DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2786

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Exploration Assistance

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Routing Slip

Copies to USGS, USBM. One copy retained in/ Reg. II

To:	Code 700 Rm. 4640	Date	11-25/52
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CONTROLLED DOCUMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
~~XXXXXXXXXXXXXXXXXX~~
So. 157 Howard Street
Spokane 4, Washington

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 1 5 1954

February 25, 1954

Registered /RRR

Mr. Raleigh Chadwell, President
East Eagle Mining Company
Baker, Oregon

Re: Docket No. DMEA-2786
East Eagle Mining Company
Baker County, Oregon

Dear Mr. Chadwell:

Reference is made to your letter dated February 5, 1954, which was received at this office yesterday.

In accordance with your request, enclosed are all original maps which you filed with this office in connection with your application for a DMEA loan. Copies of these maps have been retained for our files.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: DMEA w/cys incoming ltr.
USBM " " "

Baker, Oregon
February 5, 1954

Mr. A. E. Weissenborn, Executive Officer
Field Team, Region II
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 1, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 1 - 1954

Dear Mr. Weissenborn:

Re: Docket No. DMEA 2786
East Eagle Mining Company
Baker County, Oregon

I have before me a copy of your letter of February 1, 1954 addressed to Mr. E. A. Buckhorn, Secretary, Board of Engineering Examiners, Portland, Oregon.

It is requested that you return to me the original maps which we filed with your office in connection with our application for a DMA loan and that you retain copies thereof for your files. It is requested that you mail these maps to me at the address given below.

Very truly yours,

Raleigh Chadwell, President
East Eagle Mining Company
Baker, Oregon

Baker, Oregon
February 5, 1954

Mr. A. E. Weissenborn, Executive Officer
Field Team, Region II
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn:

Re: Docket No. DMEA 2786
East Eagle Mining Company
Baker County, Oregon

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Very truly yours,

Raleigh Chadwell, President
East Eagle Mining Company
Baker, Oregon

2/10/54 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

No. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 8 1954

February 1, 1954

Mr. [illegible] Buckhorn, Secretary
Board of Engineering Examiners
State of Oregon
417 Board of Trade Building
Portland 4, Oregon

Re: Docket No. DMEA 2780
East Eagle Mining Company
Baker County, Oregon

Dear Mr. Buckhorn:

Referring to your letter of January 22, 1954, I have to inform you that it is a general policy of the Defense Minerals Exploration Administration to regard all documents submitted to it in connection with applications for DMEA exploration contracts as confidential between the DMEA and the applicant, and not release them to an outside party. However, if Mr. Chadwell, as president of the East Eagle Mining Company, Baker, Oregon, should request us to return the original maps to him, we would be very glad to do so, retaining only copies for our files. You then could obtain these maps from Mr. Chadwell if this was agreeable to him.

We trust this will solve your problem.

Sincerely yours,

A. [illegible] Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2) w/cy incoming ltr
USBM (2) " " "

MEMBERS OF BOARD
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SECRETARY

STATE OF OREGON
BOARD OF ENGINEERING EXAMINERS
717 BOARD OF TRADE BUILDING
PORTLAND 4

January 22, 1954

Mr. A. E. Weissenborn, Executive Officer, DMEA
Field Team, Region II
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn:

Thank you, very much, for your letter of January 20, 1954.

We are very much interested in the fact that you have three mine maps which were submitted to your office with the application of the East Eagle Mining Company. Even though Mr. Marshall's name might not appear on these maps, we would have little difficulty in establishing the fact that he prepared these maps and, accordingly, we are very much interested in obtaining these maps, or copies thereof, for use in the contemplated prosecution against Mr. Marshall.

Actually, we would prefer to have the original maps which were forwarded to you, for the reason that they constitute the "best evidence". If these files are now closed in your office, you probably have no further need therefor and would probably be willing to send these maps to us. In order that your files would be complete, however, you might wish to have prints or copies made thereof for your own records and which would probably suffice for your purposes.

If, however, you feel that you cannot part with the original maps in conformance with departmental policy, perhaps arrangements can be made for having photostatic copies made thereof and then have these certified by a Notary Public as true copies of the originals in your files. We have some doubts as to whether such certified copies would be acceptable in our courts but if such would be the best that we could obtain we would have to proceed in such manner.

Your cooperation in this matter will be greatly appreciated by this office.

Very truly yours,

E. A. Buckhorn, Secretary

EAB:M

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

xxxxxxxxxxxxxxxxxx

No. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 8 1954

DOCKET COPY

February 1, 1954

Mr. E. F. Buckhorn, Secretary
Board of Engineering Examiners
State of Oregon
717 Board of Trade Building
Portland 4, Oregon

Re: Docket No. DMEA 2786
East Eagle Mining Company
Baker County, Oregon

Dear Mr. Buckhorn:

Referring to your letter of January 22, 1954, I have to inform you that it is a general policy of the Defense Minerals Exploration Administration to regard all documents submitted to it in connection with applications for DMEA exploration contracts as confidential between the DMEA and the applicant, and not release them to an outside party. However, if Mr. Chadwell, as president of the East Eagle Mining Company, Baker, Oregon, should request us to return the original maps to him, we would be very glad to do so, retaining only copies for our files. You then could obtain these maps from Mr. Chadwell if this was agreeable to him.

We trust this will solve your problem.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2) w/cy incoming ltr
USBM (2) " " "

MEMBERS OF BOARD
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SECRETARY

STATE OF OREGON
BOARD OF ENGINEERING EXAMINERS
717 BOARD OF TRADE BUILDING
PORTLAND 4

January 22, 1954

Mr. A. E. Weissenborn, Executive Officer, DMEA
Field Team, Region II
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn:

Thank you, very much, for your letter of January 20, 1954.

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Your cooperation in this matter will be greatly appreciated by this office.

Very truly yours,

E. A. Buckhorn, Secretary

EAB:M

FILE COPY
SURNAME:

Schmidt
Ellis
Kinkel
Hedges
Bethridge

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

JAN 28 1953

Mr. Raleigh E. Chadwell
East Eagle Mining Company
Box 699
Baker, Oregon

Re: Docket No. DMA-2786 (Cooper)
Baker County, Oregon

Dear Mr. Chadwell:

Reference is made to your application for Government aid on the captioned project dated November 6, 1952.

Projects approved by the Defense Minerals Exploration Administration must in its judgment show definite promise of yielding material of acceptable grade, and in quantities that will significantly improve the mineral supply position for the National Defense Program.

A careful study of your application and data available to this Agency, and an examination of the property concerned, reveal that the probability of disclosing mineable reserves by the program proposed in the application is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing this property to our attention. If future work at the property reveals evidence which could materially alter our present opinion, please be assured we will be glad to consider a new application.

Sincerely yours,

C. O. Mitchell (for) F.H. 1-28-53

Administrator

FSchmidt/jem 1/26/53
cc to: Adm. Reading File
Docket Messrs. CHJohnson-3621
ARKinkel-4234 GSA Ellis
Schmidt Opr. Com.
Field Team, Reg. II (2)

Raleigh E. Chadwell
DMEA-2786 (Copper)
East Eagle Mine
Baker County, Oregon

January 22, 1953

Notes by Schmidt

This project is declined by the Field Team, Fuller and Puffet also by the Regional Office and by Newcomb Geological Survey, and Chas. Johnson of the Bureau.

The application itself is a poor one, does not explain the advisability of doing the proposed work, which consists of a 330 ft. crosscut from present southwest face of main tunnel through a diorite dike, and then drifting 200 foot on the other side of the dike which strikes NW and SE, dips 85 degrees to 90 degrees NE, and shows on the map as 40' thick. It is presumed that this cross-cutting and drifting of 330 ft. plus 200 ft. will encounter a certain vein. All that is known about this objective or target vein is that it is disclosed in an open pit which is 1549' higher in elevation and 2350 feet horizonally to the Northwest with an inclined distance between the pit exposure and the proposed intersection, of 2700 feet. The vein in the open pit which is sought, strikes about N 10 degrees East dips 21 degrees southeast. It cannot be expected that this figure of 21 degree dip given on map should check with the location point of intersection as the data is too inaccurate at this stage. The vein where exposed on the surface, is 8 inches thick and it is proposed to intersect it 1549 feet lower without any other information between the surface pit and this depth. One cannot help but agree with the Field Team that this is too far fetched, nor can disagree with them in their suggestion that this 8 inch vein which has some bornite and chalcopyrite, and gave a sample

of high grade of 15.46% and sample of stockpiled ore of 5.42% might justify some tunnel work, somewhat lower down, but not biting off too big a piece. This suggestion is sound. Another sound suggestion would be to sink on this vein for a short distance, since it is explosed only in an open cut. Both of these suggestions by the Field Team were turned down by the applicant, who is bent on finding this ore where he wants it, namely on the main tunnel level where it can be extracted thru the tunnel to the 50 ton concentrating mill.

Since the two obvious suggestions have been made by the Field Team and they have been refused consideration as per the Field Team report, it is not for us to write the Field Team and ask them to again see if the operator will not meet us half way. I agree with the Field Team in their conclusion that if the operator does not wish to cooperate with us that he be left to his own devices.

The fact is that if the operator thought very favorably of this 8 inch vein he should have done more work on it. Under no consideration should we try for this vein at 1500 feet depth until a 'Stage one' involving the prospecting of this vein on the surface gave indication, that this mineral showing, at this only place on the vein was not a "flash in the pan" or due to some intersection at that particular point. An 8 inch vein is nothing to get excited about. The distance from 8 inches to zero is too small, with an erratic vein.

The mine is mainly a gold and silver mine in the first place. There is no indication that any substantial amount of copper would be

discovered without which indication there is not merit to an exploration program. [illegible]

It is therefore recommended that we concur with the Field Team and the Commodity Committee and write a denial.

While concurring with the Field Team in their denial of this application as is, I have thought it advisable to put the applicant on record that he does not wish to cooperate, or on the other hand if hex is informed officially that it is either cooperation on his part, or a demial entirely, the operator may change his mind and permit some prospecting of this vein on the surface such as drifting on it or opencutting it etc.

Sch

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

January 20, 1954

Docket No. DMEA-2786 (Cu)

Mr. E. A. Buckhorn, Secretary
State of Oregon Board of Engineering Examiners
717 Board of Trade Building
Portland 4, Oregon

Dear Mr. Buckhorn:

We have received your letter of January 15, 1954, requesting information on maps that may have been prepared by Mr. George Marshall, Baker, Oregon, for the DMEA application of the East Eagle Mining Company, Baker, Oregon.

Although there were three mine maps submitted with the application of the East Eagle Mining Company, on none of these maps is there any note indicating by whom they were prepared. Consequently, we have no way of knowing whether Mr. Marshall was responsible for the drawing up of these maps.

We have checked all the other documentary evidence submitted with the application and can find no reference to Mr. George Marshall. Consequently there is nothing in our files that I feel could be of any assistance to you.

Yours very truly,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2) w/cys incoming ltr.
USBM (2) do.

MEMBERS OF BOARD
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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 25 1954

A. L. HENNY
PRESIDENT
B. G. DICK
VICE PRESIDENT
E. A. BUCKHORN
SECRETARY

STATE OF OREGON
BOARD OF ENGINEERING EXAMINERS
717 BOARD OF TRADE BUILDING
PORTLAND 4

gl
File
Reply

WIP 1-20-54

January 15, 1954

Defense Mineral Exploration Administration
South Howard Street
Spokane, Washington

Gentlemen:

This office is currently investigating the past activities of a Mr. George Marshall of Baker, Oregon, who has represented himself to various individuals as a mining engineer qualified to practice mining engineering within the State of Oregon. Mr. Marshall is not a registered engineer of Oregon and has no qualifications entitling him to hold himself out as a mining engineer.

In connection with our investigation we learned from Mr. Raleigh Chadwell, owner of the East Eagle Mine, Baker, Oregon, that he retained and employed Mr. Marshall in the fall of 1952 to survey and map the East Eagle mining property for use in connection with an application for a DMA loan. It is our understanding that the map or maps prepared by Mr. Marshall for Mr. Chadwell were sent to your office. We have been unsuccessful in locating any copies of such maps and, while we are sorry to bother you, it would be greatly appreciated if you would advise us as to whether or not you still have this map or maps in your files and, if so, whether or not it would be possible for you to furnish this Board with a copy or copies thereof. It is to be understood, of course, that we would be perfectly willing to reimburse your office for the cost of making such copies.

Should you have any other papers or documents in your file in connection with the above mentioned application which might have been signed by Mr. Marshall, it would be appreciated if you would list such documents for us and also advise us as to whether or not it would be possible for you to furnish us with copies of such documents for our use.

Very truly yours,

E. A. Buckhorn

E. A. Buckhorn, Secretary

EAB:M

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

January 20, 1954

Docket no. DMEA-2786 (Cu)

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State of Oregon Board of Engineering Examiners
717 Board of Trade Building
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A. M. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2) w/cys incoming ltr.
USBM (2) do.

MEMBERS OF BOARD
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BOARD OF ENGINEERING EXAMINERS
717 BOARD OF TRADE BUILDING
PORTLAND 4

A. L. HENNY
PRESIDENT
B. G. DICK
VICE PRESIDENT
E. A. BUCKHORN
SECRETARY

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Thy
Reply

WIP

January 15, 1954

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South Howard Street
Spokane, Washington

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Very truly yours,

E. A. Buckhorn

E. A. Buckhorn, Secretary

EAB:M

1/12/53 gla

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

January 9, 1953

Memorandum

Re: DMEA-2786
East Eagle Mine
Baker County, Oregon
$25,850
Copper

To: Mr. E. Wm. Ellis

From: E. L. Newcomb

Subject: Concurrence with field team denial

The applicant's proposed exploration work is not sound from a geological standpoint.

Alternative proposals were suggested by the field team, but none were acceptable to the operator.

Although sparse copper mineralization is widespread on the property, none of the exposures contain sufficient copper to be classed as possible ore shoots.

I concur with the field team's recommendation for denial.

E. L. Newcomb
E. L. Newcomb
Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

January 9, 1953

Memorandum

Re: DMEA-2786
East Eagle Mine
Baker County, Oregon
$25,050
Copper

To: Mr. E. Wm. Ellis

From: E. L. Newcomb

Subject: Concurrence with field team denial

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I concur with the field team's recommendation for denial.

E. L. Newcomb
Geologist

1/19/53

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

January 13, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 14 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2786 (Copper) East Eagle Mining Company, Baker County, Oregon

I have reviewed the report by Fuller and Puffett, dated December 19, 1952, and concur (as does the Field Team) in their recommendation that the application be denied. The examiners were unable to find any justification for the proposed work, in spite of a reasonably thorough study of the situation, and the applicant reportedly was not receptive to any suggestion for a more sensible project.

C. H. Johnson

C. H. Johnson

Copy to - Mr. Kinkel, USGS, Room 4234
Mineral Division
Base Metals Branch
Mr. Johnson
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

January 13, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 14 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2706 (Copper) East Eagle Mining Company, Baker County, Oregon

I have reviewed the report by Fuller and Puffett, dated December 19, 1952, and concur (as does the Field Team) in their recommendation that the application be denied. The examiners were unable to find any justification for the proposed work, in spite of a reasonably thorough study of the situation, and the applicant reportedly was not receptive to any suggestion for a more sensible project.

C. H. JOHNSON

C. H. Johnson

CHJohnson:ks

Copy to - Mr. Kinkel, USGS, Room 4234
Mineral Division
Base Metals Branch
Mr. Johnson
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

January 13, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 14 1953

Memorandum

To: [illegible], DMA

From: C. H. Johnson, Bureau of Mines

Subject: [illegible]-0726 (Copper) East Maple Mining Company, Baker County, Oregon

I have reviewed the report by Fuller and Puffett, dated December 19, 1952, and concur (as does the Field Team) in their recommendation that the application be denied. The examiners were unable to find any justification for the proposed work, in spite of a reasonably thorough study of the situation, and the applicant reportedly was not receptive to any suggestion for a more sensible project.

C. H. JOHNSON

C. H. Johnson

CHJohnson:ks

Copy to - Mr. Minkel, WCCB, Room 4234
Mineral Division
Rare Metals Branch
Mr. Johnson
Files

1/6/53 gh

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
[redacted]
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

December 24, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket DMEA-2786 (Copper)
East Eagle Mining Company
Baker County, Oregon

Dear Mr. Johnson:

Enclosed are the original and three copies of a field examination report on the subject property prepared by Gerald W. Fuller and Willard P. Puffett, dated December 19, 1952.

The ore showings are meager, the applicant's projection of the vein does not seem tenable, and we can see no basis for an exploration program. Therefore, the Field Team agrees with the recommendations of the examiners that the application be denied.

By DMEA Field Team, Region II

A. E. Weissenborn, Executive Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: USBM (2)
Puffett

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

December 19, 1952

MEMORANDUM

TO: DMEA Field Team Region II

FROM: Gerald W. Fuller and Willard P. Puffett, Geologists, U. S. Geological Survey

SUBJECT: Report of field examination of the East Eagle Mining Company property, Baker County, Oregon. Docket No. DMEA-2786(Copper)

INTRODUCTION

The application from the East Eagle Mining Company was received at this office November 13, 1952. Examination of the subject property was begun November 20, 1952 and completed November 22, 1952. The applicant, Mr. Raleigh E. Chadwell, Box 699, Baker, Oregon, Vice President of the East Eagle Mining Company, accompanied the examining party throughout most of the examination. Snow hindered close examination of many of the prospecting trenches but a Brunton and tape traverse was run to connect all important locations. The main tunnel was mapped, as was a smaller one on the Monday Claim. The McGee tunnel and two minor adits were not mapped due to caved conditions and lack of time.

RECOMMENDATIONS

It is recommended that the East Eagle Mining Company application for exploration assistance for copper be denied.

The East Eagle Mine is primarily a gold-silver mine and could perhaps be operated, as such, at a profit if the price of gold were raised or mining costs lowered. However, the tenor of the ore exposed in the veins which the company's proposal would explore does not indicate that any substantial amount of copper would be discovered. The minor amount of copper which does occur is sparsely scattered over a considerable strike length but is in no place concentrated in sufficient quantity to be considered an ore shoot.

LOCATION

The East Eagle Mining Company property is in the East Eagle district, about 45 miles by road northeast of Baker, the county seat of Baker County, Oregon. The nearest shipping point is Pondosa, Oregon, a distance of 25 miles. The property consists of two groups of claims, both under Lease and Option by the East Eagle Mining Company.

The Oliver Lease and Option consists of 8 patented claims, all in Sections 32 and 33, T. 6 S., Range 44 East of the Willamette Meridian. The original purchase price of this property was $25,000. Of this, $23,000 has been paid from sale of timber on the land.

The other group of claims is known as the Pierce Lease and Option and consists of 4 unpatented claims. An obvious discrepancy exists between the location of the Pierce Lease and Option, as mapped by the examiners, and the description supplied with the application. The application states that these claims lie in Sections 29 and 32, T. 6 S., Range 72 East of the Willamette Meridian. Range 72 East of the Willamette Meridian does not exist. It is assumed that the legal description of the Pierce Lease and Option is incorrect and Range 44 East should be substituted for Range 72 East.

Another discrepancy was noted in plotting a traverse from the tunnel, supposedly on the Monday Claim, to the portal of the main tunnel. This traverse, when plotted on a claim map supplied by the applicant, put the tunnel in question 800 feet north of the Monday Claim end-line. The applicant has been informed of this discrepancy and has replied that it will be investigated.

GEOLOGY

The East Eagle Mine lies in somewhat metamorphosed, steeply dipping, sedimentary rocks of questionable age. C. P. Ross classifies them as Carboniferous 1/ because of their stratigraphic position beneath the Martin Bridge formation (Upper Triassic). These rocks, where exposed in the East Eagle Creek drainage area, are described by Ross as recrystallized sandstones, conglomerates and cherty slates. In this brief examination a general field classification of argillite was used. Bedding is obscure and often difficult to distinguish from strong jointing, which is particularly conspicuous underground. In general, the rocks are reddish-brown in color with purple and green facies exposed occasionally. Lack of exposures prevented the determination of a stratigraphic sequence.

Several strong, nearly vertical dikes, probably andesite or diorite in composition, are exposed in the area.

Four large fault zones are exposed in the main tunnel. These faults are apparently, moderately low-angle, reverse faults or thrusts.

1/ Ross, C. P., The Geology of part of the Wallowa Mountains: State of Oregon, Dept. of Geology and Mineral Industries, Bulletin No. 3, 1938.

They are conspicuous by their persistence and by undulations in both strike and dip. These fault zones appear to be chiefly crushed areas with movement being dissipated over large expanses of sheared rocks, although minor amounts of fault gouge have been developed. The width of these shear zones varies from 8 inches to 3 feet. Surface expressions of the faults could not be seen.

Two major veins are exposed in the main tunnel; some stoping has been done on the most easterly of the two. The veins consist chiefly of crushed and sheared quartz with minor amounts of calcite (probably secondary) and a very small amount of malachite stain. The veins are presumed to be post faulting; however, renewed movement along the faults has crushed and sheared them. In one area an apparent swell in the vein is the result of thrusting one portion of the vein over another, giving an exaggerated thickness. In general, the veins range from 5 inches to 40 inches in thickness and are contained within the fault zones. The positions of the veins within the faults are not fixed and shifts from footwall to hanging wall take place in short distances. The vein material was observed closely for copper mineralization, but no sulfides were seen. Copper mineralization was so scarce that no samples were taken in the underground workings in the main tunnel. Perusal of the assay data for these workings submitted by the applicant will indeed show that the amount of copper found here is not large.

An 8 inch vein, exposed in an open cut 1,549 feet above the portal of the main tunnel and 2,850 feet to the west, contains considerable amounts of bornite and chalcopyrite. This vein is thought, by the applicant, to be intimately associated with a diorite dike which crops out 300 feet south of the underground workings of the main tunnel. This dike does not crop out in the vicinity of the open cut. A small amount of quartz float observed along this dike is cited as evidence that this relationship exists. Snow prevented close examination of the dike and its surrounding talus; however, the quartz float which was observed showed little copper mineralization. Assays of samples of higher grade vein material from the aforementioned cut showed 15.46% copper while a sample of stockpiled ore from this cut revealed 5.42% copper.

The small tunnel reported to be on the Monday Claim is driven on a quartz vein for approximately 100 feet. A fault, which evidently offset the vein, was then encountered. Whether the dislocated section of vein was picked up by additional work is not known. The vein in this tunnel is also massive quartz, from 9 inches to 40 inches thick. It appears to be devoid of sulfides although the applicant stated that ore from a stope midway along the drift contained 4 percent copper. A grab sample, by the examiners, from this stope assayed 0.25 percent copper.

PROPOSED EXPLORATION WORK

The applicant proposes to crosscut southwest from one of the two short laterals off the most westerly of the two drifts in the main tunnel. The target is to be the extension of the 8-inch vein exposed

in the open cut on the surface, 1,548 feet above the portal of the main tunnel and, at the least, 2,000 feet horizontally to the west of the proposed intersection. This vein is thought, by the applicant, to be situated on the footwall side of the dike exposed near the main tunnel. The exploratory work would consist of 330 feet of crosscut to the footwall of the dike, assuming the dike to be vertical, then 200 feet of drift along the footwall of the dike and 100 feet of raise along that contact. The examiners do not believe this proposal is geologically sound. It is not considered reliable to project an 8-inch vein over such a great distance. (1) (2)

Alternative proposals mentioned by the examiners, such as sinking on the exposed vein or driving an adit to crosscut this vein at a more reasonable depth, were not considered favorably by the applicant. The location of the milling facilities near the portal of the main tunnel seem to be considered more important than the location of ore. The applicant believes definitely that all exploration work should begin from the main tunnel. He does not consider favorably any proposal which would necessitate moving the mill or trucking ore from any adit but that of the main tunnel.

(1) The strikes are not big enough for an 8" vein to justify the gamble

(2) Footwall of a vertical dike!

Enclosures: (3)

cc: DMEA (Orig & 3)
USBM (2)
USGS (SRO)
Docket
Puffett

1/2/53 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
[redacted]
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

December 24, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket DMEA-270 (Copper)
East Eagle Mining Company
Baker County, Oregon

Dear Mr. Johnson:

Enclosed are the original and three copies of a field examination report on the subject property prepared by Gerald W. Fuller and Willard P. Puffett, dated December 19, 1952.

The ore showings are meager, the applicant's projection of the vein does not seem tenable, and we can see no basis for an exploration program. Therefore, the Field Team agrees with the recommendations of the examiners that the application be denied.

By DMEA Field Team, Region II

A. A. Weissenborn, Executive Officer
(U. S. Geological Survey)

H. L. Volin, Member
(U. S. Bureau of Mines)

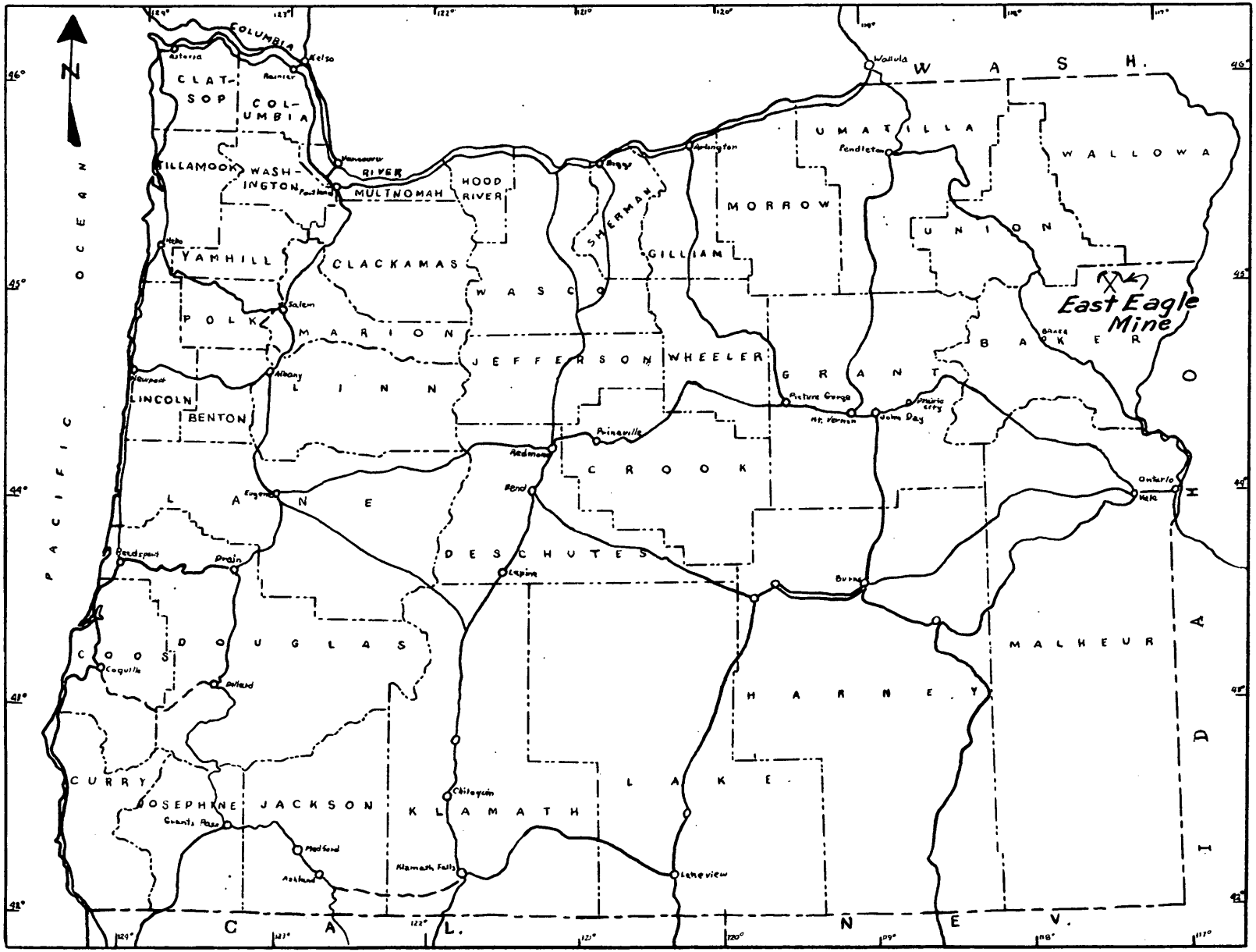
Enclosure

cc: DMM (2)
Puffett

Reviewed by
DMEA OPERATING COMMITTEE

1-9-53
(date)

DMEA No. 2786



INDEX MAP

STATE OF OREGON

Scale 10 0 10 20 30 40 Miles

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

[illegible] 157 Howard Street
[illegible], [illegible]ington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

[illegible]ecember 1[illegible], 1[illegible]2

[illegible]

To: [illegible] Field Team Region II

From: [illegible]erald [illegible]. Fuller and Willard [illegible]. Puffett, [illegible]ologists, [illegible]. S. Geological Survey

Subject: Report of field examination of the East Eagle Mining Company property, [illegible]ker County, [illegible]regon. Docket No. [illegible]A-2756(Copper)

[illegible]

The application from the East Eagle Mining Company was received at this office November 13, 1952. Examination of the subject property was begun November 21, 1952 and completed November 22, 1952. The applicant, Mr. Malcolm L. Cromwell, Box [illegible], [illegible]ker, Oregon, Vice President of the East Eagle Mining Company, accompanied the examining party throughout most of the examination. Mr. Cromwell offered close examination of many of the prospecting trenches but a Brunton and tape traverse was run to connect all important locations. The main tunnel was mapped, as was a smaller one on the Monday claim. The [illegible] tunnel and two minor adits were not mapped due to caved conditions and lack of time.

[illegible]

It is recommended that the East Eagle Mining Company application for exploration assistance for copper be denied.

The East Eagle Mine is primarily a gold-silver mine and could perhaps be operated, as such, at a profit if the price of gold were raised or mining costs lower d. However, the tenor of the ore exposed in the veins which the company's proposal would explore does not indicate that any substantial amount of copper would be discovered. The minor amount of copper which does occur is sparsely scattered over a considerable strike len[illegible] but is in no place concentrated in sufficient quantity to be considered an ore shoot.

Reviewed by
DMEA OPERATING COMMITTEE

1-9-53
(date)

LOCATION

The East Eagle Mining Company property is in the East Eagle district, about 45 miles by road northeast of Baker, the county seat of Baker County, Oregon. The nearest shipping point is Pondosa, Oregon, a distance of 25 miles. The property consists of two groups of claims, both under lease and option by the East Eagle Mining Company.

The Oliver lease and option consists of 8 patented claims, all in Sections 32 and 33, T. 6 S., Range 44 East of the Willamette Meridian. The original purchase price of this property was $25,000. Of this, $23,000 has been paid from sale of timber on the land.

The other group of claims is known as the Pierce lease and option and consists of 4 unpatented claims. An obvious discrepancy exists between the location of the Pierce lease and option, as mapped by the examiner, and the description supplied with the application. The application states that these claims lie in Sections 2[illegible] and 32, T. 6 S., Range 72 East of the Willamette Meridian. Range 72 East of the Willamette Meridian does not exist. It is assumed that the legal description of the Pierce lease and option is incorrect and Range 44 East should be substituted for Range 72 East.

Another discrepancy was noted in plotting a traverse from the tunnel, supposedly on the Monday claim, to the portal of the main tunnel. This traverse, when plotted on a claim map supplied by the applicant, put the tunnel in question 800 feet north of the Monday claim end-line. The applicant has been informed of this discrepancy and has replied that it will be investigated.

GEOLOGY

The East Eagle mine lies in somewhat metamorphosed, steeply dipping, sedimentary rocks of questionable age. C. P. Ross classifies them as Carboniferous 1/ because of their stratigraphic position beneath the Martin Bridge formation (Upper Triassic). These rocks, where exposed in the East Eagle Creek drainage area, are described by Ross as recrystallized sandstones, conglomerates and charty slates. In this brief examination a general field classification of argillite was used. Bedding is obscure and often difficult to distinguish from strong jointing, which is particularly conspicuous underground. In general, the rocks are reddish-brown in color with purple and green facies exposed occasionally. Lack of exposures prevented the determination of a stratigraphic sequence.

Several strong, nearly vertical dikes, probably andesite or diorite in composition, are exposed in the area.

Four large fault zones are exposed in the main tunnel. These faults are apparently, moderately low-angle, reverse faults or thrusts.

1/ Ross, C. P., The Geology of part of the Wallowa Mountains: State of Oregon, Dept. of Geology and Mineral Industries, Bulletin No. 3, 1938.

they are characterized by their [illegible] and by [illegible] strike and dip. These fault zones appear to be [illegible] with movement [illegible] estimated over large expanses of sheared rocks, although minor amounts of fault [illegible] have been recognized. The width of these shear zones varies [illegible] feet. Surface exposures of the faults could not be seen.

No major veins are exposed in the main tunnel. [illegible] has been done on the most westerly of the two. A vein of quartz [illegible] of crushed and sheared quartz with [illegible] of calcite present, secondary, and a very small amount of sulphide [illegible]. The veins are presumed to be post faulting; however, renewed movement along the faults has crushed and sheared them. [illegible] in the vein is the result of thrusting the portions of the vein over another, giving an exaggerated thickness. In general, the veins range from [illegible] inches to [illegible] inches in thickness and are contained within the fault zones. The positions of the veins within the faults are not fixed and shifts from footwall to hangingwall take place in short distances. The vein material was observed closely for copper mineralization, but no sulfides were seen. Copper mineralization was so scarce that no samples were taken in the underground workings in the main tunnel. Ground of the assay data for these veins submitted by the applicant will indeed show that the content of copper found here is not large.

In 5 [illegible] veins, exposed in a open cut [illegible] just above the portal of the main tunnel and 2, [illegible] feet to the west, contains considerable amounts of pyrite and chalcopyrite. This vein is thought, by the applicant, to be intimately associated with a diorite dike which crops out 750 feet south of the underground workings of the main tunnel. This dike does not crop out in the vicinity of the open cut. A small amount of quartz float observed along this dike is cited as evidence that this relationship exists. Upon further close examination of the dike and the surrounding terrain, however, the quartz float which was observed showed little copper mineralization. Assays of samples of higher grade vein material from the aforementioned cut showed [illegible] copper while a number of stockpiled ore from [illegible] but revealed [illegible] copper.

The small tonnage reported to have been taken out of the [illegible] is drawn on a quartz vein for approximately [illegible] feet. A fault, which evidently offset the vein, was then encountered. Whether the displaced section of vein was picked up by additional [illegible] is not known. The vein in this [illegible] is also massive quartz, from [illegible] inches to [illegible] inches thick. It appears to be devoid of sulfides although the applicant stated that ore from a stope which [illegible] along the drift contained [illegible] percent copper. A grab sample, by the examiner, from this stope assayed [illegible] percent copper.

[illegible]

The applicant proposes to prospect additional [illegible] on the two short laterals off the most westerly of the two drifts in the main tunnel. The idea is to [illegible] the extension of the vein which [illegible] exposed

in the open cut on the surface, 1,5[illegible] feet above the portal of the main tunnel and, at the least, 2,000 feet horizontally to the east of the proposed intersection. This vein is thought, by the applicant, to be situated on the footwall side of the dike exposed near the main tunnel. The exploratory work would consist of 330 feet of crosscut to the hanging wall of the dike, assuming the dike to be vertical, then 2[illegible] feet of drift along the footwall of the dike and 1[illegible]0 feet of raise along that contact. The examiners do not believe this proposal is geologically sound. It is not considered reliable to project an [illegible]-inch vein over such a great distance.

Alternative proposals mentioned by the examiners, such as mining on the exposed vein or driving an adit to crosscut this vein at a more reasonable depth, were not considered favorably by the applicant. The location of the milling facilities near the portal of the main tunnel seem to be considered more important than the location of ore. The applicant believes definitely that all exploration work should be made from the main tunnel. He does not consider favorably any proposal which would necessitate moving the mill or trucking ore from any adit but that of the main tunnel.

Enclosures: (3)

cc: [illegible] (3) ✓
[illegible] (2)
[illegible]
[illegible]cokat
[illegible]ufett

12/10/52 gla

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 10 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

December 9, 1952

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2786 (Copper), East Eagle Mining Company, Eagle (and other) claims, Baker Company, Oregon

I have reviewed the above named application, which is returned herewith. It is not wholly clear, but appears to propose about 500 feet of crosscut, drift, and raise to explore the downward extension of the Eagle vein from workings some 1250 feet below the outcrop. The estimated cost is $25,850, the time required 3 months.

Inasmuch as the memorandum of transmittal from the Field Team, dated November 21, 1952, states that an examination will be made at once, on account of impending snow, it appears there is nothing to be done but wait for the Field Team report.

The Bureau of Mines appears to have no reports in its files relating to the subject properties.

C. H. Johnson

C. H. Johnson

Attachment

Copy to - A. R. Kinkel, Jr., USGS
Minerals Division
Base Metals Branch
Mr. Johnson
Files

12/10/52
gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
[redacted]
So. 157 Howard Street
Spokane 4, Washington

DMEA-2786

December 4, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Mr. Raleigh S. Chadwell
East Eagle Mining Company
Box 69
Baker, Oregon

Dear Mr Chadwell:

After I had completed plotting the various traverses Mr. Fuller and I made at the East Eagle Mine, I attempted to plot the claims in their proper position. To do this, I used information from the claim map submitted with your application.

There is a discrepancy between our map and the information you supplied us during the examination. As plotted, the trench containing the copper-rich vein at the top of the hill is on the Monday or Apex claim. This puts the 1[illegible]-foot tunnel which we mapped completely off your group of claims. There is the possibility of course, that an error was made in the claim map you sent us.

Now this in no way will have a direct bearing concerning final decision on your application. I thought the information was sufficiently important to be brought to your attention inasmuch as the possibility exists that the one tunnel may not be on your property.

Yours very truly,

Willard P. Puffett
Geologist

cc: DMEA (2)
USBM (2)
Puffett

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 10 1952

December 9, 1952

Memorandum

To: E. W. Ellis, DMA

From: C. H. Johnson, Bureau of Mines

Subject: DMA-2786 (Copper), East Eagle Mining Company, Eagle (and other) claims, Baker County, Oregon

I have reviewed the above named application, which is returned herewith. It is not wholly clear, but appears to propose about 500 feet of crosscut, drift, and raise to explore the downward extension of the Eagle vein from workings some 1250 feet below the outcrop. The estimated cost is $25,850, the time required 3 months.

Inasmuch as the memorandum of transmittal from the Field Team, dated November 21, 1952, states that an examination will be made at once, on account of impending snow, it appears there is nothing to be done but wait for the Field Team report.

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C. H. Johnson

Attachment

CHJohnson:ks

Copy to - A. R. Kinkel, Jr., MMOS
Minerals Division
Base Metals Branch
Mr. Johnson
Files

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 10 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

December 9, 1952

Memorandum

To: L. W. Ellis, DMA

From: C. H. Johnson, Bureau of Mines

Subject: DMA-2786 (Copper), East Eagle Mining Company, Eagle (and other) claims, Baker County, Oregon

I have reviewed the above named application, which is returned herewith. It is not wholly clear, but appears to propose about 500 feet of crosscut, drift, and raise to explore the downward extension of the Eagle vein from workings some 1250 feet below the outcrop. The estimated cost is $25,000, the time required 3 months.

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C. H. Johnson

Attachment

CHJohnson:ks

Copy to - A. E. Minkel, Jr., DMA
Minerals Division
Base Metals Branch
Mr. Johnson
Files

DMEA-2786

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
[redacted]
So. 157 Howard Street
Spokane 4, Washington

NOV 3 - 1952

November 21, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for an exploration contract submitted by Raleigh E. Chadwell, Vice President, East Eagle Mining Company, Baker County, Oregon. One copy of the application has been retained in our files to facilitate a field examination.

A field examination of the subject property is being made during the present week by DMEA field men. It was believed advisable to make an immediate examination inasmuch as the area will soon be overlain with snow. The Field Team report will be forwarded at the earliest possible date.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: M. E. Volin
Acting Executive Officer
DMEA Field Team, Region II

Enclosures

cc: USBM (2)

DMEA-2786

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

[redacted]
So. 157 Howard Street
Spokane 4, Washington

NOV 2 1 1952

November 21, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for an exploration contract submitted by Raleigh E. Chadwell, Vice President, East Eagle Mining Company, Baker County, Oregon. One copy of the application has been retained in our files to facilitate a field examination.

A field examination of the subject property is being made during the present week by DMEA field men. It was believed advisable to make an immediate examination inasmuch as the area will soon be overlain with snow. The Field Team report will be forwarded at the earliest possible date.

Sincerely yours,

Thor H. Kristgaard
For: M. E. Volin
Acting Executive Officer
DMEA Field Team, Region II

Enclosures

cc: USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

November 25, 1952

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned Docket Number to an application recently received from Region II.

DMEA-2786 - Chadwell, Raleigh E.

ROBERT E. ADAMS

Robert E. Adams, Chief
Operation's Control and
Statistics Division

November 25, 1952

Mr. Raleigh E. Chadwell
East Eagle Mining Company
Box 699
Baker, Oregon

Subject: DMEA-2786
Re: Exploration Assistance
East Eagle Mine or Old McGee
Property

My dear Mr. Chadwell:

The receipt of your application dated November 13, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2786 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2786 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Chief
Operation's Control and
Statistics Division

25451

DMEA-2786

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
[redacted]
So 157 Howard Street
Spokane 4, Washington

November 21 1952

Mr. Frank E. Johnson, Chairman
Operating Committee DMEA
Department of the Interior
Washington 25, D. C.

Copper

Dear Mr. Johnson:

Enclosed are three copies of an application for an exploration contract submitted by Raleigh E. Chadwell, Vice President, East Eagle Mining Company, Baker County, Oregon. One copy of the application has been retained in our files to facilitate a field examination.

A field examination of the subject property is being made during the present week by DMEA field men. It was believed advisable to make an immediate examination inasmuch as the area will soon be overlain with snow. The Field Team report will be forwarded at the earliest possible date.

Sincerely yours,

Thor H. Kiilsgaard
For: M. E. Volin
Acting Executive Officer
DMEA Field Team, Region II

Enclosures

cc: USBM (2)

DMEA-2786

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
NOV 13 1952
U. S. G. S.
SPOKANE, WASH.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2786
Metal or Mineral
Date Received 11-25-52
Estimated Cost
Participation (Government %)

NOV 3 - 1952

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Raleigh E. Edwards Box 69 Butte Oregon
Vice President East Eagle Mining Co. Inc

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract. Oliner Lease and Option.
Pierce Lease and Option.
Legal description continued here-in.

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Owner under contract.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it none.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Contained here-in.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(a) State the mineral or minerals for which you [illegible] to explore Copper

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 3 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☑ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Nov - 6, 1952

information furnished by East Eagle Mining Co.

Raleigh E Caldwell
(Applicant)

By George Marshall

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

DMEA ORDER

Question 1a - Raleigh E. Chadwell, Vice-President
b - East Eagle Mining Company, Incorporated, State of Oregon,
c - G. R. Holderman, President, 1515 15th N.E., Seattle, Washington
Raleigh E. Chadwell, Vice-President, Box 699, Baker, Oregon
La Roy Chadwell, Secretary-Treasurer, Box 699, Baker, Oregon
Robert Chadwell, Director, Box 699, Baker, Oregon
James Anderson, Adv. Comm., Hereford, Oregon
Alfred L. Olson, Adv. Comm., 1419 Church Street, Baker, Oregon

Raleigh E Chadwell

Box 699 Baker Oregon

DMEA ORDER

Question 3 - Legal description of Property
a - Oliver Lease and Option

The north half of the northeast quarter and the southeast quarter of the northeast quarter of Section 32, and the northwest quarter of the northwest quarter of Section 33, all in Township 6 South of Range 44 East of the Willamette Meridian, containing 160 acres, according to thepublic survey.

Eagle No. 1	Book 46	Page 45
Eagle No. 2	" 46	" 613
Eagle No. 3	" 46	" 615
Tramp	Book 46	Page 300
Yankee Girl No. 1	Book 44	Page
Yankee Girl No. 2	" 43	" 562
Yankee Girl No. 3	" 44	" 100
Yankee Girl No. 5	" 43	" 562

All being recorded in the Quartz Location Records of Baker County, State of Oregon and being located and situated in Township 6, Section 29 and 32, Range 72 East of the Willamette Meridian, in Baker County, State of Oregon.

PIERCE LEASE AND OPTION

The MONDAY, also known as the APEX, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 388 of the Quartz Location Records of Baker County, Oregon.

The JULY, also know as the ZENITH, unpatented quarz mining claim, location notice of which is recorded in Book 42, at page 389 of the Quartz Location Records of Baker County, Oregon.

The WILSON, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

The APEX, also known as the MONDAY, unpatented quartz mining claims, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

All being located and situated in Township 6, Sections 29 and 32, Range 72 East of the Willamette Meridian in Baker County, Oregon.

b- East Eagle Mine also known as Old McGee Property,
c- East Eagle Mining Company Incorporated, purchaser under contract
d- Lease and contracts included herein
e- None
f- Unpatented claims herein above mentioned

Raleigh E. Chadwick

Box 699 Baker Oregon

DMEA ORDER

Question 4 a- The Exploration Program of the East Eagle Mining Company Incorporation has consisted of the development as follows: 200 feet of cross cutting in a south-westerly direction toward an existing known ore body of which has yet to be intersected. Thence, 250 feet in a north-westerly direction on a small vein striking north 70° west for a distance of 250 feet with a small cross cut 100 feet southerly of its face in a course south-westerly 40 feet. The work now being conducted is exploration of a vein striking north 2° west and this tunnel at the present time being 300 feet in length drifting on the hanging wall of said vein. At the distance of 300 feet of drifting, strong sheers in the hanging wall have been encountered. At this point the vein changes course to an approximately N 50° W attaining its normal positions as shown on its surface, running in a fair grade of copper ore.

The producing facilities of the East Eagle Mine are as follows: a complete milling plant equipped with jigs, impact amalgamators, and floatation units of a fifty ton per day capacity. Having been installed new in 1951, the mine is also equipped with ore bins, trucks, bull-dozers, compressors, and all equipment necessary for production. The mine workings consist of the East Eagle tunnel, upper McGee tunnel, and the Monday tunnel of which all are accessable for examination excepting the McGee tunnel.

b-The current ore reserves existing at the present time consist practically of, or about, 5,000 tons of developed ore which when analyzed contains approximately an average of 3% copper.

c-The geological features of this property, including mineralization and type of deposit and reasons for exploration with illustrated maps and assay maps and other technical information, contained herein.

d-All but two miles of the roads to said mine are accessable the year round, being controlled by dozing equipment belonging to East Eagle Mining Company Incorporated. The nearest shipping point is Pondosa, Oregon, Baker County, the distance being approximately 25 miles. Supply and residence point is Baker, Baker, County, State of Oregon at a distance of approximately 52 miles in a north-easterly direction.

e-Contained separately herein.

Raleigh E. Hardwick

Box 699 Baker Oregon

DUNHAM MILES CLAIMS (Au.)

East Eagle Dist
Baker, County

Foreword: Two separate groups of claims make up these holdings. These claims have been known by and written up under various names with the result confusion exists concerning them. The 'Dunham Miles' name for the aggregate holdings is used here as it seems to be the most thoroughly established and appropriate. The individual groups are here called the Sheeprock Group and the Monday-July Group. Throughout the following discussion an attempt will be made to clarify the situation by correlating the various names used in the past with those used here.

The Sheep Rock mine was mentioned by Lindgren[1] in report of 1901. Swartley[2] mentions "the McGee p commonly known as the 'Sheep Rock' in 1916. Subsequent to this the claims involved, along with others were included in the Woodard Group. The property is thus commonly known locally as part of the Woodard Group. A claim map of the Woodard Group by D. W. C. Nelson shows the Sheeprock claim as situated adjacent to and north of the Woodrow claim, but Gilluly, Reed and Park[3], describe in 1933 the Summit claim as so situated and make no mention of the Sheeprock. The Gilluly, Reed and Park account further states that the Woodrow claim is part of the Dunham Miles Group, Miles having at that time acquired this portion of the Woodard Group.

1 Lindgren - U.S.G.S. Annual Report No. 22, Vol. 2, 1901.
2 Swartley - Mineral Resources of Oregon, Vol. 2, No. 4, 1916.
3 Gilluly, Park and Reed, U.S.G.S. Bull. 846 A, 1933.

Question #4-C. DMEA

Raleigh E Hradsell
Box 699 Baker Oregon

The Gilluly, Reed and Park report is under the heading "Summit Mining Company" which company at that time had leases on both the Dunham Miles and what remained of the Woodard Group. That the Summit claim was the old Sheeprock is further indicated by a statement in the Gilluly report of a reported production of "$30,000 (made) at a time when most of the claims were controlled by a Mr. McGee." Lindgren states that a Mint report for 1892 credits nearly this amount to the Sheeprock Mine, but makes no mention of ownership. As already mentioned, Swartley refers to the Sheep Rock Mine as "the McGee property commonly known as the Sheep Rock." Dogami 14A quotes the Gilluly report on the Summit Mining Company with its account of the Sheep Rock Mine under the name of the Summit Claim, and also quotes the Swartley report of the Sheep Rock Mine under that name. The Swartley Handbook of Mines and Prospects lists the Woodard Group as under lease to the East Eagle Mining and Milling Company, and at the same time lists the Woodrow claim and Sheep Rock Mine as separate and distinct properties. Evidently these claims were not then included in the Woodard Group.

The Monday-July Group has been part of both the Dunham Miles and Woodard Groups in the past. As relocated by the present owners, the present group is comprised of the old Zenith and Apex claims of the original Dunham Miles Group as named in the report by Gilluly, Reed and Park. These same claims are shown on the map of the Woodard Group by the same names excepting that the claim positions are reversed as compared to the way they are presented by Gilluly.

Present use of the name "Apex" on the old Sheeprock claim is unfortunate in that it introduces another

Arleigh E Chadwell
Box 699 Baker Oregon

chance for future confusion in that the name "Apex" has always been identified with the other group heretofore.

Old Names: From the foregoing it is evident that the Sheeprock, the McGee, the Summit Mining Company, the Woodard Group, the Zenith, the Apex and the Woodrow Claim are all names under which various claims of this group have been written up, or are otherwise known.

Lessee: East Eagle Mining Company, Box 699, Baker, Oregon. This company has a lease and option on the neighboring Oliver Property, and reference is made to a report by that name by N.S.W., December 13, 1947, for additional details regarding this company.

Owners: H. M. and R. G. Miles, A. D. Sturgill, and W. D. Pierce, all of Baker, Oregon.

Location: The Sheeprock Group is located in T.6 S., R. 44 E., Section 29 and the Monday-July Group is located in Section 29 and 32. Reference is made to a claim map accompanying this report.

Sheeprock Group

Area: Two unpatented claims known as the Wilson and Apex. The Wilson is the old Woodard and the Apex includes the workings on the old Sheeprock or Summit although the Claim itself does not correspond to the Old Sheeprock corners. These claims were re-located by the owners July 1, 1947. Access to the group is by pack trail which leaves East Eagle creek at an elevation of about 4,350' and at a point about opposite the Stagg cabins. Elevations on the claims themselves vary greatly. The average is in the neighborhood of 5,500'.

Raleigh E Chadwell
Box 699 Baker Oregon

Sheeprock Group

History: A Mr. McGee, owner of other claims in this vicinity during the late 1800's, was one of the original owners of the claims. It is generally understood by those informed of local mining history that McGee started the tunnel on the Sheeprock claim and then leased the property to two brothers who completed the tunnel and then carried on an active, if limited, mining operation for an unknown period of time. Sorted highgrade was reportedly packed across the mountains to Union. A gravity tram, the remains of which occur on the hillside between the property and East Eagle Creek is believed to have been erected by these operators. Although the claims have subsequently belonged to the Woodard Group and to the Dunham Miles Group and were under lease at one time to both the East Eagle Mining and Milling Company (Swartley) and to the Summit Mining Company, subsequent development appears to have been limited chiefly to work of assessment calibre.

Sheeprock Group

Development: No new development work has as yet been done by the present lessees on these claims.

Sheeprock Group

Geology: The immediate country rock is a series of greenstones (refer to Ross; Dogami Bull. 3). In such workings as were open for inspection the vein was seen to occur on the contacts of a basalt dike which cut this greenstone. A basalt flow mapped Columbia River (Miocene) covers an extensive plateau area beginning directly above the claims.

Raleigh E Cradwell
Box 699 Baker Oregon

If the basalt dike associated with the veins is a Miocene Columbia River feeder, then the veins are clearly Post Miocene in age.

The southernmost workings of any consequence on the vein is an old cut occurring a short distance above the trail at the point where the trail begins to break over the rim of the valley side (El. 5340'). The cut is now sluffed in and no vein is to be seen, but basalt constitutes the western side of the cut and greenstone the eastern side. Measurements taken on the exposed footwall indicate a vein strike of N 5° W with a dip of 42° to the west. An estimated two tons of vein matter on the dump consists of white quartz spotted with copper and iron stain, and containing occasional fragments showing moderately heavy copper mineralization. A grab sample from this dump (HB 213) assayed 0.42 oz/ton gold and 0.3 oz/ton silver and 5% copper.

From this pit to the north the canyon side is recessed by the head of a sharp draw. The principle Sheeprock workings on the Apex claim are situated beyond this draw on the main valley slope. The trace of the vein from the first exposure to these workings leads far back into the draw. The next principle set of workings consist of a tunnel situated on the south flank of the draw, at an elevation of 5,300'. This would appear to be the workings described by both Swartley and Gilluly under the heading of Woodrow prospect. Access through a caved portal section reveals a tunnel which bears S 5° E for about 60 feet with a swing to S 5° W for an additional 25 feet to the face. The vein, with a greenstone footwall and a basalt hanging wall, dips about 50° to the west. The usual vein width is perhaps 6 inches, but it swells locally to as much as 12 inches and also thins to as little as 2 inches. Kenneth E. Blackwell

Box 699 Baker Oregon

No stoping has been done, but a winze of 25 to 30 feet in depth is sunk on the vein at a point just within the portal. Sorted vein quartz is staked to a depth of about 2 feet on a platform about 12 feet square directly in front of the portal. A sample (HB 214) taken from the surface on this pile at about 2 feet intervals assayed 1.08 oz/ton gold and a trace silver and 2% copper.

The next set of workings are situated across the draw (on the north flank) about 200 feet distant to the north. These workings consist of two short parallel tunnels on opposite sides of the basalt dike. The westernmost of these tunnels starts in basalt and trends N 55 W for a distance of about 25 feet to its face. A short distance beyond the portal the basalt-greenstone contact is exposed and a trend of N 8 W is revealed. Two feet of sheared formation containing minor amounts of quartz is to be seen on the roof, but this pinches to essentially nothing in both directions laterally and also before reaching the floor of the drift.

The easternmost tunnel is heavily timbered and partially caved for an estimated 60 feet on a N 5 W trend. From this point on the tunnel continues about 30 feet more on a somewhat more westerly bearing. At this point also a cross-cut penetrates the basalt for 25 feet on a S 85 W bearing and then turns and bears N 20 E for an additional 20 feet. A 1 inch quartz stringer exposed in the main drift at the end of the timbered zone is the only vein to be seen in these workings, and this stringer does not continue to the tunnel face.

As already mentioned, the main Sheeprock workings are caved and grown over as was the case when Gilluly's examination was made (Summit Claim). Swartley's report

 Raleigh E. Cardwell
Box 699 Baker - Oregon

therefore remains as the most comprehensive assemblage of data available on the property, and excerpts from this report are offered here.

"Upon the Sheep Rock claim there is a dike of altered igneous rock 30 to 40 feet wide, which strikes N. 40° W. and dips 50° S. W. There is auriferous quartz on both sides of this dike. The veins are from 10 to 18 inches wide and contain from $1 to $3 in gold besides carrying some pyrite and chalcopyrite. The principal veins on this property have a strike from N. 30° to 60° E. and a dip of from 27° to 37° N.W. These veins have gouge and show slicken-sides on both walls."

"According to an engineer's report upon this property from which the above statements are taken, some of these latter veins have widths of 20 to 40 inches and values secured by panning of from $1.40 to $16.80. Considerable development work has been done in previous years but not much has been done recently."

The workings shown to the writer as the principal workings were at an elevation of 5,550'. The cut leading to the portal bears N 50° and is believed to be the underground trend also. According to Chadwell, however, two men who worked in this mine both report that the vein was almost flat with not over a 10° dip to the east, which dip is opposite in direction to those mentioned in the Swartley report. The main tunnel reportedly penetrated the hill for a distance of about 400 feet. At the face the vein is said to have steepened appreciably in dip. A series of closely spaced prospect pits and cuts ascend the hill in a S 80° W direction from the portal to an elevation of 5,660'. While the vein in place was revealed in none of these pits, quartz on the dumps did indicate that they followed the surface exposure of the vein. A grab sample from a pile of sorted quartz at the portal of the main tunnel (HB 215) assayed 0.06 oz/ton in gold and a trace in silver.

From the foregoing it is evident that available information on these workings is meagre and somewhat contradictory.

Wright & Thornbrough
Box 109 Baker Oregon

Transit surveying and extensive prospecting will be necessary to re-establish vein attitudes and relationships prevailing here.

Monday-July Group

Area: Two unpatented lode claims known as the Monday and the July. The Monday is the Apex claim shown on the map of the Woodard Group, and the Zenith as written up by Gilluly. The situation is reversed for the July claim which is shown as the Zenith on the Woodard Group map, but written up under the name Apex by Gilluly.

These claims are located on the divide between East Eagle and Bradley Creeks at an elevation of about 5,750'. Access from the Oliver Property on East Eagle Creek is accomplished by pack trail up the mountain side for part of the distance, and without benefit of pack trail for the rest.

Monday-July Group

History: Little is known concerning the history of these claims other than that they belonged at one time to both Woodard and Dunham Miles, and it is believed that the various pits and workings were made chiefly by Miles and lessees.

Monday-July Group

Development: The principal workings consist of an adit on the Monday claim. The caved portal of this drift has been cleaned by the present lessee to a sufficient degree to permit of entry to the adit for examination purposes.

Monday-July Group

Geology: As the July claim was not examined by the writer the Gilluly report on it (under the name Apex) is presented here.

Raleigh E. Schnabel
Box 699 Baker Oregon

"There are several prospect pits on the claim, the southernmost of which exposes a quartz vein 1 foot thick, which strikes N. 10° E. and dips 25° E. The footwall appears to be a basic dike similar to that on the Midway claim, and the hanging wall is dark-green greenstone. Two quartz stringers, 1 inch to 1½ inches thick, run from the vein into the footwall dike, thus indicating that the dike is older than the vein. However, the stringers may not be of the same age as the main vein, as they are not mineralized. The metallic minerals seen in this pit were chalcopyrite and enargite, with chrysocolla and limonite as oxidation products."

"In another pit on the Apex claim, about 200 feet north of the one above described, a series of small quartz stringers, ranging from the thinness of paper to several inches in thickness is exposed."

The adit on the Monday claim (Gilluly's Zenith) is in a greenstone country rock probably belonging to Ross's Martin Bridge formation. A map of this adit showing the location of samples taken, is included with this report. This adit is 150 feet in length and bears N 72° E. The vein is exposed continuously from the portal to a point within about 30 feet of the face. The dip is very flat, and to the N. NW. The vein is made up of 18 to 38 inches of massive white quartz showing some iron stain and occasional thin streaks of copper stain. Two to 6 inch streaks of green and red gouge occur on both walls, and a heavy maroon-red gouge is to be seen in the hanging wall at the point where the vein is last exposed.

Raleigh E. Woodwell
Box 677 Baker Oregon

EAST EAGLE MINING COMPANY, INC.,

(Location and Geology)

Located about 15 miles north of Sparta or 45 miles north east of Baker in north west part of township 6 south, Range 44 East, Section 32 and 33, on the west side of the rather steep canyon of East Eagle Creek at an elevation of about 42 hundred feet.

GEOLOGY:

Much of the area south of the Wallowa Range and north of lower Powder River, is covered by recent lava flows. Those areas not so covered are in part granite and in part old sediments and old lavas and volcanics. The steep slopes and high ridges which form the upper drainage area of Eagle Creek, are made up of various sediments and old volcanic flows and breccias in considerable complexity. The lower foothills from a few miles west of Sparta to North Powder, where they are not covered by Columbia bassalt, are seem to be made up almost entirely of green stones.

Much lime stone is found in the upper drainage area of Eagle Creek. This lime stone and the other sediments which are largely Calcareous appear to have once covered much of this region, but now only remnants which have escaped erosion, remain. These lime stones, Sand stones and Argillites have frequently been made Schistose and crystallized by the mountain building forces, which crested the Wallowa Range.

It appears probable that in this locality as else where in the Wallowa Region, these sediments were laid down upon a wide belt of old lavas and breccias. Volcanic breccia is also frequently interbedded with them. These breccias and old flows have been generally altered and nearest to the Wallowa Granodiorite intrusion have been compressed and altered into dark green and amphibolitic schist.

COPPER OCCURANCES IN OREGON:

In Oregon copper usually occurs associated with gold and silver. Copper-gold ores are found in the Homestead District on the Snake River, occuring as Chalcocit and Chalcopyrite along sheer zones in green stones. Another area is the copper belt of the Lower Powder River, where Chalcopyrite, Chalcocite, and Cuprite are found in bunches, and disseminated through the shattered and sheered green stone.

Some copper prospects are found where mineralization consists mainly of chalcopyrite with other sulphides in contact deposits between granodiorite and lime stone.

The production of copper as of December 31,1937 as given by the United States Bureau of Mines was 23,932,000 pounds.

TAKEN FROM: Oregon Metal Mines Handbook, Bulletin 14A-

Raleigh E Chadwell

Question #4c. DMEA.

Box 699 Baker Oregon

DMEA QUESTION # 4D:

The East Eagle Mine is assessible all the year around, although two miles of road must be maintained opened with bull dozer during heavy snow storms. The latter two miles being private road. the nearest shipping point being Pondoza, at a distance of twenty five miles. Supply and residence points being Baker Oregon, at a distance of fifty two miles, although adequate residenceare availible for help required under exploration at the mine.

DMEA #4 E:

The availability of man power at the present time is favorable in the surrounding areas. Materals and supplies are available at Baker Oregon. Equipment if needed availabke at Kellogg Idaho. Water power is plentiful as East Eagle River flows through the middle of mill site. Assessibilty to comercial power within two miles. At present time power being furnished by a two hundred KW Diseil plant.

Question #6:

Estimate of cost:

500 feet drifting, raising, and cross cuting at an aprox. cost of $I2,250.00

#6 B:

Consultants Fees: $ 500.00

#6 D:

Equipment to be purchased:

I-----Mucking machine	aprox.	$I900.00
I-----Air Tramer	"	I500.00
I-----Four Wheel Jeep Pick Up	"	2400.00
6-----I Ton Ore Cars	"	I500.00
I-----Rock Drill (complete)	"	II00.00
Laboratory Equipment	"	I500.00

Question 6 F:

One new chemical lab. I2' by I2 ' addition I000.00

Total cost $ 25,850.00

ASSIGNMENT OF [illegible]

We, the undersigned, C. R. [illegible], [illegible] C. CHADWELL, ROBERT CHADWELL, LAVOY CHADWELL, JAMES ANDERSON, and ALFRED L. OLSON have hereby agreed that RALEIGH L. CHADWELL, Vice-President of the [illegible] MINING COMPANY, a corporation, shall have complete supervision of all exploration and development activities on all properties owned or held by [illegible] AND [illegible] of property located by [illegible] MINING COMPANY, INC., until such time as RALEIGH CHADWELL's supervision shall prove unsatisfactory or a detriment to the corporation.

We, the above signed; all being members of the above mentioned corporation, in capacity as follows; do hereby agree to this document.

C. R. McCleveen

C. R. McCleveen, President
15151-15th N.E. Street,
Seattle, Washington

Raleigh L. Chadwell

Raleigh L. Chadwell, Vice-President
Box 699, Baker, Oregon

Lavoy Chadwell

Lavoy Chadwell, Secretary
Box 699, Baker, Oregon

Robert Chadwell

Robert Chadwell, Director
Box 699, Baker, Oregon

James A Anderson

James Anderson, Adv. Comm.
Boreford, Oregon

Alfred L. Olson

Alfred L. Olson, Adv. Comm.
1419 Church Street
Baker, Oregon

Dated this ____ day of October, 1952, at Baker, Oregon.

EAST EAGLE MINING COMPANY , INC.,

EAGLE CREEK MINING DISTRICT

(COPPER, GOLD)

OLIVER LEASE AND OPTION

FORWORD:

This property consists of one hundred and sixty acres described legally as follows:

The north half of the north east quarter and the south east quarter of the north east quarter of the section #32, and the north west quarter of the north west quarter of section #33, all in township #6 south of range 44 east of the Willamette meridian, containing one hundred and sixty acres according to the public survey.

This property as described above, was owned by Mrs. Francis Oliver, who submitted to Mr. Raleigh Chadwell, a lease and option, for a period of five years, with an option for an additional two years. This lease and option was made and entered into, the 19th day of April 1945. The option price of this property was set at $ 25,000.00 dollars, and the royalty based at 10% of the net smelter return, applicable to the purchase price. As time has elapsed there has been paid by Mr. R. Chadwell and Associates, approximately $23,000.00 toward said option.

This property was submitted to the corporation by Mr. R. Chadwell at time of incorporation, and at a special meeting of the board of directors on Jan 8th, 1951, Mr. Chadwell stated that he had been approached by Mr. Patterson of the Collins Pondosa Lumber Company, who had offered him $18.00 per thousand board feet, for the timber on this deeded property. It was discussed at this meeting that all timbers, 30 inches and over at the stump could be sold to the Pondosa Lumber Company, excluding all timbers under 30 inches at the stump and all tamarack. The latter being most suitable for mining purposes. From this sale of timber, the Lease and Option price was reduced from $25,000.00 to approximately $2000.00 of which is to be paid off at the rate of 10% royalty upon commencement of production.

Raleigh Chadwell

Sth 699 Baker Oregon

MINING LEASE AND OPTION

(FRANCES OLIVER, ET AL, TO RALEIGH CHADWELL, ET AL.)

THIS AGREEMENT, made and entered into this 19th day of April, 1945, by and between FRANCES OLIVER and ROSE OLIVER, hereinafter referred to as first parties, and RALEIGH CHADWELL, ROBERT CHADWELL, LAROY CHADWELL and M. C. SELLS, hereinafter referred to as second parties, WITNESSETH:

That, whereas, the first parties are the owners of the following described real property, situated in Baker County, State of Oregon, to-wit:

> The north half of the northeast quarter and the southeast quarter of the northeast quarter of Section 32, and the northwest quarter of the northwest quarter of Section 33, all in Township 6 South of Range 44 East of the Willamette Meridian, containing 160 acres, according to the public survey;
>
> Together with all the mines and minerals, gold, silver and other mineral bearing quartz, rock and earth therein and thereunder, whether in place, or otherwise, and together with all the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining or therewith usually had and enjoyed.

And, whereas, the second parties desire to enter into a mining lease for the development and operation of said property and to secure an option to purchase the same upon the terms and conditions, and in the manner, as hereinafter specified.

Now, therefore, in consideration of the premises and of the sum of one dollar to the first parties in hand paid by second parties, this date, the receipt of which is hereby acknowledged, and in further consideration of the covenants and agreements hereinafter set forth by the parties hereto to be kept and performed, it is hereby mutually understood and agreed by and between said parties as follows:

1st - The first parties do hereby give and grant to the second parties the sole and exclusive right, privilege and option to purchase, and hereby promise to sell and convey unto the second parties, subject to the terms and conditions herein set forth, all of

Raleigh & Chadwell
Box 699 Baker Oregon

the above described real premises, together with all the mines and minerals therein or thereunder, the the appurtenances pertaining thereto, for a total purchase price of twenty-five thousand dollars, said purchase price to be paid, if this option is exercised, on or before the expiration of five years from and after the date of this contract, unless the same be extended as hereinafter set forth. The royalties hereinafter provided for shall be applied upon said purchase price, and the second parties shall only be required, if and when the said option is exercised, to pay such balance as then remains unpaid, after crediting previous royalty payments made hereunder. If, at the end of said five year period, this lease is still in good standing and second parties, or their associates or assigns, are still in the possession of said property and engaged in the working or operation of the same pursuant to the terms hereof, and not less than fifteen thousand dollars shall have been paid upon said purchase price, the second parties may, at their election and upon giving notice in writing to the first parties and to the escrow depositary hereinafter mentioned of their desire therefor, claim and secure an extension of two years additional time from and after the expiration of said five year term, and upon the giving of such notice under such conditions, this option will automatically be extended for an additional period of two years, or seven years in all, from and after the date hereof.

2nd - Immediately upon the execution of this agreement, the second parties shall be entitled to enter in and upon the above described real premises and may thereafter remain in possession thereof, so long as this agreement remains in force and throughout any extension of the original term as hereinabove provided, and may, while so in possession of said premises, work, develop, and mine the same, and extract gold, silver and other precious and semi-precious metals and minerals and mineral bearing rock and earth therefrom, in such manner and by such methods as second parties may elect, provided,

Raleigh E Schnedler

By 177 Porter Oregon

however, that all mining operations performed upon said property shall be performed in a good and minerlike manner and in a manner consistent with good and economical mining, with due regard to the development and preservation of said promises as a workable mine, and shall be subject to all of the terms and conditions herein set forth, and to the payment of the royalties hereinafter reserved. The second parties' possession of said premises throughout the term of this lease and until the payment of said purchase price in full shall also be subject to the right of first parties to lease out and retain the income from the grazing privileges upon said lands upon a year to year basis and upon the exercise of this option any lessee of such grazing shall be entitled to remain in possession thereof until the end of the current grazing season.

3rd - With regard to said mining operations, the second parties agree that they will, so far as existing conditions reasonably permit, keep at least two men continually employed in actual mining or development work, or construction or installation of improvements or equipment, upon said property throughout the term of this lease, or any extension thereof, causing to be performed not less than fifty shifts of labor per month (the term shift of labor being construed to mean the labor of one man during a period of eight hours). It is understood and contemplated by the parties, however, that said premises are so situated that during a portion of the year wather conditions and snow, ice and the like, render it impracticable to conduct mining operations or development work thereon, and second parties shall be excused from their obligation to operate the said property continuously during such period as conditions prevail, and second parties shall also be relieved of their obligation to operate said property as above set forth when interrupted by fire, acts of God, governmental orders or other acts

Raleigh E. Strachan
Box 699 Baker - Oregon

of public authority, inability to secure equipment or supplies, or other unforeseen accidents or casualties over which the second parties have no control, and in any of such events such work shall be resumed as soon as the cause of interruption has been or could with the exercise of reasonable diligence be removed by the second parties.

4th - All of the products of said mining property containing mineral values, whether the same be in the form of ore, bullion, concentrates, or otherwise, at the time the same are ready for shipment shall be delivered by the second parties to the First National Bank of Baker, Oregon, for shipment and shall be shipped by and in the name of said Bank to such standard and reputable smelter or other place of sale as the second parties may select, and the returns and settlement sheets from said shipments shall be made payable to said Bank, and the said Bank shall currently, upon receiving returns from each shipment, divide the same by placing five per cent of the net returns therefrom to the credit of Frances Oliver, of first parties, an additional five per cent to the credit of Rose Oliver, of first parties, (or a total royalty of ten per cent,) to be applied upon this contract and credited against the said purchase price, as above set forth, and the balance shall be delivered to the second parties, or their order. The term net returns, as used herein, shall be construed to mean the net amount shown due by the smelter or other place of sale as indicated by said returns or settlement sheets, after deducting railroad freight from Baker, Oregon, to the smelter or other place of sale, and all proper treatment and other charges at the said smelter, or other place of sale, but without any other deductions whatsoever, except severance or production taxes, if any.

5th - Coincidentally with the execution of this agreement, the first parties have executed a good and sufficient warranty deed of

Raleigh E. Thacker
Box 699 Baker Oregon

conveyance running in favor of the second parties, as grantees (in which the husband of the said Rose Oliver of first parties shall join) conveying the above described premises, together with all the mines and mineral rights pertaining thereto, and all the tenements, hereditaments and appurtenances thereunto belonging, to the said second parties, free from all encumbrances and with the usual covenants of warranty. That said deed, together with a copy of this contract, shall be forthwith delivered to and deposited in escrow with The First National Bank of Baker, Oregon, to be held by said Bank as escrow depositary, pursuant to the terms of this contract and delivered over to the second parties, or their assigns, upon full payment of said purchase price of twenty-five thousand dollars, through royalties, or otherwise, at amy time during the life of this option, or any extension thereof, but otherwise, upom any termination or abandonment hereof, to be returned to first parties, their heirs or assigns. The title insurance policy and any other conveyances subsequestly deposited pursuant to the terms hereof shall be held by said escrow depositary under the same conditions as such deed and delivered over or returned in the same manner. The charges of said Bank as escrow depositary shall be paid by the second parties, and the said Bank shall be authorized to deduct from the last payment made hereunder a sum sufficient to cover the cost of revenue stamps required upon said deed under then existing law and affix such stamps to the deed prior to delivery.

6th - The first parties covenent with and warrant to the second parties that they are the owners in fee simple of the said lands and premises covered hereby and of all the mines and minerals therein or thereunder, free from all encumbrances, and are entitled to the possession of the same at this date, and covenant and agree that they will (except as to the grazing rights above mentioned) protect the second parties in the quiet and peaceable enjoyment and

Raleigh E Cloadwell
Box 699 Baker Oregon

possession of all of the said lands and premises covered hereby, and in the mining and operation thereof, in accordance with the terms and conditions hereof, during the life of this agreement.

7th - At such time as fifteen hundred dollars has been paid on the purchase price of said property, the first parties will, at their expense, secure and deliver to the said escrow depositary to be held pursuant to the terms of this contract, a standard policy of title insurance written by the Hartman Abstract Company, or some equally reputable title insurance company, insuring the title to said premises as merchantable, without exceptions, other than the standard printed exceptions contained in such policies. The first parties will also secure and deposit said policy at any prior time upon the request of second parties, who will, in that event, advance the cost of such policy in the first instance and reimburse themselves for the amount so advanced from royalties to accrue thereafter.

8th - In connection with the operation of said property and the royalties to be paid thereon it is understood that the first parties shall be entitled to receive royalties upon all ore removed through the tunnel and other interior workings upon said property or treated at any mill or other treatment plant installed thereon, regardless of whether the said ore shall actually have been taken from the said mining property or not.

9th - The second parties expect shortly to locate a millsite at or near the mouth of the existing tunnel upon or adjacent to the said premises, such millsite when located shall be located in the name of first parties and if, during the life of this contract, the second parties' operations hereunder shall disclose any further and additional mineral ground adjacent to or in the immediate vicinity of the said property covered hereby, which is open to location or adquisition, then it is understood that any such new mineral ground

Raleigh & Chambers
Box 698 Baker Oregon

shall be located and acquired in the name of said first parties and shall be held as a part of the premises covered hereby, subject to all of the rights of the second parties hereunder ofr the working and operation thereof, and to the payment of the same royalties as are above provided, and any such new ground so located hereunder (both mining claims and millsite) shall be covered by supplemental deeds of conveyance to be deposited in escrew in the same manner as to the property above described, which deeds shall be executed and deposited by the first parties at any time upon request, but which deeds shall contain no covenents of warranty or peaceable possession.

10th - All mining operations and development work, and other activities prosecuted upon said property during the life of this contract shall be done and performed at the sole cost and expense of the second parties, and the first parties shall in no event be under any liability or obligations whatsoever to contribute any part thereof.

11th - The second parties covenant and agree to pay and satisfy in full all expenses for labor, materials and supplies, workmen's compensation and unemployment insurance and all other lienable indebtedness which may be incurred in the mining and operation of the said property and in the construction of improvements or the installation of equipment thereon, and further covenant and agree that no liens or charges of any kind or nature shall be permitted to accrue or be filed against the said mining property, or any part thereof, or any of the buildings and improvements annexed thereto, on account of any of the operations, acts or conduct of the second party, and that no liability of any kind or nature shall be permitted to attach to the first parties or the said property of any of the buildings or improvements annexed thereto, on account of any such mining operations, development or construction

Raleigh E Chadwell
Box 699 Baker Oregon

work and second parties covenant and agree to save the first parties and the said mining property and all and every part thereof harmless from any and all liability or expense on account of any such obligations.

12th - At the outset it is understood that all of the work upon said property shall be performed by the said second parties, individually, and if, at any later date, any additional labor is employed by the said second parties, in connection therewith, it is understood that all such workmen shall, before performing any work upon said property, sign waivers in a form approved by first parties, or their counsel, which shall be delivered to the first parties, wherein and whereby all of such workmen shall agree to look solely to the said second parties, or the other person or persons employing them, for their pay and shall waive any rights which they might otherwise have to claim a lien against the said property covered hereby, or any part thereof, or any buildings or improvements thereon, therefor. It is further agreed that all materials and supplies purchased for use upon said property shall so far as reasonably practicable be paid for in cash before being transported thereto, and that all expenses for workmen's compensation, unemployment insurance and any other lienable indebtedness shall be promptly paid at the time the respective accounts fall due and before the same become delinquent.

13th - The first parties shall have and are hereby given a lien against the mining and mill machinery and equipment, tools and supplies of the second parties placed upon or used in the operation of the said property, to insure the compliance by the second parties of their obligations assumed under the provisions of clauses 11th and 12th hereof, and to indemnify the first parties against loss or expense arising through or as a result of second parties' default thereunder, which lien shall arise and attach against all of said machinery and equipment of the second parties as soon as any lien-

Raleigh E Elmendorf
Box 699 Baker Oregon

able indebtedness becomes delinquent and shall continue until such time as all of said lienable indebtedness shall have been satisfied, and any loss, cost or expense to the first parties arising as a result thereof has been paid.

14th - The first parties in person, or through their duly authorized agents and representatives, shall have the right to inspect the said premises covered hereby and the mining operations conducted thereon at all reasonable and seasonable times during the life of this agreement and shall have the right and privilege of being present at any cleanups during mining operations and the said first parties, their agents or representatives, shall have the right to examine the books and records of the said second parties pertaining to the operation of said property, which said books and records, or duplicates thereof, shall be kept and maintained either upon said property or elsewhere in Baker County, The first parties shall further be furnished currently with duplicate copies of all mint, mill or smelter returns and settlement sheets showing shipments of ores, concentrates, gold, silver and other precious and simi-precious metals and minerals from the said property.

15th - All buildings and similar permanent improvements, development work, timbering, tracks, rails, and the like placed or performed upon said premises and property by the second parties during the life of this agreement, shall be deemed and considered as a part of the said leased premises, and shall be and remain a part of the said property and shall be left thereon at the expiration of said term, or any sooner termination or abandonment hereof, but all mining and mill machinery and equipment, tools and supplies, including any ball mill, crushers, classifiers, flotation units, compressors, stopers, drifters, and other mining of milling equipment which may be installed or used upon said property by the second parties, regardless of size, weight or manner of annexation, shall remain the property of the second parties and may be removed by

Raleigh E Chadwell
Box 699 Baker Oregon

them in the event of any abandonment or termination hereof or whenever they desire to so remove the same, so long as they are not in default under the provisions of clauses 11th and 12th hereof, and the lien hereinabove reserved in favor of the first parties has not arisen and attached to the same. The said right to remove equipment shall be suspended in the event such lien shall have attached thereto until such time as the same has been fully satisfied and released.

16th - The first parties will currently pay all general, state and county taxes which may be levied or assessed against said premises during the life hereof based upon the present assessed valuation thereof. Second parties will pay all taxes levied against any improvements, machinery or equipment placed upon said premises by them during the term hereof and if the valuation of the real property should be increased because of the existence of mineral values determined to exist therein, second parties will pay the amount of taxes resulting from such increase over and above the present assessed valuation. If any severance or production tax should hereafter be levied and collected by duly constituted authority from any of the minerals recovered from the said premises during the life hereof, then the second parties, or the said escrow depositary, (whichever shall pay the same) shall be entitled to deduct the amount of such severance taxes from each shipment before computing royalties thereon but no such severance or production taxes so deducted shall be deemed or construed to in any manner reduce the purchase price to be paid to first parties hereunder.

17th - This agreement is an option to purchase merely and second party shall always have the right to surrender the premises and the property covered hereby and be relieved of any further obligations hereunder, notwithstanding that they may have elected to commence mining operations upon said property or have done any other act or acts whatsoever, upon giving ten days prior notice in writing to first parties of their intention so to do, and upon the

Raleigh E. Cardwell
B 4 699 Baker Oregon

giving of said notice and the payment of any accrued royalties to the first parties hereunder and the satisfaction of all indebtedness which might constitute a lien against said property such surrender or termination shall fully release the second parties from all future obligations hereunder but shall not affect any liability already accrued and arising from prior failure of performance.

18th - This agreement shall run to, be binding upon and insure to the benefit of the parties hereto, their heirs, personal representatives and assigns, respectively, but the first parties are entering into this agreement relying upon the experience and responsibility of Raleigh Chadwell of second parties, and it is understood that he shall not assign all of his interest in this lease, or otherwise dispose of the same, so that he no longer has an interest in the venture, without the written consent of the first parties thereto being first had and obtained.

19th - Time is of the essence of this agreement and in the event the second parties, their heirs or assigns, fail, neglect or refuse to keep and perform any of the terms and conditions hereof, on their part to be kept and performed, then the first parties may, at their option, terminate this agreement so far as further or future performance or any rights of the second parties hereunder are concerned, by giving notice in writing or by telegraph to the second parties, specifying such default. Provided that if within ten days after the receipt of such notice in case of default arising through the failure to account for royalties or the filing of a lien or liens upon said property, or within thirty days in the case of any other default, second parties shall remedy or correct such default this agreement shall be reinstated and considered in good standing. However, upon failure to correct the same as hereinabove provided, within said respective periods, this agreement shall then be terminated and at an end so far as further or future performance or any ~~rights~~

Raleigh E Chadwell
Box 699 Baker — Oregon

rights of second parties hereunder are concerned and in the event of such termination all royalties accuring hereunder shall be retained by first parties as liquidated damages and as compensation to first parties for their loss of time and the depletion of the mineral resources in said property arising out of this contract, and the said Bank, as escrow depositary, shall forthwith return the said deed or deeds, and any title insurance policy so deposited in escrow unto first parties, and first parties will be forthwith restored to all their former rights therein and shall be entitled to the immediate possession of said premises; such termination, however, in no manner to release the second parties from their obligation to account for and pay royalties upon all minerals previously removed from said property or to satisfy in full all lienable indebtedness theretofore incurred in the operation thereof, or respond to any other obligation arising through prior failure of performance. In case of such termination the lien hereinabove reserved shall remain in effect until all of such lienable indebtedness is fully paid and satisfied.

20th - After such default and termination of this agreement, the second parties shall have no further rights in or right to the possession of the said premises, or any part thereof, except for the purpose of accomplishing the removal of the movable machinery and equipment as hereinabove set forth, subject to and after the satisfaction of the first parties' lien thereon if such lien shall arise. Upon any termination or abandonment of this agreement, it is understood that the second party shall remove all of such machinery and equipment belonging to them within a period of six months from and after such abandonment or termination and during such period shall have full and free access to the said premises for the period of accomplishing such removal, unless the removal thereof should be suspended through the arising of the lien as above mentioned, in which event the second parties shall have a period of sixty days after

Raleigh E Gladstone
Box 699 Baker Oregon

the removal of such suspension by full satisfaction of said liens within which to complete such removal. In accomplishing such removal the second parties shall do no unnecessary damage to buildings or other improvements of the first parties upon said property and if damage be unavoidably caused shall forthwith restore the premises to as good condition as before.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals in triplicate the day and year first hereinabove written.

_____ (SEAL)

_____ (SEAL)
FIRST PARTIES

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)
SECOND PARTIES

STATE OF OREGON,)
) ss:
County of Baker.)

BE IT REMEMBERED, that on this 19th day of April, 1945, before me, the undersigned, a notary public in and for said County and State, personally appeared the within named Frances Oliver and Rose Oliver, who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and notarial seal the day and year last above written.

My Commission Expires:

_____
Notary Public for Oregon.

Raleigh E Chadwell
Box 699 Baker Oregon

ASSIGNMENT

FOR AND IN CONSIDERATION OF a certain number of shares of the fully paid and non-assessable capital stock of the EAST EAGLE MINING COMPANY, an Oregon Corporation, the receipt of which is hereby acknowledged, individually, we, the undersigned, holders of one MINING LEASE AND OPTION OFcertain described deeded land, which MINING LEASE AND OPTION was obtained from the owners Frances Oliver and Rose Oliver, and executed and signed before a Notary Public on the 19th day of April, 1945, hereby transfer, assign and set over unto the EAST EAGLE MINING COMPANY, above mentioned corporation, all our rights, title and interest in afore mentioned MINING LEASE AND OPTION. Said MINING LEASE AND OPTION is specifically for the north half (N½) of the northeast quarter (NE¼) and the southeast quarter (SE¼) of the northeast quarter(NE¼) of Section 32, and the northwest quarter (NW¼) of the northwest quarter (NW¼) of Section 33, all in Township 6, South of Range 44 East of the Willamette Meridian, and containing one hundred sixty acres (160), according to the public survey of Baker County, State of Oregon.

BE IT KNOWN, that G. R. Holderman, who is a signatory of this document, but, who is not a signatory of the above mentioned MINING LEASE AND OPTION, was granted and assigned equal rights, claims, privileges and benefits with ourselves individually, on August 23rd, 1947, by the holders of said MINING LEASE AND OPTION, Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell; that the afore mentioned grant and assignment was given under our signatures and of our own free will and desire to the said G. R. Holderman for valuable services and assistance rendered to us, by him, from time to time, and that his signature appearing below, transfers, assigns and sets over unto the EAST EAGLE MINING COMPANY all of his rights, title and interests in the afore mentioned MINING LEASE AND OPTION.

TO HAVE AND TO HOLD the same to the EAST EAGLE MINING COMPANY, an Oregon Corporation, its successors and assigns forever.

IN WITNESS WHEREOF, the undersigned have caused their signatures and seals to be affixed this 22nd day of September, 1947.

In the presents of

_____ Raleigh Chadwell

_____ M. C. Sells

Robert Chadwell

LaRoy Chadwell

G. R. Holderman

Subscribed and sworn to before me, a Notary Public in and for the State of Oregon, this _____ Day of September, 1947.

_____
Notary Public in and for the State of Oregon

Raleigh E Chadwell
Box 699 Baker Oregon

STATE OF OREGON,)
) ss:
County of Baker.)

BE IT REMEMBERED, that on this 19th day of April, 1945, before me, the undersigned, a notary public in and for said County and State, personally appeared the within named Raleigh Chadwell, Robert Chadwell, Laroy Chadwell and M. C. Sells, who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and notarial seal the day and year last above written.

Harrold Banta
Notary Public for Oregon

My Commission Expires:
April 16, 1946.

Raleigh E Chadwell

Box 699 Baker Oregon

WHEREAS on April 19th, 1945, FRANCES OLIVER and ROSE OLIVER as First Parties, entered into an agreement with RALEIGH CHADWELL, ROBERT CHADWELL, LAROY CHADWELL, and M. C. SELLS, as Second Parties, leasing certain premises, which said agreement expired in five years (with privileges of a two year extension, providing said option to purchase is exercised within said five year period).

NOW, THEREFORE, IN CONSIDERATION of the amount of work now done, said first parties hereby grant to second parties an extension of said above agreement for the period of two and one half years, that is to say, in all places where said term of five years appears, said contract shall read seven and one half years, but all other terms and provisions shall be and remain as therein set forth.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 8th day of October, 1946.

Witnesses:

Frances Brown

Roscoe Brown

Frances Oliver

Rose Oliver

First Parties.

Raleigh E Chadwell

Robert L. Chadwell

CONSENT TO TRANSFER

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Frances Oliver and Rose Oliver, caused to be executed and signed on April 19th, 1945, one certain MINING LEASE AND OPTION wherein we granted to Raleigh Chadwell, M. C. Sells, Robert Chadwell and Lafoy Chadwell the right to work and purchase the following described real property, towit;

> North half (N½) of the northeast quarter (NE¼) and the southeast quarter (SE¼) of the northeast quarter (NE¼) of Section 32, and the northwest quarter (NW¼) of the northwest quarter (NW¼) of Section 33, all in Township 6 south Range 44 East of Willamette Meridian, in Baker County, State of Oregon, containing 160 acres, according to the public survey.

NOW, THEREFORE, It having been brought to our attention that the afore mentioned Raleigh Chadwell, M. C. Sells, Robert Chadwell and Lafoy Chadwell, together with other associates, have formed a Corporation under the laws of the State of Oregon, and that they desire to transfer their title and interest in said MINING LEASE AND OPTION to the afore mentioned corporation, the EAST EAGLE MINING COMPANY.

IN FURTHERANCE THERETO, We, the issuers of the afore mentioned MINING LEASE AND OPTION, and owners of the above described real property, hereby give our consent and permission to the original recipients of said MINING LEASE AND OPTION to transfer their title and interests, therein, to the EAST EAGLE MINING COMPANY, provided, and with the express understanding that the said EAST EAGLE MINING COMPANY will accept the terms and conditions therein contained and will carry out and fullfill said terms and conditions exactly as the original holders of said MINING LEASE AND OPTION would, or were permitted to do, by said terms and conditions, and that we, the executors of the afore mentioned MINING LEASE AND OPTION, be given a signed statement from the EAST EAGLE MINING COMPANY, officially executed, that the said Company does accept the terms and conditions of said MINING LEASE AND OPTION and will carry out and fullfill those terms exactly as the original holders thereto would do.

IN WITNESS, WHEREOF, We have set our hands and seals, hereto, in triplicate this 22nd day of September, 1947, and in so doing we acknowledge receipt of a statement, officially executed, from the East Eagle Mining Company that it does accept, and will comply, with the terms and conditions as set out in said MINING LEASE AND OPTION.

WITNESS:

Reba Douglas	Frances Oliver
G. R. Holderman	Rose Oliver

Raleigh E Chadwell

Box 699 Baker Oregon

EAST EAGLE MINING COMPANY, INC.,

(Copper and Gold)

EAST EAGLE MINING DISTRICT

PIERCE LEASE AND OPTION

This property also being held by the East Eagle Mining Co., a corporation, by Bond and Lease is known as the Monday, July, Wilson and Apex unpatented quartz mining claim. Legally described as follows:

The Monday, unpatented quartz mining claim, location notice of which is recorded in book 42, at page 388 of the quartz location records of Baker County, Oregon.

The July, unpatented quartz mining claim, location notice ofwhich is recorded in book 42, at page 389 of the quartz location records of Baker County, Oregon.

The Wilson, unpatented quartz mining Claim, location notice of which is recorded in book 42, at page 387 of the quartz location records of Baker County, Oregon.

The Apex, unpatented quartz mining claim, location notice of which is recorded in book 42, at page 387 of the quartz location records of Baker County, Oregon.

All being located and situated in township6, Sections 29 and 32, range 72 East of the Willamette meridian in Baker County, Oregon.

Ralph E. Chadwell

Box 699 Baker Oregon

OLIVER LEASE AND OPTION

Eagle No. 1	Book 46	Page 45
Eagle No. 2	" 46	" 613
Eagle No. 3	" 46	" 615
Tramp	Book 46	Page 300
Y ankee Girl No. 1	Book 44	Page
Yankee Girl No. 2	" 43	" 562
Yankee Girl No. 3	" 44	" 100
Yankee Girl No. 5	" 43	" 562

No weight [illegible]
Box 699 Baker Oregon

CONSENT TO TRANSFER

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, caused to be executed and signed on Arpil 8th, 1947, one certain LEASE AND OPTION wherein we granted to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell the right to work and purchase the following described mining claims;

Monday, July, Wilson and Apex unpatented mining claims, all recorded in Book 42, pages 387, 388 and 389 of the Quartz Location Records of Baker County, Oregon. Said claims being situated in The County of Baker, State of Oregon.

NOW, THEREFORE, It having been brought to our attention that the afore mentioned Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, together with other associates, have formed a Corporation under the laws of the State of Oregon, and that they desire to transfer their title and interests in said LEASE AND OPTION to the afore mentioned Corporation, The EAST EAGLE MINING COMPANY.

IN COMPLIANCE THERETO, We, the issuers of the afore mentioned LEASE AND OPTION and owners of the above mentioned mining claims, hereby, give our consent and permission to the original recipients of said LEASE AND OPTION to transfer their title and interests, therein, to the EAST EAGLE MINING COMPANY, provided, and with the express understanding that the said EAST EAGLE MINING COMPANY accepts the terms and conditions therein contained and will carry out and fullfill said terms and conditions exactly as the original holders of said LEASE AND OPTION would, and were permitted to do, by said terms and conditions, and that we, the executors of the afore mentioned LEASE AND OPTION, be given a signed statement from the EAST EAGLE MINING COMPANY, officially executed, that the said sompany does accept the terms and conditions of said LEASE AND OPTION and will carry out and fullfill those terms exactly as the original holders would do.

IN WILNESS, WHEREOF, We have set our hands and seals hereunto in triplicate this 22nd day of September, 1947, and in so doing we acknowledge receipt of a statement, officially executed, from the EAST EAGLE MINING COMPANY that it does accept, and will comply, with the terms and conditions therein contained, in said LEASE AND OPTION.

WITNESS

G. R. Holderman

G. R. Holderman

W. D. Pierce

R. G. Miles

H. M. Miles

A. D. Sturgill

Raleigh E. Chadwell

Box 477 Baker Oregon

NOTICE OF ACCEPTANCE

The EAST EAGLE MINING COMPANY, a corporation organized under the laws of the State of Oregon, hereby accepts the transfer to it, of one LEASE AND OPTION, hereinafter descreibed, from the holders thereof who are specified in said LEASE AND OPTION as the parties of the Second Part, and by accepting the afore mentioned LEASE AND OPTION the EAST EAGLE MINING COMPANY agrees to abide by and carry out the terms and provisions contained therein exactly as the original holders thereof were permitted to do by its provisions; that, henceforth, the EAST EAGLE MINING COMPANY is to be considered the Party of the Second Part in any and all places so mentioned in said LEASE AND OPTION. NOW, THEREFORE, BE IT KNOWN that the afore mentioned LEASE AND OPTION was granted by the owners of the properties therein mentioned, W. D. Pierce, A. D. Sturgill, R. G. Miles and H. M. Miles, so mentioned, in said LEASE AND OPTION as Parties of the First Part, to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, so Mentioned in said LEASE AND OPTION as Parties of the Second Part, and was executed and signed on the 8th day of April, 1947. Said LEASE AND OPTION was for the MONDAY, JULY, WILSON and APEX, unpatented mining claims, all situated in Baker County, State of Oregon, and are recorded in Book 42, pages 387, 388 and 389 of the Quartz Location Records of Baker County, Oregon.

Dated at Baker, Oregon this 22nd day of September, 1947

EAST EAGLE MINING COMPANY

By G. R. Holderman
Its President

By LaRoy Chadwell
Its Secretary

Raleigh Chadwell
Box 177 Baker Oregon

ASSIGNMENT

FOR AND IN CONSIDERATION OF a certain number of shares of the fully paid and non-assessable capital stock of the EAST EAGLE MINING COMPANY, an Oregon Corporation, the receipt of which is hereby acknowledged, individually, we, the undersigned, holders of oneLEASE AND OPTION of certain described unpatented mining claims, which option was obtained from the owners W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, and executed and signed on the 8th day of April, 1947, hereby transfer, assign and set over unto the EAST EAGLE MINING COMPANY, above mentioned corporation, all our rights, title and interest in afore mentioned LEASE AND OPTION. Said LEASE AND OPTION was and is specifically for the MONDAY, JULY, WILSON and APEX unpatented mining claims. all recorded in Book 42, pages 387, 388 and 389, of the Quartz Location Records of Baker County, State of Oregon, said mining claims be located and situated in Township 6, Sections 29 and 32, East Range 44, Willamette Meridian, Baker County, State of Oregon.

BE IT KNOWN, That G. R. Holderman, who is a signatory of this document, but, who is not a signatory of the above mentioned LEASE AND OPTION, was granted and assigned equal rights, claims, privileges and benefits with ourselves individually, on August 23rd, 1947, by the holders of said LEASE AND OPTION, RALEIGH CHADWELL, M. C. SELLS, ROBERT CHADWELL, and LAROY CHADWELL; that the afore mentioned grant and assignment was given under our signatures and of our own free will and desire to the said G. R. Holderman for valuable services and assistance rendered us from time to time, and that his signature appearing below, transfers, assignes and sets over unto the EAST EAGLE MINING COMPANY ALL OF HIS RIGHTS, TITLE AND INTERESTS IN THE afore mentioned LEASE AND OPTION.

TO HAVE AND TO HOLD the same to the EAST EAGLE MINING COMPANY, an Oregon Corporation, its successors and assigns forever.

IN WITNESS WHEREOF, the undersigned have caused their signatures and seals to be hereto affixed this 22nd day of September, 1947.

In the presents of

_____	Raleigh Chadwell
_____	M. C. Sells
	Robert Chadwell
	LaRoy Chadwell
	G. R. Holderman

Subscribed and sworn to before me, a Notary Public in and for the State of Oregon, this 22nd day of September, 1947.

O. H. P. McCord
Notary Public in and for the
State of Oregon

Raleigh E. Chadwell
Box 699 Baker Oregon

PIERCE LEASE AND OPTION

THIS AGREEMENT made and entered into this 18th day of January, 1951, by and between W. D. PIERCE, R. G. MILES, ELAINE MILES (sole heir at law of H. M. Miles, Deceased), AND A. D. STURGILL, as parties of the first part and hereinafter referred to as first parties, and EAST EAGLE MINING COMPANY, a Corporation, as party of the second part and hereinafter referred to as second party.

W I T N E S S E T H :

WHEREAS, on the 8th day of April, 1947, a certain lease and option was made and entered into by and between W. D. Pierce, R. G. Miles, Hm M. Miles and A. D. Sturgill as parties of the first part, and Raleigh Chadwell, Robert Chadwell, LaRoy Chadwell, and M. C. Sells, as parties of the second part, wherein and whereby a lease and option was given by the said parties of the first part unto said parties of the second part on the MONDAY, JULY, WILSON, and APEX, unpatented quartz mining claims, more particularly described therein, for the term ending April 8, 1952, and,

WHEREAS, the parties of the second part in said lease dated April 8, 1947, having assigned all of their right, title, and interest in and to said lease and option to East Eagle Mining Company, a Corporation, and,

WHEREAS, it is the desire of the parties hereto to extend said lease and option for a period of three years commencing April 8, 1952, and to amend said lease and option as hereinafter set forth, now, therefore,

For and in consideration of One Dollar in hand paid by second party unto first parties, receipt of which is hereby acknowledged by first parties,

It is hereby mutually understood and agreed as follows:

1. That said lease and option dated the 8th day of April,

1947, and more particularly described above is hereby extended for a period of three years commencing April 8, 1952.

2. That during the term of the original lease and option and this extension second party will mine said property to its fullest extent at all times when the weather permits, it being contemplated by the parties hereto that the mining operation on said property will continue constantly except during the winter months when snow prevents the hauling of ore from the mining operations thereon to the mill.

3. That all other covenants and provisions in said lease and option of April 8, 1947, shall be in full force and effect during the terms of this extension as amended herein the same as though fully set out herein.

IN WITNESS WHEREOF, the first parties have hereunto set their hands and seals and East Eagle Mining Company, a Corporation, the said party of the second part has caused its lawful corporate seal to be hereunto affixed and its name to be hereto subscribed by the hands of its president and secretary the day and year first hereinabove written.

W. D. Pierce (SEAL)

R. G. Miles (SEAL)

Elaine Miles (SEAL)

W. D. Sturgill (SEAL)

EAST EAGLE MINING COMPANY, a Corporation

By G. R. Holderman
Its President

By LaRoy L. Chadwell
Its Secretary

STATE OF OREGON

County of Baker, ss.

BE IT REMEMBERED, That on this 31st day of JJanuary, 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named W. D. PIERCE, R. G. MILES and A. D. STURGILL who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal the day and year last above written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
10/1/52

STATE OF OREGON

County of Baker, ss.

BE IT REMEMBERED, That on this 10th day of March, 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named ELAINE MILES who are known to me to be the identical individuals described in and who executed the within enstrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set myhand and official seal the day and year last above written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
10/10/52

STATE OF OREGON)
) ss.
County of BAKER)

On this 31st day of January, 1951, before me appeared G. R. Holderman and La Roy L. Chadwell both to me personally known, who being duly sworn, did say that he, the said G. R. Holderman is the President, and he, the said La Roy L. Chadwell is the Secretary of East Eagle Mining Company, a Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that the said instrument was signed and sealed in behalf of said Corporation by authority of its Board of Directors, and said President and Secretary acknowledged said instrument to be the free act and deed of said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my offical seal this, the day and year first in this, my certificate, written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
October 10, 1952

LEASE AND OPTION

THIS AGREEMENT made and entered into this 8th day of April, 1947, by and between W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, parties of the first part, and Raleigh Chadwell, Robert Chadwell, La Roy Chadwell, and M. C. Sells, parties of the second part.

WITNESSETH That the said parties of the first part, for and in consideration of the royalty rental to be paid by second parties, as hereafter set out, and in consideration of the covenants and agreements on the part of the second parties to be kept and performed all as hereafter set out, have leased and let and by these presents do lease and let unto the second parties, all the following described unpatented quartz mining property, towit:

The MONDAY, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 388 of the Quartz Location Records of Baker County, Oregon.

The JULY, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 389 of the Quartz Location Records of Baker County, Oregon.

The WILSON, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

The APEX, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

All being located and situated in Township 6, Sections 29 and 32, Range 72 East of the Willamette Meridian in Baker County, Oregon.

TO HAVE AND TO HOLD unto the second parties for a period of time beginning April 8, 1947, and ending April 8, 1952.

RESERVING Unto the first parties, their agents, assigns, or legal representatives, the right to enter upon said leased premises, at reasonable time or times, for the purposes of making inspection thereof, or for any other lawful purpose of purposes.

IN CONSIDERATION THEREOF the second parties agree to pay as rental for the use of said mining property ten per cent of all gross returns from sale of ore or concentrates to mint or smelter on ore mined from said mining propprties. Shipments to be made through the First National Bank, of Baker, Oregon, and settlement made by said Bank as each return from shipments is received, such settlements to be 90 per cent of amounts received to second parties, and 10 per cent thereof, to the credit of first parties.

The second parties further agree that they will perform the annual assessment work required by law upon said mining claims and all thereof, annually hereafterbeginning, with the year 1947, and will promptly file proof of labor each year, in the name of the first parties.

The second parties to properly operate said mining property and properly work the same so as to secure the best returns from said mining operations, and will so work and operate said mine during each year and season of this lease, unless prevented by strikes, inability to purchase materials and supplies, or for any other unavoidable circumstances.

The second parties agree to promptly pay and satisfy, in full, all expenses for labor, materials and supplies, or any other indebtedness which may be incurred in mining and operating said mining property, and will, at all times, keep said mining property, and all thereof free and clear of any and all liens and incumbrances.

The second parties have the right to use such timber as may be on said premises for the use and development of said mining property, and for no other purpose.

It is agreed that at the termination of this agreement the second parties have and reserve the right to remove all tools and machinery, from said mining property, but that any and all buildings erected thereon shall remain on said property, and become the property of the first parties.

The second parties agree not to sell or assign this lease, or sub-let said premises or any part thereof, to any other person, firm, company, or corporation, without first obtaining the consent of the first parties thereto, in writing.

The first parties hereby give and grant unto the second parties, the exclusive right and option to purchase said mining property at any time during the term of this lease, for the price and sum of $25,000.00, in cash, and the event the second parties do so exercise said option to purchase, whatever sum or sums has been paid to first parties, as rental royalties hereinabove set out, will be applies on said purchase price.

In case such option to purchase is exercised as aforesaid, the first parties will deliver a good and sufficient deed of conveyance to said mining property, free and clear of all liens and incumbrances whatsoever incurred by first parties or their predecessors in interest.

IT IS UNDERSTOOD AND AGREED that time is of the essence of this agreement, and in case the second parties fail to make said payments of royalties as hereinabove set out, or fail to do and perform their other covenants herein, and each of them (excepting the option to purchase) then the first parties, may, at their option, end, cancel and terminate this agreement, and re-take possession of said mining property and all thereof, with any buildings thereon, and second parties will deliver up said

mining property and all thereof, to first parties, without further notice or court action, without prejudice to first parties to collect from second parties, for any moneys due them, or for any damages against said property by second parties.

It is agreed that all covenants herein, are binding upon the heirs, administrators, executors, and assigns of the parties signing the same.

In Witness whereof we have hereunto set our hands and seals, in triplicate, on the day and year first above written.

M. C. Sells	(SEAL)	W. D. Pierce	(SEAL)
Raleigh Chadwell	(SEAL)	R. G. Miles	(SEAL)
La Roy Chadwell	(SEAL)	H. M. Miles	(SEAL)
Robert Chadwell	(SEAL)	A. D. Sturgill	(SEAL)
First Parties		Second Parties	

NOTICE OF ACCEPTANCE

The EAST EAGLE MINING COMPANY, a corporation organized under the laws of the State of Oregon, hereby accepts the transfer, to it, of one MINING LEASE AND OPTION, hereinafter described, from the holders thereof who are specified in said MINING LEASE AND OPTION as the Parties of the Second Part, and by accepting the afore mentioned MINING LEASE AND OPTION the EAST EAGLE MINING COMPANY agrees to abide by and carry out the terms and provisions contained therein exactly as the original holders thereof were permitted to do by its provisions; that, henceforth, the EAST EAGLE MINING COMPANY is to be considered the Party of the Second Part in any and all places so mentioned in said MINING LEASE AND OPTION.

NOW, THEREFORE, BE IT KNOWN that the afore mentioned MINING LEASE AND OPTION was granted by the owners of the properties therein mentioned, Frances Oliver and Rose Oliver, so mentioned in said MINING LEASE AND OPTION as First Parties, to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, so mentioned in said MINING LEASE AND OPTION as Second Parties, and was executed and signed before a Notary Public in the city of Baker, Oregon, on the 19th day of April, 1945. Said MINING LEASE AND OPTION was for the north half ($N\frac{1}{2}$) of the northeast quarter ($NE\frac{1}{4}$) and the southeast quarter ($SE\frac{1}{4}$) OF THE NORTHEAST QUARTER ($NE\frac{1}{4}$) of Section 32, and the northwest quarter ($NW\frac{1}{4}$) of the northwest ($NW\frac{1}{4}$) of Section 33, all in Township 6, South of Range 44 East of the Willamette Meridian, in Baker County, State of Oregon, containing 160 acres, according to the public survey.

Dated at Baker, Oregon this 22nd day of September, 1947

EAST EAGLE MINING COMPANY

BY G. R. Holderman
Its President

By LaRoy Chadwell
Its Secretary

Raleigh E. Chadwell

Box 177 Baker Oregon

CERTIFICATE

Bonded and authorized by UNITED STATES TREASURY DEPARTMENT, NEW YORK PRODUCE EXCHANGE . . . Members of American Wood Preservers Ass'n., American Council of Commercial Laboratories, American Ass'n. of Cereal Chemists, Assoc. of Consulting Chemists and Chemical Engineers, Inc., American Society for Testing Materials, Am. Inst. Mining & Metallurgical Engrs., Amer. Institute of Chemical Engineers, American Institute of Chemists, American Chemical Society, American Oil Chemists Society, National Safety Council, Institute of Food Technologists, Optical Society of America, Amer. Institute of Physics, Ass'n. of Official Racing Chemists.

LAUCKS LABORATORIES INC.
Established 1908

CHEMISTS • TOXICOLOGISTS • BACTERIOLOGISTS • ASSAYERS • SPECTROGRAPHERS • METALLURGISTS • ENGINEERS • SAMPLERS • INSPECTORS
1008 WESTERN AVE., SEATTLE 4, WASHINGTON

November 16, 1949

Report No. 107596

Mr. Clarence Roenhild
4414 - 46th South
Seattle, Washington

Dear Sir:

We hereby certify that we have made a quantitative spectrographic test and a fire assay of the sample of

ORE

submitted to us by you, and we have to report as follows:

	Estimated Quantities
Silicon calculated as SiO_2	40% to 50%
Iron calculated as Fe_2O_3	20% to 25%
Sulphide Sulphur (S)	Present
Copper (Cu)	16% to 18%

Trace quantities of the following:

Magnesium (Mg)	Nickel (Ni)	Manganese (Mn)
Aluminum (Al)	Cobalt (Co)	Chromium (Cr)
		Calcium (Ca)

The elements shown in the above analysis are present as shown but they may not be recoverable by commercial methods.

Respectfully submitted,

LAUCKS LABORATORIES, INC.

By F. P. Owens
Copy, original signed personally

FPO:jk

MEMBER

THIS REPORT IS SUBMITTED FOR THE EXCLUSIVE USE OF THE PERSON, PARTNERSHIP, OR CORPORATION TO WHOM IT IS ADDRESSED. SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF IN CONNECTION WITH THE ADVERTISING OR SALE OF ANY PRODUCT OR PROCESS WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

EAST EAGLE MINING COMPANY
October 23, 1952

	Sample #	Description	Assay	
10/23/52	105 A	Main tunnel - 6 sets (30') S. #2 raise. 6' channel cut west side	Cu	0.4%
Check sample	105 A	Main tunnel 5 sets (25') south #2 raise. 6' channel west side	Cu	5%
	104 A	Main tunnel 5 sets (25') south #2 raise. 4' channel cut west side	Cu	2%
	103A	Main tunnel 4 sets (20') south #2 raise. 6½' channel cut west side	Cu	1%
XXX	102 A	Main tunnel 10' south #2 raise 8' channel cut west side	Cu	0.5%
XX	101 A	Main tunnel 5' south #2 raise 8' channel cut west side	Cu	2%
X	100 A	Main tunnel at #2 raise 8' channel cut west side	Cu	0.5%
		#2 raise MAIN TUNNEL		
	107 A	Main tunnel 5' north #2 raise 4' channel cut on west side	Cu	0.8%
	108 A	Main tunnel 10' north #2 raise 6' channel cut west side	Cu	2%
	109A	Main tunnel 15' north #2 raise 6' channel cut west side	Cu	1%
	110 A	Main tunnel 35' north #2 raise 5' channel cut west side	Cu	0.5%
	111A	Main tunnel 35' north #2 raise 6' channel cut west side	Cu	0.3%
	112 A	Main tunnel 40' north #2 raise 2½' channel cut west side	Cu	0.75%
	113 A	Main tunnel 45' north #2 raise 4' channel cut west side	Cu	3%
	114A	Main tunnel 115' north #2 raise 1' channel cut west side	Cu	1%
	115 A	Main tunnel 120' north #2 raise at face of drift. 15" channel cut	Cu	3%
	116 A	Main tunnel 125' north #2 raise at face of drift. 15" channel cut	Cu	3%
	#1	Cross cut tunnel west of station	Cu	0.5%
	#3	Main cross cut tunnel west of station 2' channel cut	Cu	0.5%
	#5	Main cross cut tunnel, 3' channel	Cu	Trace
	Drillings	Copper dike	Cu	Nil
		Sample of fall 10/23/52 3' channel	Cu	2½%

Results E. Gilmartell
East Eagle Mining Co.

E K Heldenrand
Assayer

MONDAY MINE

Assays run July 16, 1950

#1	Rock picked from ore pile - last load brought down in spring of 1950	Au 3.72 oz 7.44	Ag 0.52 1.04	$130.40 $260.80
#2	High grade above MONDAY ON surface	Au 3.64 7.28	Ag 0.18 .36	$127.55 255.10
#3	McGee pocket. Sample in sack in Bunk House	Au 0.10 .20	Ag nil	$ 3.50 7.00
#4	Face of drife - lower tunnel	Au 0.04 .08	Ag nil	$ 1.40 2.80
#5	Cut along road - Bobs sample	Au 0.05 .10	Ag nil	$ 1.75 3.50
#6	Raise - lower tunnel	Au 0.04 .08	Ag nil	$ 1.40 2.80
#7	Grey rock - upper tunnel	Assay spoiled		
#8	Brown rock from hole below Zenith	Au 0.12 .24	Ag ----	$ 4.20 8.40
#9	Brown rock - cut around hill from Monday	Au 0.05 .10	Ag ----	$ 1.75 3.50
#10	Dunning sample - Assay spoiled and lost			

E K Holdaman
Assayer

Raleigh E Holdaman
Box 677 Baker Oregon

EAST EAGLE MINING COMPANY

October 25, 1952

Sample No.	Description	Assay
118A	Main tunnel. Face of drift 130' north of #2 raise. 3' channel of ore	Cu 2.5%
4	Zenith vein 10' south of #3 sample taken in open cut	Cu 3%
1	Zenith vein. Sampled at open cut in north end.	Cu 13%
2	Zenith vein. Sample of open cut 20' south of #1 sample	Cu 30%
3	Zenith vein. Sample of open cut 15' south of #2 sample	Cu 20%
5	Zenith vein. Sample of open cut 30' south of #4 sample	Cu 3%
X	Sample of ore in hole under road near Zenith vein (North of Zenith vein)	Cu 10%

S. R. McCadden
Manager

Moleigh & Armstrong

Box 699 Baker Oregon

LIFE HISTORY OF MINING EXPERIENCE OF

RALEIGH CHADWELL

My father, being a miner and prospector, gave me an early start in the field of mining. Between the age of 12 and 18 I spent a great deal of time prospecting with him, learning much about rocks and rock structure as well as vein formations under ground during that time.

After finishing school I went to work for the U. S. Smelting and Mining Company as a mucker in their Rainbow Mine at Baker, Oregon. This was in 1913 and as I wanted to get some practical experience I moved from mine to mine in Oregon, Nevada, Arizona and Idaho for the next two years - even a trip into British Columbia, prospecting. From there I came back to Oregon, working for a time for the Queen of the West Mine and later for the Cornucopia Gold Mines. In 1915 I went to work for the Gold Coin Mine of Durkee, Oregon, and in a short time I was appointed foreman of that operation. When the Gold Coin Mine closed down I went back to the Cornucopia Gold Mines as timberman, working there until the fall of 1917. In 1918 I went to the Couer d'Alenes, of Idaho, working in the Last Chance Mine as mucker and the Bunker Hill and Sullivan as timberman. In 1923 I contracted to drive a cross cut tunnel for the Baisley Elkhorn Mine, completing that tunnel on schedule. In the years following I worked in several mines at various places as mucker, timberman, shift boss, all to gain knowledge of mining in as many phases as possible. In 1929 to late 1930 I worked with Stewart Campbell, E. M., inspecting mines for their potential worth, cutting samples for assay and making reports on such mines inspected. Following this and up to 1934 I worked for the Daddy Lode Mine of Baker, Oregon, as sampler, the Mother Lode Mine as miner, the Whitehead Mine as timberman, the Hiland Mine of Haines, Oregon, miner, the Rainbow Mine of Oregon, timberman, Iron Dike Mine of Homestead as miner and timberman. At Jarbidge, Nevada I worked for the Guggenheim interests as miner and timberman, then back to Oregon to the Regan Mine, where I was manager.

In 1934 I took charge of, as manager and supervisor, a group of mines headed by a Mr. Baker of Winnemucca, Nevada. Baker, Oregon being my home I always headed back to that vicinity, so after leaving Winnemucca I went to work for the Argonot Mine of Sumpter, Oregon, as foreman. I was employed by the Bend Mining Company, Bend, Oregon, as Manager and Supervisor. Under Lease and Bond I worked the Gold Bug Mine of Auburn, Oregon, on my own. I was unable to make this property pay because the vein was too small for sustained mining. From there I went back to the Regan Mine as manager. In 1942 I was working for the Friday Mine, Baker, Oregon, as foreman when I had an offer from the Union Silver Mining Company to take charge of their operations on the headwaters of the Grande Ronde River in Union County, Oregon. After inspecting the property I accepted the offer and worked for them as General Manager from July, 1942, until their operations were closed down in the fall of 1944. During the winter of 1944 I worked for the Bradley Mining Company as foreman. Following this I worked for my own mining interests until September, 1947, when I took over the General Managers position for the East Eagle Mining Company of Baker, Oregon, where I am still in that position.

Raleigh E. Chadwell

Box 699 Baker Oregon

BREAKDOWN COST PER FOOT PER DAY

SALARY:

Mine Superintendant	$500.00 per month	(per shift)	$
Assayer	$350.00 " "	"	
Drillers (Drilling time	$2.00 per hour)	"	
Chuck Tender	$1.75 " "	"	
Mucking Mach. Operator	$1.75 " "	"	
Trammer	$1.50 " "	"	
Timberman	$2.00 " "	"	
Blacksmith	$.75 " "	"	

FUEL CONSUMPTION:

Diesel oil	@ 80¢ per gallon	(8 gallon per shift)
Oil	@ 45¢ Per Quart	(1 quart per shift)

BLASTING MATERIAL:

Powder	$21.90 per hundred lbs.	(69 sticks per shift)
Caps	@ 23¢ each	(15 caps per shift)(Electric caps)
Carbide	$11.40 per hundred lbs.	(1½ lbs. per shift)
Drill Bits	(wear and breakage per shift)	

PER SHIFT TOTAL COST $ 1

10 feet per shift
cost per foot_____

Unforseen costs, rail, pipe ___

TOTAL COST PER FOOT $

Raleigh E. Chadwick
Vice Pres. Defiance Copper

FORM A #60

EAST EAGLE MINING COMPANY

FINANCIAL STATEMENT

DECEMBER 31, 1951

ASSETS:		
Current Assets:		
First National Bank	$ 195.13	
Advance for Expenses	(8.96)-	
Rotary Mills, Inc.	100.00	
Total Current Assets		$ 286.17
Fixed Assets:		
Truck Equipment	$ 4,480.00	
Plant and Equipment	20,565.00	
Office Equipment	670.00	
Tools	2,085.00	
Buildings	34,515.00	
Mineral Claims	98,000.00	
Development Work	96,210.00	
Mill Equipment	44,850.00	
Mill Construction	29,110.00	
Shop Equipment	1,855.00	
Total Fixed Assets		$332,340.00
Prepaid Expenses:		
Prepaid Insurance	$ 210.00	
Total Prepaid Insurance		$ 210.00
Intangible Assets:		
Goodwill	$50,000.00	
Total Intangible Assets		$50,000.00
TOTAL ASSETS		$382,836.17

Ralph H. Etchandy

Box 689 Baker, Oregon

EAST EAGLE MINING COMPANY

Development work from January 1, 1952 to October 20, 1952

Ten days Bulldozer work opening road to mine late in March and early in April $10.00 per hour $ 800.00

Twenty days Bulldozer work at our Monday mine and Zenith mine doing prospecting and Development $10.00 per hour $ 1600.00

Three days Bulldozer work building road towards our Sheeprock mine. $10.00 per hour

Assessment work for two claims $ 240.00

General operating expense of mining, development, repairs of equipment and buildings

Robert Chadwell	wage	$1500.00	
LaRoy Chadwell	"	1500.00	
Raleigh Chadwell	"	1500.00	
Oscar Pierce	"	1300.00	
Eva Pierce (cook)	"	850.00	
G. R. Holderman	"	1200.00	$7,850.00
			$10,490.00

Raleigh Chadwell
Box 699 Vernal Utah

EQUIPMENT COSTS

Power Plant and Switch Boxes	$ 32,549.71
Flotation	2,621.85
Ball Mill	2,500.00
1 - 25 hp Motor	80.00
Allis Chalmers Ore Feeder	310.00
Classifier (Dor Rake Type)	495.00
Amalgamator	601.51
1 - 1hp Electric Motor	76.00
Jig 12X18 Duplex	819.98
Motors:	
1 - 1 1/2hp Wagner - Serial #1475112	89.00
1 - 1hp Glador " #52884	76.00
1 - 3hp Fairbanks Morris #1071174	117.00
1 - 1hp Fairbanks Morris with reducer-#E24005, Model 11E206B6	326.00
1 - 10hp #591534 Fairbanks Morris	263.00
Reagent Feeder:	
1 Model E Serial #567 Clarkston	50.00
1 Lime Feeder- Kansas City Grinder	30.00
Welder (Gas Driven) Hobart Arc Welder #DW11167 40 volt 300 amp -motor Chrysler Industrial type 118-502, serial 3303-42	1000.00
Rails - 3500 #8	350.00
Pipe - 360' - 4"	360.00
400' - 3"	300.00
1000' - 2"	300.00
100' - 1 1/4"	20.00
400' - 1"	72.00
200' - 3/4"	30.00
Buda Diesel	4000.00
Tools	2085.00
D - 6 Diesel Tractor Caterpillar - #25 Cable Control Unit and Kay Brunner Model HB - 40B Trailbuilder	7500.00
Battery Charger - Willard Heavy Duty	63.00
Acetylene - Cutting and welding torches tips, hose, gages	185.00
Tool Sharpener - Gardner Denver Model 3A	250.00
Compressor - Sullivan - Size 12X10 Class W86	1200.00
Cable - 450' - 3/4"	112.50
900' - 1/2"	225.00
800' - 5/8"	200.00
Copper Wire -	
1500' - #10	20.00
3000' - #14	20.00
Fuel Tanks - 1 - 750 Gal. - 1 - 380 Gal	300.00
Drill Machines - Rotator # 91	300.00
TOTAL	$ 59,897 .55

Raleigh E Elmdorff

Box 699 Baker Oregon

INVESTMENTS

LIGHT PLANT:	
Ditch, flume, building, plantdive units	$ 2600.00
WATER SUPPLY TO MILL:	
9000 gal tank, 1400' pipe, dozer work, complete with labor to lay pipe	3800.00
WATER SUPPLY TO CAMP:	
350 gal tank, 650' pipe, tank, Labor and material on installation	720.00
BRIDGE ACROSS RIVER	1000.00
ROADS AVAILABLE FOR GETTING OUT MINING TIMBER	4000.00
BUILDING GRAVEL BUNKER	650.00
TOTAL	$ 12,770.00

Raleigh E. Chadwick

Box 699 Baker Oregon

MILL

POWER PLANT
General Motors Diesel Electric
Engine Model No. 3-268A Serial No. 21445
Distribution switch panel 100KW 450 volts AC 3 phase 60 cycle

SWITCH BOXES - FUSE BOXES
Switch box Style No. 1420570A 7½ hp maximum - Westinghouse
3 - Line starter switch boxes Type M Westinghouse
1 - Starter switch 7½ hp maximum Cutler Hammer
1 - Starter switch Square D type 25hp maximum
1 - Automatic heater switch - compensator Ct No. 4386985
1 - Fuse box Style K62157 220-440 volts Westinghouse
1 - Fuse box Cutler Hammer motor control
5 - Fuse boxes Trumble Electric Mfg. Co. 7½ hp maximum
1 - Fuse box Square D 15 hp 100 amps Cat #46353 Trumble

FLOTATION
Booth Battery of six cells with motors
1 - 2 hp Serial No. 5012)
1 - 2 hp Serial No. 222V28M) Westinghouse
1 - 2 hp Serial No. 522V28M)

BALL MILL
Denver Equipment 50 ton capacity with Clutch
1 - 25 hp motor Serial No. 3K5943.9 Allis Chalmers
Ore feeder Hendy Challenge disc type
Classifier Dore rake type

AMALGAMATOR
Gibson Impact 50 tone capacity with motor drive
1 - 1 hp Serial No. AY15513 General Electric

JIG
Denver Equipment 12X18 Duplex with motor
1 - 3/4 hp Serial No. YB20780 General Electric

MOTORS
1 - 1½ hp Serial No. 1475112 Wagner Electric
1 - 1 hp Serial No. S2884 Glador Electric Co.
1 - 3 hp Serial No. 1071174 Fairbanks Morris Co.
1 - 1 hp Serial No. E24005 Fairbanks Morris Co.
With speed reducer Model #11E206B6 Serial No. 117616
Falk
1 - 10 hp Serial No. 591534 Fairbanks Morris Co.

REAGENT FEEDER
1 - Model E Serial No. 567 Clarkston
1 - Lime feeder Kansas City Grinder Co.

WELDER
1 - Gas driven Hobart arc welder Serial No. DW11167 40 volt
300 amp
Engine Chrysler Industrial type 118-502 Serial No. 3303-42

BATTERY CHARGER - Wilard Heavy duty

ACETYLENE
Cutting and welding torches, tips, hose, gauges and welding rods

TOOL SHARPENER
Gardner-Denver Model 3A

COMPRESSOR
Sullivan Size 12Z[illegible]0 Class WG6
Receiver tank 2' [illegible] X 8'

Raleigh E. Chadwick
Box 177 Baker Oregon

CABLE
450' 3/4" 900' 5/8"

COPPER WIRE
1500' #10 3000' #14

FUEL TANKS
1 - 750 Gallon Capacity
1 - 380 Gallon capacity

DRILL MACHINES
1 - Rotator #91

RAILS
3500' of 8 lb

PIPE
360' 4" 400' 3" 1000' 2" 100' 1¼" 400' 1" 200' 3/4"

BUDA DIESEL

TOOLS

Raleigh Chadwell
Box 699 Baker Oregon

DMEA-2786

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
NOV 13 1952
U. S. G. S.
SPOKANE, WASH.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2786
Metal or Mineral
Date Received 11-25-52
Estimated Cost
Participation (Government %)

NOV 25 1952

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Walter G. & E. Schmidt Ltd. Co. of 699 Baker Oregon
Lessee Pierce & East Eagle Mining Co. Inc.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Oliver Lease and Option.
Pierce Lease and Option.
Legal description contained here-in.

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Purchaser under contract

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it none

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. contained here-in.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—State the mineral or minerals for which you wish to explore Copper.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 3 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☑ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Nov - 6, 1952

Raleigh E. Chadwell
(Applicant)

By George Marshall

information furnished by East Eagle Mining Co.

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

DUM ORDER

Question 1a - Raleigh E. Chadwell, Vice-President
b - East Eagle Mining Company, Incorporated, State of Oregon
c - G. R. Holderman, President, 1515 15th N.E.,
Seattle, Washington
Raleigh E. Chadwell, Vice-President, Box 699,
Baker, Oregon
La Roy Chadwell, Secretary-Treasurer, Box 699,
Baker, Oregon
Robert Chadwell, Director, Box 699, Baker, Oregon
James Anderson, Adv. Comm., Hereford, Oregon
Alfred L. Olson, Adv. Comm., 1419 Church Street,
Baker, Oregon

Raleigh E. Chadwell

Box 699 Baker Oregon

DMEA ORDER

Question 3 - Legal description of Property
a - Oliver Lease and Option

The north half of the northeast quarter and the southeast quarter of the northeast quarter of Section 32, and the northwest quarter of the northwest quarter of Section 33, all in Township 6 South of Range 44 East of the Willamette Meridian, containing 160 acres, according to thepublic survey. } Patented

Eagle No. 1	Book 46	Page 45
Eagle No. 2	" 46	" 613
Eagle No. 3	" 46	" 615
Tramp	Book 46	Page 300
Yankee Girl No. 1	Book 44	Page
Yankee Girl No. 2	" 43	" 562
Yankee Girl No. 3	" 44	" 100
Yankee Girl No. 5	" 43	" 562

All being recorded in the Quartz Location Records of Baker County, State of Oregon and being located and situated in Township 6, Section 29 and 32, Range 72 East of the Willamette Meridian, in Baker County, State of Oregon.

PIERCE LEASE AND OPTION

The MONDAY, also known as the APEX, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 388 of the Quartz Location Records of Baker County, Oregon.

The JULY, also know as the ZENITH, unpatented quarz mining claim, location notice of which is recorded in Book 42, at page 389 of the Quartz Location Records of Baker County, Oregon.

The WILSON, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

The APEX, also known as the MONDAY, unpatented quartz mining claims, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

All being located and situated in Township 6, Sections 29 and 32, Range 72 East of the Willamette Meridian in Baker County, Oregon.

b- East Eagle Mine also known as Old McGee Property,
c- East Eagle Mining Company Incorporated, purchaser under contract
d- Lease and contracts included herein
e- None
f- Unpatented claims herein above mentioned

Raleigh Linscott

Box 699 Baker - Oregon

SEC ORDER

Question 4 a- The Exploration Program of the East Eagle Mining Company Incorporation has consisted of the development as follows: 200 feet of cross cutting in a south-westerly direction toward an existing known ore body of which has yet to be intersected. Thence, 250 feet in a north-westerly direction on a small vein striking north 70° west for a distance of 250 feet with a small cross cut 100 feet southerly of its face in a course south-westerly 40 feet. The work now being conducted is exploration of a vein striking north 2° west and this tunnel at the present time being 300 feet in length drifting on the hanging wall of said vein. At the distance of 300 feet of drifting, strong sheers in the hanging wall have been encountered. At this point the vein changes course to an approximately N 50° W attaining its normal positions as shown on its surface, running in a fair grade of copper ore.

The producing facilities of the East Eagle Mine are as follows: a complete milling plant equipped with jigs, impact amalgamators, and floatation units of a fifty ton per day capacity. Having been installed new in 1951, the mine is also equipped with ore bins, trucks, bull-dozers, compressors, and all equipment necessary for production. The mine workings consist of the East Eagle tunnel, upper McGee tunnel, and the Monday tunnel of which all are accessable for examination excepting the McGee tunnel.

b-The current ore reserves existing at the present time consist practically of, or about, 5,000 tons of developed ore which when analyzed contains approximately an average of 3% copper.

c-The geological features of this property, including mineralization and type of deposit and reasons for exploration with illustrated maps and assay maps and other technical information, contained herein.

d-All but two miles of the roads to said mine are accessable the year round, being controlled by dozing equipment belonging to East Eagle Mining Com any Incorporated. The nearest shipping point is Pondosa, Oregon, Baker County, the distance being approximately 25 miles. Supply and residence point is Baker, Baker, County, State of Oregon at a distance of approximately 52 miles in a north-easterly direction.

e-Contained separately herein.

Raleigh E. Chadwell

Box 699 Baker Oregon

DUNHAM MILES CLAIMS (Au)

East Eagle District
Baker County

Foreword: Two separate groups of claims make up these holdings. These claims have been known by and written up under various names with the result confusions exists concerning them. The 'Dunham Miles' name for the aggregate holdings is used here as it seems to be the most thoroughly established and appropriate. The individual groups are here called the Sheeprock Group and the Monday-July Group. Throughout the following discussion an attempt will be made to clarify the situation by correlating the various names used in the past with those used here.

The Sheep Rock mine was mentioned by Lindgren[1] in his report of 1901. Swartley[2] mentions "the McGee property commonly known as the Sheep Rock" in 1916. Subsequent to this the claims involved, along with others were included in the Woodard Group. The property is thus commonly known locally as part of the Woodard Group. A claim map of the Woodard Group by D. W. C. Nelson shows the Sheeprock claim as situated adjacent to and north of the Woodrow claim as so situated and make no mention for the Sheeprock. The Gilluly, Reed and Park account further states that the Woodrow claim is part of the Dunham Miles Group, Miles having at that time acquired this portion of the Woodard Group.

1 Lindgren - U.S.G.S. Annual Report No. 22, Vol. 2, 1901.
2 Swartley - Mineral Resources of Oregon, Vol. 2, No. 4, 1916.
3 Gilluly, Park and Reed - U.S.G.S. Bull. 846 A, 1933.

Ralph E. Chadwell
Box 699 Baker Oregon

Question # 4c. DMEA.

The Gilluly, Reed and Park report is under the heading "Summit Mining Company" which company at that time had leases on both the Dunham Miles and what remained of the Woodard Group. That the Summit claim was the old Sheeprock is further indicated by a statement in the Gilluly report of a reported production of "$30,000 (made) at a time when most of the claims were controlled by a Mr. McGee." Lingren states that a Mint report for 1892 credits nearly this amount to the Sheeprock Mine, but makes no mention of ownership. As already mentioned, Swartley refers to the Sheep Rock Mine as "the McGee property commonly known as the Sheep Rock." Dogami 14A quotes the Gilluly report on the Summit Mining Company with its account of the Sheep Rock Mine under the name of the Summit Claim, and also quotes the Swartley Handbook of Mines and Prospects lists the Woodard Group as under lease to the East Eagle Mining and Milling Company, and at the same time lists the Woodrow claim and Sheep Rock Mine as separate and distinct properties. Evidently these claims were not then included in the Woodard Group.

The Monday-July Group has been part of both the Dunham Miles and Woodard Groups in the past. As relocated by the present owners, the present group is comprised of the old Zenith and Apex claims of the original Dunham Miles Group as named in the report by Gilluly, Reed and Park. These same claims are shown on the map of the Woodard Group by the same names excepting that the claim positions are reversed as compared to the way they are presented by Gilluly.

Present use of the name "Apex" on the old Sheeprock claim is unfortunate in that it introduces another chance for future confusion in that the name "Apex" has always been identified with the other group heretofore.

Ralph E. Tetrick, Ell
Baker, Oregon

Old Names: From the foregoing it is evident that the Sheeprock, the McGee, the Summit Mining Company, the Woodard Group, the Zenith, the Apex and the Woodrow Claim are all names under which various claims of this group have been written up, or are otherwise known.

Lessee: East Eagle Mining Company, Box 699, Baker, Oregon. This company has a lease and option on the neighboring Oliver Property, and reference is made to a report by that name by N.S.W., December 13, 1947, for additional details regarding this company.

Owners: H. M. and R. G. Miles, A. D. Sturgill, and W. D. Pierce, all of Baker, Oregon.

Location: The Sheeprock Group is located in T 6 S., R. 44 E., Section 29 and the Monday-July Group is located in Section 29 and 32. Reference is made to a claim map accompanying this report.

Sheeprock Group

Area: Two unpatented claims known as the Wilson and Apex. The Wilson is the old Woodard and the Apex includes the workings on the old Sheeprock or Summit although the Claim itself does not correspond to the Old Sheeprock corners. These claims were re-located by the owners July 1, 1947. Access to the group is by pack trail which leaves East Eagle creek at an elevation of about 4,350' and at a point about opposite the Stagg cabins. Elevations on the claims themselves vary greatly. The average is in the neighborhood of 5,500'.

Raleigh E. Cardwell
Box 699 Baker Oregon

Sheeprock Group

History: A Mr. McGee, owner of other claims in this vicinity during the late 1800's, was one of the original owners of these claims. It is generally understood by those informed of local mining history that McGee started the tunnel on the Sheeprock claim and then leased the property to two brothers who completed the tunnel and then carried on an active, if limited, mining operation for an unknown period of time. Sorted highgrade was reportedly packed across the mountains to Union. A gravity tram, the remains of which occur on the hillside between the property and East Eagle Creek is believed to have been erected by these operators. Although the claims have subsequently belonged to the Woodard Group and to the Dunham Miles Group and were under lease at one time to both the East Eagle Mining and Milling Company (Swartley) and to the Summit Mining Company, subsequent development appears to have been limited chiefly to work of assessment calibre.

Sheeprock Group

Development: No new development work has as yet been done by the present lessees on these claims.

Sheeprock Group

Geology: The immediate country rock is a series of greenstones (refer to Ross; Dogami Bull. 3). In such workings as were open for inspection the vein was seen to occur on the contacts of a basalt dike which cut this greenstone. A basalt flow mapped Columbia River (Miocene) covers an extensive plateau area beginning directly above the claims.

Raleigh E. Chandler
Box 499 Baker Oregon

If the basalt dike associated with the veins is a Miocene Columbia River feeder, then the veins are clearly Post Miocene in age.

The southernmost workings of any consequence on the vein is an old cut occurring a short distance above the trail at the point where the trail begins to break over the rim of the valley side (El. 5340'). The cut is now sluffed in and no vein is to be seen, but basalt constitutes the western side of the cut and greenstone the eastern side. Measurements taken on the exposed footwall indicate a vein strike of N 5° W with a dip of 42° to the west. An estimated two tone of vein matter on the dump consists of white quartz spotted with copper and iron stain, and containing occasional fragments showing moderately heavy copper mineralization. A grab sample from this dump (HB 213) assayed 0.42 oz/ton gold and 0.3 oz/ton silver and 5% copper.

From this pit to the north the canyon side is recessed by the head of a sharp draw. The principle Sheeprock workings on the Apex claims are situated beyond this draw on the main valley slope. The trace of the vein from the first exposure to these workings leads far back into the draw. The next principle set of workings consist of a tunnel situated on the south flank of the draw, at an elevation of 5,300'. This would appear to be the workings described by both Swartley and Gilluly under the heading of Woodrow prospect. Access through a caved portal section reveals a tunnel which bears S 5° E for about 60 feet with a swing to S 5° W for an additional 25 feet to the face. The vein, with a greenstone footwall and a basalt hanging wall, dips about 50° to the west. The usual vein width is perhaps 6 inches, but it swells locally to as much as 12 inches and also thins to as little as 2 inches.

Walter E. Schaudell
Box 699 Baker Oregon

No stoping has been done, but a winze of 25 to 30 feet in depth is sunk on the vein at a point just within the portal. Sorted vein quartz is staked to a depth of about 2 feet on a platform about 12 feet square directly in front of the portal. A sample (HB 214) taken from the surface on this pile at about 2 feet intervals assayed 1.08 oz/ton gold and a trace silver and 2% copper.

The next set of workings are situated across the draw (on the north flank) about 200 feet distant to the north. These workings consist of two short parallel tunnels on opposite sides of the basalt dike. The westernmost of these tunnels starts in basalt and trends N 55 W for a distance of about 25 feet to its face. A short distance beyond the portal the basalt-greenstone contact is exposed and a trend of N 8 W is revealed. Two feet of sheared formation containing minor amounts of quartz is to be seen on the roof, but this pinches to essentially nothing in both directions laterally and also before reaching the floor of the drift.

The easternmost tunnel is heavily timbered and partially caved for an estimated 60 feet on a N 5 W trend. From this point on the tunnel continues about 30 feet more on a somewhat more westerly bearing. At this point also a cross-cut penetrates the basalt for 25 feet on a S 85 W bearing and then turns and bears N 20 E for an additional 20 feet. A 1 inch quartz stringer exposed in the main drift at the end of the timbered zone is the only vein to be seen in these workings, and this stringer does not continue to the tunnel face.

As already mentioned, the main Sheeprock workings are caved and grown over as was the case when Gilluly's examination was made (Summit Claim). Swartley's report

therefore remains as the most comprehensive assemblage of data available on the property, and excerpts from this report are offered here.

"Upon the Sheep Rock claim there is a dike of altered igneous rock 30 to 40 feet wide, which strikes N. 40° W. and dips 50° S.W. There is auriferous quartz on both sides of this dike. The veins are from 10 to 18 inches wide and contain from $1 to $3 in gold besides carrying some pyrite and chalcopyrite. The principal veins on this property have a strike from N. 30° to 60° E. and a dip of from 27° to 37° N.W. These veins have gouge and show slicken-sides on both walls."

"According to an engineer's report upon this property from which the above statements are taken, some of these latter veins have widths of 20 to 40 inches and values secured by panning of from $1.40 to $16.80. Considerable development work has been done in previous years but not much has been done recently."

The workings shown to the writer as the principal workings were at an elevation of 5,550'. The cut leading to the portal bears N 50° and is believed to be the underground trend also. According to Chadwell, however, two men who worked in this mine both report that the vein was almost flat with not over a 10° dip to the east, which dip is opposite in direction to those mentioned in the Swartley report. The main tunnel reportedly penetrated the hill for a distance of about 400 feet. At the face the vein is said to have steepened appreciably in dip. A series of closely spaced prospect pits and cuts ascend the hill in a S 80° W direction from the portal to an elevation of 5,660'. While the vein in place was revealed in none of these pits, quartz on the dumps did indicate that they followed the surface exposure of the vein. A grab sample from a pile of sorted quartz at the portal of the main tunnel (HB 215) assayed 0.06 oz/ton in gold and a trace in silver.

From the foregoing it is evident that available information on these workings is meagre and somewhat contradictory.

 Raleigh E. Chandler

Box 699 Baker Oregon

Transit surveying and extensive prospecting will be necessary to re-establish vein attitudes and relationships prevailing here.

Monday-July Group

Area: Two unpatented lode claims known as the Monday and the July. The Monday is the Apex claim shown on the map of the Woodard Group, and the Zenith as written up by Gilluly. The situation is reversed for the July claim which is shown as the Zenith on the Woodard Group map, but written up under the name Apex by Gilluly.

These claims are located on the divide between East Eagle and Bradley Creeks at an elevation of about 5,750'. Access from the Oliver Property on East Eagle Creek is accomplished by pack trail up the mountain side for part of the distance, and without benefit of pack trail for the rest.

Monday-July Group

History: Little is known concerning the history of these claims other than that they belonged at one time to both Woodard and Dunham Miles, and it is believed that the various pits and workings were made chiefly by Miles and lessees.

Monday-July Group

Development: The principal workings consist of an adit on the Monday claim. The caved portal of this drift has been cleaned by the present lessee to a sufficient degree to permit of entry to the adit for examination purposes.

Monday-July Group

Geology: As the July claim was not examined by the writer the Gilluly report on it (under the name Apex) is presented here.

"There are several prospect pits on the claim, the southernmost of which exposes a quartz vein 1 foot thick, which strikes N. 10° E. and dips 25° E. The footwall appears to be a basic dike similar to that on the Midway claim, and the hanging wall is dark-green greenstone. Two quartz stringers, 1 inch to 1½ inches thick, run from the vein into the footwall dike, thus indicating that the dike is older than the vein. However, the stringers may not be of the same age as the main vein, as they are not mineralized. The metallic minerals seen in this pit were chalcopyrite and enargite, with chrysocolla and limonite as oxidation products."

"In another pit on the Apex claim, about 200 feet north of the one above described, a series of small quartz stringers, ranging from the thinness of paper to several inches in thickness is exposed."

The adit on the Monday claim (Gilluly's Zenith) is in a greenstone country rock probably belonging to Ross's Martin Bridge formation. A map of this adit showing the location of samples taken, is included with this report. This adit is 150 feet in length and bears N 72° E. The vein is exposed continuously from the portal to a point within about 30 feet of the face. The dip is very flat, and to the N. NW. The vein is made up of 18 to 38 inches of massive white quartz showing some iron stain and occasional thin streaks of copper stain. Two to 6 inch streaks of green and red gouge occur on both walls, and a heavy maroon-red gouge is to be seen in the hanging wall at the point where the vein is last exposed.

Respectfully submitted

Wm. A. Nelson Engr.

EAST EAGLE MINING COMPANY, INC.,

(Location and Geology)

Located about 15 miles north of Sparta or 45 miles north east of Baker in north west part of township 6 south, Range 44 East, Section 32 and 33, on the west side of the rather steep canyon of East Eagle Creek at an elevation of about 42 hundred feet.

GEOLOGY:

Much of the area south of the Wallowa Range and north of lower Powder River, is covered by recent lava flows. Those areas not so covered are in part granite and in part old sediments and old lavas and volcanics. The steep slopes and high ridges which form the upper drainage area of Eagle Creek, are made up of various sediments and old volcanic flows and breccias in considerable complexity. The lower foothills from a few miles west of Sparta to North Powder, where they are not covered by Columbia bassalt, are seem to be made up almost entirely of green stones.

Much lime stone is found in the upper drainage area of Eagle Creek. This lime stone and the other sediments which are largely Calcareous appear to have once covered much of this region, but now only remnants which have escaped erosion, remain. These lime stones, Sand stones and Argillites have frequently been made Schistose and crystallized by the mountain building forces, which crested the Wallowa Range.

It appears probable that in this localaty as else where in the Wallowa Region, these sediments were laid down upon a wide belt of old lavas and breccias. Volcanic breccia is also frequently interbedded with them. These breccias and old flows have been generally altered and nearest to the Wallowa Granodiorite intrusion have been compressed and altered into dark green and amphibolitic schist.

COPPER OCCURANCES IN OREGON:

In Oregon copper usually occurs associated with gold and silver. Copper-gold ores are found in the Homestead District on the Snake River, occuring as Chalcocit and Chalcopyrite along sheer zones in green stones. Another area is the copper belt of the Lower Powder River, where Chalcopyrite, Chalcocite, and Cuprite are found in bunches, and disseminated through the shattered and sheered green stone.

Some copper prospects are found where mineralization consists mainly of chalcopyrite with other sulphides in contact deposits between granodiorite and lime stone.

The production of copper as of December 31,1937 as given by the United States Bureau of Mines was 23,932,000 pounds.

TAKEN FROM: Oregon Metal Mines Handbook, Bulletin 14A-

Box 677 Baker - Oregon

Question #4c. DMEA

DMEA QUESTION # 4D:

The East Eagle Mine is assessible all the year around, although two miles of road must be maintained opened with bull dozer during heavy snow storms. The latter two miles being private road. the nearest shipping point being Pondoza, at a distance of twenty five miles. Supply and residence points being Baker Oregon, at a distance of fifty two miles, although adequate residenceare availible for help required under exploration at the mine.

DMEA #4 E:

The availability of man power at the present time is favorable in the surrounding areas. Materals and supplies are available at Baker Oregon. Equipment if needed available at Kellogg Idaho. Water power is plentiful as East Eagle River flows through the middle of mill site. Assessibilty to comercial power within two miles. At present time power being furnished by a two hundred KW Diseil plant.

Question #6:

Estimate of cost:

500 feet drifting, raising, and cross cuting at an aprox. cost of $I2,250.00

#6 B:

Consultants Fees: $ 500.00

#6 D:

Equipment to be purchased:

I-----Mucking machine	aprox.	$I900.00
I-----Air Tramer	"	I500.00
I-----Four Wheel Jeep Pick Up	"	2400.00
6-----I Ton Ore Cars	"	I500.00
I-----Rock Drill (complete)	"	II00.00
Laboratory Equipment	"	I500.00

Question 6 F:

One new chemical lab. I2' by I2 ' addition I000.00

Total cost $25,850.00

AGREEMENT OF [illegible]

WE, the undersigned, G. R. HOLDERMAN, RALEIGH E. CHADWELL, ROBERT CHADWELL, LANCY CHADWELL, JAMES ANDERSON, and ALFRED L. OLSON have hereby agreed that RALEIGH E. CHADWELL, Vice-President of the EAST BAGER MINING COMPANY, a corporation, shall have complete supervision of all exploration and development activities on all properties owned or held by [illegible] AND [illegible] of property located by [illegible] MINING COMPANY, INC., until such time as RALEIGH [illegible] supervision shall prove unsatisfactory or a detriment to the corporation.

WE, the above signed; all being members of the above mentioned corporation, in capacity as follows; do hereby agree to this document.

G R Holderman

G. R. Holderman, President
15151-15th N.E. Street,
Seattle, Washington

Raleigh E Chadwell

Raleigh E. Chadwell, Vice-President
Box 699, Baker, Oregon

Lancy Chadwell

Lancy Chadwell, Secretary
Box 699, Baker, Oregon

Robert Chadwell

Robert Chadwell, Director
Box 699, Baker, Oregon

James V. Anderson

James Anderson, Adv. Comm.
Hereford, Oregon

Alfred L. Olson

Alfred L. Olson, Adv. Comm.
1419 Church Street
Baker, Oregon

Dated this ____ day of October, 1952, at Baker, Oregon.

EAST EAGLE MINING COMPANY , INC.,

EAGLE CREEK MINING DISTRICT

(COPPER, GOLD)

OLIVER LEASE AND OPTION

FORWORD:

This property consists of one hundred and sixty acres described legally as follows:

The north half of the north east quarter and the south east quarter of the north east quarter of the section #32, and the north west quarter of the north west quarter of section #33, all in township #6 south of range 44 east of the Willamette meridian, containing one hundred and sixty acres according to the public survey.

This property as described above, was owned by Mrs. Francis Oliver, who submitted to Mr. Raleigh Chadwell, a lease and option, for a period of five years, with an option for an additional two years. This lease and option was made and entered into, the 19th day of April 1945. The option price of this property was set at $ 25,000.00 dollars, and the royalty based at 10% of the net smelter return, applicable to the purchase price. As time has elapsed there has been paid by Mr. R. Chadwell and Associates, approximately $23,000.00 toward said option.

This property was submitted to the corporation by Mr. R. Chadwell at time of incorporation, and at a special meeting of the board of directors on Jan 8th, 1951, Mr. Chadwell stated that he had been approached by Mr. Patterson of the Collins Pondosa Lumber Company, who had offered him $18.00 per thousand board feet, for the timber on this deeded property. It was discussed at this meeting that all timbers, 30 inches and over at the stump could be sold to the Pondosa Lumber Company, excluding all timbers under 30 inches at the stump and all tamarack. The latter being most suitable for mining purposes. From this sale of timber, the Lease and Option price was reduced from $25,000.00 to approximately $2000.00 of which is to be paid off at the rate of 10% royalty upon commencement of production.

Raleigh E. Chadwell

Box 699 Baker Oregon

MINING LEASE AND OPTION

(FRANCES OLIVER, ET AL, TO RALEIGH CHADWELL, ET AL.)

THIS AGREEMENT, made and entered into this 19th day of April, 1945, by and between FRANCES OLIVER and ROSE OLIVER, hereinafter referred to as first parties, and RALEIGH CHADWELL, ROBERT CHADWELL, LARCY CHADWELL and H. C. BELLS, hereinafter referred to as second parties, WITNESSETH:

That, whereas, the first parties are the owners of the following described real property, situated in Baker County, State of Oregon, to-wit:

> The north half of the northeast quarter and the southeast quarter of the northeast quarter of Section 32, and the northwest quarter of the northwest quarter of Section 33, all in Township 6 South of Range 44 East of the Willamette Meridian, containing 160 acres, according to the public survey;
>
> Together with all the mines and minerals, gold, silver and other mineral bearing quartz, rock and earth therein and thereunder, whether in place, or otherwise, and together with all the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining or therewith usually had and enjoyed.

And, whereas, the second parties desire to enter into a mining lease for the development and operation of said property and to secure an option to purchase the same upon the terms and conditions, and in the manner, as hereinafter specified.

Now, therefore, in consideration of the premises and of the sum of one dollar to the first parties in hand paid by second parties, this date, the receipt of which is hereby acknowledged, and in further consideration of the covenants and agreements hereinafter set forth by the parties hereto to be kept and performed, it is hereby mutually understood and agreed by and between said parties as follows:

1st - The first parties do hereby give and grant to the second parties the sole and exclusive right, privilege and option to purchase, and hereby promise to sell and convey unto the second parties, subject to the terms and conditions herein set forth, all of

Raleigh E Chadwell

Box 699 Baker Oregon

the above described real premises, together with all the mines and minerals therein or thereunder, the the appurtenances pertaining thereto, for a total purchase price of twenty-five thousand dollars, said purchase price to be paid, if this option is exercised, on or before the expiration of five years from and after the date of this contract, unless the same be extended as hereinafter set forth. The royalties hereinafter provided for shall be applied upon said purchase price, and the second parties shall only be required, if and when the said option is exercised, to pay such balance as then remains unpaid, after crediting previous royalty payments made hereunder. If, at the end of said five year period, this lease is still in good standing and second parties, or their associates or assigns, are still in the possession of said property and engaged in the working or operation of the same pursuant to the terms hereof, and not less than fifteen thousand dollars shall have been paid upon said purchase price, the second parties may, at their election and upon giving notice in writing to the first parties and to the escrow depositary hereinafter mentioned of their desire therefor, claim and secure an extension of two years additional time from and after the expiration of said five year term, and upon the giving of such notice under such conditions, this option will automatically be extended for an additional period of two years, or seven years in all, from and after the date hereof.

2nd - Immediately upon the execution of this agreement, the second parties shall be entitled to enter in and upon the above described real premises and may thereafter remain in possession thereof, so long as this agreement remains in force and throughout any extension of the original term as hereinabove provided, and may, while so in possession of said premises, work, develop, and mine the same, and extract gold, silver and other precious and semi-precious metals and minerals and mineral bearing rock and earth therefrom, in such manner and by such methods as second parties may elect, provided,

Raleigh E. Chadwell
Box 699 Baker Oregon

however, that all mining operations performed upon said property shall be performed in a good and minerlike manner and in a manner consistent with good and economical mining, with due regard to the development and preservation of said promises as a workable mine, and shall be subject to all of the terms and conditions herein set forth, and to the payment of the royalties hereinafter reserved. The second parties' possession of said premises throughout the term of this lease and until the payment of said purchase price in full shall also be subject to the right of first parties to lease out and retain the income from the grazing privileges upon said lands upon a year to year basis and upon the exercise of this option any lessee of such grazing shall be entitled to remain in possession thereof until the end of the current grazing season.

3rd - With regard to said mining operations, the second parties agree that they will, so far as existing conditions reasonably permit, keep at least two men continually employed in actual mining or development work, or construction or installation of improvements or equipment, upon said property throughout the term of this lease, or any extension thereof, causing to be performed not less than fifty shifts of labor per month (the term shift of labor being construed to mean the labor of one man during a period of eight hours). It is understood and contemplated by the parties, however, that said premises are so situated that during a portion of the year wather conditions and snow, ice and the like, render it impracticable to conduct mining operations or development work thereon, and second parties shall be excused from their obligation to operate the said property continuously during such period as conditions prevail, and second parties shall also be relieved of their obligation to operate said property as above set forth when interrupted by fire, acts of God, governmental orders or other acts

Raleigh & Chandwell

Box 697 Baker Oregon

of public authority, inability to secure equipment or supplies, or other unforeseen accidents or casualties over which the second parties have no control, and in any of such events such work shall be resumed as soon as the cause of interruption has been or could with the exercise of reasonable diligence be removed by the second parties.

4th - All of the products of said mining property containing mineral values, whether the same be in the form of ore, bullion, concentrates, or otherwise, at the time the same are ready for shipment shall be delivered by the second parties to the First National Bank of Baker, Oregon, for shipment and shall be shipped by and in the name of said Bank to such standard and reputable smelter or other place of sale as the second parties may select, and the returns and settlement sheets from said shipments shall be made payable to said Bank, and the said Bank shall currently, upon receiving returns from each shipment, divide the same by placing five per cent of the net returns therefrom to the credit of Frances Oliver, of first parties, an additional five per cent to the credit of Rose Oliver, of first parties, (or a total royalty of ten per cent,) to be applied upon this contract and credited against the said purchase price, as above set forth, and the balance shall be delivered to the second parties, or their order. The term net returns, as used herein, shall be construed to mean the net amount shown due by the smelter or other place of sale as indicated by said returns or settlement sheets, after deducting railroad freight from Baker, Oregon, to the smelter or other place of sale, and all proper treatment and other charges at the said smelter, or other place of sale, but without any other deductions whatsoever, except severance or production taxes, if any.

5th - Coincidentally with the execution of this agreement, the first parties have executed a good and sufficient warranty deed of

Raleigh E. Chadwell
Box 699 Baker Oregon

conveyance running in favor of the second parties, as grantees (in which the husband of the said Rose Oliver of first parties shall join) conveying the above described premises, together with all the mines and mineral rights pertaining thereto, and all the tenements, hereditaments and appurtenances thereunto belonging, to the said second parties, free from all encumbrances and with the usual covenants of warranty. That said deed, together with a copy of this contract, shall be forthwith delivered to and deposited in escrow with The First National Bank of Baker, Oregon, to be held by said Bank as escrow depositary, pursuant to the terms of this contract and delivered over to the second parties, or their assigns, upon full payment of said purchase price of twenty-five thousand dollars, through royalties, or otherwise, at any time during the life of this option, or any extension thereof, but otherwise, upon any termination or abandonment hereof, to be returned to first parties, their heirs or assigns. The title insurance policy and any other conveyances subsequestly deposited pursuant to the terms hereof shall be held by said escrow depositary under the same conditions as such deed and delivered over or returned in the same manner. The charges of said Bank as escrow depositary shall be paid by the second parties, and the said Bank shall be authorized to deduct from the last payment made hereunder a sum sufficient to cover the cost of revenue stamps required upon said deed under then existing law and affix such stamps to the deed prior to delivery.

6th - The first parties covenent with and warrant to the second parties that they are the owners in fee simple of the said lands and premises covered hereby and of all the mines and minerals therein or thereunder, free from all encumbrances, and are entitled to the possession of the same at this date, and covenant and agree that they will (except as to the grazing rights above mentioned) protect the second parties in the quiet and peaceable enjoyment and

Raleigh E. Amedee [illegible]
Box 1099 Baker, Oregon

possession of all of the said lands and premises covered hereby, and in the mining and operation thereof, in accordance with the terms and conditions hereof, during the life of this agreement.

7th - At such time as fifteen hundred dollars has been paid on the purchase price of said property, the first parties will, at their expense, secure and deliver to the said escrow depositary to be held pursuant to the terms of this contract, a standard policy of title insurance written by the Hartman Abstract Company, or some equally reputable title insurance company, insuring the title to said premises as merchantable, without exceptions, other than the standard printed exceptions contained in such policies. The first parties will also secure and deposit said policy at any prior time upon the request of second parties, who will, in that event, advance the cost of such policy in the first instance and reimburse themselves for the amount so advanced from royalties to accrue thereafter.

8th - In connection with the operation of said property and the royalties to be paid thereon it is understood that the first parties shall be entitled to receive royalties upon all ore removed through the tunnel and other interior workings upon said property or treated at any mill or other treatment plant installed thereon, regardless of whether the said ore shall actually have been taken from the said mining property or not.

9th - The second parties expect shortly to locate a millsite at or near the mouth of the existing tunnel upon or adjacent to the said premises, such millsite when located shall be located in the name of first parties and if, during the life of this contract, the second parties' operations hereunder shall disclose any further and additional mineral ground adjacent to or in the immediate vicinity of the said property covered hereby, which is open to location or adquisition, then it is understood that any such new mineral ground

Raleigh E. Calmesville

Box 699 Baker Oregon

shall be located and acquired in the name of said first parties and shall be held as a part of the premises covered hereby, subject to all of the rights of the second parties hereunder ofr the working and operation thereof, and to the payment of the same royalties as are above provided, and any such new ground so located hereunder (both mining claims and millsite) shall be covered by supplemental deeds of conveyance to be deposited in escrow in the same manner as to the property above described, which deeds shall be executed and deposited by the first parties at any time upon request, but which deeds shall contain no covenents of warranty or peaceable possession.

10th - All mining operations and development work, and other activities prosecuted upon said property during the life of this contract shall be done and performed at the sole cost and expense of the second parties, and the first parties shall in no event be under any liability or obligations whatsoever to contribute any part thereof.

11th - The second parties covenant and agree to pay and satisfy in full all expenses for labor, materials and supplies, workmen's compensation and unemployment insurance and all other lienable indebtedness which may be incurred in the mining and operation of the said property and in the construction of improvements or the installation of equipment thereon, and further covenant and agree that no liens or charges of any kind or nature shall be permitted to accrue or be filed against the said mining property, or any part thereof, or any of the buildings and improvements annexed thereto, on account of any of the operations, acts or conduct of the second party, and that no liability of any kind or nature shall be permitted to attach to the first parties or the said property of any of the buildings or improvements annexed thereto, on account of any such mining operations, development or construction

Ralph E Calandrelli
Box 699 Baker Calif.

work and second parties covenant and agree to save the first parties and the said mining property and all and every part thereof harmless from any and all liability or expense on account of any such obligations.

12th - At the outset it is understood that all of the work upon said property shall be performed by the said second parties, individually, and if, at any later date, any additional labor is employed by the said second parties, in connection therewith, it is understood that all such workmen shall, before performing any work upon said property, sign waivers in a form approved by first parties, or their counsel, which shall be delivered to the first parties, wherein and whereby all of such workmen shall agree to look solely to the said second parties, or the other person or persons employing them, for their pay and shall waive any rights which they might otherwise have to claim a lien against the said property covered hereby, or any part thereof, or any buildings or improvements thereon, therefor. It is further agreed that all materials and supplies purchased for use upon said property shall so far as reasonably practicable be paid for in cash before being transported thereto, and that all expenses for workmen's compensation, unemployment insurance and any other lienable indebtedness shall be promptly paid at the time the respective accounts fall due and before the same become delinquent.

13th - The first parties shall have and are hereby given a lien against the mining and mill machinery and equipment, tools and supplies of the second parties placed upon or used in the operation of the said property, to insure the compliance by the second parties of their obligations assumed under the provisions of clauses 11th and 12th hereof, and to indemnify the first parties against loss or expense arising through or as a result of second parties' default thereunder, which lien shall arise and attach against all of said machinery and equipment of the second parties as soon as any lien-

Rubeigh E. Hamilton
Box 177 Butte Oregon

able indebtedness becomes delinquent and shall continue until such time as all of said lienable indebtedness shall have been satisfied, and any loss, cost or expense to the first parties arising as a result thereof has been paid.

14th - The first parties in person, or through their duly authorized agents and representatives, shall have the right to inspect the said premises covered hereby and the mining operations conducted thereon at all reasonable and seasonable times during the life of this agreement and shall have the right and privilege of being present at any cleanups during mining operations and the said first parties, their agents or representatives, shall have the right to examine the books and records of the said second parties pertaining to the operation of said property, which said books and records, or duplicates thereof, shall be kept and maintained either upon said property or elsewhere in Baker County, The first parties shall further be furnished currently with duplicate copies of all mint, mill or smelter returns and settlement sheets showing shipments of ores, concentrates, gold, silver and other precious and simi-precious metals and minerals from the said property.

15th - All buildings and similar permanent improvements, development work, timbering, tracks, rails, and the like placed or performed upon said premises and property by the second parties during the life of this agreement, shall be deemed and considered as a part of the said leased premises, and shall be and remain a part of the said property and shall be left thereon at the expiration of said term, or any sooner termination or abandonment hereof, but all mining and mill machinery and equipment, tools and supplies, including any ball mill, crushers, classifiers, flotation units, compressors, stopers, drifters, and other mining of milling equipment which may be installed or used upon said property by the second parties, regardless of size, weight or manner of annexation, shall remain the property of the second parties and may be removed by

Raleigh E. Chadwell
Box 1611 Baker Oregon

them in the event of any abandonment or termination hereof or whenever they desire to so remove the same, so long as they are not in default under the provisions of clauses 11th and 12th hereof, and the lien hereinabove reserved in favor of the first parties has not arisen and attached to the same. The said right to remove equipment shall be suspended in the event such lien shall have attached thereto until such time as the same has been fully satisfied and released.

16th - The first parties will currently pay all general, state and county taxes which may be levied or assessed against said premises during the life hereof based upon the present assessed valuation thereof. Second parties will pay all taxes levied against any improvements, machinery or equipment placed upon said premises by them during the term hereof and if the valuation of the real property should be increased because of the existence of mineral values determined to exist therein, second parties will pay the amount of taxes resulting from such increase over and above the present assessed valuation. If any severance or production tax should hereafter be levied and collected by duly constituted authority from any of the minerals recovered from the said premises during the life hereof, then the second parties, or the said escrow depositary, (whichever shall pay the same) shall be entitled to deduct the amount of such severance taxes from each shipment before computing royalties thereon but no such severance or production taxes so deducted shall be deemed or construed to in any manner reduce the purchase price to be paid to first parties hereunder.

17th - This agreement is an option to purchase merely and second party shall always have the right to surrender the premises and the property covered hereby and be relieved of any further obligations hereunder, notwithstanding that they may have elected to commence mining operations upon said property or have done any other act or acts whatsoever, upon giving ten days prior notice in writing to first parties of their intention so to do, and upon the

Raleigh E. Tindall
Box 699 Baker Oregon

giving of said notice and the payment of any accrued royalties to the first parties hereunder and the satisfaction of all indebtedness which might constitute a lien against said property such surrender or termination shall fully release the second parties from all future obligations hereunder but shall not affect any liability already accrued and arising from prior failure of performance.

18th - This agreement shall run to, be binding upon and insure to the benefit of the parties hereto, their heirs, personal representatives and assigns, respectively, but the first parties are entering into this agreement relying upon the experience and responsibility of Raleigh Chadwell of second parties, and it is understood that he shall not assign all of his interest in this lease, or otherwise dispose of the same, so that he no longer has an interest in the venture, without the written consent of the first parties thereto being first had and obtained.

19th - Time is of the essence of this agreement and in the event the second parties, their heirs or assigns, fail, neglect or refuse to keep and perform any of the terms and conditions hereof, on their part to be kept and performed, then the first parties may, at their option, terminate this agreement so far as further or future performance or any rights of the second parties hereunder are concerned, by giving notice in writing or by telegraph to the second parties, specifying such default. Provided that if within ten days after the receipt of such notice in case of default arising through the failure to account for royalties or the filing of a lien or liens upon said property, or within thirty days in the case of any other default, second parties shall remedy or correct such default this agreement shall be reinstated and considered in good standing. However, upon failure to correct the same as hereinabove provided, within said respective periods, this agreement shall then be terminated and at an end so far as further or future performance or any rights

Raleigh E Chadwell
Pct 699 Baker Canyon

rights of second parties hereunder are concerned and in the event of such termination all royalties accuring hereunder shall be retained by first parties as liquidated damages and as compensation to first parties for their loss of time and the depletion of the mineral resources in said property arising out of this contract, and the said Bank, as escrow depositary, shall forthwith return the said deed or deeds, and any title insurance policy so deposited in escrow unto first parties, and first parties will be forthwith restored to all their former rights therein and shall be entitled to the immediate possession of said premises; such termination, however, in no manner to release the second parties from their obligation to account for and pay royalties upon all minerals previously removed from said property or to satisfy in full all lienable indebtedness theretofore incurred in the operation thereof, or respond to any other obligation arising through prior failure of performance. In case of such termination the lien hereinabove reserved shall remain in effect until all of such lienable indebtedness is fully paid and satisfied.

20th - After such default and termination of this agreement, the second parties shall have no further rights in or right to the possession of the said premises, or any part thereof, except for the purpose of accomplishing the removal of the movable machinery and equipment as hereinabove set forth, subject to and after the satisfaction of the first parties' lien thereon if such lien shall arise. Upon any termination or abandonment of this agreement, it is understood that the second party shall remove all of such machinery and equipment belonging to them within a period of six months from and after such abandonment or termination and during such period shall have full and free access to the said premises for the period of accomplishing such removal, unless the removal thereof should be suspended through the arising of the lien as above mentioned, in which event the second parties shall have a period of sixty days after

Raleigh E. Schadel
Box 1199 Baker-Eugene

the removal of such suspension by full satisfaction of said liens within which to complete such removal. In accomplishing such removal the second parties shall do no unnecessary damage to buildings or other improvements of the first parties upon said property and if damage be unavoidably caused shall forthwith restore the premises to as good condition as before.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals in triplicate the day and year first hereinabove written.

_____ (SEAL)

_____ (SEAL)
FIRST PARTIES

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)
SECOND PARTIES

STATE OF OREGON,)
) ss:
County of Baker.)

BE IT REMEMBERED, that on this 19th day of April, 1945, before me, the undersigned, a notary public in and for said County and State, personally appeared the within named Frances Oliver and Rose Oliver, who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and notarial seal the day and year last above written.

My Commission Expires: _____
Notary Public for Oregon.

Ralph E. Blackwell
Box 199 Baker Oregon

ASSIGNMENT

FOR AND IN CONSIDERATION OF a certain number of shares of the fully paid and non-assessable capital stock of the EAST EAGLE MINING COMPANY, an Oregon Corporation, the receipt of which is hereby acknowledged, individually, we, the undersigned, holders of one MINING LEASE AND OPTION OFcertain described deeded land, which MINING LEASE AND OPTION was obtained from the owners Frances Oliver and Rose Oliver, and executed and signed before a Notary Public on the 19th day of April, 1945, hereby transfer, assign and set over unto the EAST EAGLE MINING COMPANY, above mentioned corporation, all our rights, title and interest in afore mentioned MINING LEASE AND OPTION. Said MINING LEASE AND OPTION is specifically for the north half (N½) of the northeast quarter (NE¼) and the southeast quarter (SE¼) of the northeast quarter(NE¼) of Section 32, and the northwest quarter (NW¼) of the northwest quarter (NW¼) of Section 33, all in Township 6, South of Range 44 East of the Willamette Meridian, and containing one hundred sixty acres (160), according to the public survey of Baker County, State of Oregon.

BE IT KNOWN, that G. R. Holderman, who is a signatory of this document, but, who is not a signatory of the above mentioned MINING LEASE AND OPTION, was granted and assigned equal rights, claims, privileges and benefits with ourselves individually, on August 23rd, 1947, by the holders of said MINING LEASE AND OPTION, Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell; that the afore mentioned grant and assignment was given under our signatures and of our own free will and desire to the said G. R. Holderman for valuable services and assistance rendered to us, by him, from time to time, and that his signature appearing below, transfers, assigns and sets over unto the EAST EAGLE MINING COMPANY all of his rights, title and interests in the afore mentioned MINING LEASE AND OPTION.

TO HAVE AND TO HOLD the same to the EAST EAGLE MINING COMPANY, an Oregon Corporation, its successors and assigns forever.

IN WITNESS WHEREOF, the undersigned have caused their signatures and seals to be affixed this 22nd day of September, 1947.

In the presents of

_____ Raleigh Chadwell

_____ M. C. Sells

Robert Chadwell

LaRoy Chadwell

G. R. Holderman

Subscribed and sworn to before me, a Notary Public in and for the State of Oregon, this _____ Day of September, 1947.

_____
Notary Public in and for the State of Oregon

Raleigh E Chadwell

Box 677 Baker Oregon

STATE OF OREGON,)
) ss:
County of Baker.)

BE IT REMEMBERED, that on this 19th day of April, 1945, before me, the undersigned, a notary public in and for said County and State, personally appeared the within named Raleigh Chadwell, Robert Chadwell, Laroy Chadwell and M. C. Sells, who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and notarial seal the day and year last above written.

Harrold Banta
Notary Public for Oregon

My Commission Expires:
April 16, 1946.

Raleigh E Chadwell
Box 677 Baker Oregon

WHEREAS on April 19th, 1945, FRANCES OLIVER and ROSE OLIVER as First Parties, entered into an agreement with RALEIGH CHADWELL, ROBERT CHADWELL, LARCY CHADWELL, and M. C. SELLS, as Second Parties, leasing certain premises, which said agreement expired in five years (with privileges of a two year extension, providing said option to purchase is exercised within said five year period).

NOW, THEREFORE, IN CONSIDERATION of the amount of work now done, said first parties hereby grant to second parties an extension of said above agreement for the period of two and one half years, that is to say, in all places where said term of five years appears, said contract shall read seven and one half years, but all other terms and provisions shall be and remain as therein set forth.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 8th day of October, 1946.

Witnesses:

Frances Brown	Frances Oliver
Roscoe Brown	Rose Oliver
	First Parties.

Raleigh E Chadwell
Box 699 Baker - Oregon

CONSENT TO TRANSFER

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Frances Oliver and Rose Oliver, caused to be executed and signed on April 19th, 1945, one certain MINING LEASE AND OPTION wherein we granted to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell the right to work and purchase the following described real property, towit;

North half (N½) of the northeast quarter (NE¼) and the southeast quarter (SE¼) of the northeast quarter (NE¼) of Section 32, and the northwest quarter (NW¼) of the northwest quarter (NW¼) of Section 33, all in Township 6 south Range 44 East of Willamette Meridian, in Baker County, State of Oregon, containing 160 acres, according to the public survey.

NOW, THEREFORE, It having been brought to our attention that the afore mentioned Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, together with other associates, have formed a Corporation under the laws of the State of Oregon, and that they desire to transfer their title and interest in said MINING LEASE AND OPTION to the afore mentioned corporation, the EAST EAGLE MINING COMPANY.

IN FURTHERANCE THERETO, We, the issuers of the afore mentioned MINING LEASE AND OPTION, and owners of the above described real property, hereby give our consent and permission to the original recipients of said MINING LEASE AND OPTION to transfer their title and interests, therein, to the EAST EAGLE MINING COMPANY, provided, and with the express understanding that the said EAST EAGLE MINING COMPANY will accept the terms and conditions therein contained and will carry out and fullfill said terms and conditions exactly as the original holders of said MINING LEASE AND OPTION would, or were permitted to do, by said terms and conditions, and that we, the executors of the afore mentioned MINING LEASE AND OPTION, be given a signed statement from the EAST EAGLE MINING COMPANY, officially executed, that the said Company does accept the terms and conditions of said MINING LEASE AND OPTION and will carry out and fullfill those terms exactly as the original holders thereto would do.

IN WITNESS, WHEREOF, We have set our hands and seals, hereto, in triplicate this 22nd day of September, 1947, and in so doing we acknowledge receipt of a statement, officially executed, from the East Eagle Mining Company that it does accept, and will comply, with the terms and conditions as set out in said MINING LEASE AND OPTION.

WITNESS:

Reba Douglas	Frances Oliver
G. R. Holderman	Rose Oliver

Raleigh E Chadwell
Box 699 Baker Oregon

EAST EAGLE MINING COMPANY, INC.,

(Copper and Gold)

EAST EAGLE MINING DISTRICT

PIERCE LEASE AND OPTION

This property also being held by the East Eagle Mining Co,, a corporation, by Bond and Lease is known as the Monday, July, Wilson and Apex unpatented quartz mining claim. Legally described as follows:

The Monday, unpatented quartz mining claim, location notice of which is recorded in book 42, at page 388 of the quartz location records of Baker County, Oregon.

The July, unpatented quartz mining claim, location notice ofwhich is recorded in book 42, at page 389 of the quartz location records of Baker County, Oregon.

The Wilson, unpatented quartz mining Claim, location notice of which is recorded in book 42, at page 387 of the quartz location records of Baker County, Oregon.

The Apex, unpatented quartz mining claim, location notice of which is recorded in book 42, at page 387 of the quartz location records of Baker County, Oregon.

All being located and situated in township6, Sections 29 and 32, range 72 East of the Willamette meridian in Baker County, Oregon.

Raleigh E. Chadwell

Box 699 Baker Oregon

OLIVER LEASE AND OPTION

Eagle No. 1	Book 46	Page 45
Eagle No. 2	" 46	" 613
Eagle No. 3	" 46	" 615
Tramp	Book 46	Page 300
Y ankee Girl No. 1	Book 44	Page
Yankee Girl No. 2	" 43	" 562
Yankee Girl No. 3	" 44	" 100
Yankee Girl No. 5	" 43	" 562

Rec'd & Endorsed

Bof app Baker & Gross

CONSENT TO TRANSFER

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, caused to be executed and signed on Arpil 8th, 1947, one certain LEASE AND OPTION wherein we granted to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell the right to work and purchase the following described mining claims;

Monday, July, Wilson and Apex unpatented mining claims, all recorded in Book 42, pages 387, 388 and 389 of the Quartz Location Records of Baker County, Oregon. Said claims being situated in The County of Baker, State of Oregon.

NOW, THEREFORE, It having been brought to our attention that the afore mentioned Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, together with other associates, have formed a Corporation under the laws of the State of Oregon, and that they desire to transfer their title and interests in said LEASE AND OPTION to the afore mentioned Corporation, The EAST EAGLE MINING COMPANY.

IN COMPLIANCE THERETO, We, the issuers of the afore mentioned LEASE AND OPTION and owners of the above mentioned mining claims, hereby, give our consent and permission to the original recipients of said LEASE AND OPTION to transfer their title and interests, therein, to the EAST EAGLE MINING COMPANY, provided, and with the express understanding that the said EAST EAGLE MINING COMPANY accepts the terms and conditions therein contained and will carry out and fullfill said terms and conditions exactly as the original holders of said LEASE AND OPTION would, and were permitted to do, by said terms and conditions, and that we, the executors of the afore mentioned LEASE AND OPTION, be given a signed statement from the EAST EAGLE MINING COMPANY, officially executed, that the said sompany does accept the terms and conditions of said LEASE AND OPTION and will carry out and fullfill those terms exactly as the original holders would do.

IN WITNESS, WHEREOF, We have set our hands and seals hereunto in triplicate this 22nd day of September, 1947, and in so doing we acknowledge receipt of a statement, officially executed, from the EAST EAGLE MINING COMPANY that it does accept, and will comply, with the terms and conditions therein contained, in said LEASE AND OPTION.

WITNESS

G. R. Holderman

G. R. Holderman

W. D. Pierce

R. G. Miles

H. M. Miles

A. D. Sturgill

Raleigh E. Chadwell

Box 677 Baker Oregon

NOTICE OF ACCEPTANCE

The EAST EAGLE MINING COMPANY, a corporation organized under the laws of the State of Oregon, hereby accepts the transfer to it, of one LEASE AND OPTION, hereinafter descreibed, from the holders thereof who are specified in said LEASE AND OPTION as the parties of the Second Part, and by accepting the afore mentioned LEASE AND OPTION the EAST EAGLE MINING COMPANY agrees to abide by and carry out the terms and provisions contained therein exactly as the original holders thereof were permitted to do by its provisions; that, henceforth, the EAST EAGLE MINING COMPANY is to be considered the Party of the Second Part in any and all places so mentioned in said LEASE AND OPTION. NOW, THEREFORE, BE IT KNOWN that the afore mentioned LEASE AND OPTION was granted by the owners of the properties therein mentioned, W. D. Pierce, A. D. Sturgill, R. G. Miles and H. M. Miles, so mentioned, in said LEASE AND OPTION as Parties of the First Part, to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, so Mentioned in said LEASE AND OPTION as Parties of the Second Part, and was executed and signed on the 8th day of April, 1947. Said LEASE AND OPTION was for the MONDAY, JULY, WILSON and APEX, unpatented mining claims, all situated in Baker County, State of Oregon, and are recorded in Book 42, pages 387, 388 and 389 of the Quartz Location Records of Baker County, Oregon.

Dated at Baker, Oregon this 22nd day of September, 1947

EAST EAGLE MINING COMPANY

By G. R. Holderman
Its President

By LaRoy Chadwell
Its Secretary

Recorded & Returned
Box 699 Baker Oregon

ASSIGNMENT

NOW AND IN CONSIDERATION OF a certain number of shares of the fully paid and non-assessable capital stock of the EAST EAGLE MINING COMPANY, an Oregon Corporation, the receipt of which is hereby acknowledged, individually, we, the undersigned, holders of oneLEASE AND OPTION of certain described unpatented mining claims, which option was obtained from the owners W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, and executed and signed on the 8th day of April, 1947, hereby transfer, assign and set over unto the EAST EAGLE MINING COMPANY, above mentioned corporation, all our rights, title and interest in afore mentioned LEASE AND OPTION. Said LEASE AND OPTION was and is specifically for the MONDAY, JULY, WILSON and APEX unpatented mining claims. all recorded in Book 42, pages 387, 388 and 389, of the Quartz Location Records of Baker County, State of Oregon, said mining claims be located and situated in Township 6, Sections 29 and 32, East Range 44, Willamette Meridian, Baker County, State of Oregon.

BE IT KNOWN, That G. R. Holderman, who is a signatory of this document, but, who is not a signatory of the above mentioned LEASE AND OPTION, was granted and assigned equal rights, claims, privileges and benefits with ourselves individually, on August 23rd, 1947, by the holders of said LEASE AND OPTION, RALEIGH CHADWELL, M. C. SELLS, ROBERT CHADWELL, and LAROY CHADWELL; that the afore mentioned grant and assignment was given under our signatures and of our own free will and desire to the said G. R. Holderman for valuable services and assistance rendered us from time to time, and that his signature appearing below, transfers, assignes and sets over unto the EAST EAGLE MINING COMPANY ALL OF HIS RIGHTS, TITLE AND INTERESTS IN THE afore mentioned LEASE AND OPTION.

TO HAVE AND TO HOLD the same to the EAST EAGLE MINING COMPANY, an Oregon Corporation, its successors and assigns forever.

IN WITNESS WHEREOF, the undersigned have caused their signatures and seals to be hereto affixed this 22nd day of September, 1947.

In the presents of

_____	Raleigh Chadwell
_____	M. C. Sells
	Robert Chadwell
	LaRoy Chadwell
	G. R. Holderman

Subscribed and sworn to before me, a Notary Public in and for the State of Oregon, this 22nd day of September, 1947.

O. E. P. McCord
Notary Public in and for the
State of Oregon

Raleigh E. Chadwell
Box 677 Baker Oregon

PIERCE LEASE AND OPTION

THIS AGREEMENT made and entered into this 18th day of January, 1951, by and between W. D. PIERCE, R. G. MILES, ELAINE MILES (sole heir at law of H. M. Miles, Deceased), AND A. D. STURGILL, as parties of the first part and hereinafter referred to as first parties, and EAST EAGLE MINING COMPANY, a Corporation, as party of the second part and hereinafter referred to as second party.

W I T N E S S E T H :

WHEREAS, on the 8th day of April, 1947, a certain lease and option was made and entered into by and between W. D. Pierce, R. G. Miles, Hm M. Miles and A. D. Sturgill as parties of the first part, and Raleigh Chadwell, Robert Chadwell, LaRoy Chadwell, and M. C. Sells, as parties of the second part, wherein and whereby a lease and option was given by the said parties of the first part unto said parties of the second part on the MONDAY, JULY, WILSON, and APEX, unpatented quartz mining claims, more particularly described therein, for the term ending April 8, 1952, and,

WHEREAS, the parties of the second part in said lease dated April 8, 1947, having assigned all of their right, title, and interest in and to said lease and option to East Eagle Mining Company, a Corporation, and,

WHEREAS, it is the desire of the parties hereto to extend said lease and option for a period of three years commencing April 8, 1952, and to amend said lease and option as hereinafter set forth, now, therefore,

For and in consideration of One Dollar in hand paid by second party unto first parties, receipt of which is hereby acknowledged by first parties,

It is hereby mutually understood and agreed as follows:

1. That said lease and option dated the 8th day of April,

1947, and more particularly described above is hereby extended for a period of three years commencing April 8, 1952.

2. That during the term of the original lease and option and this extension second party will mine said property to its fullest extent at all times when the weather permits, it being contemplated by the parties hereto that the mining operation on said property will continue constantly except during the winter months when snow prevents the hauling of ore from the mining operations thereon to the mill.

3. That all other covenants and provisions in said lease and option of April 8, 1947, shall be in full force and effect during the terms of this extension as amended herein the same as though fully set out herein.

IN WITNESS WHEREOF, the first parties have hereunto set their hands and seals and East Eagle Mining Company, a Corporation, the said party of the second part has caused its lawful corporate seal to be hereunto affixed and its name to be hereto subscribed by the hands of its president and secretary the day and year first hereinabove written.

W. D. Pierce (SEAL)

R. G. Miles (SEAL)

Elaine Miles (SEAL)

W. D. Sturgill (SEAL)

EAST EAGLE MINING COMPANY, a Corporation

By G. R. Holderman
Its President

By LaRoy L. Chadwell
Its Secretary

STATE OF OREGON

County of Baker, ss.

BE IT REMEMBERED, That on this 31st day ofJJanuary, 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named W. D. PIERCE, R. G. MILES and A. D. STURGILL who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal the day and year last above written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
10/1/52

STATE OF OREGON

County of Baker, ss.

BE IT REMEMBERED, That on this 10th day of March, 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named ELAINE MILES who are known to me to be the identical individuals described in and who executed the within enstrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set myhand and official seal the day and year last above written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
10/10/52

STATE OF OREGON)
) ss.
County of BAKER)

On this 31st day of January, 1951, before me appeared G. R. Holderman and La Roy L. Chadwell both to me personally known, who being duly sworn, did say that he, the said G. R. Holderman is the President, and he, the said La Roy L. Chadwell is the Secretary of East Eagle Mining Company, a Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that the said instrument was signed and sealed in behalf of said Corporation by authority of its Board of Directors, and said President and Secretary acknowledged said instrument to be the free act and deed of said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my offical seal this, the day and year first in this, my certificate, written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
October 10, 1952

LEASE AND OPTION

THIS AGREEMENT made and entered into this 8th day of April, 1947, by and between W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, parties of the first part, and Raleigh Chadwell, Robert Chadwell, La Roy Chadwell, and M. C. Sells, parties of the second part.

WITNESSETH That the said parties of the first part, for and in consideration of the royalty rental to be paid by second parties, as hereafter set out, and in consideration of the covenants and agreements on the part of the second parties to be kept and performed all as hereafter set out, have leased and let and by these presents do lease and let unto the second parties, all the following described unpatented quartz mining property, towit:

The MONDAY, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 388 of the Quartz Location Records of Baker County, Oregon.

The JULY, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 389 of the Quartz Location Records of Baker County, Oregon.

The WILSON, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

The APEX, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

All being located and situated in Township 6, Sections 29 and 32, Range 72 East of the Willamette Meridian in Baker County, Oregon.

TO HAVE AND TO HOLD unto the second parties for a period of time beginning April 8, 1947, and ending April 8, 1952.

RESERVING Unto the first parties, their agents, assigns, or legal representatives, the right to enter upon said leased premises, at reasonable time or times, for the purposes of making inspection thereof, or for any other lawful purpose of purposes.

IN CONSIDERATION THEREOF the second parties agree to pay as rental for the use of said mining property ten per cent of all gross returns from sale of ore or concentrates to mint or smelter on ore mined from said mining propprties. Shipments to be made through the First National Bank, of Baker, Oregon, and settlement made by said Bank as each return from shipments is received, such settlements to be 90 per cent of amounts received to second parties, and 10 per cent thereof, to the credit of first parties.

The second parties further agree that they will perform the annual assessment work required by law upon said mining claims and all thereof, annually hereafterbeginning, with the year 1947, and will promptly file proof of labor each year, in the name of the first parties.

The second parties to properly operate said mining property and properly work the same so as to secure the best returns from said mining operations, and will so work and operate said mine during each year and season of this lease, unless prevented by strikes, inability to purchase materials and supplies, or for any other unavoidable circumstances.

The second parties agree to promptly pay and satisfy, in full, all expenses for labor, materials and supplies, or any other indebtedness which may be incurred in mining and operating said mining property, and will, at all times, keep said mining property, and all thereof free and clear of any and all liens and incumbrances.

The second parties have the right to use such timber as may be on said premises for the use and development of said mining property, and for no other purpose.

It is agreed that at the termination of this agreement the second parties have and reserve the right to remove all tools and machinery from said mining property, but that any and all buildings erected thereon shall remain on said property, and become the property of the first parties.

The second parties agree not to sell or assign this lease, or sub-let said premises or any part thereof, to any other person, firm, company, or corporation, without first obtaining the consent of the first parties thereto, in writing.

The first parties hereby give and grant unto the second parties, the exclusive right and option to purchase said mining property at any time during the term of this lease, for the price and sum of $25,000.00, in cash, and the event the second parties do so exercise said option to purchase, whatever sum or sums has been paid to first parties, as rental royalties hereinabove set out, will be applies on said purchase price.

In case such option to purchase is exercised as aforesaid, the first parties will deliver a good and sufficient deed of conveyance to said mining property, free and clear of all liens and incumbrances whatsoever incurred by first parties or their predecessors in interest.

IT IS UNDERSTOOD AND AGREED that time is of the essence of this agreement, and in case the second parties fail to make said payments of royalties as hereinabove set out, or fail to do and perform their other covenants herein, and each of them (excepting the option to purchase) then the first parties, may, at their option, end, cancel and terminate this agreement, and re-take possession of said mining property and all thereof, with any buildings thereon, and second parties will deliver up said

mining property and all thereof, to first parties, without further notice or court action, without prejudice to first parties to collect from second parties, for any moneys due them, or for any damages against said property by second parties.

It is agreed that all covenants herein, are binding upon the heirs, administrators, executors, and assigns of the parties signing the same.

In Witness whereof we have hereunto set our hands and seals, in triplicate, on the day and year first above written.

M. C. Sells	(SEAL)	W. D. Pierce	(SEAL)
Raleigh Chadwell	(SEAL)	R. G. Miles	(SEAL)
La Roy Chadwell	(SEAL)	H. M. Miles	(SEAL)
Robert Chadwell	(SEAL)	A. D. Sturgill	(SEAL)
First Parties		Second Parties	

NOTICE OF ACCEPTANCE

The EAST EAGLE MINING COMPANY, a corporation organized under the laws of the State of Oregon, hereby accepts the transfer, to it, of one MINING LEASE AND OPTION, hereinafter described, from the holders thereof who are specified in said MINING LEASE AND OPTION as the Parties of the Second Part, and by accepting the afore mentioned MINING LEASE AND OPTION the EAST EAGLE MINING COMPANY agrees to abide by and carry out the terms and provisions contained therein exactly as the original holders thereof were permitted to do by its provisions; that, henceforth, the EAST EAGLE MINING COMPANY is to be considered the Party of the Second Part in any and all places so mentioned in said MINING LEASE AND OPTION.

NOW, THEREFORE, BE IT KNOWN that the afore mentioned MINING LEASE AND OPTION was granted by the owners of the properties therein mentioned, Frances Oliver and Rose Oliver, so mentioned in said MINING LEASE AND OPTION as First Parties, to Raleigh Chadwell, M. C. Bells, Robert Chadwell and LaRoy Chadwell, so mentioned in said MINING LEASE AND OPTION as Second Parties, and was executed and signed before a Notary Public in the city of Baker, Oregon, on the 19th day of April, 1945. Said MINING LEASE AND OPTION was for the north half (N½) of the northeast quarter (NE¼) and the southeast quarter (SE¼) OF THE NORTHEAST QUARTER (NE¼) of Section 32, and the northwest quarter (NW¼) of the northwest (NW¼) of Section 33, all in Township 6, South of Range 44 East of the Willamette Meridian, in Baker County, State of Oregon, containing 160 acres, according to the public survey.

Dated at Baker, Oregon this 22nd day of September, 1947

EAST EAGLE MINING COMPANY

BY G. R. Holderman
Its President

By LaRoy Chadwell
Its Secretary

Raleigh E Chadwell

Box 699 Baker Oregon

CERTIFICATE

Bonded and authorized by UNITED STATES TREASURY DEPARTMENT, NEW YORK PRODUCE EXCHANGE . . . Members of American Wood Preservers Ass'n., American Council of Commercial Laboratories, American Ass'n. of Cereal Chemists, Assoc. of Consulting Chemists and Chemical Engineers, Inc., American Society for Testing Materials, Am. Inst. Mining & Metallurgical Engrs., Amer. Institute of Chemical Engineers, American Institute of Chemists, American Chemical Society, American Oil Chemists Society, National Safety Council, Institute of Food Technologists, Optical Society of America, Amer. Institute of Physics, Ass'n. of Official Racing Chemists.

LAUCKS LABORATORIES INC.
Established 1908

CHEMISTS • TOXICOLOGISTS • BACTERIOLOGISTS • ASSAYERS • SPECTROGRAPHERS • METALLURGISTS • ENGINEERS • SAMPLERS • INSPECTORS

1008 WESTERN AVE., SEATTLE 4, WASHINGTON

November 16, 1949

Report No. 107586

Mr. Clarence Roenhild
4414 - 46th South
Seattle, Washington

Dear Sir:

We hereby certify that we have made a quantitative spectrographic test and a fire assay of the sample of

ORE

submitted to us by you, and we have to report as follows:

	Estimated Quantities
Silicon calculated as SiO_2	40% to 50%
Iron calculated as Fe_2O_3	20% to 25%
Sulphide Sulphur (S)	Present
Copper (Cu)	16% to 18%

Trace quantities of the following:

Magnesium (Mg)	Nickel (Ni)	Manganese (Mn)
Aluminum (Al)	Cobalt (Co)	Chromium (Cr)
		Calcium (Ca)

The elements shown in the above analysis are present as shown but they may not be recoverable by commercial methods.

Respectfully submitted,

LAUCKS LABORATORIES, INC.

By F. P. Owens
Cons. original signed personally

FPO:jk

MEMBER

THIS REPORT IS SUBMITTED FOR THE EXCLUSIVE USE OF THE PERSON, PARTNERSHIP, OR CORPORATION TO WHOM IT IS ADDRESSED. SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF IN CONNECTION WITH THE ADVERTISING OR SALE OF ANY PRODUCT OR PROCESS WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

EAST EAGLE MINING COMPANY
October 23, 1952

	Sample #	Description	Assay	
10/23/52	105 A	Main tunnel - 6 sets (30') S. #2 raise. 6' channel cut west side	Cu	0.4%
Check sample	105 A	Main tunnel 5 sets (25') south #2 raise. 6' channel west side	Cu	5%
	104 A	Main tunnel 5 sets (25') south #2 raise. 4' channel cut west side	Cu	2%
	103A	Main tunnel 4 sets (20') south #2 raise. 6½' channel cut west side	Cu	1%
XXX	102 A	Main tunnel 10' south #2 raise 6' channel cut west side	Cu	0.5%
XX	101 A	Main tunnel 5' south #2 raise 6' channel cut west side	Cu	2%
X	100 A	Main tunnel at #2 raise 8' channel cut west side	Cu	0.5%
		#2 raise MAIN TUNNEL		
	107 A	Main tunnel 5' north #2 raise 4' channel cut on west side	Cu	0.8%
	108 A	Main tunnel 10' north #2 raise 6' channel cut west side	Cu	2%
	109A	Main tunnel 15' north #2 raise 6' channel cut west side	Cu	1%
	110 A	Main tunnel 35' north #2 raise 5' channel cut west side	Cu	0.5%
	111A	Main tunnel 35' north #2 raise 6' channel cut west side	Cu	0.3%
	112 A	Main tunnel 40' north #2 raise 2½' channel cut west side	Cu	0.75%
	113 A	Main tunnel 45' north #2 raise 4' channel cut west side	Cu	3%
	114A	Main tunnel 115' north #2 raise 1' channel cut west side	Cu	1%
	115 A	Main tunnel 120' north #2 raise at face of drift. 15" channel cut	Cu	3%
	116 A	Main tunnel 125' north #2 raise at face of drift. 15" channel cut	Cu	3%
	#1	Cross cut tunnel west of station	Cu	0.5%
	#3	Main cross cut tunnel west of station 2' channel cut	Cu	0.5%
	#5	Main cross cut tunnel, 3' channel	Cu	Trace
	Drillings	Copper dike	Cu	Nil
		Sample of fall 10/23/52 3' channel	Cu	2½%

Assayed 3 times Wednesday Oct 22 - Copper

J. K. Helderman
Chemist

MONDAY MINE

Assays run July 16, 1950

#1	Rock picked from ore pile - last load brought down in spring of 1950	Au 3.72 oz 7.44	Ag 0.52 1.04	$130.40 $260.80
#2	High grade above MONDAY ON surface	Au 3.64 7.28	Ag 0.18 .36	$127.55 255.10
#3	McGee pocket. Sample in sack in Bunk House	Au 0.10 .20	Ag nil	$ 3.50 7.00
#4	Face of drife - lower tunnel	Au 0.04 .08	Ag nil	$ 1.40 2.80
#5	Cut along road - Bobs sample	Au 0.05 .10	Ag nil	$ 1.75 3.50
#6	Raise - lower tunnel	Au 0.04 .08	Ag nil	$ 1.40 2.80
#7	Grey rock - upper tunnel	Assay spoiled		
#8	Brown rock from hole below Zenith	Au 0.12 .24	Ag ----	$ 4.20 8.40
#9	Brown rock - cut around hill from Monday	Au 0.05 .10	Ag ----	$ 1.75 3.50
#10	Dunning sample - Assay spoiled and lost			

Esther Norman
assayer

Ralph E Todd
Box 177 Baker Oregon

EAST EAGLE MINING COMPANY

October 25, 1952

Sample No.	Description	Assay
118A	Main tunnel. Face of drift 130' north of #2 raise. 3' channel of ore	Cu 2.5%
4	Zenith vein 10' south of #3 sample taken in open cut	Cu 3%
1	Zenith vein. Sampled at open cut in north end.	Cu 13%
2	Zenith vein. Sample of open cut 20' south of #1 sample	Cu 30%
3	Zenith vein. Sample of open cut 15' south of #2 sample	Cu 20%
5	Zenith vein. Sample of open cut 30' south of #4 sample	Cu 3%
X	Sample of ore in hole under road near Zenith vein (North of Zenith vein)	Cu 10%

G R Holdaman
Manager

Raleigh E Chandler
Box 699 Baker Oregon

LIFE HISTORY OF MINING EXPERIENCE OF

RALEIGH CHADWELL

My father, being a miner and prospector, gave me an early start in the field of mining. Between the age of 12 and 18 I spent a great deal of time prospecting with him, learning much about rocks and rock structure as well as vein formations under ground during that time.

After finishing school I went to work for the U. S. Smelting and Mining Company as a mucker in their Rainbow Mine at Baker, Oregon. This was in 1913 and as I wanted to get some practical experience I moved from mine to mine in Oregon, Nevada, Arizona and Idaho for the next two years - even a trip into British Columbia, prospecting. From there I came back to Oregon, working for a time for the Queen of the West mine and later for the Cornucopia Gold Mines. In 1915 I went to work for the Gold Coin Mine of Durkee, Oregon, and in a short time I was appointed foreman of that operation. When the Gold Coin Mine closed down I went back to the Cornucopia Gold Mines as timberman, working there until the fall of 1917. In 1918 I went to the Couer d'Alenes, of Idaho, working in the Last Chance Mine as mucker and the Bunker Hill and Sullivan as timberman. In 1923 I contracted to drive a cross cut tunnel for the Baisley Elkhorn Mine, completing that tunnel on schedule. In the years following I worked in several mines at various places as mucker, timberman, shift boss, all to gain knowledge of mining in as many phases as possible. In 1929 to late 1930 I worked with Stewart Campbell, E. M., inspecting mines for their potential worth, cutting samples for assay and making reports on such mines inspected. Following this and up to 1934 I worked for the Daddy Lode Mine of Baker, Oregon, as sampler, the Mother Lode Mine as miner, the Whitehead Mine as timberman, the Hiland Mine of Haines, Oregon, miner, the Rainbow Mine of Oregon, timberman, Iron Dike Mine of Homestead as miner and timberman. At Jarbidge, Nevada I worked for the Guggenheim interests as miner and timberman, then back to Oregon to the Regan Mine, where I was manager.

In 1934 I took charge of, as manager and supervisor, a group of mines headed by a Mr. Baker of Winnemucca, Nevada. Baker, Oregon being my home I always headed back to that vicinity, so after leaving Winnemucca I went to work for the Argonot Mine of Sumpter, Oregon, as foreman. Following this I worked for a number of mines up to the year 1942 as shift boss, foreman, manager and supervisor. For the Regan Mine, which seemed to change hands often, I worked as foreman. I was employed by the Bend Mining Company, Bend, Oregon, as Manager and Supervisor. Under Lease and Bond I worked the Gold Bug Mine of Auburn, Oregon, on my own. I was unable to make this property pay because the vein was too small for sustained mining. From there I went back to the Regan mine as manager. In 1942 I was working for the Friday Mine, Baker, Oregon, as foreman when I had an offer from the Union Silver Mining Company to take charge of their operations on the headwaters of the Grande Ronde River in Union County, Oregon. After inspecting the property I accepted the offer and worked for them as General Manager from July 1942 until their operations were closed down in the fall of 1944. During the winter of 1944 I worked for the Bradley Mining Company as foreman. Following this I worked for my own mining interests until September, 1947, when I took over the General Managers position for the East Eagle Mining Company of Baker, Oregon, where I am still in that position.

Raleigh E. Chadwell

Box 177 Baker Oregon

BREAKDOWN COST PER FOOT PER DAY

SALARY:			
Mine Superintendant	$500.00 per month	(per shift)	$ 6.94
Assayer	$350.00 " "	"	4.72
Drillers	(Drilling time $2.00 per hour)	"	16.00
Chuck Tender	$1.75 " "	"	13.20
Mucking Mach. Operator	$1.75 " "	"	13.20
Trammer	$1.50 " "	"	12.00
Timberman	$2.00 " "	"	16.00
Blacksmith	$.75 " "	"	13.20
FUEL CONSUMPTION:			
Diesel oil	@ 80¢ per gallon	(8 gallon per shift)	6.40
Oil	@ 45¢ Per Quart	(1 quart per shift)	.45
BLASTING MATERIAL:			
Powder	$21.90 per hundred lbs.	(69 sticks per shift)	4.14
Caps	@ 23¢ each	(15 caps per shift)(Electric caps)	3.45
Carbide	$11.40 per hundred lbs.	(1½ lbs. per shift)	.76
Drill Bits	(wear and breakage per shift)		4.50
		PER SHIFT TOTAL COST	$ 114.96
		10 feet per shift cost per foot	11.50
		Unforseen costs, rail, pipe	12.00
		TOTAL COST PER FOOT	$22.50

Raleigh E. Schachner
Box 677 Dipper - Oregon

DMF #62.

EAST EAGLE MINING COMPANY

FINANCIAL STATEMENT

DECEMBER 31, 1951

ASSETS:		
Current Assets:		
First National Bank	$ 195.13	
Advance for Expenses	(8.96)-	
Rotary Mills, Inc.	100.00	
Total Current Assets		$ 286.17
Fixed Assets:		
Truck Equipment	$ 4,480.00	
Plant and Equipment	20,565.00	
Office Equipment	670.00	
Tools	2,085.00	
Buildings	34,515.00	
Mineral Claims	98,000.00	
Development Work	96,210.00	
Mill Equipment	44,850.00	
Mill Construction	29,110.00	
Shop Equipment	1,855.00	
Total Fixed Assets		$332,340.00
Prepaid Expenses:		
Prepaid Insurance	$ 210.00	
Total Prepaid Insurance		$ 210.00
Intangible Assets:		
Goodwill	$50,000.00	
Total Intangible Assets		$50,000.00
TOTAL ASSETS		$382,836.17

Raleigh E. Wheatcroft

Box 699 Baker Oregon

EAST EAGLE MINING COMPANY

Development work from January 1, 1952 to October 20, 1952

Ten days Bulldozer work opening road to mine late in March and early in April $10.00 per hour $ 800.00

Twenty days Bulldozer work at our Monday mine and Zenith mine doing prospecting and Development $10.00 per hour $ 1600.00

Three days Bulldozer work building road towards our Sheeprock mine. $10.00 per hour

Assessment work for two claims $ 240.00

General operating expense of mining, development, repairs of equipment and buildings

Robert Chadwell	wage	$1500.00	
LaRoy Chadwell	"	1500.00	
Raleigh Chadwell	"	1500.00	
Oscar Pierce	"	1300.00	
Eva Pierce (cook)	"	850.00	
G.R. Holderman	"	1200.00	$7,850.00
			$10,490.00

Raleigh E Chadwell
Box 177 Burns Oregon

EQUIPMENT COSTS

Power Plant and Switch Boxes	$ 32,549.71
Flotation	2,621.85
Ball Mill	2,500.00
1 - 25 hp Motor	80.00
Allis Chalmers Ore Feeder	310.00
Classifier (Dor Rake Type)	495.00
Amalgamator	601.51
1 - 1hp Electric Motor	76.00
Jig 12X18 Duplex	819.98
Motors:	
1 - 1 1/2hp Wagner - Serial #1475112	89.00
1 - 1hp Glador " #52884	76.00
1 - 3hp Fairbanks Morris #1071174	117.00
1 - 1hp Fairbanks Morris with reducer-#E24005, Model 11E20686	326.00
1 - 10hp #591534 Fairbanks Morris	263.00
Reagent Feeder:	
1 Model E Serial #567 Clarkston	50.00
1 Lime Feeder- Kansas City Grinder	30.00
Welder (Gas Driven) Hobart Arc Welder #DW11167 40 volt 300 amp -motor Chrysler Industrial type 118-502, serial 3303-42	1000.00
Rails - 3500 #8	350.00
Pipe - 360' - 4"	360.00
400' - 3"	300.00
1000' - 2"	300.00
100' - 1 1/4"	20.00
400' - 1"	72.00
200' - 3/4"	30.00
Buda Diesel	4000.00
Tools	2085.00
D - 6 Diesel Tractor Caterpillar - #25 Cable Control Unit and Kay Brunner Model HB - 40B Trailbuilder	7500.00
Battery Charger - Willard Heavy Duty	63.00
Acetylene - Cutting and welding torches tips, hose, gages	185.00
Tool Sharpener - Gardner Denver Model 3A	250,00
Compressor - Sullivan - Size 12X10 Class W86	1200.00
Cable - 450' - 3/4"	112.50
900' - 1/2"	225.00
800' - 5/8"	200.00
Copper Wire -	
1500' - #10	20.00
3000' - #14	20.00
Fuel Tanks - 1 - 750 Gal. - 1 - 380 Gal	300.00
Drill Machines - Rotator # 91	300.00
TOTAL	$ 59,897 .55

Raleigh E Chadwick

By Geo. Brown Engr.

INVESTMENTS

LIGHT PLANT:	
Ditch, flume, building, plantdive units	$ 2600.00
WATER SUPPLY TO MILL:	
9000 gal tank, 1400' pipe, dozer work, complete with labor to lay pipe	3800.00
WATER SUPPLY TO CAMP:	
350 gal tank, 650' pipe, tank, Labor and material on installation	720.00
BRIDGE ACROSS RIVER	1000.00
ROADS AVAILABLE FOR GETTING OUT MINING TIMBER	4000.00
BUILDING GRAVEL BUNKER	650.00
TOTAL	$ 12,770.00

Raleigh E Stadtwell

Box 699 Baker Oregon

MILL

POWER PLANT
General Motors Diesel Electric
Engine Model No. 3-268A Serial No. 21445
Distribution switch panel 100KW 450 volts AC 3 phase 60 cycle

SWITCH BOXES - FUSE BOXES
Switch cox Style No. 1420570A 7½ hp maximum - Westinghouse
3 - Line starter switch boxes Type M. Westinghouse
1 - Starter switch 7½ hp maximum Cutler Hammer
1 - Starter switch Square D type 25hp maximum
1 - Automatic heater switch - compensator Ct No. 4386985
1 - Fuse box Style K62157 220-440 volts Westinghouse
1 - Fuse box Cutler Hammer motor control
5 - Fuse boxes Trumble Electric Mfg. Co. 7½ hp maximum
1 - Fuse box Square D 15 hp 100 amps Cat #46353 Trumble

FLOTATION
Booth Battery of six cells with motors
1 - 2 hp Serial No. 5012)
1 - 2 hp Serial No. 222V28M) Westinghouse
1 - 2 hp Serial No. 522V28M

BALL MILL
Denver Equipment 50 ton capacity with Clutch
1 - 25 hp motor Serial No. 3K5943.9 Allis Chalmers
Ore feeder Hendy Challenge Disc type
Classifier Dore rake type

AMALGAMATOR
Gibson Impact 50 ton capacity with motor drive
1 - 1 hp Serial No. AY15513 General Electric

JIG
Denver Equipment 12X18 Duplex with motor
1 - 3/4 hp Serial No. YB20780 General Electric

MOTORS
1 - 1½ hp Serial No. 1475112 Wagner Electric
1 - 1 hp Serial No. S2884 Glador Electric Co.
1 - 3 hp Serial No. 1071174 Fairbanks Morris Co.
1 - 1 hp Serial No. E24005 Fairbanks Morris Co.
With speed reducer Model #11E206B6 Serial No. 117616
Falk

REAGENT FEEDER
1 - Model E Serial No. 567 Clarkston
1 - Lime feeder Kansas City Gringer Co.

WELDER
1 - Gas driven Hobart are welder Serial No. DW11167 40 volt
300 amp
Engine Chrysler Industrial type 118-502 Serial No. 3303-42

BATTERY CHARGER - Wilard Heavy duty

ACETYLENE
Cutting and welding torches, tips, hose, gauges and welding rods

TOOL SHARPENER
Gardner- Denver Model 3A

COMPRESSOR
Sullivan Sixe 12X10 Class WG6
Receiver Tank 2' 6" X 8'

Raleigh E Chrisman
Box 677 Blaine Oregon

CABLE
450' 3/4" 900' 5/8"

COPPER WIRE
1500' #10 3000' #14

FUEL TANKS
1 - 750 Gallon Capacity
1 - 380 Gallon capacity

DRILL MACHINES
1 - Rotator #91

RAILS
3500' of 8 lb

PIPE
360' 4" 400' 3" 1000' 2" 100' 1¼" 400' 1" 200' 3/4"

BUDA DIESEL

TOOLS

Raleigh E. Caldwell
Box 699 Baker Oregon

DMEA-2786

MF-108
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

NOV 13 1952

U. S. G. S.
SPOKANE, WASH.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2786
Metal or Mineral
Date Received 11-25-52
Estimated Cost
Participation (Government %)

NOV 13 1952

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Albright Chadwick & Bofe 699 Bates Eugene
Vice President Eat Eagle Mining Co. Inc.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Oliver Lease and Option.
Purch Lease and Option.
Legal discription contained here-in.

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Purchaser under contract.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it none

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Contained here-in.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—State the mineral or minerals for which you wish to explore Copper.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 3 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☑ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Nov. 6, 1952

information furnished by East Eagle Mining Co.

Raleigh E. Chadwell
(Applicant)

By Geo. Marshall

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

DMEA ORDER

Question 1a - Raleigh E. Chadwell, Vice-President
b - East Eagle Mining Company, Incorporated, State of Oregon
c - G. R. Holderman, President, 1515 15th N.E., Seattle, Washington
Raleigh E. Chadwell, Vice-President, Box 699, Baker, Oregon
La Roy Chadwell, Secretary-Treasurer, Box 699, Baker, Oregon
Robert Chadwell, Director, Box 699, Baker, Oregon
James Anderson, Adv. Comm., Hereford, Oregon
Alfred L. Olson, Adv. Comm., 1419 Church Street, Baker, Oregon

Raleigh E Chadwell

Box 699 Baker Oregon

DMEA ORDER

Question 3 - Legal description of Property
a - Oliver Lease and Option

The north half of the northeast quarter and the southeast quarter of the northeast quarter of Section 32, and the northwest quarter of the northwest quarter of Section 33, all in Township 6 South of Range 44 East of the Willamette Meridian, containing 160 acres, according to thepublic survey.

Eagle No. 1	Book 46	Page 45
Eagle No. 2	" 46	" 613
Eagle No. 3	" 46	" 615
Tramp	Book 46	Page 300
Yankee Girl No. 1	Book 44	Page
Yankee Girl No. 2	" 43	" 562
Yankee Girl No. 3	" 44	" 100
Yankee Girl No. 5	" 43	" 562

All being recorded in the Quartz Location Records of Baker County, State of Oregon and being located and situated in Township 6, Section 29 and 32, Range 72 East of the Willamette Meridian, in Baker County, State of Oregon.

PIERCE LEASE AND OPTION

The MONDAY, also known as the APEX, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 388 of the Quartz Location Records of Baker County, Oregon.

The JULY, also know as the ZENITH, unpatented quarz mining claim, location notice of which is recorded in Book 42, at page 389 of the Quartz Location Records of Baker County, Oregon.

The WILSON, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

The APEX, also known as the MONDAY, unpatented quartz mining claims, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

All being located and situated in Township 6, Sections 29 and 32, Range 72 East of the Willamette Meridian in Baker County, Oregon.

b- East Eagle Mine also known as Old McGee Property,
c- East Eagle Mining Company Incorporated, purchaser under contract
d- Lease and contracts included herein
e- None
f- Unpatented claims herein above mentioned

Raleigh E. Chadwell

Box 699 Baker Oregon

DMEA ORDER

Question 4 a- The Exploration Program of the East Eagle Mining Company Incorporation has consisted of the development as follows: 200 feet of cross cutting in a south-westerly direction toward an existing known ore body of which has yet to be intersected. Thence, 250 feet in a north-westerly direction on a small vein striking north 70° west for a distance of 250 feet with a small cross cut 100 feet southerly of its face in a course south-westerly 40 feet. The work now being conducted is exploration of a vein striking north 2° west and this tunnel at the present time being 300 feet in length drifting on the hanging wall of said vein. At the distance of 300 feet of drifting, strong sheers in the hanging wall have been encountered. At this point the vein changes course to an approximately N 50° W attaining its normal positions as shown on its surface, running in a fair grade of copper ore.

The producing facilities of the East Eagle Mine are as follows: a complete milling plant equipped with jigs, impact amalgamators, and floatation units of a fifty ton per day capacity. Having been installed new in 1951, the mine is also equipped with ore bins, trucks, bull-dozers, compressors, and all equipment necessary for production. The mine workings consist of the East Eagle tunnel, upper McGee tunnel, and the Monday tunnel of which all are accessable for examination excepting the McGee tunnel.

b-The current ore reserves existing at the present time consist practically of, or about, 5,000 tons of developed ore which when analyzed contains approximately an average of 3% copper.

c-The geological features of this property, including mineralization and type of deposit and reasons for exploration with illustrated maps and assay maps and other technical information, contained herein.

d-All but two miles of the roads to said mine are accessable the year round, being controlled by dozing equipment belonging to East Eagle Mining Company Incorporated. The nearest shipping point is Pondosa, Oregon, Baker County, the distance being approximately 25 miles. Supply and residence point is Baker, Baker, County, State of Oregon at a distance of approximately 52 miles in a north-easterly direction.

e-Contained separately herein.

Raleigh E. Bradwell

Box 699 Baker Oregon

DUNHAM MILES CLAIMS (Au)

East Eagle District
Baker County

Foreword: Two separate groups of claims make up these holdings. These claims have been known by and written up under various names with the result confusion exists concerning them. The 'Dunham Miles' name for the aggregate holdings is used here as it seems to be the most thoroughly established and appropriate. The individual groups are here called the Sheeprock Group and the Monday-July Group. Throughout the following discussion an attempt will be made to clarify the situation by correlating the various names used in the past with those used here.

The Sheep Rock mine was mentioned by Lindgren[1] in his report of 1901. Swartley[2] mentions "the McGee property commonly known as the Sheep Rock" in 1916. Subsequent to this the claims involved, along with others were included in the Woodard Group. The property is thus commonly known locally as part of the Woodard Group. A claim map of the Woodard Group by D. W. C. Nelson shows the Sheeprock claim as situated adjacent to and north of the Woodrow claim, but Gilluly, Reed and Park[3], describe in 1933 the Summit claim as so situated and make no mention of the Sheeprock. The Gilluly, Reed and Park account further states that the Woodrow claim is part of the Dunham Miles Group, Miles having at that time acquired this portion of the Woodard Group.

1 Lindgren - U.S.G.S. Annual Report No. 22, Vol. 2, 1901.
2 Swartley - Mineral Resources of Oregon, Vol. 2, No. 4, 1916.
3 Gilluly, Park and Reed - U.S.G.S. Bull. 846 A, 1933.

Raleigh E Chadwell
Box 699 Baker Oregon

Question # 4C. DMEA

The Gilluly, Reed and Park report is under the heading "Summit Mining Company" which company at that time had leases on both the Dunham Miles and what remained of the Woodard Group. That the Summit claim was the old Sheeprock is further indicated by a statement in the Gilluly report of a reported production of "$30,000 (made) at a time when most of the claims were controlled by a Mr. McGee." Lindgren states that a Mint report for 1892 credits nearly this amount to the Sheeprock Mine, but makes no mention of ownership. As already mentioned, Swartley refers to the Sheep Rock Mine as "the McGee property commonly known as the Sheep Rock." Dogami 14A quotes the Gilluly report on the Summit Mining Company with its account of the Sheep Rock Mine under the name of the Summit Claim, and also quotes the Swartley report of the Sheep Rock Mine under that name. The Swartley Handbook of Mines and Prospects lists the Woodard Group as under lease to the East Eagle Mining and Milling Company, and at the same time lists the Woodrow claim and Sheep Rock Mine as separate and distinct properties. Evidently these claims were not then included in the Woodard Group.

The Monday-July Group has been part of both the Dunham Miles and Woodard Groups in the past. As relocated by the present owners, the present group is comprised of the old Zenith and Apex claims of the original Dunham Miles Group as named in the report by Gilluly, Reed and Park. These same claims are shown on the map of the Woodard Group by the same names excepting that the claim positions are reversed as campared to the way they are presented by Gilluly.

Present use of the name "Apex" on theold Sheeprock claim is unfortunate in that it introduces another chance for future confusion in that the name "Apex" has always been identified with the other group heretofore.

Raleigh E. Cornell
Box 699 Baker Oregon

Old Names: From the foregoing it is evident that the Sheeprock, the McGee, the Summit Mining Company, the Woodard Group, the Zenith, the Apex and the Woodrow Claim are all names under which various claims of this group have been written up, or are otherwise known.

Lessee: East Eagle Mining Company, Box 699, Baker, Oregon. This company has a lease and option on the neighboring Oliver Property, and reference is made to a report by that name by N.S.W., December 13, 1947, for additional details regarding this company.

Owners: H. M. and R. G. Miles, A. D. Sturgill, and W. D. Pierce, all of Baker, Oregon.

Location: The Sheeprock Group is located in T 6 S., R. 44 E., Section 29 and the Monday-July Group is located in Section 29 and 32. Reference is made to a claim map accompanying this report.

Sheeprock Group

Area: Two unpatented claims known as the Wilson and Apex. The Wilson is the old Woodard and the Apex includes the workings on the old Sheeprock or Summit although the Claim itself does not correspond to the Old Sheeprock corners. These claims were re-located by the owners July 1, 1947. Access to the group is by pack trail which leaves East Eagle creek at an elevation of about 4,350' and at a point about opposite the Stagg cabins. Elevations on the claims themselves vary greatly. The average is in the neighborhood of 5,500'.

Raleigh E. Chadwick
Box 699 Baker Oregon

Sheeprock Group

History: A Mr. McGee, owner of other claims in this vicinity during the late 1800's, was one of the original owners of these claims. It is generally understood by those informed of local mining history that McGee started the tunnel on the Sheeprock claim and then leased the property to two brothers who completed the tunnel and then carried on an active, if limited, mining operation for an unknown period of time. Sorted highgrade was reportedly packed across the mountains to Union. A gravity tram, the remains of which occur on the hillside between the property and East Eagle Creek is believed to have been erected by these operators. Although the claims have subsequently belonged to the Woodard Group and to the Dunham Miles Group and were under lease at one time to both the East Eagle Mining and Milling Company (Swartley) and to the Summit Mining Company, subsequent development appears to have been limited chiefly to work of assessment calibre.

Sheeprock Group

Development: No new development work has as yet been done by the present lessees on these claims.

Sheeprock Group

Geology: The immediate country rock is a series of greenstones (refer to Ross; Dogami Bull. 3). In such workings as were open for inspection the vein was seen to occur on the contacts of a basalt dike which cut this greenstone. A basalt flow mapped Columbia River (Miocene) covers an extensive plateau area beginning directly above the claims.

Raleigh E. Chandler
Box 699 Baker Oregon

If the basalt dike associated with the veins is a Miocene Columbia River feeder, then the veins are clearly Post Miocene in age.

The southernmost workings of any consequence on the vein is an old cut occurring a short distance above the trail at the point where the trail begins to break over the rim of the valley side (El.5340'). The cut is now sluffed in and no vein is to be seen, but basalt constitutes the western side of the cut and greenstone the eastern side. Measurements taken on the exposed footwall indicate a vein strike of N 5° W with a dip of 42° to the west. An estimated two tone of vein matter on the dump consists of white quartz spotted with copper and iron stain, and containing occasional fragments showing moderately heavy copper mineralization. A grab sample from this dump (HB 213) assayed 0.42 oz/ton gold and 0.3 oz/ton silver and 5% copper.

From this pit to the north the canyon side is recessed by the head of a sharp draw. The principle Sheeprock workings on the Apex claim are situated beyond this draw on the main valley slope. The trace of the vein from the first exposure to these workings leads far back into the draw. The next principle set of workings consist of a tunnel situated on the south flank of the draw, at an elevation of 5,300'. This would appear to be the workings described by both Swartley and Gilluly under the heading of Woodrow prospect. Access through a caved portal section reveals a tunnel which bears S 5° E for about 60 feet with a swing to S 5° W for an additional 25 feet to the face. The vein, with a greenstone footwall and a basalt hanging wall, dips about 50° to the west. The usual vein width is perhaps 6 inches, but it swells locally to as much as 12 inches and also thins to as little as 2 inches.

Raleigh E. Thacker
Box 699 Baker Oregon

No stoping has been done, but a winze of 25 to 30 feet in depth is sunk on the vein at a point just within the portal. Sorted vein quartz is staked to a depth of about 2 feet on a platform about 12 feet square directly in front of the portal. A sample (HB 214) taken from the surface on this pile at about 2 feet intervals assayed 1.08 oz/ton gold and a trace silver and 2% copper.

The next set of workings are situated across the draw (on the north flank) about 200 feet distant to the north. These workings consist of two short parallel tunnels on opposite sides of the basalt dike. The westernmost of these tunnels starts in basalt and trends N 55 W for a distance of about 25 feet to its face. A short distance beyond the portal the basalt-greenstone contact is exposed and a trend of N 8 W is revealed. Two feet of sheared formation containing minor amounts of quartz is to be seen on the roof, but this pinches to essentially nothing in both directions laterally and also before reaching the floor of the drift.

The easternmost tunnel is heavily timbered and partially caved for an estimated 60 feet on a N 5 W trend. From this point on the tunnel continues about 30 feet more on a somewhat more westerly bearing. At this point also a cross-cut penetrates the basalt for 25 feet on a S 85 W bearing and then turns and bears N 20 E for an additional 20 feet. A 1 inch quartz stringer exposed in the main drift at the end of the timbered zone is the only vein to be seen in these workings, and this stringer does not continue to the tunnel face.

As already mentioned, the main Sheeprock workings are caved and grown over as was the case when Gilluly's examination was made (Summit Claim). Swartley's report

Box 677 Baker Oregon

therefore remains as the most comprehensive assemblage of data available on the property, and excerpts from this report are offered here.

"Upon the Sheep Rock claim there is a dike of igneous rock 30 to 40 feet wide, which stands N. 40° W. and dips 50° S.W. There is auriferous quartz altered sides of this dike. The veins are from 10 inches wide and contain from $1 to $3 in gold besides both some pyrite and chalcopyrite. The principal veins this property have a strike from N. 30° to 60° W. dip of from 27° to 37° N.W. These veins have going show slicken-sides on both walls."

"According to an engineer's report upon this property from which the above statements are taken, some of the latter veins have widths of 20 to 40 inches and values secured by panning of from $1.40 to $16.80. Considerable development work has been done in previous years but not much has been done recently."

The workings shown to the writer as the principal workings were at an elevation of 5,550'. The cut leading to the portal bears N 50° and is believed to be the underground trend also. According to Chadwell, however, two men who worked in this mine both report that the vein was almost flat with not over a 10° dip to the east, which dip is opposite in direction to those mentioned in the Swartley report. The main tunnel reportedly penetrated the hill for a distance of about 400 feet. At the face the vein is said to have steepened appreciably in dip. A series of closely spaced prospect pits and cuts ascend the hill in a S 80° W direction from the portal to an elevation of 5,660'. While the vein in place was revealed in none of these pits, quartz on the dumps did indicate that they followed the surface exposure of the vein. A grab sample from a pile of sorted quartz at the portal of the main tunnel (HB 215) assayed 0.06 oz/ton in gold and a trace in silver.

From the foregoing it is evident that available information on these workings is meagre and somewhat contradictory.

Box 699 Baker Oregon

Transit surveying and extensive prospecting will be necessary to re-establish vein attitudes and relationships prevailing here.

Monday-July Group

Area: Two unpatented lode claims known as the Monday and the July. The Monday is the Apex claim shown on the map of the Woodard Group, and the Zenith as written up by Gilluly. The situation is reversed for the July claim which is shown as the Zenith on the Woodard Group map, but written up under the name Apex by Gilluly.

These claims are located on the divide between East Eagle and Bradley Creeks at an elevation of about 5,750'. Access from the Oliver Property on East Eagle Creek is accomplished by pack trail up the mountain side for part of the distance, and without benefit of pack trail for the rest.

Monday-July Group

History: Little is known concerning the history of these claims other than that they belonged at one time to both Woodard and Dunham Miles, and it is believed that the various pits and workings were made chiefly by Miles and lessees.

Monday-July Group

Development: The principal workings consist of an adit on the Monday claim. The caved portal of this drift has been cleaned by the present lessee to a sufficient degree to permit of entry to the adit for examination purposes.

Monday-July Group

Geology: As the July claim was not examined by the writer the Gilluly report on it (under the name Apex) is presented here.

"There are several prospect pits on the claim, the southernmost of which exposes a quartz vein 1 foot thick, which strikes N. 10° E. and dips 25° E. The footwall appears to be a basic dike similar to that on the Midway claim, and the hanging wall is dark-green greenstone. Two quartz stringers, 1 inch to 1½ inches thick, run from the vein into the footwall dike, thus indicating that the dike is older than the vein. However, the stringers may not be of the same age as the main vein, as they are not mineralized. The metallic minerals seen in this pit were chalcopyrite and enargite, with chrysocolla and limonite as oxidation products."

"In another pit on the Apex claim, about 200 feet north of the one above described, a series of small quartz stringers, ranging from the thinness of paper to several inches in thickness is exposed."

The adit on the Monday claim (Gilluly's Zenith) is in a greenstone country rock probably belonging to Ross's Martin Bridge formation. A map of this adit showing the location of samples taken, is included with this report. This adit is 150 feet in length and bears N 72° E. The vein is exposed continuously from the portal to a point within about 30 feet of the face. The dip is very flat, and to the N. NW. The vein is made up of 18 to 38 inches of massive white quartz showing some iron stain and occasional thin streaks of copper stain. Two to 6 inch streaks of green and red gouge occur on both walls, and a heavy maroon-red gouge is to be seen in the hanging wall at the point where the vein is last exposed.

Raleigh E. Tindall
Ref. on Baker Cougar

EAST EAGLE MINING COMPANY, INC.,

(Location and Geology)

Located about 15 miles north of Sparta or 45 miles north east of Baker in north west part of township 6 south, Range 44 East, Section 32 and 33, on the west side of the rather steep canyon of East Eagle Creek at an elevation of about 42 hundred feet.

GEOLOGY:

Much of the area south of the Wallowa Range and north of lower Powder River, is covered by recent lava flows. Those areas not so covered are in part granite and in part old sediments and old lavas and volcanics. The steep slopes and high ridges which form the upper drainage area of Eagle Creek, are made up of various sediments and old volcanic flows and breccias in considerable complexity. The lower foothills from a few miles west of Sparta to North Powder, where they are not covered by Columbia bassalt, are seem to be made up almost entirely of green stones.

Much lime stone is found in the upper drainage area of Eagle Creek. This lime stone and the other sediments which are largely Calcareous appear to have once covered much of this region, but now only remnants which have escaped erosion, remain. These lime stones, Sand stones and Argillites have frequently been made Schistose and crystallized by the mountain building forces, which crested the Wallowa Range.

It appears probable that in this localaty as else where in the Wallowa Region, these sediments were laid down upon a wide belt of old lavas and breccias. Volcanic breccia is also frequently interbedded with them. These breccias and old flows have been generally altered and nearest to the Wallowa Granodiorite intrusion have been compressed and altered into dark green and amphibolitic schist.

COPPER OCCURANCES IN OREGON:

In Oregon copper usually occurs associated with gold and silver. Copper-gold ores are found in the Homestead District on the Snake River, occuring as Chalcocit and Chalcopyrite along sheer zones in green stones. Another area is the copper belt of the Lower Powder River, where Chalcopyrite, Chalcocite, and Cuprite are found in bunches, and dissemimated through the shattered and sheered green stone.

Some copper prospects are found where mineralization consists mainly of chalcopyrite with other sulphides in contact deposits between granodiorite and lime stone.

The production of copper as of December 31,1937 as given by the United States Bureau of Mines was 23,932,000 pounds.

TAKEN FROM: Oregon Metal Mines Handbook, Bulletin 14A-

Raleigh E. Calhoun

P.O. Box 699 Baker Oregon

Question # 4C. DMEA

DMEA QUESTION # 4D:

The East Eagle Mine is assessible all the year around, although two miles of road must be maintained opened with bull dozer during heavy snow storms. The latter two miles being private road. the nearest shipping point being Pondoza, at a distance of twenty five miles. Supply and residence points being Baker Oregon, at a distance of fifty two miles, although adequate residenceare availible for help required under exploration at the mine.

DMEA #4 E:

The availability of man power at the present time is favorable in the surrounding areas. Materals and supplies are available at Baker Oregon. Equipment if needed availabke at Kellogg Idaho. Water power is plentiful as East Eagle River flows through the middle of mill site. Assessibilty to comercial power within two miles. At present time power being furnished by a two hundred KW Diseil plant.

Question #6:

Estimate of cost:

500 feet drifting, raising, and cross cuting at an aprox. cost of $12,250.00

#6 B:

Consultants Fees: $ 500.00

#6 D:

Equipment to be purchased:

1-----Mucking machine	aprox.	$1900.00
1-----Air Tramer	"	1500.00
1-----Four Wheel Jeep Pick Up	"	2400.00
6-----1 Ton Ore Cars	"	1500.00
1-----Rock Drill (complete)	"	1100.00
Laboratory Equipment	"	1500.00

Question 6 F:

One new chemical lab. 12' by 12 ' addition 1000.00

Total cost $ 25,850.00

ASSIGNMENT OF POSITION

WE, the undersigned, G. R. HOLDERMAN, RALEIGH E. CHADWELL, ROBERT CHADWELL, LAROY CHADWELL, JAMES ANDERSON, and ALFRED L. OLSON have hereby agreed that RALEIGH E. CHADWELL, Vice-President of the EAST EAGLE MINING COMPANY, a corporation, shall have complete supervision of all exploration and development activities on all properties owned or held by LEASE AND OPTION of property located by EAST EAGLE MINING COMPANY, INC., until such time as RALEIGH CHADWELL'S supervision shall prove unsatisfactory or a detriment to the corporation.

WE, the above signed; all being members of the above mentioned corporation, in capacity as follows; do hereby agree to this document.

G. R. Holderman
G. R. Holderman, President
1515½-15th N.E. Street,
Seattle, Washington

Raleigh E. Chadwell
Raleigh E. Chadwell, Vice-President
Box 699, Baker, Oregon

LaRoy Chadwell
LaRoy Chadwell, Secretary
Box 699, Baker, Oregon

Robert Chadwell
Robert Chadwell, Director
Box 699, Baker, Oregon

James Anderson
James Anderson, Adv. Comm.
Hereford, Oregon

Alfred L. Olson
Alfred L. Olson, Adv. Comm.
1419 Church Street
Baker, Oregon

Dated this ____ day of October, 1952, at Baker, Oregon.

EAST EAGLE MINING COMPANY , INC.,

EAGLE CREEK MINING DISTRICT

(COPPER, GOLD)

OLIVER LEASE AND OPTION

FORWORD:

This property consists of one hundred and sixty acres described legally as follows:

The north half of the north east quarter and the south east quarter of the north east quarter of the section #32, and the north west quarter of the north west quarter of section #33, all in township #6 south of range 44 east of the Willamette meridian, containing one hundred and sixty acres according to the public survey.

This property as described above, was owned by Mrs. Francis Oliver, who submitted to Mr. Raleigh Chadwell, a lease and option, for a period of five years, with an option for an additional two years. This lease and option was made and entered into, the 19th day of April 1945. The option price of this property was set at $ 25,000.00 dollars, and the royalty based at 10% of the net smelter return, applicable to the purchase price. As time has elapsed there has been paid by Mr. R. Chadwell and Associates, approximately $23,000.00 toward said option.

This property was submitted to the corporation by Mr. R. Chadwell at time of incorporation, and at a special meeting of the board of directors on Jan 8th, 1951, Mr. Chadwell stated that he had been approached by Mr. Patterson of the Collins Pondosa Lumber Company, who had offered him $18.00 per thousand board feet, for the timber on this deeded property. It was discussed at this meeting that all timbers, 30 inches and over at the stump could be sold to the Pondosa Lumber Company, excluding all timbers under 30 inches at the stump and all tamarack. The latter being most suitable for mining purposes. From this sale of timber, the Lease and Option price was reduced from $25,000.00 to approximately $2000.00 of which is to be paid off at the rate of 10% royalty upon commencement of production.

Raleigh E. Chadwell

Box 699 Baker Oregon

MINING LEASE AND OPTION

(FRANCES OLIVER, ET AL, TO RALEIGH CHADWELL, ET AL.)

THIS AGREEMENT, made and entered into this 19th day of April, 1945, by and between FRANCES OLIVER and ROSE OLIVER, hereinafter referred to as first parties, and RALEIGH CHADWELL, ROBERT CHADWELL, LAROY CHADWELL and M. C. SELLS, hereinafter referred to as second parties, WITNESSETH:

That, whereas, the first parties are the owners of the following described real property, situated in Baker County, State of Oregon, to-wit:

> The north half of the northeast quarter and the southeast quarter of the northeast quarter of Section 32, and the northwest quarter of the northwest quarter of Section 33, all in Township 6 South of Range 44 East of the Willamette Meridian, containing 160 acres, according to the public survey;
>
> Together with all the mines and minerals, gold, silver and other mineral bearing quartz, rock and earth therein and thereunder, whether in place, or otherwise, and together with all the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining or therewith usually had and enjoyed.

And, whereas, the second parties desire to enter into a mining lease for the development and operation of said property and to secure an option to purchase the same upon the terms and conditions, and in the manner, as hereinafter specified.

Now, therefore, in consideration of the premises and of the sum of one dollar to the first parties in hand paid by second parties, this date, the receipt of which is hereby acknowledged, and in further consideration of the covenants and agreements hereinafter set forth by the parties hereto to be kept and performed, it is hereby mutually understood and agreed by and between said parties as follows:

1st - The first parties do hereby give and grant to the second parties the sole and exclusive right, privilege and option to purchase, and hereby promise to sell and convey unto the second parties, subject to the terms and conditions herein set forth, all of

Raleigh E. Chadwell
Box 699 Baker Oregon

the above described real premises, together with all the mines and minerals therein or thereunder, the the appurtenances pertaining thereto, for a total purchase price of twenty-five thousand dollars, said purchase price to be paid, if this option is exercised, on or before the expiration of five years from and after the date of this contract, unless the same be extended as hereinafter set forth. The royalties hereinafter provided for shall be applied upon said purchase price, and the second parties shall only be required, if and when the said option is exercised, to pay such balance as then remains unpaid, after crediting previous royalty payments made hereunder. If, at the end of said five year period, this lease is still in good standing and second parties, or their associates or assigns, are still in the possession of said property and engaged in the working or operation of the same pursuant to the terms hereof, and not less than fifteen thousand dollars shall have been paid upon said purchase price, the second parties may, at their election and upon giving notice in writing to the first parties and to the escrow depositary hereinafter mentioned of their desire therefor, claim and secure an extension of two years additional time from and after the expiration of said five year term, and upon the giving of such notice under such conditions, this option will automatically be extended for an additional period of two years, or seven years in all, from and after the date hereof.

2nd - Immediately upon the execution of this agreement, the second parties shall be entitled to enter in and upon the above described real premises and may thereafter remain in possession thereof, so long as this agreement remains in force and throughout any extension of the original term as hereinabove provided, and may, while so in possession of said premises, work, develop, and mine the same, and extract gold, silver and other precious and semi-precious metals and minerals and mineral bearing rock and earth therefrom, in such manner and by such methods as second parties may elect, provided,

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however, that all mining operations performed upon said property shall be performed in a good and minerlike manner and in a manner consistent with good and economical mining, with due regard to the development and preservation of said promises as a workable mine, and shall be subject to all of the terms and conditions herein set forth, and to the payment of the royalties hereinafter reserved. The second parties' possession of said premises throughout the term of this lease and until the payment of said purchase price in full shall also be subject to the right of first parties to lease out and retain the income from the grazing privileges upon said lands upon a year to year basis and upon the exercise of this option any lessee of such grazing shall be entitled to remain in possession thereof until the end of the current grazing season.

3rd - With regard to said mining operations, the second parties agree that they will, so far as existing conditions reasonably permit, keep at least two men continually employed in actual mining or development work, or construction or installation of improvements or equipment, upon said property throughout the term of this lease, or any extension thereof, causing to be performed not less than fifty shifts of labor per month (the term shift of labor being construed to mean the labor of one man during a period of eight hours). It is understood and contemplated by the parties, however, that said premises are so situated that during a portion of the year wather conditions and snow, ice and the like, render it impracticable to conduct mining operations or development work thereon, and second parties shall be excused from their obligation to operate the said property continuously during such period as conditions prevail, and second parties shall also be relieved of their obligation to operate said property as above set forth when interrupted by fire, acts of God, governmental orders or other acts

Raleigh E Chandler

Box 699 Baker - Oregon

of public authority, inability to secure equipment or supplies, or other unforeseen accidents or casualties over which the second parties have no control, and in any of such events such work shall be resumed as soon as the cause of interruption has been or could with the exercise of reasonable diligence be removed by the second parties.

4th - All of the products of said mining property containing mineral values, whether the same be in the form of ore, bullion, concentrates, or otherwise, at the time the same are ready for shipment shall be delivered by the second parties to the First National Bank of Baker, Oregon, for shipment and shall be shipped by and in the name of said Bank to such standard and reputable smelter or other place of sale as the second parties may select, and the returns and settlement sheets from said shipments shall be made payable to said Bank, and the said Bank shall currently, upon receiving returns from each shipment, divide the same by placing five per cent of the net returns therefrom to the credit of Frances Oliver, of first parties, an additional five per cent to the credit of Rose Oliver, of first parties, (or a total royalty of ten per cent,) to be applied upon this contract and credited against the said purchase price, as above set forth, and the balance shall be delivered to the second parties, or their order. The term net returns, as used herein, shall be construed to mean the net amount shown due by the smelter or other place of sale as indicated by said returns or settlement sheets, after deducting railroad freight from Baker, Oregon, to the smelter or other place of sale, and all proper treatment and other charges at the said smelter, or other place of sale, but without any other deductions whatsoever, except severance or production taxes, if any.

5th - Coincidentally with the execution of this agreement, the first parties have executed a good and sufficient warranty deed of

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conveyance running in favor of the second parties, as grantees (in which the husband of the said Rose Oliver of first parties shall join) conveying the above described premises, together with all the mines and mineral rights pertaining thereto, and all the tenements, hereditaments and appurtenances thereunto belonging, to the said second parties, free from all encumbrances and with the usual covenants of warranty. That said deed, together with a copy of this contract, shall be forthwith delivered to and deposited in escrow with The First National Bank of Baker, Oregon, to be held by said Bank as escrow depositary, pursuant to the terms of this contract and delivered over to the second parties, or their assigns, upon full payment of said purchase price of twenty-five thousand dollars, through royalties, or otherwise, at any time during the life of this option, or any extension thereof, but otherwise, upon any termination or abandonment hereof, to be returned to first parties, their heirs or assigns. The title insurance policy and any other conveyances subsequestly deposited pursuant to the terms hereof shall be held by said escrow depositary under the same conditions as such deed and delivered over or returned in the same manner. The charges of said Bank as escrew depositary shall be paid by the second parties, and the said Bank shall be authorized to deduct from the last payment made hereunder a sum sufficient to cover the cost of revenue stamps required upon said deed under then existing law and affix such stamps to the deed prior to delivery.

6th - The first parties covenent with and warrant to the second parties that they are the owners in fee simple of the said lands and premises covered hereby and of all the mines and minerals therein or thereunder, free from all encumbrances, and are entitled to the possession of the same at this date, and covenant and agree that they will (except as to the grazing rights above mentioned) protect the second parties in the quiet and peaceable enjoyment and

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possession of all of the said lands and premises covered hereby, and in the mining and operation thereof, in accordance with the terms and conditions hereof, during the life of this agreement.

7th - At such time as fifteen hundred dollars has been paid on the purchase price of said property, the first parties will, at their expense, secure and deliver to the said escrow depositary to be held pursuant to the terms of this contract, a standard policy of title insurance written by the Hartman Abstract Company, or some equally reputable title insurance company, insuring the title to said premises as merchantable, without exceptions, other than the standard printed exceptions contained in such policies. The first parties will also secure and deposit said policy at any prior time upon the request of second parties, who will, in that event, advance the cost of such policy in the first instance and reimburse themselves for the amount so advanced from royalties to accrue thereafter.

8th - In connection with the operation of said property and the royalties to be paid thereon it is understood that the first parties shall be entitled to receive royalties upon all ore removed through the tunnel and other interior workings upon said property or treated at any mill or other treatment plant installed thereon, regardless of whether the said ore shall actually have been taken from the said mining property or not.

9th - The second parties expect shortly to locate a millsite at or near the mouth of the existing tunnel upon or adjacent to the said premises, such millsite when located shall be located in the name of first parties and if, during the life of this contract, the second parties' operations hereunder shall disclose any further and additional mineral ground adjacent to or in the immediate vicinity of the said property covered hereby, which is open to location or adquisition, then it is understood that any such new mineral ground

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shall be located and acquired in the name of said first parties and shall be held as a part of the premises covered hereby, subject to all of the rights of the second parties hereunder ofr the working and operation thereof, and to the payment of the same royalties as are above provided, and any such new ground so located hereunder (both mining claims and millsite) shall be covered by supplemental deeds of conveyance to be deposited in escrew in the same manner as to the property above described, which deeds shall be executed and deposited by the first parties at any time upon request, but which deeds shall contain no covenents of warranty or peaceable possession.

10th - All mining operations and development work, and other activities prosecuted upon said property during the life of this contract shall be done and performed at the sole cost and expense of the second parties, and the first parties shall in no event be under any liability or obligations whatsoever to contribute any part thereof.

11th - The second parties covenant and agree to pay and satisfy in full all expenses for labor, materials and supplies, workmen's compensation and unemployment insurance and all other lienable indebtedness which may be incurred in the mining and operation of the said property and in the construction of improvements or the installation of equipment thereon, and further covenant and agree that no liens or charges of any kind or nature shall be permitted to accrue or be filed against the said mining property, or any part thereof, or any of the buildings and improvements annexed thereto, on account of any of the operations, acts or conduct of the second party, and that no liability of any kind or nature shall be permitted to attach to the first parties or the said property of any of the buildings or improvements annexed thereto, on account of any such mining operations, development or construction

Reading the Chadwells
Box 677 Medford Oregon

work and second parties covenant and agree to save the first parties and the said mining property and all and every part thereof harmless from any and all liability or expense on account of any such obligations.

12th - At the outset it is understood that all of the work upon said property shall be performed by the said second parties, individually, and if, at any later date, any additional labor is employed by the said second parties, in connection therewith, it is understood that all such workmen shall, before performing any work upon said property, sign waivers in a form approved by first parties, or their counsel, which shall be delivered to the first parties, wherein and whereby all of such workmen shall agree to look solely to the said second parties, or the other person or persons employing them, for their pay and shall waive any rights which they might otherwise have to claim a lien against the said property covered hereby, or any part thereof, or any buildings or improvements thereon, therefor. It is further agreed that all materials and supplies purchased for use upon said property shall so far as reasonably practicable be paid for in cash before being transported thereto, and that all expenses for workmen's compensation, unemployment insurance and any other lienable indebtedness shall be promptly paid at the time the respective accounts fall due and before the same become delinquent.

13th - The first parties shall have and are hereby given a lien against the mining and mill machinery and equipment, tools and supplies of the second parties placed upon or used in the operation of the said property, to insure the compliance by the second parties of their obligations assumed under the provisions of clauses 11th and 12th hereof, and to indemnify the first parties against loss or expense arising through or as a result of second parties' default thereunder, which lien shall arise and attach against all of said machinery and equipment of the second parties as soon as any lien-

Ralph E. Chadwell
Ed. M. Baker Co.

able indebtedness becomes delinquent and shall continue until such time as all of said lienable indebtedness shall have been satisfied, and any loss, cost or expense to the first parties arising as a result thereof has been paid.

14th - The first parties in person, or through their duly authorized agents and representatives, shall have the right to inspect the said premises covered hereby and the mining operations conducted thereon at all reasonable and seasonable times during the life of this agreement and shall have the right and privilege of being present at any cleanups during mining operations and the said first parties, their agents or representatives, shall have the right to examine the books and records of the said second parties pertaining to the operation of said property, which said books and records, or duplicates thereof, shall be kept and maintained either upon said property or elsewhere in Baker County, The first parties shall further be furnished currently with duplicate copies of all mint, mill or smelter returns and settlement sheets showing shipments of ores, concentrates, gold, silver and other precious and simi-precious metals and minerals from the said property.

15th - All buildings and similar permanent improvements, development work, timbering, tracks, rails, and the like placed or performed upon said premises and property by the second parties during the life of this agreement, shall be deemed and considered as a part of the said leased premises, and shall be and remain a part of the said property and shall be left thereon at the expiration of said term, or any sooner termination or abandonment hereof, but all mining and mill machinery and equipment, tools and supplies, including any ball mill, crushers, classifiers, flotation units, compressors, stopers, drifters, and other mining of milling equipment which may be installed or used upon said property by the second parties, regardless of size, weight or manner of annexation, shall remain the property of the second parties and may be removed by

Raleigh E. Chadwell
Box 699 Baker Oregon

them in the event of any abandonment or termination hereof or whenever they desire to so remove the same, so long as they are not in default under the provisions of clauses 11th and 12th hereof, and the lien hereinabove reserved in favor of the first parties has not arisen and attached to the same. The said right to remove equipment shall be suspended in the event such lien shall have attached thereto until such time as the same has been fully satisfied and released.

16th - The first parties will currently pay all general, state and county taxes which may be levied or assessed against said premises during the life hereof based upon the present assessed valuation thereof. Second parties will pay all taxes levied against any improvements, machinery or equipment placed upon said premises by them during the term hereof and if the valuation of the real property should be increased because of the existence of mineral values determined to exist therein, second parties will pay the amount of taxes resulting from such increase over and above the present assessed valuation. If any severance or production tax should hereafter be levied and collected by duly constituted authority from any of the minerals recovered from the said premises during the life hereof, then the second parties, or the said escrow depositary, (whichever shall pay the same) shall be entitled to deduct the amount of such severance taxes from each shipment before computing royalties thereon but no such severance or production taxes so deducted shall be deemed or construed to in any manner reduce the purchase price to be paid to first parties hereunder.

17th - This agreement is an option to purchase merely and second party shall always have the right to surrender the premises and the property covered hereby and be relieved of any further obligations hereunder, notwithstanding that they may have elected to commence mining operations upon said property or have done any other act or acts whatsoever, upon giving ten days prior notice in writing to first parties of their intention so to do, and upon the

Raleigh E Colmesneil
Box 699 Baker Oregon

giving of said notice and the payment of any accrued royalties to the first parties hereunder and the satisfaction of all indebtedness which might constitute a lien against said property such surrender or termination shall fully release the second parties from all future obligations hereunder but shall not affect any liability already accrued and arising from prior failure of performance.

18th - This agreement shall run to, be binding upon and insure to the benefit of the parties hereto, their heirs, personal representatives and assigns, respectively, but the first parties are entering into this agreement relying upon the experience and responsibility of Raleigh Chadwell of second parties, and it is understood that he shall not assign all of his interest in this lease, or otherwise dispose of the same, so that he no longer has an interest in the venture, without the written consent of the first parties thereto being first had and obtained.

19th - Time is of the essence of this agreement and in the event the second parties, their heirs or assigns, fail, neglect or refuse to keep and perform any of the terms and conditions hereof, on their part to be kept and performed, then the first parties may, at their option, terminate this agreement so far as further or future performance or any rights of the second parties hereunder are concerned, by giving notice in writing or by telegraph to the second parties, specifying such default. Provided that if within ten days after the receipt of such notice in case of default arising through the failure to account for royalties or the filing of a lien or liens upon said property, or within thirty days in the case of any other default, second parties shall remedy or correct such default this agreement shall be reinstated and considered in good standing. However, upon failure to correct the same as hereinabove provided, within said respective periods, this agreement shall then be terminated and at an end so far as further or future performance or any rights

Raleigh E. Chadwell
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rights of second parties hereunder are concerned and in the event of such termination all royalties accuring hereunder shall be retained by first parties as liquidated damages and as compensation to first parties for their loss of time and the depletion of the mineral resources in said property arising out of this contract, and the said Bank, as escrow depositary, shall forthwith return the said deed or deeds, and any title insurance policy so deposited in escrow unto first parties, and first parties will be forthwith restored to all their former rights therein and shall be entitled to the immediate possession of said premises; such termination, however, in no manner to release the second parties from their obligation to account for and pay royalties upon all minerals previously removed from said property or to satisfy in full all lienable indebtedness theretofore incurred in the operation thereof, or respond to any other obligation arising through prior failure of performance. In case of such termination the lien hereinabove reserved shall remain in effect until all of such lienable indebtedness is fully paid and satisfied.

20th - After such default and termination of this agreement, the second parties shall have no further rights in or right to the possession of the said premises, or any part thereof, except for the purpose of accomplishing the removal of the movable machinery and equipment as hereinabove set forth, subject to and after the satisfaction of the first parties' lien thereon if such lien shall arise. Upon any termination or abandonment of this agreement, it is understood that the second party shall remove all of such machinery and equipment belonging to them within a period of six months from and after such abandonment or termination and during such period shall have full and free access to the said premises for the period of accomplishing such removal, unless the removal thereof should be suspended through the arising of the lien as above mentioned, in which event the second parties shall have a period of sixty days after

Raleigh E. Mitchell
Ed. W. Baker Company

the removal of such suspension by full satisfaction of said liens within which to complete such removal. In accomplishing such removal the second parties shall do no unnecessary damage to buildings or other improvements of the first parties upon said property and if damage be unavoidably caused shall forthwith restore the premises to as good condition as before.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals in triplicate the day and year first hereinabove written.

_____ (SEAL)

_____ (SEAL)
FIRST PARTIES

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)
SECOND PARTIES

STATE OF OREGON,)
) ss:
County of Baker.)

BE IT REMEMBERED, that on this 19th day of April, 1945, before me, the undersigned, a notary public in and for said County and State, personally appeared the within named Frances Oliver and Rose Oliver, who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and notarial seal the day and year last above written.

My Commission Expires:

_____
Notary Public for Oregon.

Raleigh E. Thatcher
Box 699 Baker Oregon

ASSIGNMENT

FOR AND IN CONSIDERATION OF a certain number of shares of the fully paid and non-assessable capital stock of the EAST EAGLE MINING COMPANY, an Oregon Corporation, the receipt of which is hereby acknowledged, individually, we, the undersigned, holders of one MINING LEASE AND OPTION OFcertain described deeded land, which MINING LEASE AND OPTION was obtained from the owners Frances Oliver and Rose Oliver, and executed and signed before a Notary Public on the 19th day of April, 1945, hereby transfer, assign and set over unto the EAST EAGLE MINING COMPANY, above mentioned corporation, all our rights, title and interest in afore mentioned MINING LEASE AND OPTION. Said MINING LEASE AND OPTION is specifically for the north half (N½) of the northeast quarter (NE¼) and the southeast quarter (SE¼) of the northeast quarter(NE¼) of Section 32, and the northwest quarter (NW¼) of the northwest quarter (NW¼) of Section 33, all in Township 6, South of Range 44 East of the Willamette Meridian, and containing one hundred sixty acres (160), according to the public survey of Baker County, State of Oregon.

BE IT KNOWN, that G. R. Holderman, who is a signatory of this document, but, who is not a signatory of the above mentioned MINING LEASE AND OPTION, was granted and assigned equal rights, claims, privileges and benefits with ourselves individually, on August 23rd, 1947, by the holders of said MINING LEASE AND OPTION, Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell; that the afore mentioned grant and assignment was given under our signatures and of our own free will and desire to the said G. R. Holderman for valuable services and assistance rendered to us, by him, from time to time, and that his signature appearing below, transfers, assigns and sets over unto the EAST EAGLE MINING COMPANY all of his rights, title and interests in the afore mentioned MINING LEASE AND OPTION.

TO HAVE AND TO HOLD the same to the EAST EAGLE MINING COMPANY, an Oregon Corporation, its successors and assigns forever.

IN WITNESS WHEREOF, the undersigned have caused their signatures and seals to be affixed this 22nd day of September, 1947.

In the presents of

_____ Raleigh Chadwell

_____ M. C. Sells

Robert Chadwell

LaRoy Chadwell

G. R. Holderman

Subscribed and sworn to before me, a Notary Public in and for the State of Oregon, this _____ Day of September, 1947.

Notary Public in and for the State of Oregon

Raleigh E. Chadwell
Box 699 Baker Oregon

STATE OF OREGON,)
) ss:
County of Baker.)

BE IT REMEMBERED, that on this 19th day of April, 1945, before me, the undersigned, a notary public in and for said County and State, personally appeared the within named Raleigh Chadwell, Robert Chadwell, LaroyChadwell and M. C. Sells, who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and notarial seal the day and year last above written.

Harrold Banta
Notary Public for Oregon

My Commission Expires:
April 16, 1946.

Raleigh Chadwell
Box 699 Baker Oregon

WHEREAS on April 19th, 1945, FRANCES OLIVER and ROSE OLIVER as First Parties, entered into an agreement with RALEIGH CHADWELL, ROBERT CHADWELL, LAROY CHADWELL, and M. C. BELLS, as Second Parties, leasing certain premises, which said agreement expired in five years (with privileges of a two year extension, providing said option to purchase is exercised within said five year period).

NOW, THEREFORE, IN CONSIDERATION of the amount of work now done, said first parties hereby grant to second parties an extension of said above agreement for the period of two and one half years, that is to say, in all places where said term of five years appears, said contract shall read seven and one half years, but all other terms and provisions shall be and remain as therein set forth.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 8th day of October, 1946.

Witnesses:

Frances Brown	Frances Oliver
Roscoe Brown	Rose Oliver First Parties.

Raleigh E Chadwell

Box 699 Baker - Oregon

CONSENT TO TRANSFER

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Frances Oliver and Rose Oliver, caused to be executed and signed on April 19th, 1945, one certain MINING LEASE AND OPTION wherein we granted to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell the right to work and purchase the following described real property, towit;

> North half (N½) of the northeast quarter (NE¼) and the southeast quarter (SE¼) of the northeast quarter (NE¼) of Section 32, and the northwest quarter (NW¼) of the northwest quarter (NW¼) of Section 33, all in Township 6 south Range 44 East of Willamette Meridian, in Baker County, State of Oregon, containing 160 acres, according to the public survey.

NOW, THEREFORE, It having been brought to our attention that the afore mentioned Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, together with other associates, have formed a Corporation under the laws of the State of Oregon, and that they desire to transfer their title and interest in said MINING LEASE AND OPTION to the afore mentioned corporation, the EAST EAGLE MINING COMPANY.

IN FURTHERANCE THERETO, We, the issuers of the afore mentioned MINING LEASE AND OPTION, and owners of the above described real property, hereby give our consent and permission to the original recipients of said MINING LEASE AND OPTION to transfer their title and interests, therein, to the EAST EAGLE MINING COMPANY, provided, and with the express understanding that the said EAST EAGLE MINING COMPANY will accept the terms and conditions therein contained and will carry out and fullfill said terms and conditions exactly as the original holders of said MINING LEASE AND OPTION would, or were permitted to do, by said terms and conditions, and that we, the executors of the afore mentioned MINING LEASE AND OPTION, be given a signed statement from the EAST EAGLE MINING COMPANY, officially executed, that the said Company does accept the terms and conditions of said MINING LEASE AND OPTION and will carry out and fullfill those terms exactly as the original holders thereto would do.

IN WITNESS, WHEREOF, We have set our hands and seals, hereto, in triplicate this 22nd day of September, 1947, and in so doing we acknowledge receipt of a statement, officially executed, from the East Eagle Mining Company that it does accept, and will comply, with the terms and conditions as set out in said MINING LEASE AND OPTION.

WITNESS:

Reba Douglas	Frances Oliver
G. R. Holderman	Rose Oliver

Raleigh E. Chadwell

Box 199 Baker Oregon

EAST EAGLE MINING COMPANY, INC.,

(Copper and Gold)

EAST EAGLE MINING DISTRICT

PIERCE LEASE AND OPTION

This property also being held by the East Eagle Mining Co., a corporation, by Bond and Lease is known as the Monday, July, Wilson and Apex unpatented quartz mining claim. Legally described as follows:

The Monday, unpatented quartz mining claim, location notice of which is recorded in book 42, at page 388 of the quartz location records of Baker County, Oregon.

The July, unpatented quartz mining claim, location notice ofwhich is recorded in book 42, at page 389 of the quartz location records of Baker County, Oregon.

The Wilson, unpatented quartz mining Claim, location notice of which is recorded in book 42, at page 387 of the quartz location records of Baker County, Oregon.

The Apex, unpatented quartz mining claim, location notice of which is recorded in book 42, at page 387 of the quartz location records of Baker County, Oregon.

All being located and situated in township6, Sections 29 and 32, range 72 East of the Willamette meridian in Baker County, Oregon.

Patrick Schedeen

Baker Oregon

OLIVER LEASE AND OPTION

Eagle No. 1	Book 46	Page 45
Eagle No. 2	" 46	" 613
Eagle No. 3	" 46	" 615
Tramp	Book 46	Page 300
Y ankee Girl No. 1	Book 44	Page
Yankee Girl No. 2	" 43	" 562
Yankee Girl No. 3	" 44	" 100
Yankee Girl No. 5	" 43	" 562

Raleigh & Chadwick
Box 477 Baker - Oregon

CONSENT TO TRANSFER

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned W. D. Pieree, R. G. Miles, H. M. Miles and A. D. Sturgill, caused to be executed and signed on Arpil 8th, 1947, one certain LEASE AND OPTION wherein we granted to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell the right to work and purchase the following described mining claims;

Monday, July, Wilson and Apex unpatented mining claims, all recorded in Book 42, pages 387, 388 and 389 of the Quartz Location Records of Baker County, Oregon. Said claims being situated in The County of Baker, State of Oregon.

NOW, THEREFORE, It having been brought to our attention that the afore mentioned Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, together with other associates, have formed a Corporation under the laws of the State of Oregon, and that they desire to transfer their title and interests in said LEASE AND OPTION to the afore mentioned Corporation, The EAST EAGLE MINING COMPANY.

IN COMPLIANCE THERETO, We, the issuers of the afore mentioned LEASE AND OPTION and owners of the above mentioned mining claims, hereby, give our consent and permission to the original recipients of said LEASE AND OPTION to transfer their title and interests, therein, to the EAST EAGLE MINING COMPANY, provided, and with the express understanding that the said EAST EAGLE MINING COMPANY accepts the terms and conditions therein contained and will carry out and fullfill said terms and conditions exactly as the original holders of said LEASE AND OPTION would, and were permitted to do, by said terms and conditions, and that we, the executors of the afore mentioned LEASE AND OPTION, be given a signed statement from the EAST EAGLE MINING COMPANY, officially executed, that the said sompany does accept the terms and conditions of said LEASE AND OPTION and will carry out and fullfill those terms exactly as the original holders would do.

IN WILNESS, WHEREOF, We have set our hands and seals hereunto in triplicate this 22nd day of September, 1947, and in so doing we acknowledge receipt of a statememt, officially executed, from the EAST EAGLE MINING COMPANY that it does accept, and will comply, with the terms and conditions therein contained, in said LEASE AND OPTION.

WITNESS

G. R. Holderman

G. R. Holderman

W. D. Pierce

R. G. Miles

H. M. Miles

A. D. Sturgill

Raleigh E. Chadwell

Box 199 Baker Oregon

NOTICE OF ACCEPTANCE

The EAST EAGLE MINING COMPANY, a corporation organized under the laws of the State of Oregon, hereby accepts the transfer to it, of one LEASE AND OPTION, hereinafter descreibed, from the holders thereof who are specified in said LEASE AND OPTION as the parties of the Second Part, and by accepting the afore mentioned LEASE AND OPTION the EAST EAGLE MINING COMPANY agrees to abide by and carry out the terms and provisions contained therein exactly as the original holders thereof were permitted to do by its provisions; that, henceforth, the EAST EAGLE MINING COMPANY is to be considered the Party of the Second Part in any and all places so mentioned in said LEASE AND OPTION. NOW, THEREFORE, BE IT KNOWN that the afore mentioned LEASE AND OPTION was granted by the owners of the properties therein mentioned, W. D. Pierce, A. D. Sturgill, R. G. Miles and H. M. Miles, so mentioned, in said LEASE AND OPTION as Parties of the First Part, to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, so Mentioned in said LEASE AND OPTION as Parties of the Second Part, and was executed and signed on the 8th day of April, 1947. Said LEASE AND OPTION was for the MONDAY, JULY, WILSON and APEX, unpatented mining claims, all situated in Baker County, State of Oregon, and are recorded in Book 42, pages 387, 388 and 389 of the Quartz Location Records of Baker County, Oregon.

Dated at Baker, Oregon this 22nd day of September, 1947

EAST EAGLE MINING COMPANY

By G. R. Holderman
Its President

By LaRoy Chadwell
Its Secretary

Raleigh E Chadwell
Box 677 Baker Oregon

ASSIGNMENT

FOR AND IN CONSIDERATION OF a certain number of shares of the fully paid and non-assessable capital stock of the EAST EAGLE MINING COMPANY, an Oregon Corporation, the receipt of which is hereby acknowledged, individually, we, the undersigned, holders of oneLEASE AND OPTION of certain described unpatented mining claims, which option was obtained from the owners W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, and executed and signed on the 8th day of April, 1947, hereby transfer, assign and set over unto the EAST EAGLE MINING COMPANY, above mentioned corporation, all our rights, title and interest in afore mentioned LEASE AND OPTION. Said LEASE AND OPTION was and is specifically for the MONDAY, JULY, WILSON and APEX unpatented mining claims. all recorded in Book 42, pages 387, 388 and 389, of the Quartz Location Records of Baker County, State of Oregon, said mining claims be located and situated in Township 6, Sections 29 and 32, East Range 44, Willamette Meridian, Baker County, State of Oregon.

BE IT KNOWN, That G. R. Holderman, who is a signatory of this document, but, who is not a signatory of the above mentioned LEASE AND OPTION, was granted and assigned equal rights, claims, privileges and benefits with ourselves individually, on August 23rd, 1947, by the holders of said LEASE AND OPTION, RALEIGH CHADWELL, M. C. SELLS, ROBERT CHADWELL, and LAROY CHADWELL; that the afore mentioned grant and assignment was given under our signatures and of our own free will and desire to the said G. R. Holderman for valuable services and assistance rendered us from time to time, and that his signature appearing below, transfers, assignes and sets over unto the EAST EAGLE MINING COMPANY ALL OF HIS RIGHTS, TITLE AND INTERESTS IN THE afore mentioned LEASE AND OPTION.

TO HAVE AND TO HOLD the same to the EAST EAGLE MINING COMPANY, an Oregon Corporation, its successors and assigns forever.

IN WITNESS WHEREOF, the undersigned have caused their signatures and seals to be hereto affixed this 22nd day of September, 1947.

In the presents of

_____	Raleigh Chadwell
_____	M. C. Sells
	Robert Chadwell
	LaRoy Chadwell
	G. R. Holderman

Subscribed and sworn to before me, a Notary Public in and for the State of Oregon, this 22nd day of September, 1947.

O. H. P. McCord
Notary Public in and for the
State of Oregon

Raleigh E. Chadwell
Box 199 Baker Oregon

PIERCE LEASE AND OPTION

THIS AGREEMENT made and entered into this 18th day of January, 1951, by and between W. D. PIERCE, R. G. MILES, ELAINE MILES (sole heir at law of H. M. Miles, Deceased), AND A. D. STURGILL, as parties of the first part and hereinafter referred to as first parties, and EAST EAGLE MINING COMPANY, a Corporation, as party of the second part and hereinafter referred to as second party.

W I T N E S S E T H :

WHEREAS, on the 8th day of April, 1947, a certain lease and option was made and entered into by and between W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill as parties of the first part, and Raleigh Chadwell, Robert Chadwell, LaRoy Chadwell, and M. C. Sells, as parties of the second part, wherein and whereby a lease and option was given by the said parties of the first part unto said parties of the second part on the MONDAY, JULY, WILSON, and APEX, unpatented quartz mining claims, more particularly described therein, for the term ending April 8, 1952, and,

WHEREAS, the parties of the second part in said lease dated April 8, 1947, having assigned all of their right, title, and interest in and to said lease and option to East Eagle Mining Company, a Corporation, and,

WHEREAS, it is the desire of the parties hereto to extend said lease and option for a period of three years commencing April 8, 1952, and to amend said lease and option as hereinafter set forth, now, therefore,

For and in consideration of One Dollar in hand paid by second party unto first parties, receipt of which is hereby acknowledged by first parties,

It is hereby mutually understood and agreed as follows:

1. That said lease and option dated the 8th day of April,

1947, and more particularly described above is hereby extended for a period of three years commencing April 8, 1952.

2. That during the term of the original lease and option and this extension second party will mine said property to its fullest extent at all times when the weather permits, it being contemplated by the parties hereto that the mining operation on said property will continue constantly except during the winter months when snow prevents the hauling of ore from the mining operations thereon to the mill.

3. That all other covenants and provisions in said lease and option of April 8, 1947, shall be in full force and effect during the terms of this extension as amended herein the same as though fully set out herein.

IN WITNESS WHEREOF, the first parties have hereunto set their hands and seals and East Eagle Mining Company, a Corporation, the said party of the second part has caused its lawful corporate seal to be hereunto affixed and its name to be hereto subscribed by the hands of its president and secretary the day and year first hereinabove written.

W. D. Pierce (SEAL)

R. G. Miles (SEAL)

Elaine Miles (SEAL)

W. D. Sturgill (SEAL)

EAST EAGLE MINING COMPANY, a Corporation

By G. R. Holderman
Its President

By LaRoy L. Chadwell
Its Secretary

STATE OF OREGON

County of Baker, ss.

BE IT REMEMBERED, That on this 31st day of JJanuary, 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named

W. D. PIERCE, R. G. MILES and A. D. TURGILL

who are known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and volumtarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal the day and year last above written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
10/1/52

STATE OF OREGON

County of Baker, ss.

BE IT REMEMBERED, That on this 10th day of March, 1951, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named

ELAINE MILES

who are known to me to be the identical individuals described in and who executed the within enstrument and acknowledged to me that they executed the same freely and volumtarily.

IN TESTIMONY WHEREOF, I have hereunto set myhand and official seal the day and year last above written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
10/10/52

STATE OF OREGON)
) ss.
County of BAKER)

On this 31st day of January, 1951, before me appeared G. R. Holderman and La Roy L. Chadwell both to me personally known, who being duly sworn, did say that he, the said G. R. Holderman is the President, and he, the said La Roy L. Chadwell is the Secretary of East Eagle Mining Company, a Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that the said instrument was signed and sealed in behalf of said Corporation by authority of its Board of Directors, and said President and Secretary acknowledged said instrument to be the free act and deed of said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my offical seal this, the day and year first in this, my certificate, written.

Austin Dunn
Notary Public for Oregon

My Commission Expires:
October 10, 1952

LEASE AND OPTION

THIS AGREEMENT made and entered into this 8th day of April, 1947, by and between W. D. Pierce, R. G. Miles, H. M. Miles and A. D. Sturgill, parties of the first part, and Raleigh Chadwell, Robert Chadwell, La Roy Chadwell, and M. C. Sells, parties of the second part.

WITNESSETH That the said parties of the first part, for and in consideration of the royalty rental to be paid by second parties, as hereafter set out, and in consideration of the covenants and agreements on the part of the second parties to be kept and performed all as hereafter set out, have leased and let and by these presents do lease and let unto the second parties, all the following described unpatented quartz mining property, towit:

The MONDAY, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 388 of the Quartz Location Records of Baker County, Oregon.

The JULY, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 389 of the Quartz Location Records of Baker County, Oregon.

The WILSON, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

The APEX, unpatented quartz mining claim, location notice of which is recorded in Book 42, at page 387 of the Quartz Location Records of Baker County, Oregon.

All being located and situated in Township 6, Sections 29 and 32, Range 72 East of the Willamette Meridian in Baker County, Oregon.

TO HAVE AND TO HOLD unto the second parties for a period of time beginning April 8, 1947, and ending April 8, 1952.

RESERVING Unto the first parties, their agents, assigns, or legal representatives, the right to enter upon said leased premises, at reasonable time or times, for the purposes of making inspection thereof, or for any other lawful purpose of purposes.

IN CONSIDERATION THEREOF the second parties agree to pay as rental for the use of said mining property ten per cent of all gross returns from sale of ore or concentrates to mint or smelter on ore mined from said mining properties. Shipments to be made through the First National Bank, of Baker, Oregon, and settlement made by said Bank as each return from shipments is received, such settlements to be 90 per cent of amounts received to second parties, and 10 per cent thereof, to the credit of first parties.

The second parties further agree that they will perform the annual assessment work required by law upon said mining claims and all thereof, annually hereafterbeginning, with the year 1947, and will promptly file proof of labor each year, in the name of the first parties.

The second parties to properly operate said mining property and properly work the same so as to secure the best returns from said mining operations, and will so work and operate said mine during each year and season of this lease, unless prevented by strikes, inability to purchase materials and supplies, or for any other unavoidable circumstances.

The second parties agree to promptly pay and satisfy, in full, all expenses for labor, materials and supplies, or any other indebtedness which may be incurred in mining and operating said mining property, and will, at all times, keep said mining property, and all thereof free and clear of any and all liens and incumbrances.

The second parties have the right to use such timber as may be on said premises for the use and development of said mining property, and for no other purpose.

It is agreed that at the termination of this agreement the second parties have and reserve the right to remove all tools and machinery from said mining property, but that any and all buildings erected thereon shall remain on said property, and become the property of the first parties.

The second parties agree not to sell or assign this lease, or sub-let said premises or any part thereof, to any other person, firm, company, or corporation, without first obtaining the consent of the first parties thereto, in writing.

The first parties hereby give and grant unto the second parties, the exclusive right and option to purchase said mining property at any time during the term of this lease, for the price and sum of $25,000.00, in cash, and the event the second parties do so exercise said option to purchase, whatever sum or sums has been paid to first parties, as rental royalties hereinabove set out, will be applied on said purchase price.

In case such option to purchase is exercised as aforesaid, the first parties will deliver a good and sufficient deed of conveyance to said mining property, free and clear of all liens and incumbrances whatsoever incurred by first parties or their predecessors in interest.

IT IS UNDERSTOOD AND AGREED that time is of the essence of this agreement, and in case the second parties fail to make said payments of royalties as hereinabove set out, or fail to do and perform their other covenants herein, and each of them (excepting the option to purchase) then the first parties, may, at their option, end, cancel and terminate this agreement, and re-take possession of said mining property and all thereof, with any buildings thereon, and second parties will deliver up said

mining property and all thereof, to first parties, without further notice or court action, without prejudice to first parties to collect from second parties, for any moneys due them, or for any damages against said property by second parties.

It is agreed that all covenants herein, are binding upon the heirs, administrators, executors, and assigns of the parties signing the same.

In Witness whereof we have hereunto set our hands and seals, in triplicate, on the day and year first above written.

M. C. Sells	(SEAL)	W. D. Pierce	(SEAL)
Raleigh Chadwell	(SEAL)	R. G. Miles	(SEAL)
La Roy Chadwell	(SEAL)	H. M. Miles	(SEAL)
Robert Chadwell	(SEAL)	A. D. Sturgill	(SEAL)
First Parties		Second Parties	

NOTICE OF ACCEPTANCE

The EAST EAGLE MINING COMPANY, a corporation organized under the laws of the State of Oregon, hereby accepts the transfer, to it, of one MINING LEASE AND OPTION, hereinafter described, from the holders thereof who are specified in said MINING LEASE AND OPTION as the Parties of the Second Part, and by accepting the afore mentioned MINING LEASE AND OPTION the EAST EAGLE MINING COMPANY agrees to abide by and carry out the terms and provisions contained therein exactly as the original holders thereof were permitted to do by its provisions; that, henceforth, the EAST EAGLE MINING COMPANY is to be considered the Party of the Second Part in any and all places so mentioned in said MINING LEASE AND OPTION.

NOW, THEREFORE, BE IT KNOWN that the afore mentioned MINING LEASE AND OPTION was granted by the owners of the properties therein mentioned, Frances Oliver and Rose Oliver, so mentioned in said MINING LEASE AND OPTION as First Parties, to Raleigh Chadwell, M. C. Sells, Robert Chadwell and LaRoy Chadwell, so mentioned in said MINING LEASE AND OPTION as Second Parties, and was executed and signed before a Notary Public in the city of Baker, Oregon, on the 19th day of April, 1945. Said MINING LEASE AND OPTION was for the north half ($N\frac{1}{2}$) of the northeast quarter ($NE\frac{1}{4}$) and the southeast quarter ($SE\frac{1}{4}$) OF THE NORTHEAST QUARTER ($NE\frac{1}{4}$) of Section 32, and the northwest quarter ($NW\frac{1}{4}$) of the northwest ($NW\frac{1}{4}$) of Section 33, all in Township 6, South of Range 44 East of the Willamette Meridian, in Baker County, State of Oregon, containing 160 acres, according to the public survey.

Dated at Baker, Oregon this 22nd day of September, 1947

EAST EAGLE MINING COMPANY

BY G. R. Holderman
Its President

By LaRoy Chadwell
Its Secretary

Raleigh Chadwell
Box 77 Baker Oregon

Bonded and authorized by UNITED STATES TREASURY DEPARTMENT, NEW YORK PRODUCE EXCHANGE . . . Members of American Wood Preservers Ass'n., American Council of Commercial Laboratories, American Ass'n. of Cereal Chemists, Assoc. of Consulting Chemists and Chemical Engineers, Inc., American Society for Testing Materials, Am. Inst. Mining & Metallurgical Engrs., Amer. Institute of Chemical Engineers, American Institute of Chemists, American Chemical Society, American Oil Chemists Society, National Safety Council, Institute of Food Technologists, Optical Society of America, Amer. Institute of Physics, Ass'n. of Official Racing Chemists.

LAUCKS LABORATORIES INC.

Established 1908

CHEMISTS • TOXICOLOGISTS • BACTERIOLOGISTS • ASSAYERS • SPECTROGRAPHERS • METALLURGISTS • ENGINEERS

December 8, 1949

1008 WESTERN AVE., SEATTLE 4, WASHINGTON

107837

CERTIFICATE

No.

WE HEREBY CERTIFY THAT WE HAVE ASSAYED THE SAMPLES SUBMITTED TO US BY

Mr. A. L. Olson
1419 Church Street
Baker, Oregon

AND THAT THEY CONTAINED THE FOLLOWING PER TON OF 2,000 POUNDS:

ORE

SAMPLE MARKED	GOLD		SILVER						TOTAL VALUE PER TON
	OZ. TROY PER TON	VALUE PER TON	OZ. TROY PER TON	VALUE PER TON	PER CENT	VALUE PER TON	PER CENT	VALUE PER TON	
Monday Nov 21	0.57	19.95	0.1	$ .09	-	$ -	-	$ -	$20.04

$35.

VALUATION

GOLD .90 PER OZ. LEAD CTS. PER LB.

SILVER CTS. PER OZ. COPPER CTS. PER LB.

FOR FURTHER INFORMATION REGARDING THESE SAMPLES REFER TO SAME BY CERTIFICATE NUMBER

RESPECTFULLY SUBMITTED.

Laucks Laboratories, Inc.

BY J. P. Edwards

Pres. [illegible]

FORM-120 LITHO IN U.S.A.

Laucks Laboratories, Inc.

BONDED AND AUTHORIZED BY
NEW YORK PRODUCE EXCHANGE
INTERSTATE COTTONSEED CRUSHERS ASS'N
AMERICAN BUREAU OF SHIPPING
AMERICAN WOOD-PRESERVERS' ASS'N
U.S. TREASURY DEPARTMENT
REFEREE CHEMIST
AMERICAN OIL CHEMISTS SOCIETY

ESTABLISHED 1908

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314 Maritime Bldg. Western Ave. at Madison St.
Seattle

TACOMA
PORTLAND
VANCOUVER, B.C.
SPOKANE

CABLE ADDRESS "LAUX"
PHONE MAIN 4203

November 16, 1949

CERTIFICATE NO. 107586-A

SEATTLE.

WE HEREBY CERTIFY THAT WE HAVE ASSAYED THE SAMPLES SUBMITTED TO US BY

Mr. Clarence Roenhild
4414 - 46th South
Seattle, Washington

AND THAT THEY CONTAINED THE FOLLOWING PER TON OF 2,000 POUNDS:

ORE SAMPLE MARKED	GOLD		SILVER		Copper				TOTAL VALUE PER TON
	OZ. TROY PER TON	VALUE PER TON	OZ. TROY PER TON	VALUE PER TON	PER CENT	VALUE PER TON	PER CENT	VALUE PER TON	
	0.04	$ 1.40	6.6	$ 5.94	17.15	$58.31	-	$ -	$ 65.65

VALUATION

GOLD $35 PER OZ. LEAD CTS. PER LB.
SILVER 90 CTS. PER OZ. COPPER 17 CTS. PER LB.

FOR FURTHER INFORMATION REGARDING THESE SAMPLES REFER TO SAME BY CERTIFICATE NUMBER

RESPECTFULLY SUBMITTED.

Laucks Laboratories, Inc.

BY F. P. Owens

FORM 120 LITHO IN U.S.A.

156 EAST IDAHO STREET

TELEPHONE 96-W

WEISER ASSAY OFFICE

COMMERCIAL CHEMISTRY

WEISER, IDAHO

FOLIO 119

DATE May 6, 2910

East Eagle Mining Co.,
Box 690
Baker, Oregon

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
Sample #1- Average along 75 ft. lower level	0.04	0.10	0.40					22.95
Sample #2- Ok on 21/00 sample near first switch	0.01	trace	0.25					1.25
Sample #3- Zenith top of mountain	0.18	0.90	6.40					30.85

Surface
Sample
Weight of

Charge $ 7.50

ASSAYER

156 EAST IDAHO STREET

TELEPHONE 96-W

WEISER ASSAY OFFICE

COMMERCIAL CHEMISTRY

WEISER, IDAHO

FOLIO 65

DATE [redacted]

East Eagle Mining Co
Baker, Oregon

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
Copper stain	0.32	0.40	17.05					$74.65

Charge $ 2.50

ASSAYER

CERTIFICATE

Bonded and authorized by UNITED STATES TREASURY DEPARTMENT, NEW YORK PRODUCE EXCHANGE . . . Members of American Wood Preservers Ass'n., American Council of Commercial Laboratories, American Ass'n. of Cereal Chemists, Assoc. of Consulting Chemists and Chemical Engineers, Inc., American Society for Testing Materials, Am. Inst. Mining & Metallurgical Engrs., Amer. Institute of Chemical Engineers, American Institute of Chemists, American Chemical Society, American Oil Chemists Society, National Safety Council, Institute of Food Technologists, Optical Society of America, Amer. Institute of Physics, Ass'n. of Official Racing Chemists.

LAUCKS LABORATORIES INC.
Established 1908

CHEMISTS • TOXICOLOGISTS • BACTERIOLOGISTS • ASSAYERS • SPECTROGRAPHERS • METALLURGISTS • ENGINEERS • SAMPLERS • INSPECTORS

1008 WESTERN AVE., SEATTLE 4, WASHINGTON

November 16, 1949

Report No. 107586

Mr. Clarence Roenhild
4414 - 46th South
Seattle, Washington

Dear Sir:

We hereby certify that we have made a quantitative spectrographic test and a fire assay of the sample of

ORE

submitted to us by you, and we have to report as follows:

	Estimated Quantities
Silicon calculated as SiO_2	40% to 50%
Iron calculated as Fe_2O_3	20% to 25%
Sulphide Sulphur (S)	Present
Copper (Cu)	16% to 18%

Trace quantities of the following:

Magnesium (Mg)	Nickel (Ni)	Manganese (Mn)
Aluminum (Al)	Cobalt (Co)	Chromium (Cr)
		Calcium (Ca)

The elements shown in the above analysis are present as shown but they may not be recoverable by commercial methods.

Respectfully submitted,

LAUCKS LABORATORIES, INC.

By F. P. Owens

FPO:jk

MEMBER

THIS REPORT IS SUBMITTED FOR THE EXCLUSIVE USE OF THE PERSON, PARTNERSHIP, OR CORPORATION TO WHOM IT IS ADDRESSED. SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF IN CONNECTION WITH THE ADVERTISING OR SALE OF ANY PRODUCT OR PROCESS WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

EAST EAGLE MINING COMPANY
October 23, 1952

	Sample #	Description	Assay	
10/23/52	105 A	Main tunnel - 6 sets (30') S. #2 raise. 6' channel cut west side	Cu	0.4%
Check sample	105 A	Main tunnel 5 sets (25') south #2 raise. 6' channel west side	Cu	5%
	104 A	Main tunnel 5 sets (25') south #2 raise. 4' channel cut west side	Cu	2%
	103A	Main tunnel 4 sets (20') south #2 raise. 6½' channel cut west side	Cu	1%
XXX	102 A	Main tunnel 10' south #2 raise 8' channel cut west side	Cu	0.5%
XX	101 A	Main tunnel 5' south #2 raise 8' channel cut west side	Cu	2%
X	100 A	Main tunnel at #2 raise 8' channel cut west side	Cu	0.5%
		#2 raise MAIN TUNNEL		
	107 A	Main tunnel 5' north #2 raise 4' channel cut on west side	Cu	0.8%
	108 A	Main tunnel 10' north #2 raise 8' channel cut west side	Cu	2%
	109A	Main tunnel 15' north #2 raise 6' channel cut west side	Cu	1%
	110 A	Main tunnel 35' north #2 raise 5' channel cut west side	Cu	0.5%
	111A	Main tunnel 35' north #2 raise 6' channel cut west side	Cu	0.3%
	112 A	Main tunnel 40' north #2 raise 2½' channel cut west side	Cu	0.75%
	113 A	Main tunnel 45' north #2 raise 4' channel cut west side	Cu	3%
	114A	Main tunnel 115' north #2 raise 1' channel cut west side	Cu	1%
	115 A	Main tunnel 120' north #2 raise at face of drift. 18" channel cut	Cu	3%
	116 A	Main tunnel 125' north #2 raise at face of drift. 15" channel cut	Cu	3%
	#1	Cross cut tunnel west of station	Cu	0.5%
	#3	Main cross cut tunnel west of station 2' channel cut	Cu	0.5%
	#5	Main cross cut tunnel, 3' channel	Cu	Trace
	Drillings	Copper dike	Cu	Nil
		Sample of fall 10/23/52 3' channel	Cu	2⅓%

Richards & Chambers
Ref. Mr. Report Copper

E R Hardman
assayer

MONDAY MINE

Assays run July 16, 1950

#1	Rock picked from ore pile - last load brought down in spring of 1950	Au 3.72 oz 7.44	Ag 0.52 1.04	$130.40 260.80
#2	High grade above MONDAY ON surface	Au 3.64 7.28	Ag 0.18 .36	127.55 255.10
#3	McGee pocket. Sample in sack in Bunk House	Au 0.10 .20	Ag nil	$ 3.50 7.00
#4	Face of drife - lower tunnel	Au 0.04 .08	Ag nil	$ 1.40 2.80
#5	Cut along road - Bobs sample	Au 0.05 .10	Ag nil	$ 1.75 3.50
#6	Raise - lower tunnel	Au 0.04 .08	Ag nil	$ 1.40 2.80
#7	Grey rock - upper tunnel	Assay spoiled		
#8	Brown rock from hole below zenith	Au 0.12 .24	Ag ----	$ 4.20 8.40
#9	Brown rock - cut around hill from Monday	Au 0.05 .10	Ag ----	$ 1.75 3.50
#10	Dunning sample - Assay spoiled and lost			

G. R. Hilderbrand
Assayer

Received & Transmitted
Dept. of Mines - Oregon

EAST EAGLE MINING COMPANY

October 25, 1952

Sample No.	Description	Assay
118A	Main tunnel. Face of drift 130' north of #2 raise. 3' channel of ore	Cu 2.5%
4	Zenith vein 10' south of #3 sample taken in open cut	Cu 3%
1	Zenith vein. Sampled at open cut in north end.	Cu 13%
2	Zenith vein. Sample of open cut 20' south of #1 sample	Cu 30%
3	Zenith vein. Sample of open cut 15' south of #2 sample	Cu 20%
5	Zenith vein. Sample of open cut 30' south of #4 sample	Cu 3%
X	Sample of ore in hole under road near Zenith vein (North of Zenith vein)	Cu 10%

R. Heldrewood
Assayer

Raleigh E. Inchiter

Rep. off Oregon

LIFE HISTORY OF MINING EXPERIENCE OF

RALEIGH CHADWELL

My father, being a miner and prospector, gave me an early start in the field of mining. Between the age of 12 and 18 I spent a great deal of time prospecting with him, learning much about rocks and rock structure as well as vein formations under ground during that time.

After finishing school I went to work for the U. S. Smelting and Mining Company as a mucker in their Rainbow Mine at Baker, Oregon. This was in 1913 and as I wanted to get some practical experience I moved from mine to mine in Oregon, Nevada, Arizona and Idaho for the next two years - even a trip into British Columbia, prospecting. From there I came back to Oregon, working for a time for the Queen Of The West mine and later for the Cornacopia Gold Mines. In 1915 I went to work for the Gold Coin Mine of Durkee, Oregon, and in a short time I was appointed Foreman of that operation. When the Gold Coin Mine closed down I went back to the Cornacopia Gold Mines as timberman, working there until the fall of 1917. In 1918 I went to the Couer d'Alenes, of Idaho, working in the Last Chance Mine as mucker and the Bunker Hill and Sullivan as timberman. In 1923 I contracted to drive a cross cut tunnel for the Baisley Elkhorn Mine, completing that tunnel on schedule. In the years following I worked in several mines at various places as mucker, timberman, shift boss, all to gain knowledge of mining in as many phases as possible. In 1929 to late 1930 I worked with Stewart Campbell, E. M., inspecting mines for their potential worth, cutting samples for assay and making reports on such mines inspected. Following this and up to 1934 I worked for the Daddy Lode mine of Baker, Oregon, as sampler, the Mother Lode mine as miner, the Whitehead mine as timberman, The Hiland Mine of Haines Oregon, miner, the Rainbow Mine of Oregon, timberman, Iron Dike Mine of Homestead as miner and timberman. At Jarbidge, Nevada I worked for the Guggenheim interests as miner and timberman, the back to Oregon to the Regan Mine, where I was mamager.

In 1934 I took charge of, as manager and supervisor, a group of mines headed by a Mr Baker of Winnemuca, Nevada. Baker, Oregon being my home I always headed back to that vicinity, so after leaving Winnemuca I went to work for the Argonot Mine of Sumpter, Oregon as foreman. Following this I worked for a number of mines up to the year 1942 as shift boss, foreman, manager and supervisor. For the Regan Mine, which seemed to change hands often, I worked as foreman. I was employed by the Bend Mining Company. Bend, Oregon as Manager and Supervisor. Under Lease and Bond I worked the Gold Bug mine of Auburn, Oregon, on my own. I was unable to make this property pay because the vein was too small for sustained mining. From there I went back to the Regan mine as manager. In 1942 I was working for the Friday Mine, Baker, Oregon, as foreman when I had an affer from the Union Silver Mining Company to take charge of their operations on the headwaters of the Grande Ronde river in Union County, Oregon. After inspecting the property I accepted the offer and worked for them as General Manager from July 1942 until their operations were closed down in the fall of 1944. During the winter of 1944 I worked for the Bradley Mining Company as foreman. Following this I worked for my own mining interests until September 1947, when I took over the General Managers position for the East Eagle Mining Company of Baker, Oregon, where I am still in that position.

Raleigh Chadwell

Box 699 Baker Oregon

BREAKDOWN COST PER FOOT PER DAY

SALARY:			
Mine Superintendant	$500.00 per month	(per shift)	$ 6.94
Assayer	$350.00 " "	"	4.72
Drillers (Drilling time	$2.00 per hour)	"	16.00
Chuck Tender	$1.75 " "	"	13.20
Mucking Mach. Operator	$1.75 " "	"	13.20
Trammer	$1.50 " "	"	12.00
Timberman	$2.00 " "	"	16.00
Blacksmith	$1.75 " "	"	13.20
FUEL CONSUMPTION:			
Diesel oil	@ 80¢ per gallon	(8 gallon per shift)	6.40
Oil	@ 45¢ Per Quart	(1 quart per shift)	.45
BLASTING MATERIAL:			
Powder	$21.90 per hundred lbs.	(69 sticks per shift)	4.14
Caps	@ 23¢ each	(15 caps per shift)(Electric caps)	3.45
Carbide	$11.40 per hundred lbs.	(1½ lbs. per shift)	.76
Drill Bits	(wear and breakage per shift)		4.50
		PER SHIFT TOTAL COST	$ 114.96
		10 feet per shift cost per foot	11.50
		Unforseen costs, rail, pipe	12.00
		TOTAL COST PER FOOT	$22.50

Raleigh & Chadwick
Box 677 Baker - Oregon

DMEA # 6a

EAST EAGLE MINING COMPANY

FINANCIAL STATEMENT

DECEMBER 31, 1951

ASSETS:		
Current Assets:		
First National Bank	$ 195.13	
Advance for Expenses	(8.96)-	
Rotary Mills, Inc.	100.00	
Total Current Assets		$ 286,17
Fixed Assets:		
Truck Equipment	$ 4,480.00	
Plant and Equipment	20,565.00	
Office Equipment	670.00	
Tools	2,085.00	
Buildings	34,515.00	
Mineral Claims	98,000.00	
Development Work	96,210.00	
Mill Equipment	44,850.00	
Mill Construction	29,110.00	
Shop Equipment	1,855.00	
Total Fixed Assets		$332,340.00
Prepaid Expenses:		
Prepaid Insurance	$ 210.00	
Total Prepaid Insurance		$ 210.00
Intangible Assets:		
Goodwill	$50,000.00	
Total Intangible Assets		$50,000.00
TOTAL ASSETS		$382,836.17

Waleight & Andrews

By G.W. Baker-Cowgill

EAST EAGLE MINING COMPANY

Development work from January 1, 1952 to October 20, 1952

Ten days Bulldozer work opening road to mine late in March and early in April $10.00 per hour $ 800.00

Twenty days Bulldozer work at our Monday mine and Zenith mine doing prospecting and Development $10.00 per hour $ 1600.00

Three days Bulldozer work building road towards our Sheeprock mine. $10.00 per hour

Assessment work for two claims $ 240.00

General operating expense of mining, development, repairs of equipment and buildings

Robert Chadwell	wage	$1500.00	
LaRoy Chadwell	"	1500.00	
Raleigh Chadwell	"	1500.00	
Oscar Pierce	"	1300.00	
Eva Pierce (cook)	"	850.00	
G.R. Holderman	"	1200.00	$7,850.00
			$10,490.00

Raleigh E Chadwell
Box 677 Baker Oregon

EQUIPMENT COSTS

Power Plant and Switch Boxes	$ 32,549.71
Flotation	2,621.85
Ball Mill	2,500.00
1 - 25 hp Motor	80.00
Allis Chalmers Ore Feeder	310.00
Classifier (Dor Rake Type)	495.00
Amalgamator	601.51
1 - 1hp Electric Motor	76.00
Jig 12X18 Duplex	819.98
Motors:	
1 - 1 1/2hp Wagner - Serial #1475112	89.00
1 - 1hp Glador " #52884	76.00
1 - 3hp Fairbanks Morris #1071174	117.00
1 - 1hp Fairbanks Morris with reducer-#E24005, Model 11E206B6	326.00
1 - 10hp #591534 Fairbanks Morris	263.00
Reagent Feeder:	
1 Model E Serial #567 Clarkston	50.00
1 Lime Feeder- Kansas City Grinder	30.00
Welder (Gas Driven) Hobart Arc Welder #DW11167 40 volt 300 amp -motor Chrysler Industrial type 118-502, serial 3303-42	1000.00
Rails - 3500 #8	350.00
Pipe - 360' - 4"	360.00
400' - 3"	300.00
1000' - 2"	300.00
100' - 1 1/4"	20.00
400' - 1"	72.00
200' - 3/4"	30.00
Buda Diesel	4000.00
Tools	2085.00
D - 6 Diesel Tractor Caterpillar - #25 Cable Control Unit and Kay Brunner Model HB - 40B Trailbuilder	7500.00
Battery Charger - Willard Heavy Duty	63.00
Acetylene - Cutting and welding torches tips, hose, gages	185.00
Tool Sharpener - Gardner Denver Model 3A	250,00
Compressor - Sullivan - Size 12X10 Class W86	1200.00
Cable - 450' - 3/4"	112.50
900' - 1/2"	225.00
800' - 5/8"	200.00
Copper Wire -	
1500' - #10	20.00
3000' - #14	20.00
Fuel Tanks - 1 - 750 Gal. - 1 - 380 Gal	300.00
Drill Machines - Rotator # 91	300.00
TOTAL	$ 59,897 .55

Raleigh E Chandler

Box 699 Baker Oregon

INVESTMENTS

LIGHT PLANT:	
Ditch, flume, building, plantdive units	$ 2600.00
WATER SUPPLY TO MILL:	
9000 gal tank, 1400' pipe, dozer work, complete with labor to lay pipe	3800.00
WATER SUPPLY TO CAMP:	
350 gal tank, 650' pipe, tank, Labor and material on installation	720.00
BRIDGE ACROSS RIVER	1000.00
ROADS AVAILABLE FOR GETTING OUT MINING TIMBER	4000.00
BUILDING GRAVEL BUNKER	650.00
TOTAL	$ 12,770.00

Raleigh E Chadwell
Box 699 Baker Oregon

MILL

POWER PLANT
General Motors Diesel Electric
Engine Model No. 3-268A Serial No. 21445
Distribution switch panel 100KW 450 volts AC 3 phase 60 cycle

SWITCH BOXES - FUSE BOXES
Switch box Style No. 1420570A 7½ hp maximum - Westinghouse
3 - Line starter switch boxes Type M Westinghouse
1 - Starter switch 7½ hp maximum Cutler Hammer
1 - Starter switch Square D type 25hp maximum
1 - Automatic heater switch - compensator Ct No. 4386985
1 - Fuse box Style K62157 220-440 volts Westinghouse
1 - Fuse box Cutler Hammer motor control
5 - Fuse boxes Trumble Electric Mfg. Co. 7½ hp maximum
1 - Fuse box Square D 15 hp 100 amps Cat #46353 Trumble

FLOTATION
Booth Battery of six cells with motors
1 - 2 hp Serial No. 5012)
1 - 2 hp Serial No. 222V28M) Westinghouse
1 - 2 hp Serial No. 522V28M)

BALL MILL
Denver Equipment 50 ton capacity with Clutch
1 - 25 hp motor Serial No. 3K5943.9 Allis Chalmers
Ore feeder Hendy Challenge disc type
Classifier Dore rake type

AMALGAMATOR
Gibson Impact 50 ton capacity with motor drive
1 - 1 hp Serial No. AY15513 General Electric

JIG
Denver Equipment 12X18 Duplex with motor
1 - 3/4 hp Serial No. YB20780 General Electric

MOTORS
1 - 1½ hp Serial No. 1475112 Wagner Electric
1 - 1 hp Serial No. S2884 Glador Electric Co.
1 - 3 hp Serial No. 1071174 Fairbanks Morris Co.
1 - 1 hp Serial No. E24005 Fairbanks Morris Co.
With speed reducer Model #11E206B6 Serial No. 117616
Falk
1 - 10 hp Serial No. 591534 Fairbanks Morris Co.

REAGENT FEEDER
1 - Model E Serial No. 567 Clarkston
1 - Lime feeder Kansas City Grinder Co.

WELDER
1 - Gas driven Hobart arc welder Serial No. DW11167 40 volt
300 amp
Engine Chrysler Industrial type 118-502 Serial No. 3303-42

BATTERY CHARGER - Wilard Heavy duty

ACETYLENE
Cutting and welding torches, tips, hose, gauges and welding rods

TOOL SHARPENER
Gardner-Denver Model 3A

COMPRESSOR
Sullivan Size 12X10 Class WG6
Receiver tank 2' 6" X 8'

Raleigh E. Bradshaw
Box 699 Baker Oregon

CABLE
450' 3/4" 900' 5/8"

COPPER WIRE
1500' #10 3000' #14

FUEL TANKS
1 - 750 gallon capacity
1 - 380 gallon capacity

DRILL MACHINES
1 - Rotator #91

RAILS
3500' of 8 lb

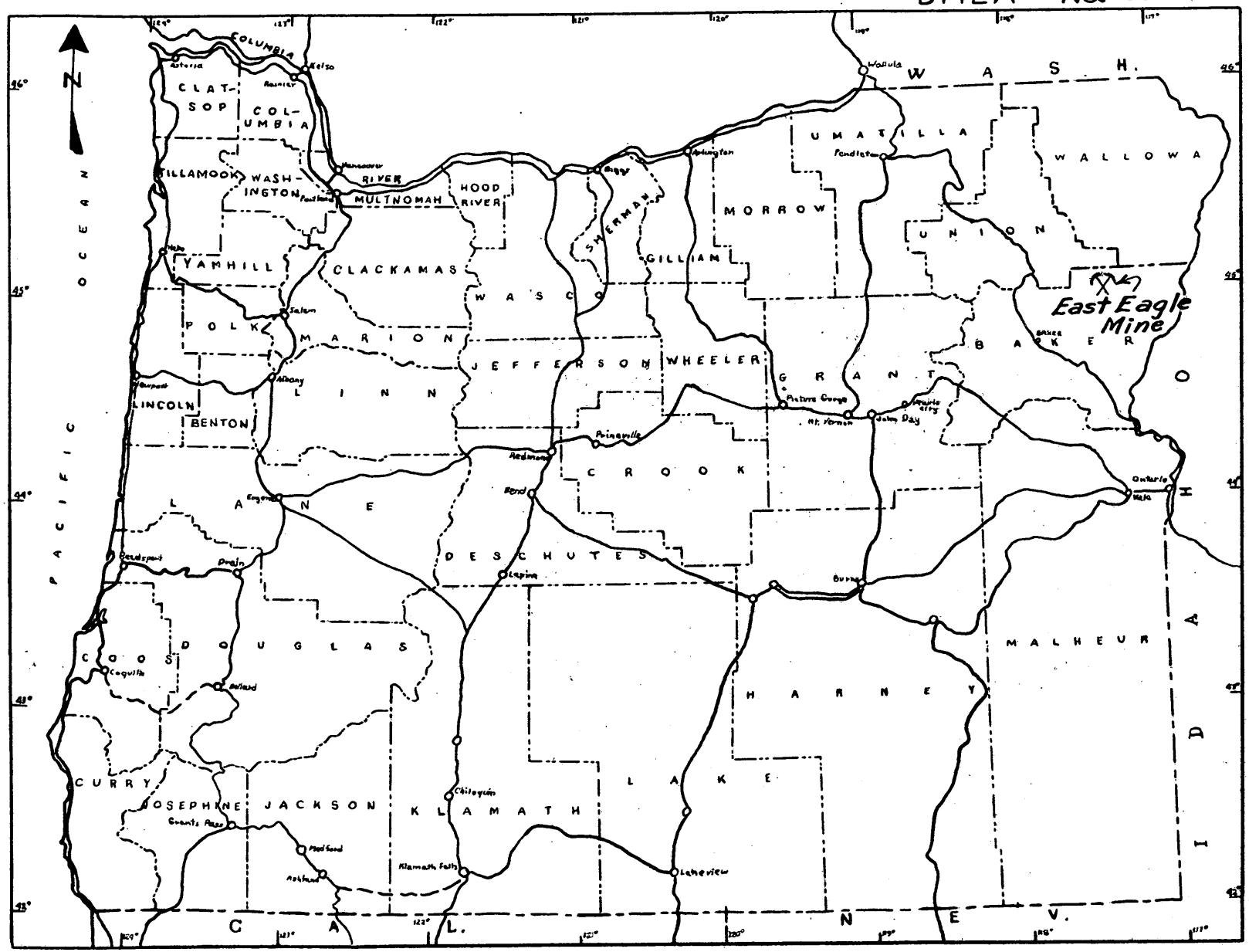
PIPE
360' 4" 400' 3" 1000' 2" 100' 1¼" 400' 1" 200' 3/4"

BUDA DIESEL

TOOLS

Raleigh E. Anderson
Box 692 Oakridge Oregon.

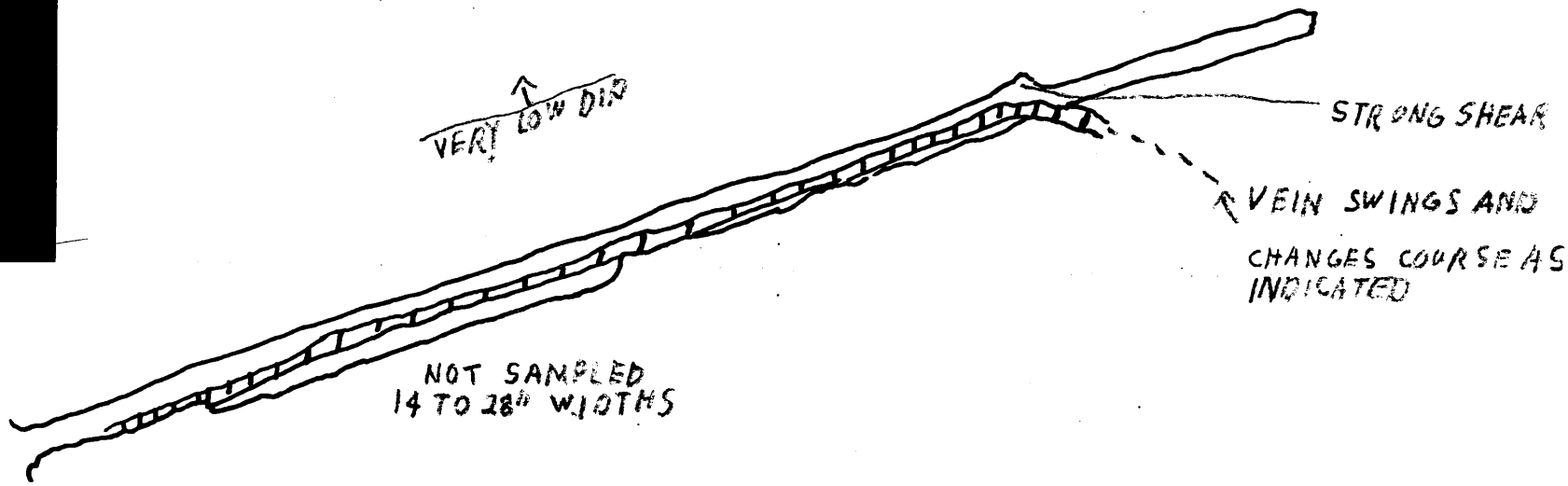
DMEA No. 2786



INDEX MAP

STATE OF OREGON

Scale 10 0 10 20 30 40 Miles

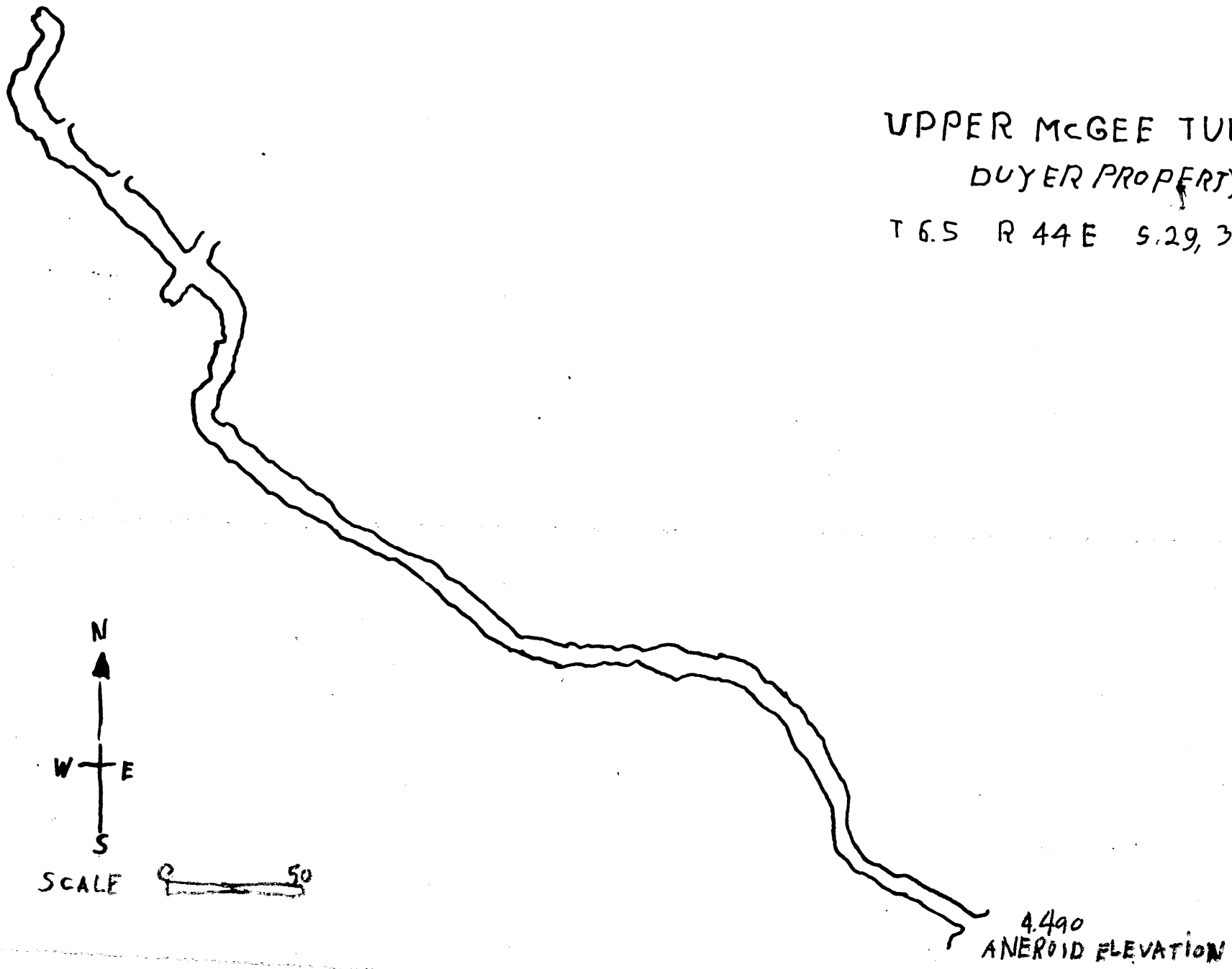


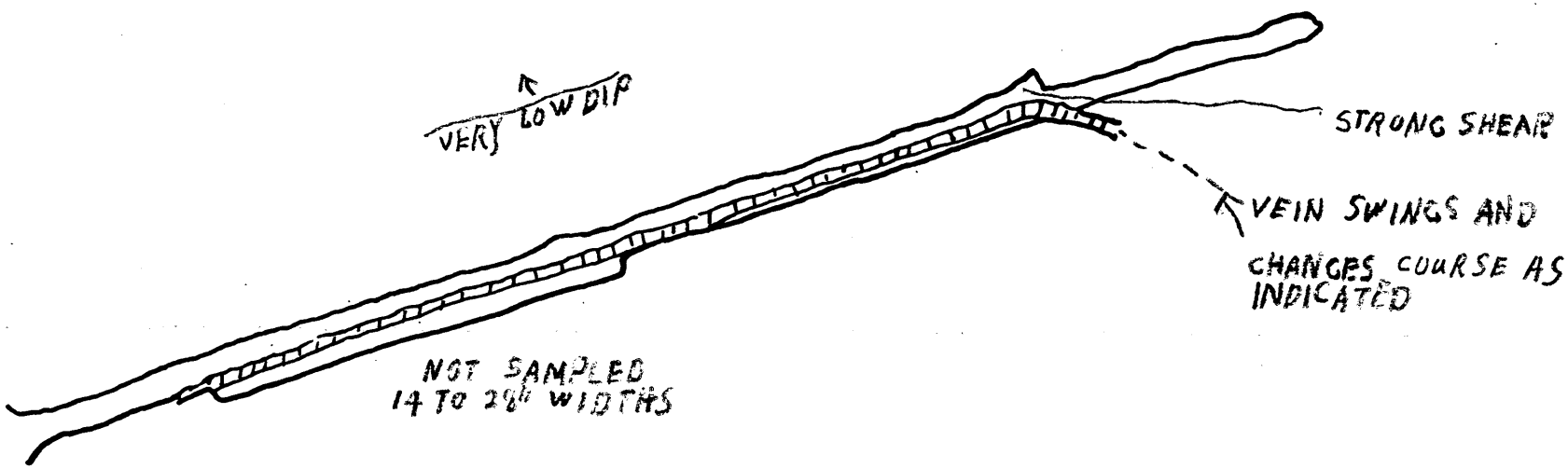
DUNHAM MILES GROUP
MONDAY CLAIM

UPPER McGEE TUNNEL

DUYER PROPERTY

T 6.5 R 44 E S.29, 32, 33



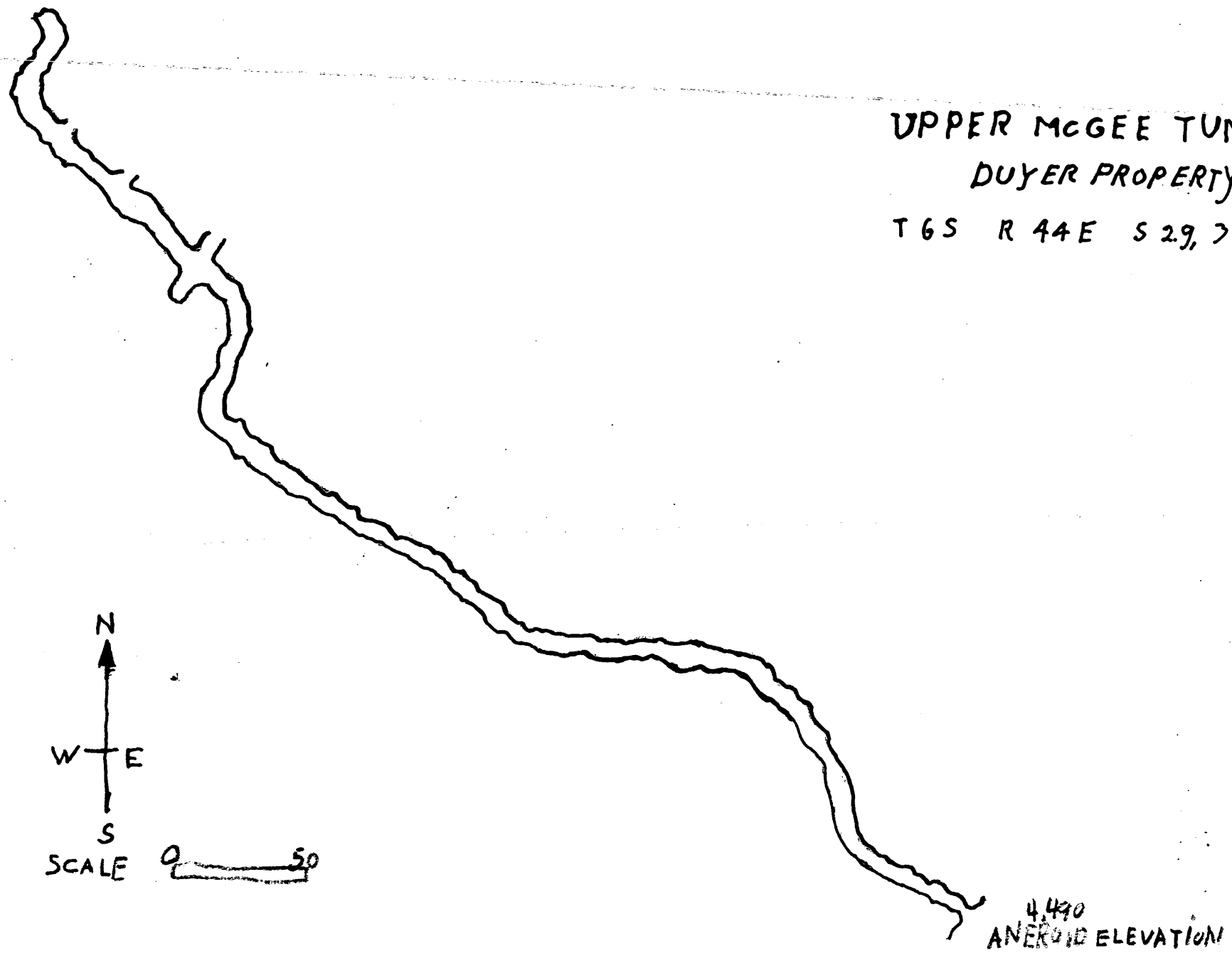


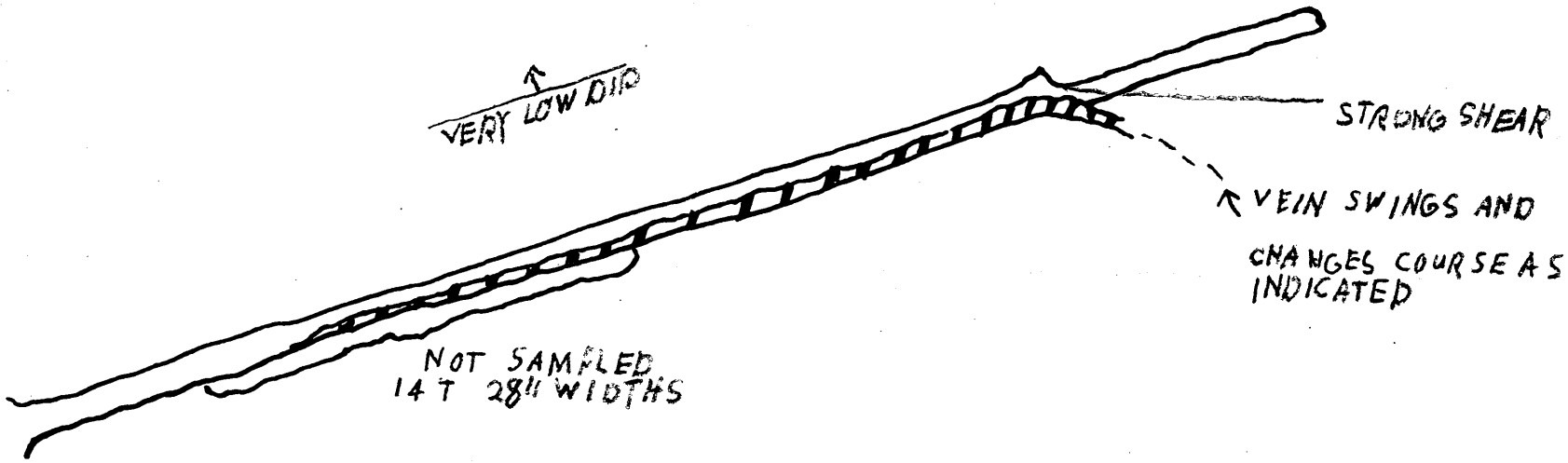
DUNHAM MILES GROUP
MONDAY CLAIM

UPPER McGEE TUNNEL

DUYER PROPERTY

T 6 S R 44 E S 29, 32, 33



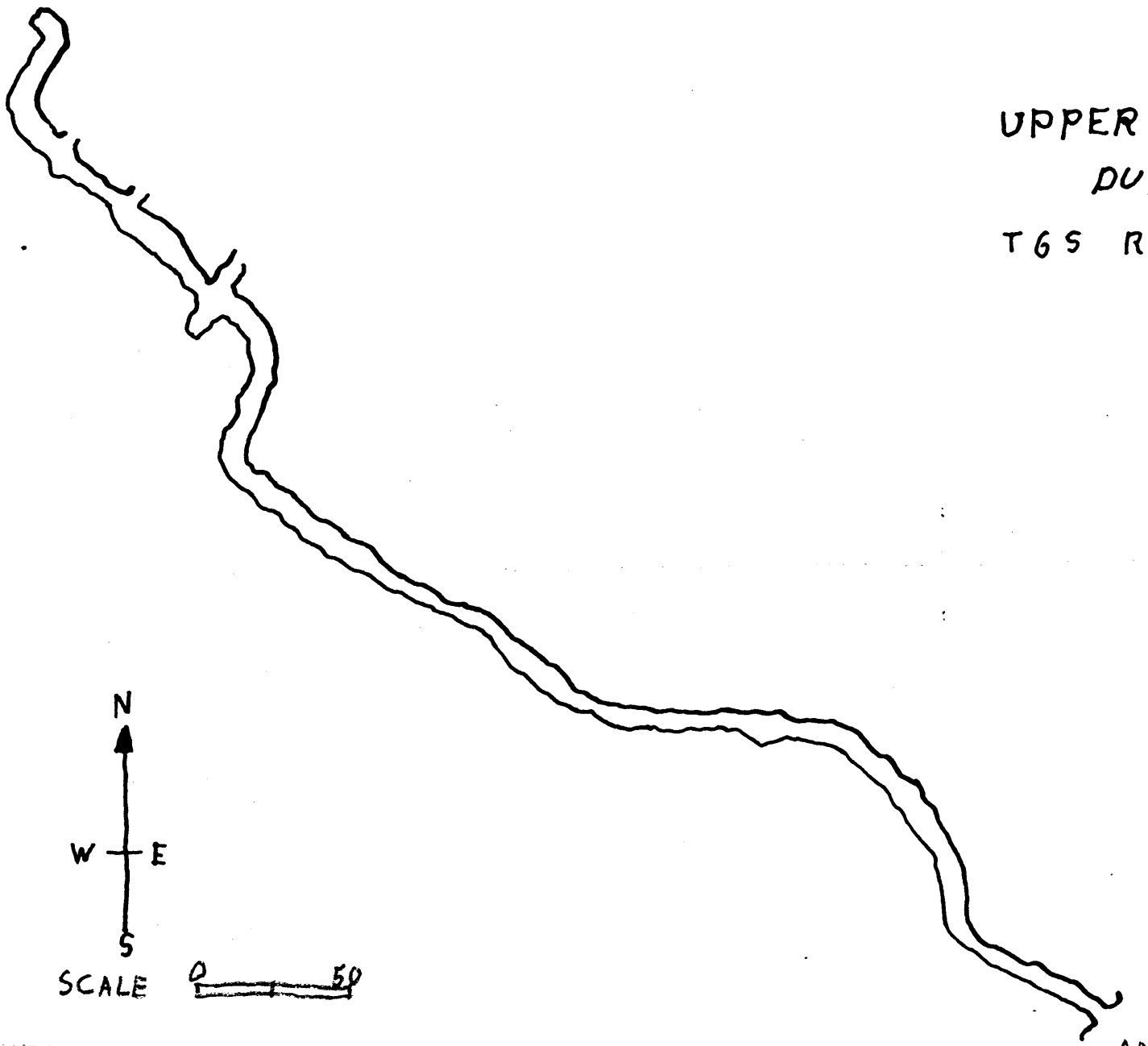


DUNHAM MILES GROUP
MONDAY CLAIM

UPPER McGEE TUNNEL

DUYER PROPERTY

T 6 S R 44 E S 29, 32, 33

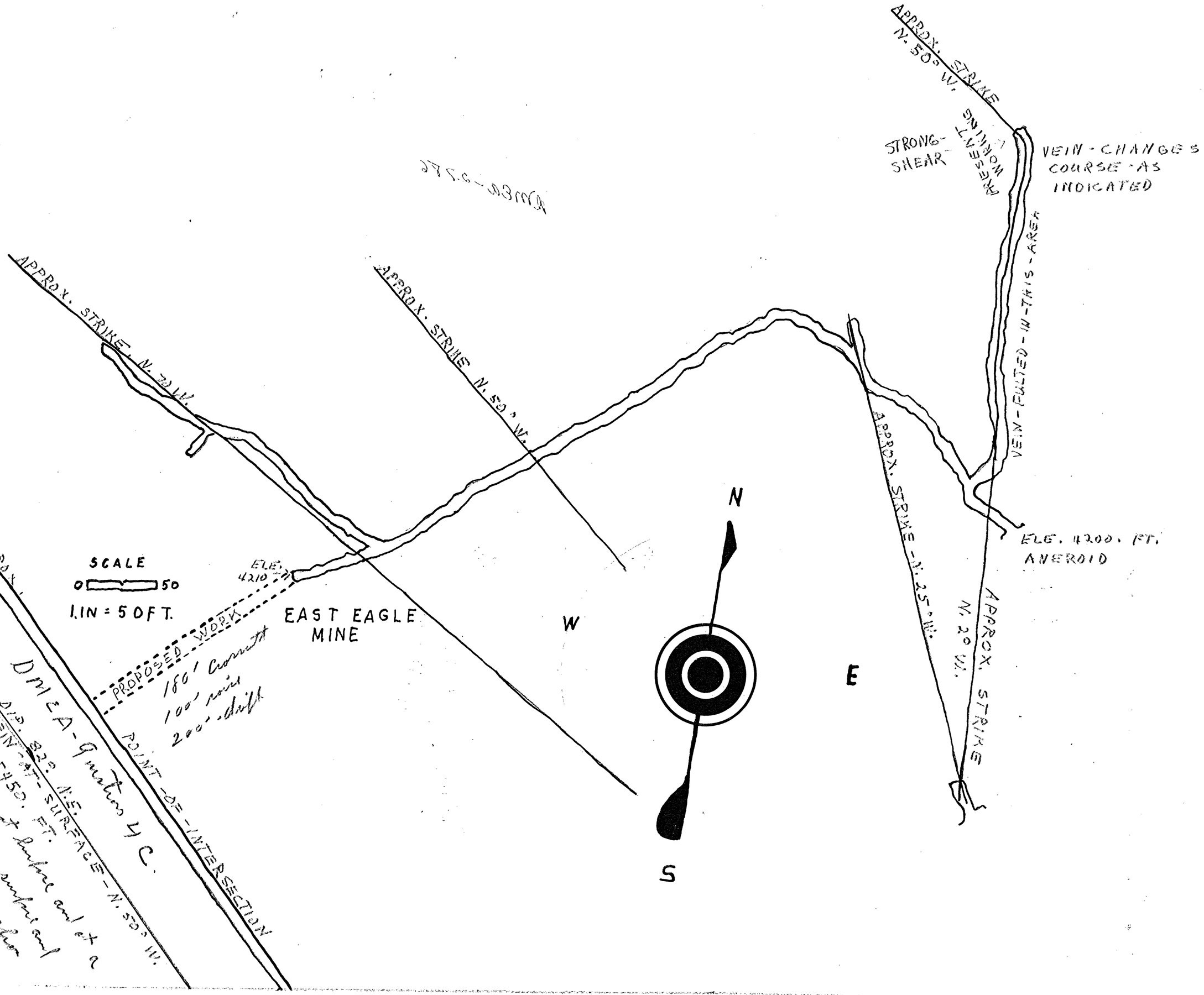


4,490
ANEROID ELEVATION

9-160 C
RETURN IF NOT DELIVERED
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
E. 157 HOWARD St.
Spokane 8, Wash.
OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(GPO)

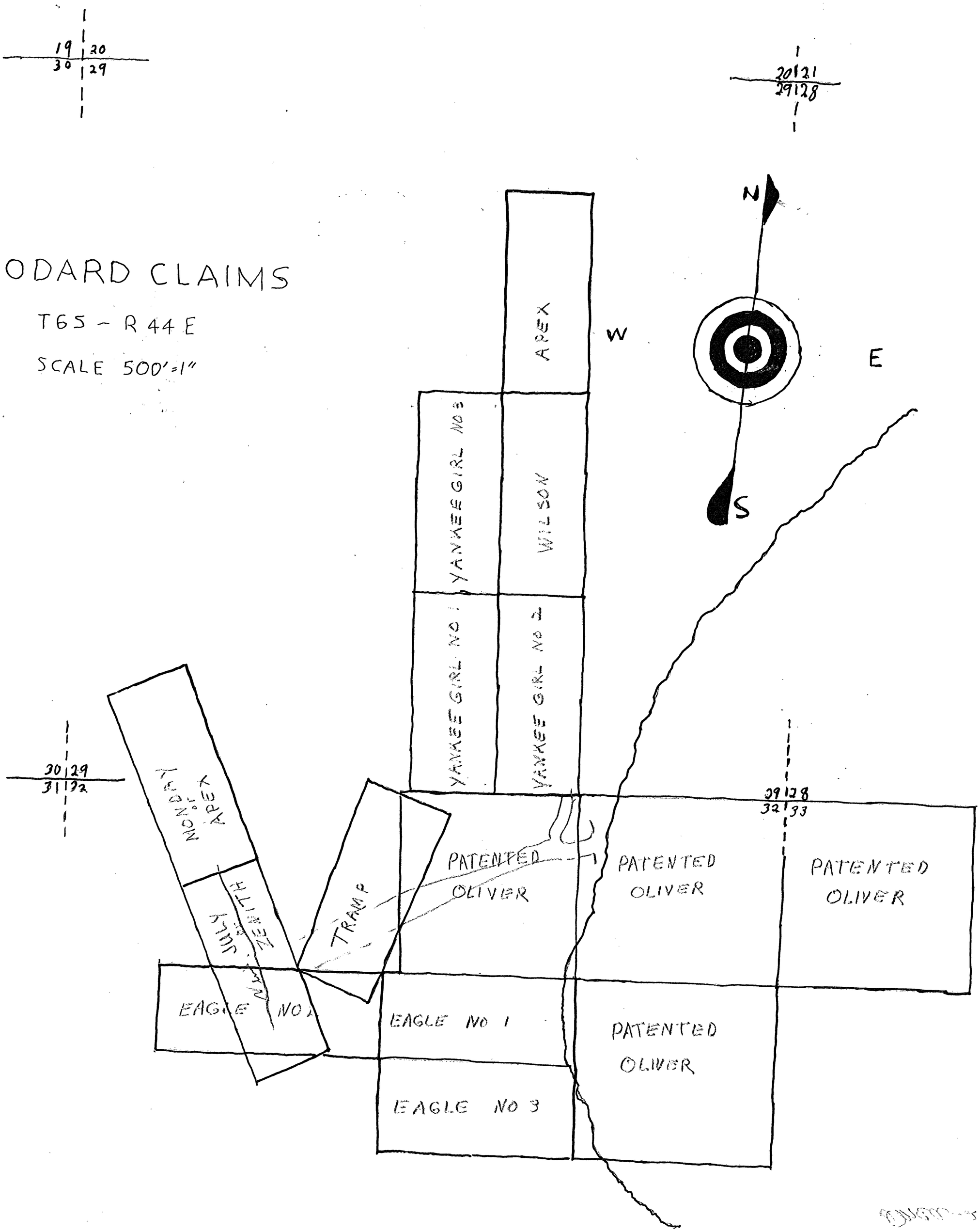
Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.


APPROX. STRIKE N. 50° W.
STRONG-SHEAR
PRESENT MORNINGS
VEIN - CHANGES COURSE - AS INDICATED
VEIN - FULTED - IN - THIS - AREA
APPROX. STRIKE N. 50° W.
APPROX. STRIKE N. 70° W.
APPROX. STRIKE - N. 25° W.
ELE. 4200. FT. ANEROID
APPROX. STRIKE N. 20 W.
N
E
S
W
SCALE
0 50
1. IN = 50 FT.
ELE. 4210
EAST EAGLE MINE
PROPOSED WORK
186' crosscut
100' raise
200' drift
APPROX.
STRIKE - OF - VEIN - AT - SURFACE - N. 50° W.
DMEA - Quartz Lode
DIP. 82° N.E.
ELE. 5450. FT.
POINT - OF - INTERSECTION

WOODARD CLAIMS

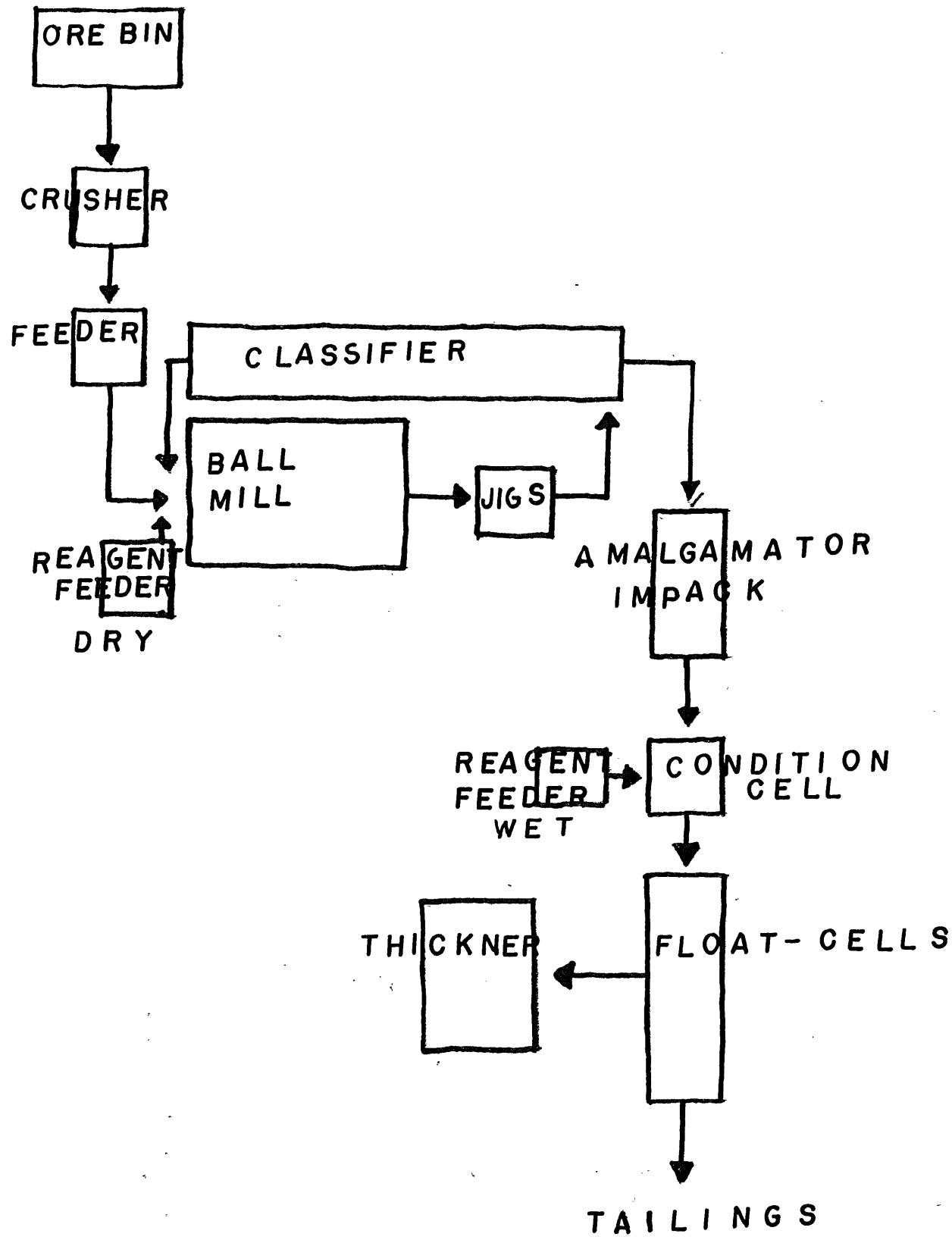
T65 – R44E

SCALE 500'=1"



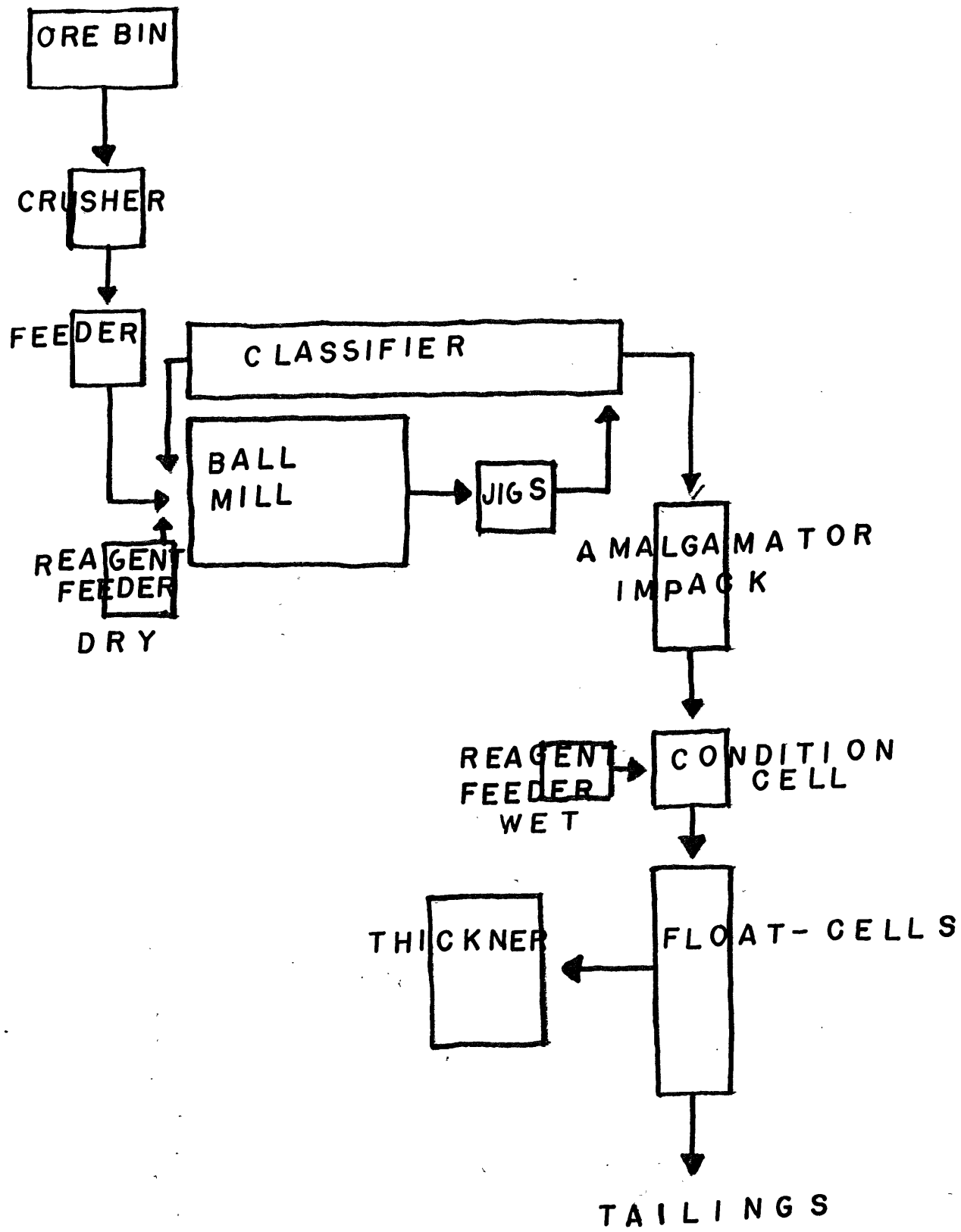
FLOW-SHEET
EAST EAGLE MINE
INC.

BY
G. P. MARSHALL M.E. OCT.
1952



FLOW-SHEET
EAST EAGLE MINE
INC.

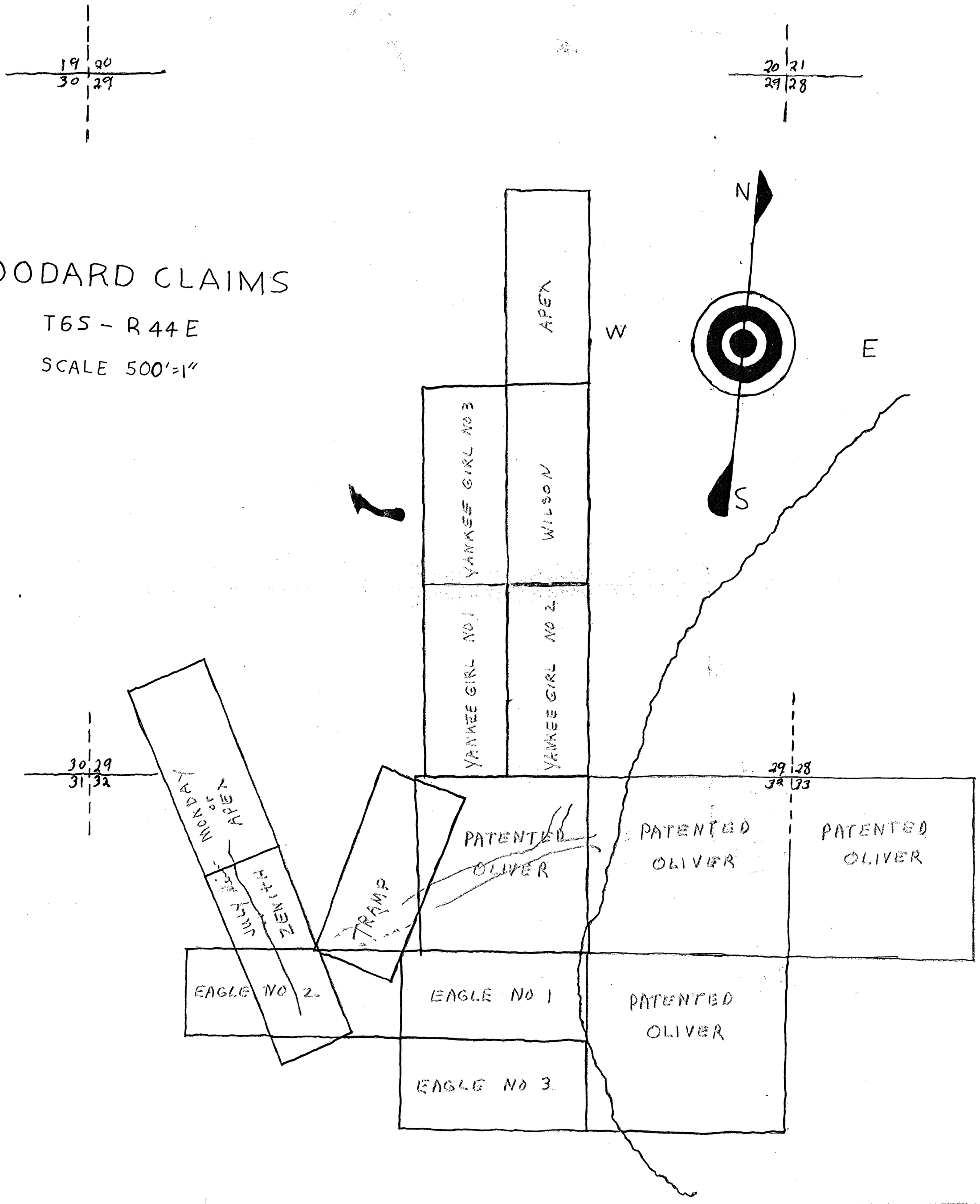
BY
G. P. MARSHALL M.E. OCT.
1952

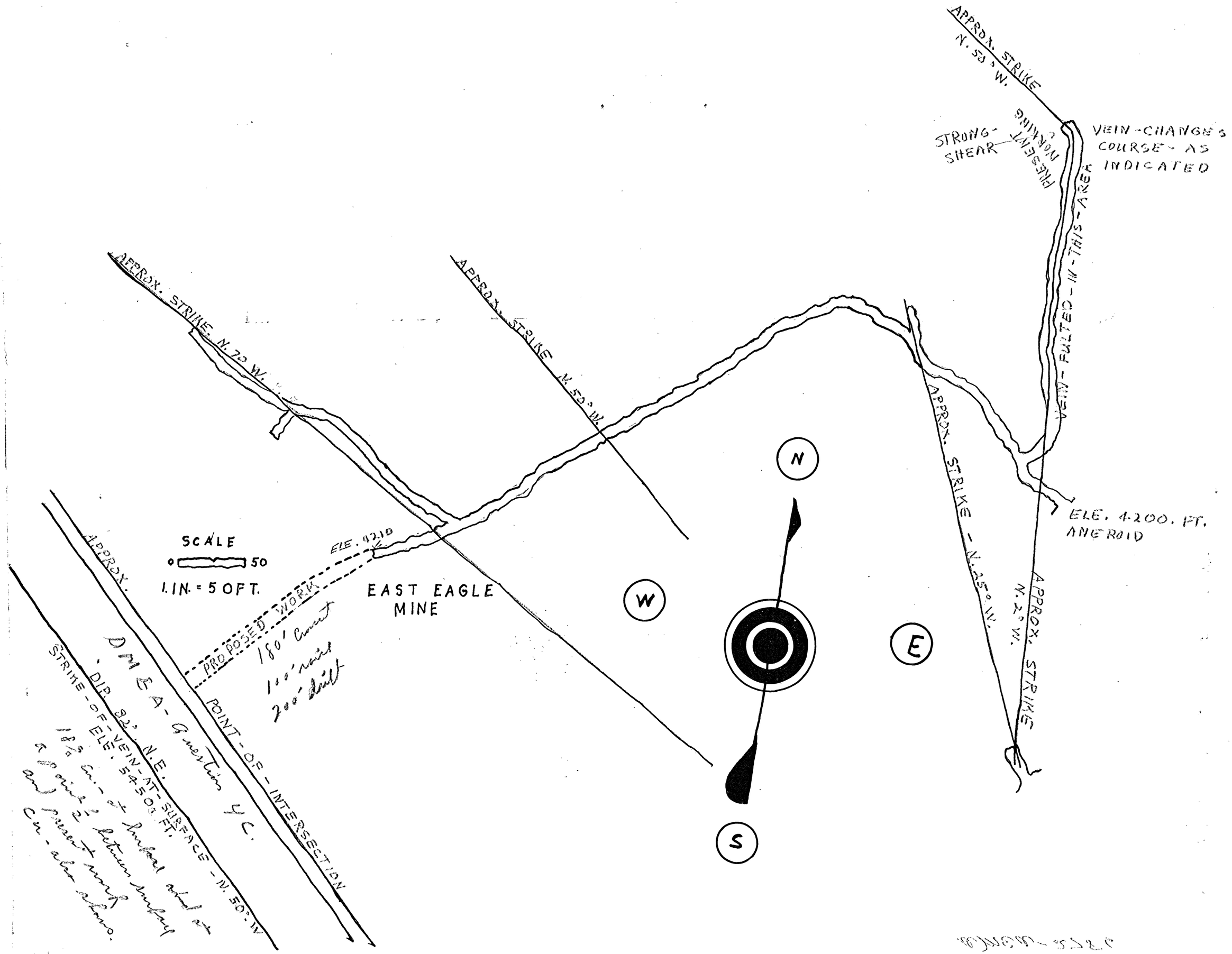


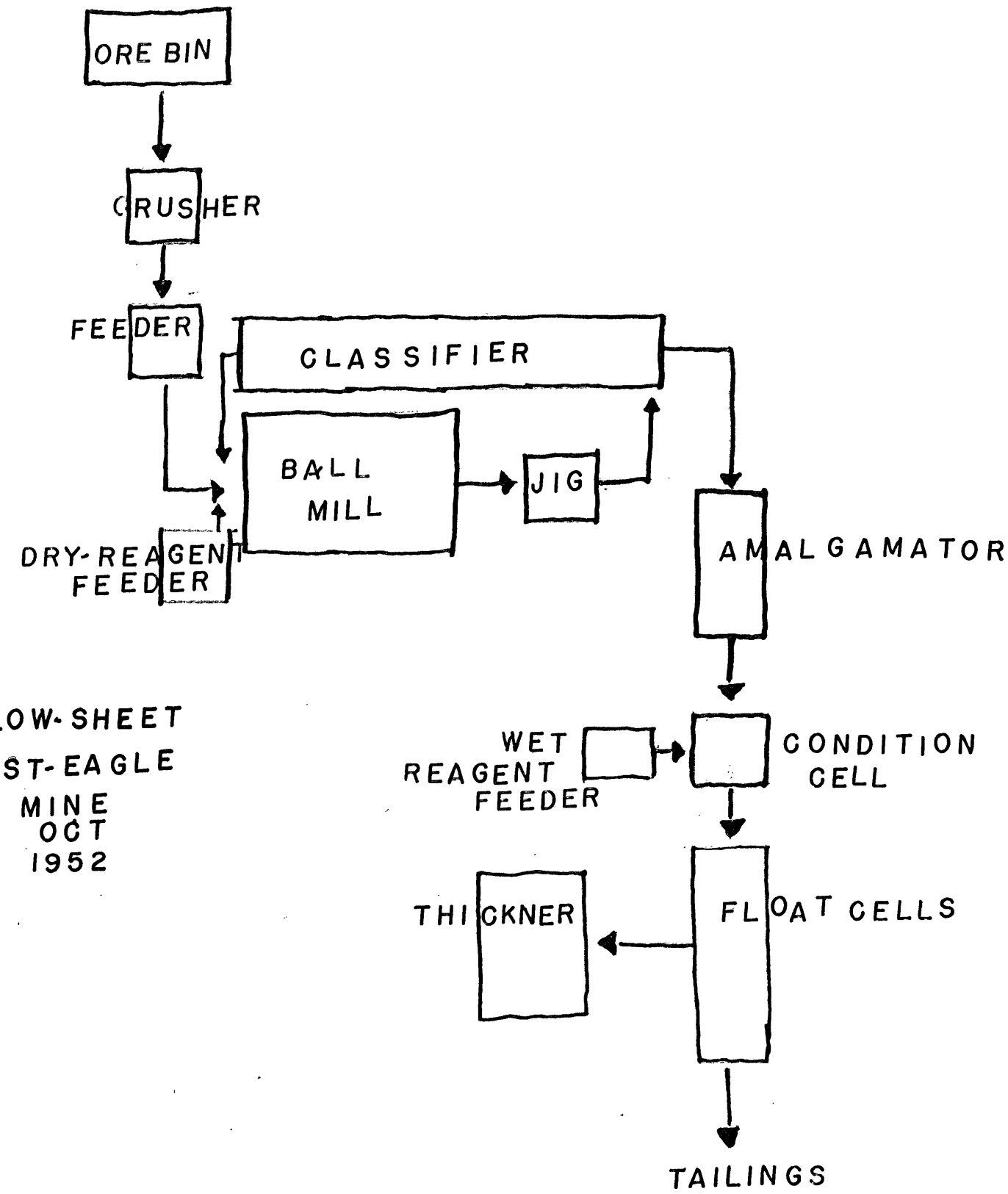
WOODARD CLAIMS

T6S - R44E

SCALE 500'=1"




APPROX. STRIKE N. 50° W.
VEIN-CHANGES COURSE-AS INDICATED
STRONG-SHEAR
PRESENT WORKING
VEIN-FAULTED-IN-THIS-AREA
APPROX. STRIKE N. 70 W.
APPROX. STRIKE N. 50° W.
APPROX. STRIKE - N. 35° W.
APPROX. STRIKE N. 2° W.
ELE. 4200. FT. ANEROID
N
W
E
S
SCALE
0 50
1. IN. = 5 OFT.
ELE. 4210
EAST EAGLE MINE
PROPOSED WORK
180' Crosscut
100' raise
200' drift
POINT-OF-INTERSECTION
APPROX.
DMEA-Question 4C.
DIR 88° N.E.
STRIKE-OF-VEIN-AT-SURFACE-N. 50° W
ELE. 5450 FT.
18% Cu. at footwall and a point 2' between footwall and present mining Cu-also Ag.

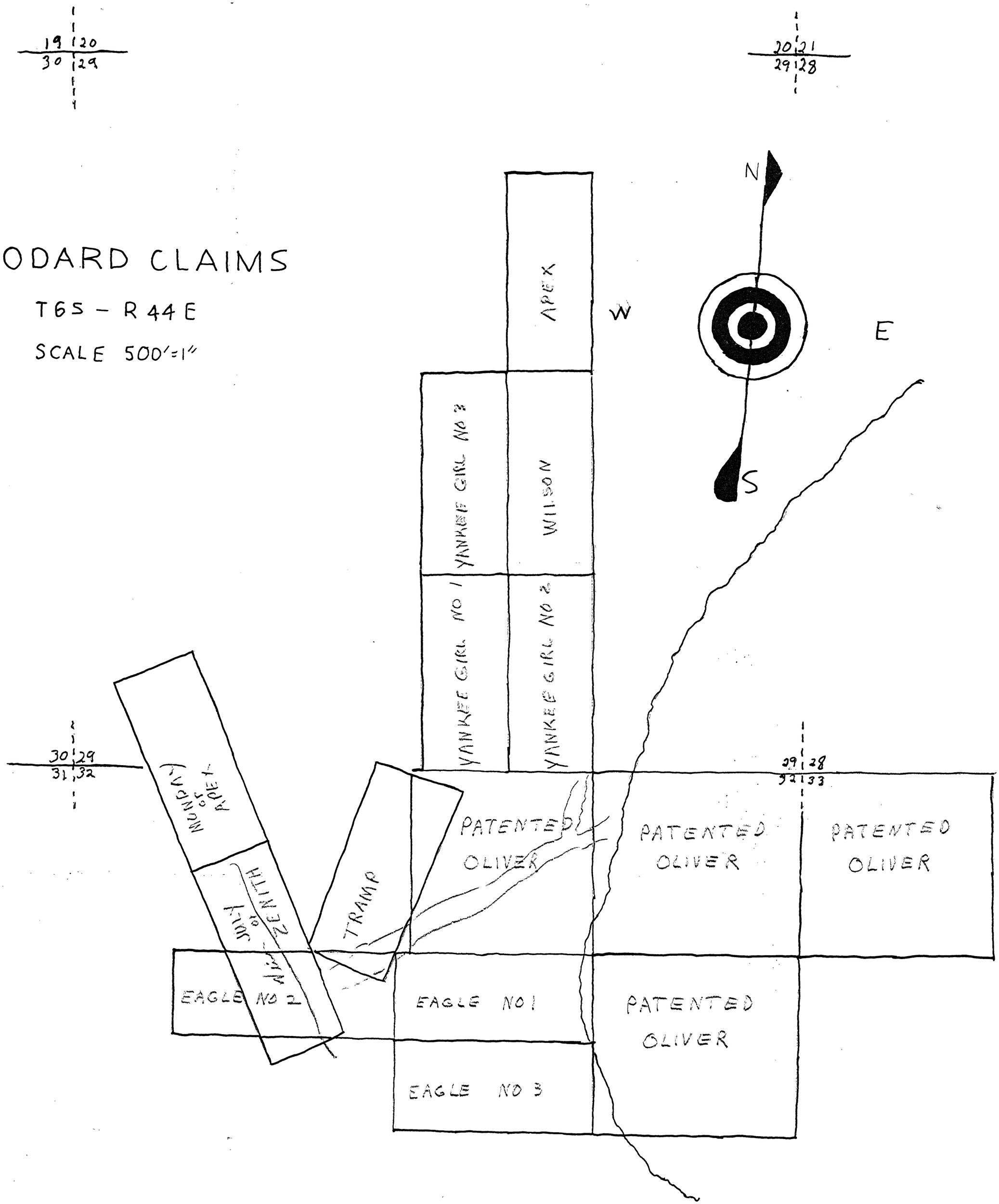


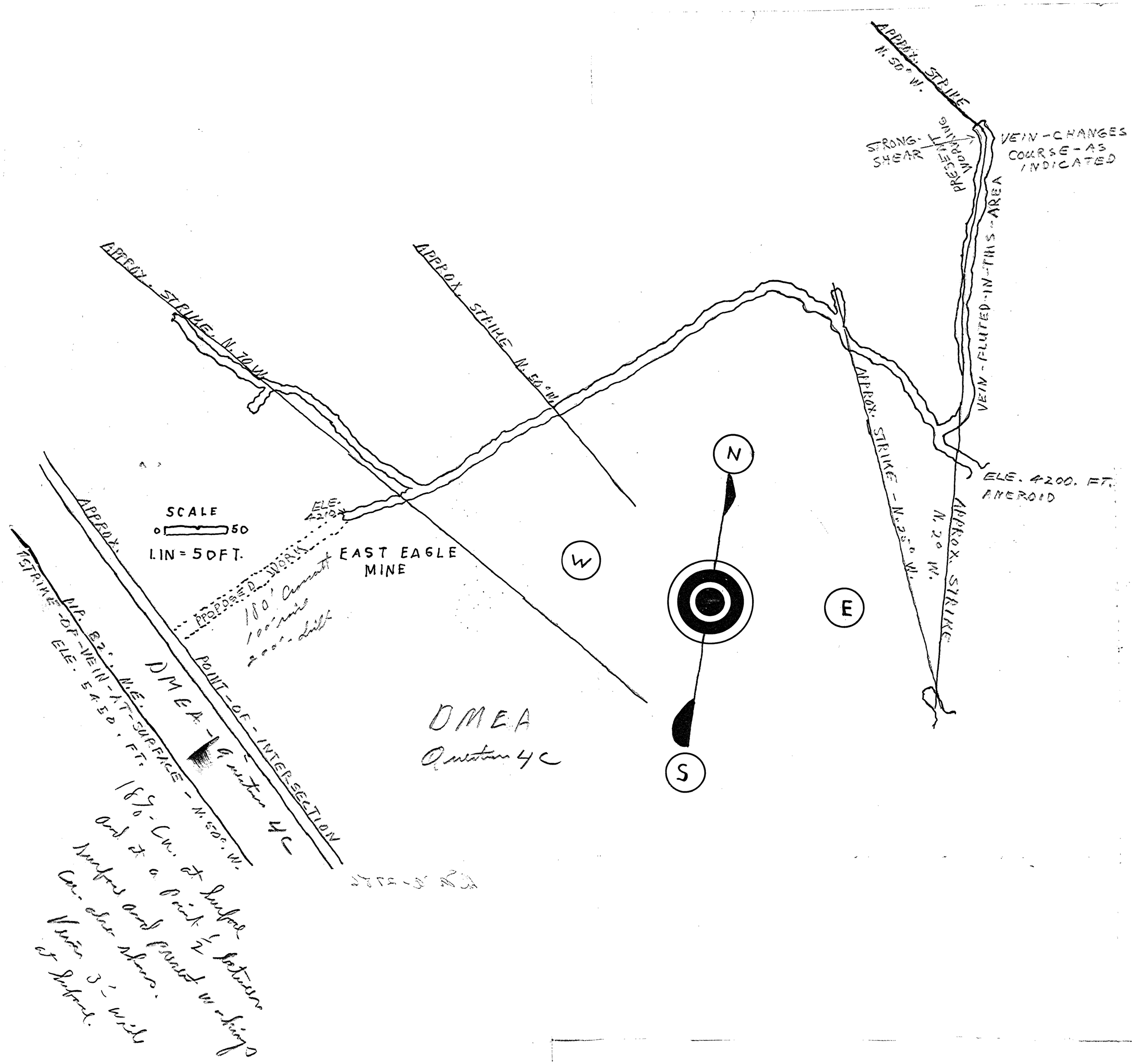
FLOW-SHEET
EAST-EAGLE
MINE
OCT
1952

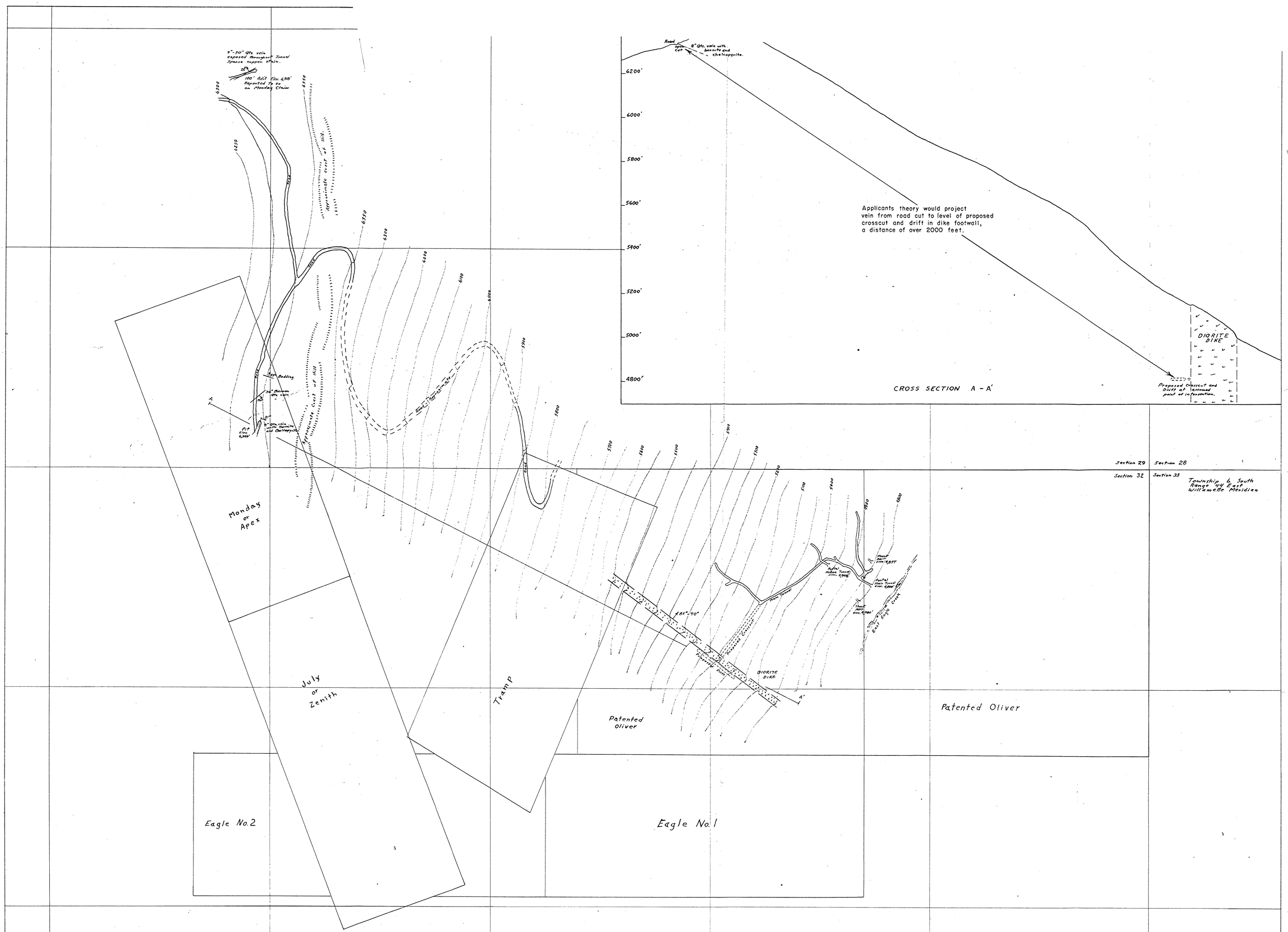
WOODARD CLAIMS

T6S – R44E

SCALE 500'=1"




APPROX. STRIKE N. 50° W.
VEIN - CHANGES COURSE - AS INDICATED
STRONG - SHEAR
PRESENT WORKING
VEIN - FLUTED - IN - THIS - AREA
APPROX. STRIKE N. 70 W.
APPROX. STRIKE N. 60° W.
APPROX. STRIKE - N. 25° W.
APPROX. STRIKE N. 20° W.
ELE. 4200. FT. ANEROID
N
W
E
S
SCALE
0 50
1. IN = 50 FT.
ELE. 4210
EAST EAGLE MINE
PROPOSED WORK
100' crosscut
100' raise
200' drill
POINT - OF - INTERSECTION
DMEA - Question 4C
DMEA
Question 4C
APPROX. STRIKE - N. 50° W.
ELE. 5450. FT.
1875 - Cu. at surface and at a point 1/2 between surface and present working. Cu. also shows. Vein 3' wide at surface.



Plan Map
Showing Claims and Main Workings

EAST EAGLE MINE

Baker County, Oregon

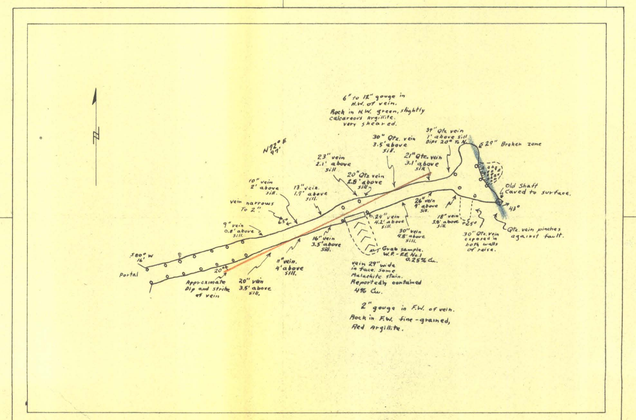
Contour Interval, 50 Feet — Scale, 1" = 200'.

Datum Assumed - Contours Generalized — Magnetic Declination Used, N 20° E

Approximate Location of Claims
Derived From Maps Supplied By
Applicant.

Tape and Brunton Survey — November 20-22, 1952

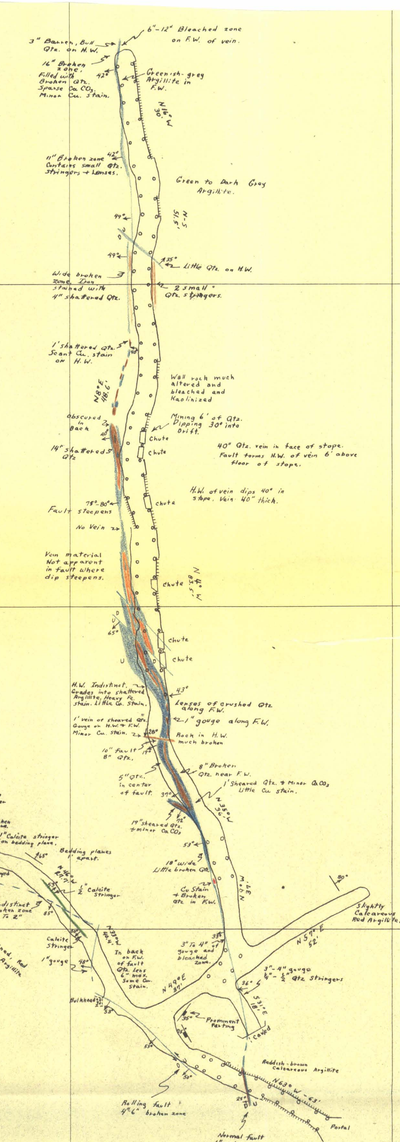
G.W. Fuller and W.P. Puffett — U.S.G.S.

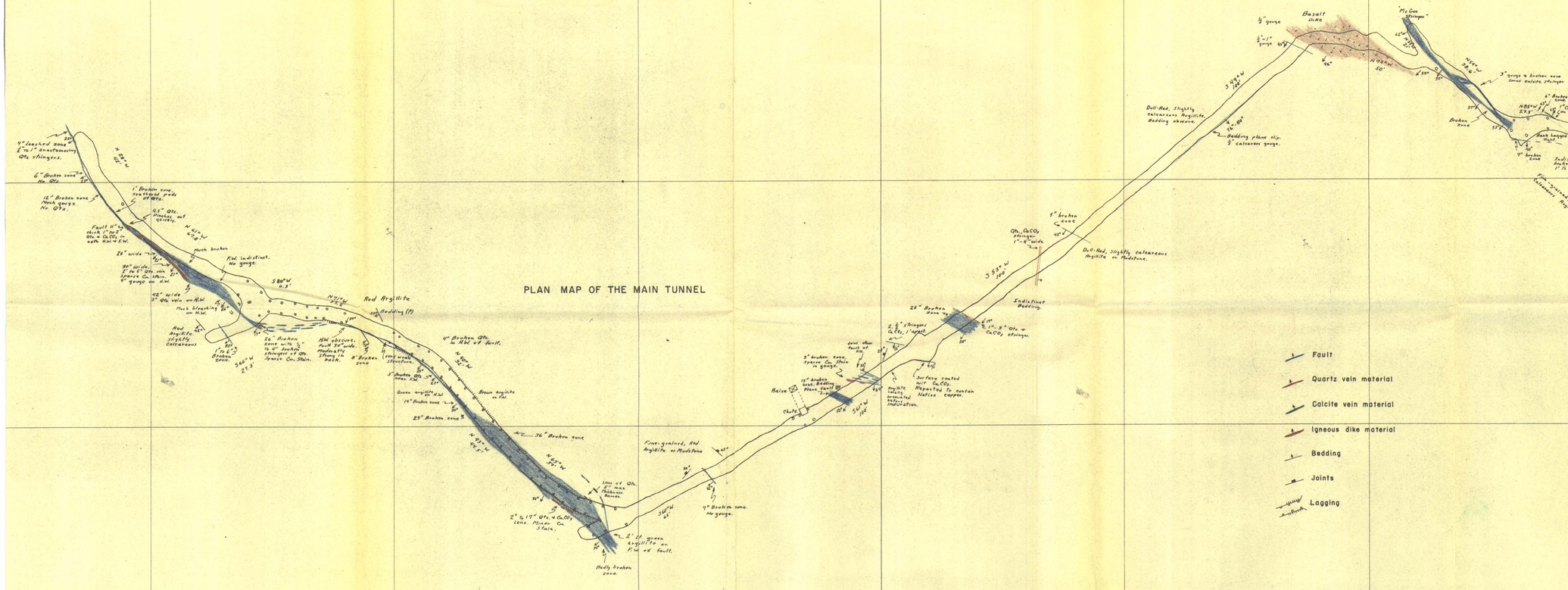


PLAN OF THE TUNNEL ON THE MONDAY CLAIM

Nov. 21, 1952

G.W. Fuller and W.P. Puffett, USGS.





PLAN MAP OF THE MAIN TUNNEL

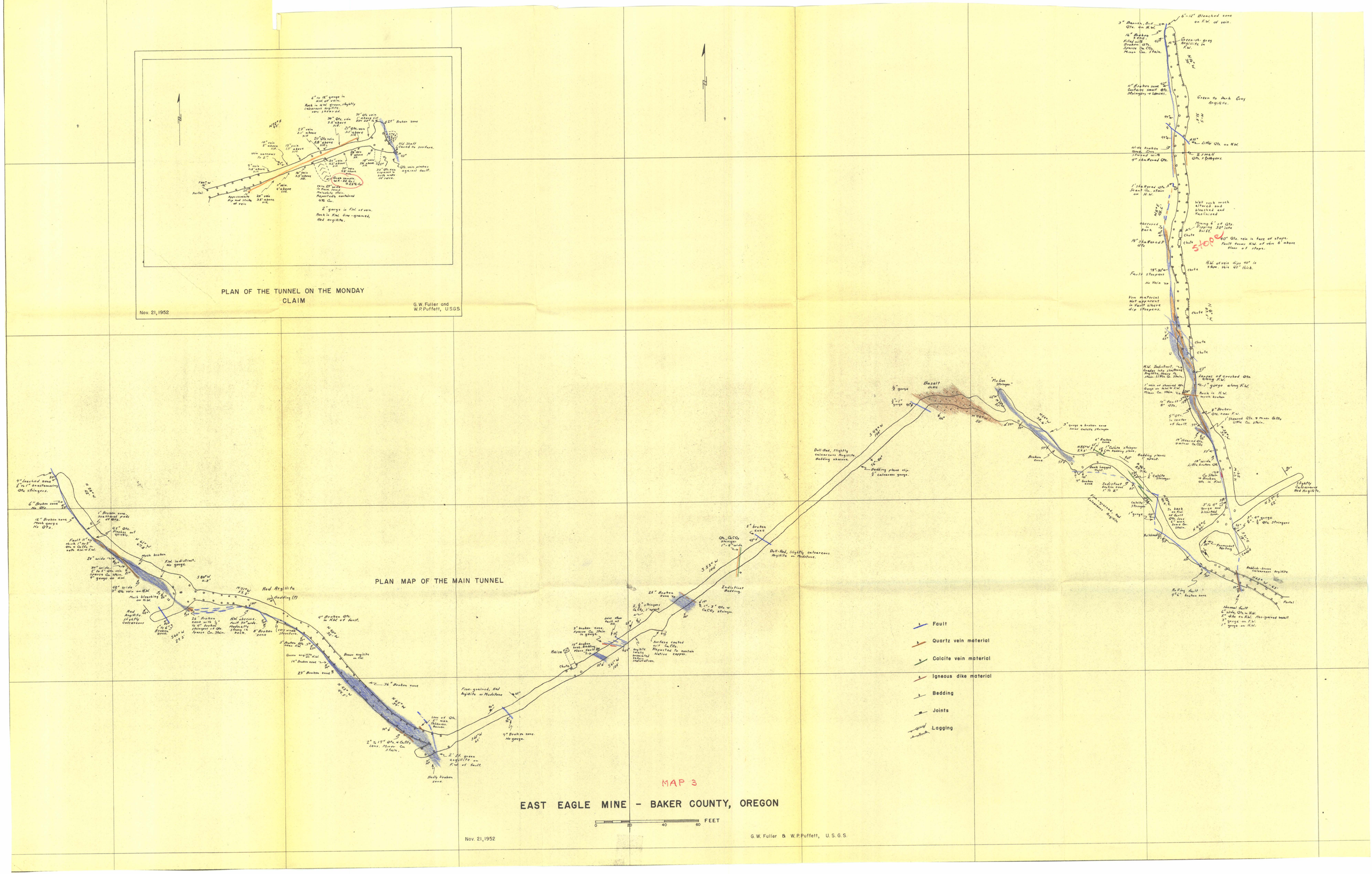
EAST EAGLE MINE - BAKER COUNTY, OREGON

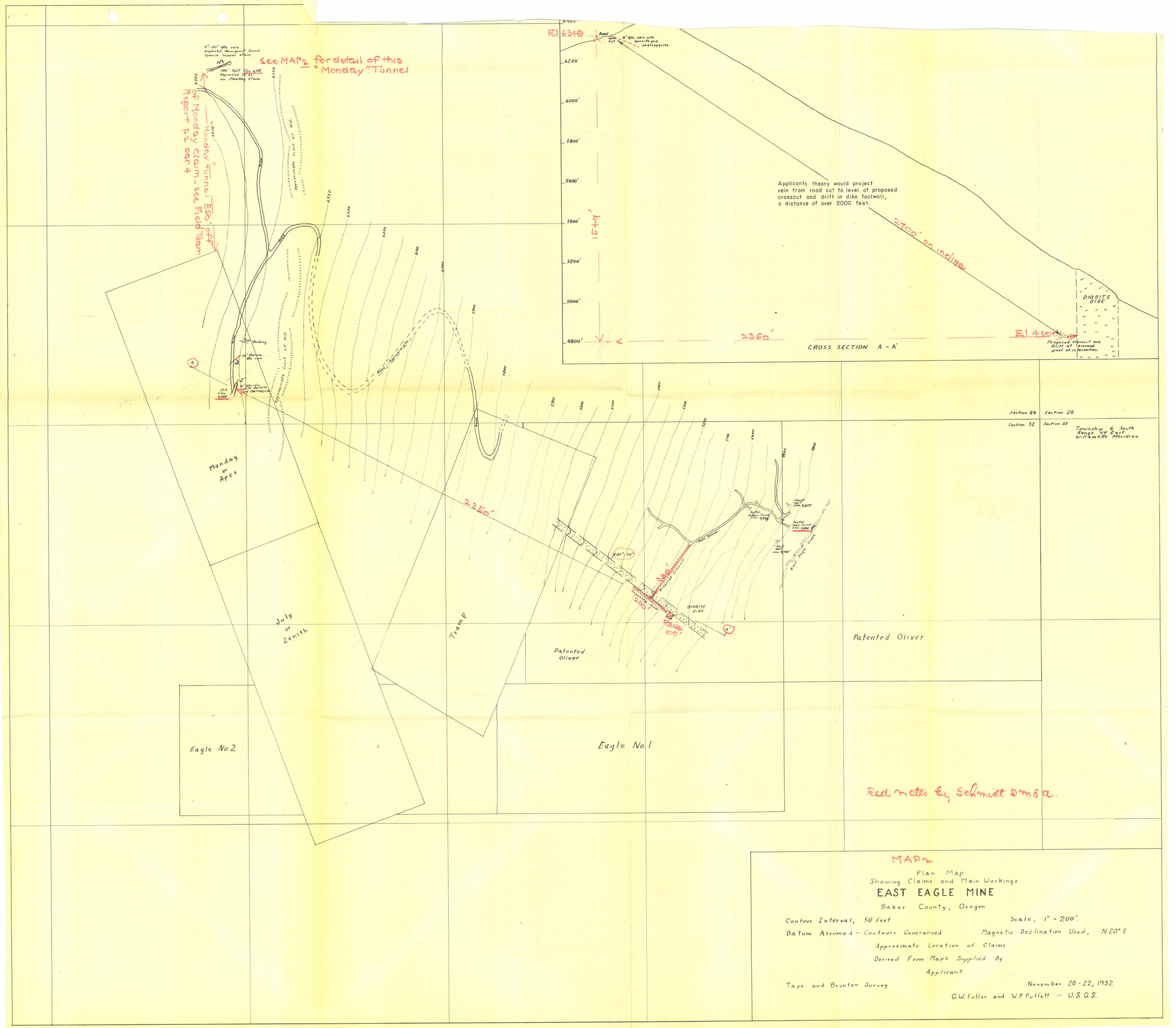
0 20 40 60 FEET

Nov. 21, 1952

G.W. Fuller & W.P. Puffett, U.S.G.S.

PLAN OF THE TUNNEL ON THE MONDAY CLAIM
Nov. 21, 1952
G.W. Fuller and W.P. Puffett, USGS.


PLAN MAP OF THE MAIN TUNNEL
Fault
Quartz vein material
Calcite vein material
Igneous dike material
Bedding
Joints
Lagging
MAP 3
EAST EAGLE MINE - BAKER COUNTY, OREGON
FEET
0
20
40
60
Nov. 21, 1952
G.W. Fuller & W.P. Puffett, U.S.G.S.



MAP 2

Plan Map
Showing Claims and Main Workings

EAST EAGLE MINE

Baker County, Oregon

Contour Interval, 50 Feet — Scale, 1" = 200'.

Datum Assumed - Contours Generalized — Magnetic Declination Used, N 20° E

Approximate Location of Claims
Derived From Maps Supplied By
Applicant.

Tape and Brunton Survey — November 20 - 22, 1952

G.W. Fuller and W.P. Puffett — U.S.G.S.