and thereby stabilize the price by oversupplying the demand for ore.

Cost of Production

The average cost of producing a 60% grade of tungsten concentrate in the United States is estimated at about \$7 per unit of tungstic oxide. This figure will remain quite uniform at different properties because the grade of the crude ore is quite constant in all tungsten deposits.

Conclusions

Taking all the foregoing factors into consideration, and having been offered at this time tungsten properties at much lower prices which considerable ore in sight, I feel that \$35,000 is a very good price for this property; also, in view of the fact that approximately an amount equal to the purchase price of the property will have to be spent on development and equipment before it can yield any return from production, the terms of the option are those usually given under such circumstances and I consider them fair to both parties concerned and the best that can be obtained.

I recommend the immediate acceptance of the option as it is written.

Respectfully submitted,

Stuart Crossdale

Consulting Engineer.

Denver, Colorado
October 1, 1927