DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4458

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps
✓ Partnership Agreement

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

DMEA

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SEP 10 1956

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

1605 Evans Avenue
Reno, Nevada

September 6, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Mercury)
Integral Mining Company
Integral Quicksilver Mines
Trinity County, California

Attached are three sets of MF-103, Application for Aid forms relative to above subject. The fourth set has been retained in our files.

S. Ricker

Attach.

BUREAU OF MINES
WASHINGTON, D. C.

SEP 10 12 49 PM '56

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

RECEIVED
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1605 Evans Avenue
Reno, Nevada

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To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

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Subject: Loan Application (Mercury)
Integral Mining Company
Integral Quicksilver Mines
Trinity County, California

Attached are three sets of MF-103, Application for Aid forms relative to above subject. The fourth set has been retained in our files.

S. Ricker

Attach.

SRicker:gh
cc: R. M. Smith
File

RECEIVED

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR SEP 1956
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.2.

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. 4458
Metal or Mineral Mercury
Date Received 9/10/56
Estimated Cost Not given
Participation (Government %)

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 Integral Mining Company P.O. Box 1574 Castella, Calif.

(*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 Minin Claims Oakland, Heart Lorin and Elgin mining claims located in by Cinnabar Mining District in Section 22, T.10 S. 3E North, Range 6 West, M.D.M., Shasta County California

(*b*) State any mine name by which the property is known Integral Quicksilver Mines

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise George R. Anderson and Jack Anderson owner

(*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 Oakland and Heart unpatented

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.

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Cinnabar
Map has been sent in

(*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 ..... days and be completed within ..... 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 Labor

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 Sept 1st, 1956

Integral Mining Co
(Applicant)

By George Henderson
P.O. Box 154
Castella, Calif

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

RECEIVED
SEP 10 1956

The old Integral Mine has been shut down for over 60 years there appears to be about 10,000 tons of ore above the road that can be mined by open pit that will go from 3 lbs of silver per ton to two per cent the ore occurs in topric serpentine contact and concentrates well we wish to do exploration work as follows
Re open 175' of old working @ $40.00 per ft run an 80' raise @ 40.00 per ft and a cross cut 100' @ 40.00 per ft all this will cost $14,200.00
then if we can block out over 150,000.00 worth of ore we would put in a 25,000.00 concentrating mill We have plenty of water can also use mill for chrome we now have a small concentrating plant and are ready to run all dumps of about 50 tons that will run 40 lbs silver to the ton Floyd J Miller has had 20 years experience mining and Geologist some fifteen years at Oat Hill Extension Incidental Mines in Napa County

ARTICLES OF MINING PARTNERSHIP

THESE ARTICLES OF MINING PARTNERSHIP made and entered into this 22nd day of August, 1956, by and between GEORGE R. ANDERSON, FLOYD J. MILLER and THOMAS PATTERSON;

W I T N E S S E T H:

That the parties hereto do, by these presents, mutually agree to become partners in the business of mining, milling, refining, selling and dealing in mines and minerals and all products incidental and relative thereto;

That the style or firm name of said partnership shall be

INTEGRAL MINING COMPANY

That the location and principal place of business of said partnership shall be in Castella, in the County of Shasta, State of California.

That said partnership shall commence on the 22nd day of August, 1956, and continue up to and including the 31st day of December, 1959, and, at the consent of all partners, continue up to and including the 31st day of December, 1962, or may be mutually dissolved or terminated as hereinafter set forth.

IT IS MUTUALLY AGREED AND UNDERSTOOD BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. That this mining partnership shall embrace the Oakland, Giant, Boston and Elson Mining Claims located in the Cinnabar Mining District in Section 22, Township 38 North, Range 6 West, M.D.M., in the County of Trinity, State of California.

2. That said mining claims are owned and controlled by Zack Anderson and one of the partners, George R. Anderson, and will be leased to said partnership from August 22, 1956 to December 31, 1959, with the option of three additional years.

3. That each of said partners shall contribute an equal amount of capital in said partnership business, and each shall have an equal one-fourth interest in said business, the other one-fourth interest

being owned by Zack Anderson who is not a partner in said business.

4. That Thomas Patterson, one of the partners herein, shall contribute in cash the sum of $2,500.00 for his interest in said partnership, said amount to be paid as follows: $1,000.00 upon the execution of these articles of partnership, and the remainder of $1,500.00 on or before the 1st day of May, 1957.

5. That each of said partners shall use his best endeavors to promote the interest of said partnership business, and shall devote such portions of his time to said business as may be deemed necessary. Said partners shall receive compensation, in such amounts as may from time to time be agreed upon between them, for the time devoted to said partnership business, and for the purpose of accounting between partners it is agreed that such compensation paid to each partner for his employment by said partnership shall be charged to the profit and loss account before the net profits are distributed.

6. That full and accurate books of account of transactions of the partnership shall be kept, and each partner shall cause to be entered in said books a full and accurate record of all his transactions on behalf of the business. Such books shall be kept at the place of business of said partnership and shall at all times be subject to inspection of any of the partners.

7. That all money taken in by said partnership shall be deposited in the Bank of America, N.T.& S.A., Dunsmuir Branch, Dunsmuir, California, and all money paid out shall be by checks and such checks shall be drawn in the firm name and shall be signed by any two partners. This, however, does not apply to any petty cash account reserved for the operation of the business of said partnership.

8. That the partnership shall pay in taxes the sum of $80.00 plus any taxes on improvements made by said partnership.

9. That an audit of the books of said partnership shall be made at least once each year for the purpose of determining tax liability and for the purpose of determining the net profit or loss of said business. That a profit and loss statement shall be furnished each partner, and

the net profits, or such portion thereof as may be agreed upon between the partners, shall be divided and distributed in accordance with each partner's interest in said business as hereinabove set forth.

10. That none of the partners shall be held for the private debts of any other partner, or for any obligations incurred by any other partner in the operation of any business not connected with said partnership. That none of said partners shall become surety or endorser upon any obligation or otherwise become involved in the debts contracted by other persons during the existence of this partnership. This, however, shall not prevent said partners from endorsing obligations necessary for carrying on said business.

11. That none of the partners shall sell, lease or otherwise dispose of his interest in said partnership business, or in any minerals or property thereof, without the consent in writing of both the others, and that in the event of the death of any of the partners, the work is not to be suspended but is to be prosecuted by the surviving partners for their benefit and for the benefit of the estate of the decedent.

12. That in the event any partner desires to sell his interest after December 31, 1959, or before said date with the written consent of the other two partners, the remaining partners shall have the first option of purchasing said interest at the book value thereof. That in the event any partner desires to withdraw from said partnership after December 31, 1959, the remaining partners may, at their option, purchase his interest at book value thereof and continue said partnership for the remaining three years.

13. That this partnership may be terminated at any time with the consent of all three partners, in which event a general account shall be taken of the assets, credits, debts and liabilities of the partnership and of the transactions and dealings thereof, and with all convenient speed such assets and credits shall be sold, released, and collected, and the proceeds applied to paying and discharging such debts

and liabilities and expenses of winding up the partnership affairs, and the balance of such proceeds shall be equally divided between the partners.

14. That this partnership agreement shall be binding upon the heirs, administrators, successors and assigns of each of the partners hereto.

IN WITNESS WHEREOF each of said parties have hereunto set their hands in triplicate the day and year first above written.

George R. Anderson

George R. Anderson

Floyd J. Miller

Floyd J. Miller

Thomas Patterson

Thomas Patterson

STATE OF CALIFORNIA)
(ss.
COUNTY OF SISKIYOU)

On this 22nd day of August, 1956, before me, L. N. Lorenzen, a Notary Public in and for said County and State, personally appeared George R. Anderson, Floyd J. Miller and Thomas Patterson, known to me to be the persons described in and whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same.

L. N. Lorenzen

Notary Public in and for the County of Siskiyou, State of California.
My commission expires July 30, 1960.

Geo. P. Anderson
P.O. Box 456
Middletown Ca.

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CHICAGO

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/18	Chapman	400
3/18	Martin	400
3/20	Selfridge	130
"	Johnson	110
"	Hittendorf	100
3/20	C	220

MAR 21 1957

Mr. George P. Anderson
Integral Mining Company
P. O. Box 406
Middleton, California

Re: Docket No. 4458 - Mercury
Integral Quicksilver Mine
Trinity County, California

Lamb
Kilsgaard

Dear Mr. Anderson:

Your application for aid for an exploration project and other data available to us in Washington concerning the above referenced property have been reviewed.

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

Careful study of all information, although noting the occurrence of mercury mineralization on this property, indicates to us that the probability of discovering minable ore reserves is not sufficiently promising to justify Government participation. Under these circumstances we regret to advise you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing this property to our attention.

Sincerely yours,

C. O. Hittendorf (for)

Administrator

TLChapman:am 3/18/57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG II
Messrs. A. D. McMahon, USBM
T. H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/15	Chapman	400
3/15	Martin	400
		130
		110
		100
		220

March 15, 1957

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of the subject application for exploration assistance in the amount of $14,200.00
Docket No. DMEA 4458 - Mercury
Integral Mining Company
Integral Quicksilver Mine
Trinity County, California

Denial of the subject application is recommended by this Division based on the following information:

The applicant, Integral Mining Company requested exploration assistance in the amount of $14,200.00 on September 4, 1956, to explore for mercury ores at the Integral Quicksilver Mine by rehabilitating old workings, crosscutting and raising. Field examinations of the property were made on November 27, and 29, 1956, by J. D. Warne, Bureau of Mines, and R. G. Reeves, Geological Survey, respectively.

Applicant: Integral Mining Company, a partnership, of George R. Anderson, Floyd J. Miller and Thomas Patterson
P. O. Box 154
Castella, California

Property: The property consists of the Elson and Boston, patented lode mining claims, and the Oakland and Giant, unpatented lode mining claims, located in sections 14, 15, 22 and 23, T. 38 N., R. 6 W., M.D.B.& M., Trinity County, California.

Ownership: The property is owned by George R. and Zack Anderson, P. O. Box 406, Middletown, California, and is under lease to the Integral Mining Company.

Geology: The area is covered by brush and second growth conifers with very little rock exposure. Two rock units exposed are serpentized peridotite and diorite prophyry as found at the Altoona Mine one and one-half miles southwest, where the diorite porphyry appears to have intruded the peridotite. There appears to be a north-east altered zone in the diorite which corresponds to the fault zones of the Altoona. Iron and mercury sulphides occur in small lenses in this altered zone.

8623

Development: The main work on the property consists of an adit at the 40 foot level, an adit at the 80 foot level and a 2,760 foot tunnel, and numerous pits and some bulldozer trenches. The underground workings are all caved and inaccessible.

History and Past Production:

Some ore was mined and milled during 1902 and 1903, but no records are available of the production. Most of the work on the property was done during this period.

Ore Values and Tonnage: No ore of a minable grade was found in any of the accessible workings on the property. Samples were taken as follows:

Sample No.	Description	Lbs. Hg/ton
1	Grab, retort dump	0.10
2	Grab, 80 level dump	0.2
3	Channel cut from side of test pit	
	Bulldozer cut	0.7
4	Grab, 40 level dump	1.0

Proposed Work:

The applicant proposes to reopen 175 feet of the 80 foot level, then crosscut 100 feet north-easterly from the face of the 80 foot level and raise 80 feet from any mineralized zone.

Comments and Conclusions:

The Field Team advises that the ore zone has been thoroughly explored to 180 feet below the surface and that it is improbable that further work would disclose a substantial quantity of minable ore.. The Field Team recommends that the application for exploration assistance be denied. The Commodity Divisions of the Geological Survey and the Bureau of Mines, concur in the recommendation of the Field Team.

W. S. Martin

TLChapman:am
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Address all mail for the Integral Mining Company until the Spring of 1957 to:

Integral Quicksilver Mines
c/o George R. Anderson
P. O. Box 406
Middletown, Calif.

Ltr dtd 11/1/56 [illegible]

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

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DMEA
RECEIVED JAN 31 1957

DATE	INITIALS	CODE
1-31	Cw	220
1/31	WSM	400

January 30, 1957

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Examination Report, Docket No. DMEA 4458 (mercury) Integral Mining Company, Integral Mine, Trinity County, California

A field examination of the above-cited property indicated that government assistance in the applicant's proposed exploration program is not warranted for the following reasons:

(1) The deposit has been thoroughly explored to 180 feet below the surface and discovery of a substantial quantity of additional ore is improbable.

(2) The exploration program proposed by the applicant is poorly conceived and would serve only as development of the already explored and mined area.

(3) The applicant's estimated costs of proposed work are not considered reasonable.

(4) Four samples taken from surface material which the applicant claimed contained commercial quantities of cinnabar assayed 0.1, 0.2, 0.7, and 1.0 pounds of mercury per ton, respectively.

For these reasons, the examiners recommended that Government assistance under the DMEA program be denied.

I concur in this recommendation.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U. S. G. S.
F. D. Lamb
Files

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 31 1957

DATE	INITIALS	CODE
1-31	C	220
1/31	WSM	400

January 28, 1957

Re: DMEA 4458
Integral Mining Co.,
Integral Mine
Trinity Co. Calif.
$14,200.00 - Mercury

Memorandum

To: ~~W. S. Martin, Defense~~ Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report.

The applicant requested assistance in reopening an old mine and raising and crosscutting. The mine was last worked in 1903 and none of it is open for inspection and no record of production is available.

Judging by a mine map the deposit had been well explored. The proposed work lacked the exploratory element and the material to be mined is probably too low grade to be worth handing, therefore the examiners and the Field Team recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

DMEA

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DMEA
RECEIVED JAN 22 1957

DATE	INITIALS	CODE
1-22	C	220
		130
1-25		220
	WSM	400

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

1605 Evans Avenue
Reno, Nevada

January 17, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4458 (Mercury)
Integral Mining Company
Integral Mine
Trinity County, California

Enclosed are four copies of a report by J. D. Warne, Bureau of Mines and R. G. Reeves, Geological Survey on subject property.

Roscoe Smith and I concur in the recommendation that the application for exploration aid be denied.

This property has never been referred to the field for examination, but if it had been delayed, an examination would have been impossible until late spring. We took advantage of the weather and the fact that we had engineers available at the time.

S. Ricker

S. Ricker

Encl.

Reviewed by
DMEA OPERATING COMMITTEE
1-25-57
(date)

BUREAU OF MINES
WASHINGTON, D. C.
JAN 22 9 48 AM '57

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 22 1957

DATE	INITIALS	CODE
		130
		220
1/28	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4458 (Mercury)
Integral Mining Company
Integral mine
Trinity County, California

by

J. D. Warne
U. S. Bureau of Mines

R. G. Reeves
U. S. Geological Survey

January 16, 1957

Reviewed by
DMEA OPERATING COMMITTEE
1-25-57
(date)

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ILLUSTRATIONS

Figure 1 . . . . . Index map

2 . . . . . Location map

3 . . . . . Geologic map

4 . . . . . Underground workings

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The Integral Mining Company, a partnership, applied on September 4, 1956 for Government assistance in a $14,200 program under the Defense Minerals Exploration Administration, docket DMEA-4458, to explore for mercury at the Integral mine, Trinity County, California. Examinations were made by J. D. Warne, U. S. Bureau of Mines, on November 27, 1956, accompanied by G. R. Anderson, and on November 29, 1956 by R. G. Reeves, U. S. Geological Survey.

A small ore body in altered diorite porphyry was mined in 1902 and 1903 on five levels including the 2,760-foot Castella development tunnel. No mining has been done since 1903. Production has not been recorded.

The deposit has been thoroughly explored to 180 feet below the surface and it is improbable that further work in this zone would disclose a substantial quantity of additional ore. Furthermore, the work proposed by the applicant would be further development of the already explored and mined area. And finally, the applicant's proposed program and costs are not considered reasonable. All underground mine workings are inaccessible and samples taken from the surface did not indicate commercial grade mercury ore. For these reasons, it is recommended that Government assistance under the DMEA program be denied.

LOCATION, PROPERTY, AND OWNERSHIP

The Integral mine is in secs. 14, 15, 22, and 23, T. 38 N., R. 6 W., M.D.B.&M., Trinity County, California (fig. 2). The mine is reached over a gravel road westward 22 miles from Castella, California. This road is maintained only during the summer, and the mine is inaccessible from about December until May owing to heavy snow in the region.

Mine property consists of the Elson and Boston patented mining claims, and The Oakland and Giant unpatented claims.

The property, which was leased to the Integral Mining Company, is owned by George R. and Zack Anderson, P. O. Box 406, Middletown, California. Partnership in the Company consists of George R. Anderson, Floyd J. Miller and Thomas Patterson, P. O. Box 154, Castella, California.

HISTORY AND PRODUCTION

Some mining was done at the Integral property during 1902 and 1903 by George Anderson as lessee from the Integral Quicksilver Mining Company, then owned by the estate of William J. Simpson, New York City. No work has been done, and no new information obtained, since 1903.

Ore was retorted in a 24-ton Knox and Osborne furnace which remains in a wrecked condition on the property. Production records of the property are not available.

DEVELOPMENT

Mine development consists of a shaft 180 feet deep, and five levels with several hundred feet of drifts. A winze 120 feet deep connects the lower level with the 2,760-foot Castella development tunnel (figs. 3 and 4). A considerable amount of surface excavating has been done in the vicinity of the upper tunnel portals. Underground workings are now inaccessible.

GEOLOGY AND ORE DEPOSITS

The Integral mine is low on the southeastern slope of an unnamed mountain 6,700 feet high. The lower slopes are gentle, and the mountain is covered by brush and second-growth conifers and mantled by a thick soil cover. Outcrops are sparse, and the distribution of lithologic units is mostly unknown. All of the underground workings, which might have provided the answers to the structure and rock distribution are inaccessible.

The two rock units exposed are serpentinized peridotite and diorite porphyry; these same two units are exposed at the Altoona workings, about one and one-half miles southwest (fig. 2). There the diorite porphyry appears to have intruded the serpentinized peridotite. At the Integral mine, the only evidence of structure is a N 60° E trending altered zone in the diorite (fig. 3). This corresponds in general to the trend of the faults of the Altoona; although, as far as can be determined from available maps, the zone at the Integral is north of the projection of the Altoona faults.

The exposed altered zone appears to have been the target of previous exploration. Two caved adit portals northwest of the road, one above the other, are believed to be those of the 40 and 80 levels (fig. 4). Both of these levels, and others radiating from a main shaft, cut a small body of probable diorite porphyry, which Forstner[1] describes as "highly altered rock, probably an

---

[1] Forstner, William, 1903, The Quicksilver Resources of California: Calif. State Mining Bureau (now Division of Mines) Bull. 27, pp. 193-195.

---

altered feldspar-porphyry, as far as ascertained in the form of an irregular lens with a northwesterly dip. In the parts of the lens which carry ores the material is thoroughly decomposed by the action of mineral-bearing waters, which deposited therein iron and mercury sulfides, the former being weathered into iron oxides decomposing the gangue rock and giving it a yellow and black color." The surface projection of the diorite porphyry corresponds with the northeast-trending altered zone exposed by the surface work. No mention is made of cutting diorite porphyry in the 2,760-foot long Castella development tunnel (fig. 3) that cuts through 250 feet southwest of the shaft although Forstner states "some croppings have been found between the mouth of this tunnel and the sawmill, but no ore bodies have been cut by this tunnel."

The diorite porphyry body that contains the ore has been thoroughly prospected to 180 feet below the surface (fig. 4), and the likelihood of discovering significant amounts of cinnabar ore in this area appears to be very small.

Forstner states further that "a great amount of surface work (assessment work) on a number of the claims has been done without, however, disclosing anything of importance."

SAMPLING

Four samples were taken from the surface of material which the applicant claimed contained commercial quantities of cinnabar. Analysis and descriptions of the samples are as follows:

Sample No.	Lbs. Hg/ton	Description
1	0.1	Grab sample from main retort dump.
2	0.2	Grab of 80 level adit dump.
3	0.7	Channel cut from side of small test pit in bulldozer cut.
4	1.0	Grab sample of 40 level adit dump.

APPLICANT'S PROPOSED EXPLORATION

Work proposed by the applicant consists of reopening an estimated 175 feet near the portal of the 80 level adit (fig. 3); crosscut 100 feet northeastward from the northern terminus of the 80 level; and raise 80 feet above this level at the most mineralized point. The raise is to allow transfer of ore near

the surface to the portal of the 80 level adit.

The work outlined is considered indefinite or poorly conceived; and it would be supervised by Mr. Anderson who has apparently had insufficient practical mining experience to properly conduct the program. Furthermore, the work proposed would be additional development of an already explored and mined area.

The quantity and estimated cost of exploration work as proposed by the applicant follows:

Work Item	Estimated Cost
Reopen 175 feet of 80 level adit @ $40.00/ft.	$7,000.00
Crosscut 100 feet on 80 level @ $40.00/ft.	4,000.00
Raise 80 feet from 80 level @ $40.00/ft.	3,200.00
Total:	$14,200.00

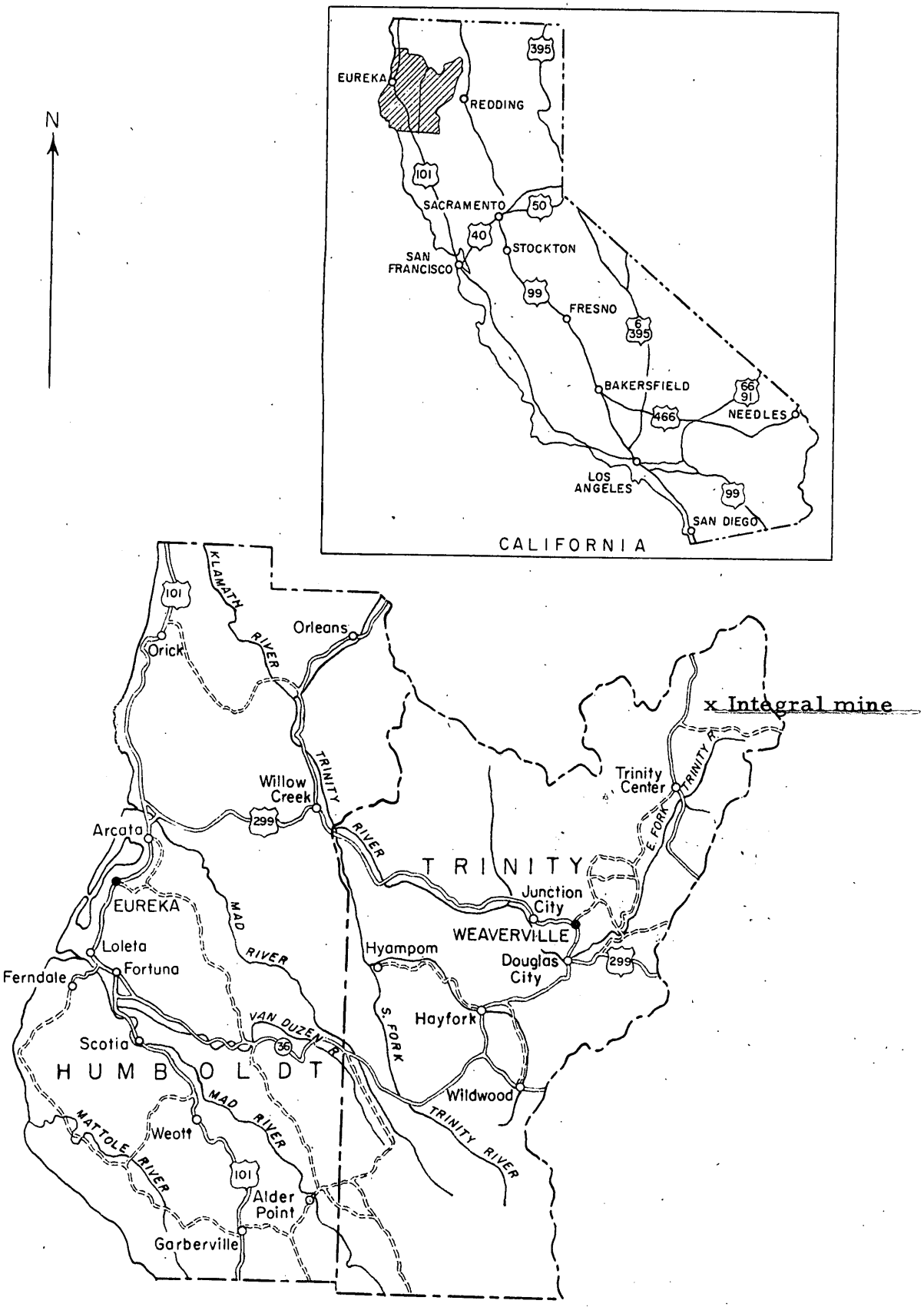


Figure 1. INDEX MAP OF HUMBOLDT AND TRINITY COUNTIES, CALIFORNIA

0 20 40 60 Miles

RECEIVED
JAN 22 1957
D.M.E.A.

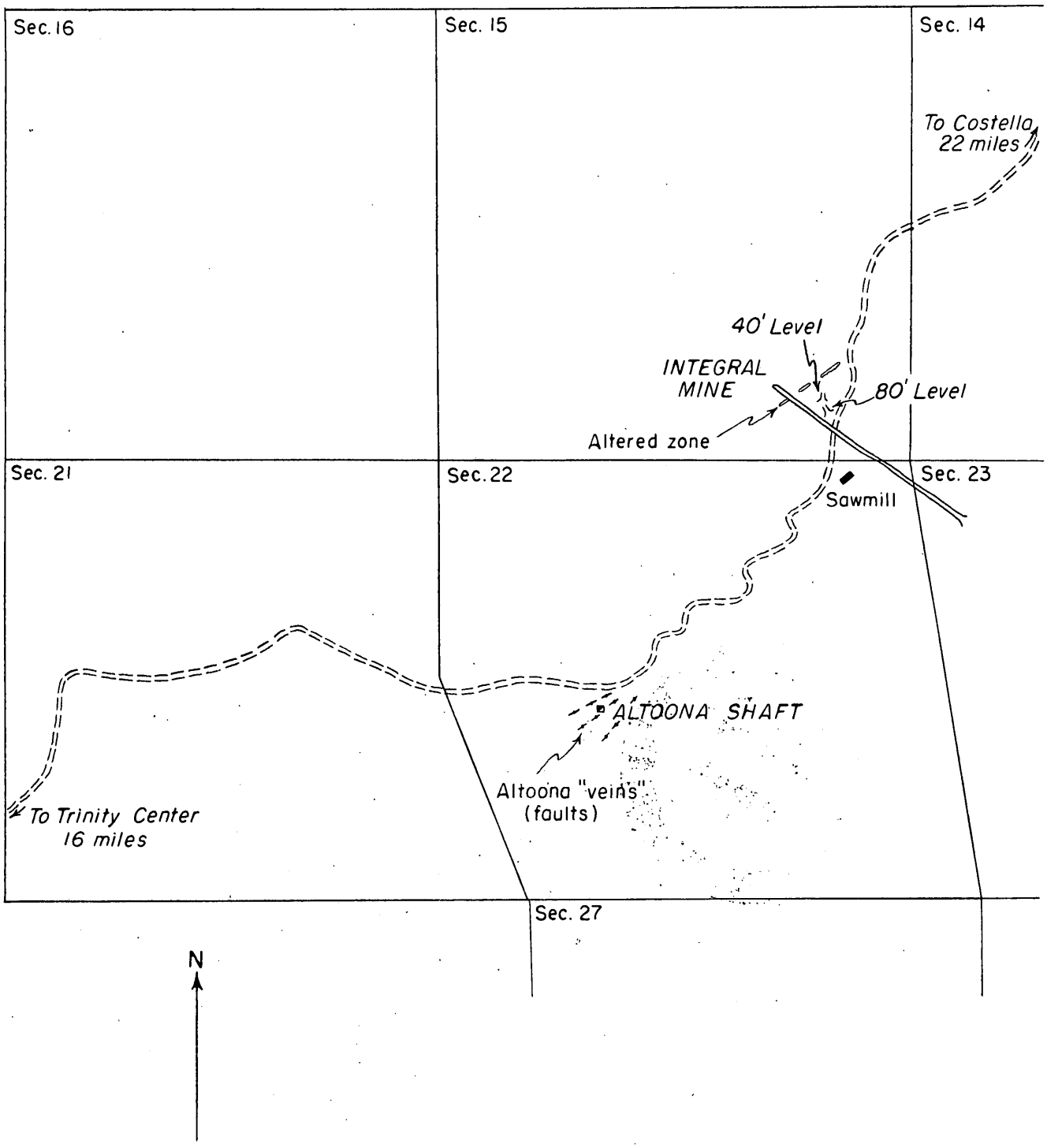
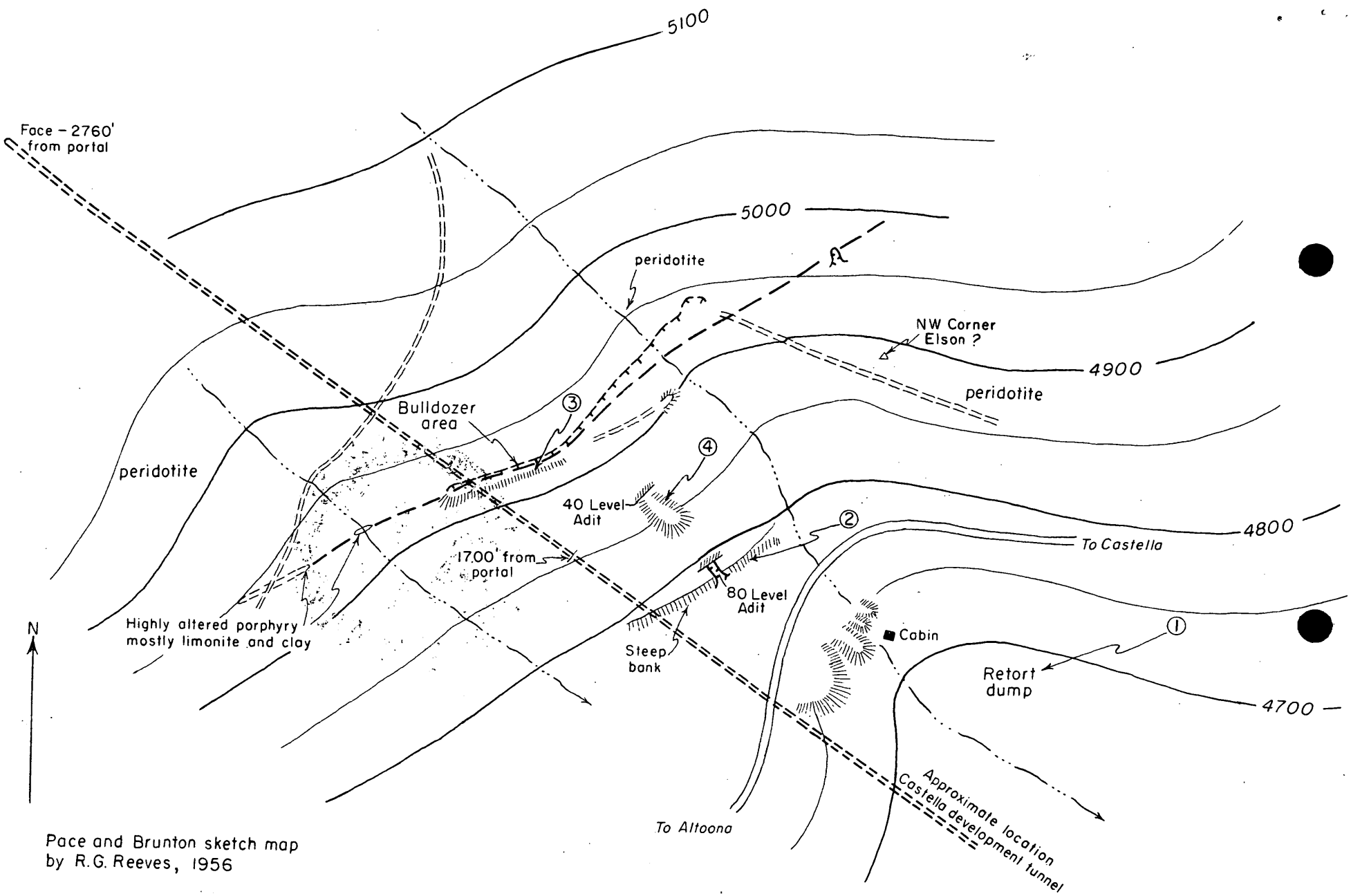


Figure 2. MAP SHOWING RELATIONSHIP OF ALTOONA AND INTEGRAL MINES
TRINITY COUNTY, CALIFORNIA

0 1000 2000 3000 FEET

RECEIVED
JAN 22 1957
D.M.E.A.



Pace and Brunton sketch map
by R.G. Reeves, 1956

Figure 3. INTEGRAL QUICKSILVER MINE, TRINITY COUNTY, CALIFORNIA

0 200 400 600 FEET

RECEIVED
JAN 22 1957
D.M.E.A.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4458
(MERCURY)

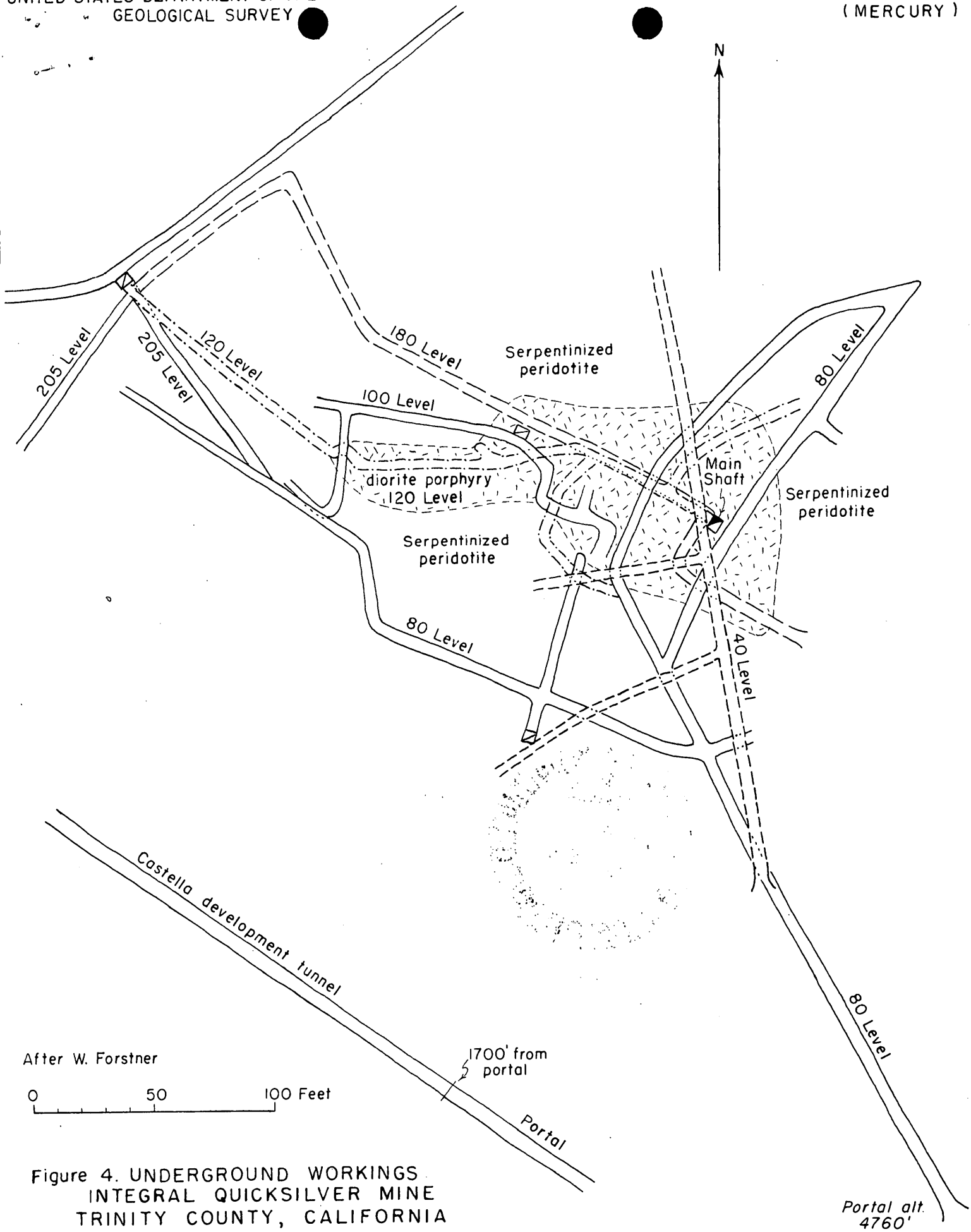


Figure 4. UNDERGROUND WORKINGS
INTEGRAL QUICKSILVER MINE
TRINITY COUNTY, CALIFORNIA

RECEIVED
JAN 22 1957
D.M.E.A.

400

McMahon
Martin
Selfridge
Johnson
Whitehouse

DEC - 6 1956

Mr. Spangler Licker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4458 - Mercury
Integral Mining Company
Integral Quicksilver Mines
Trinity County, California

Dear Mr. Licker:

Reference is made to Roscoe H. Smith's memorandum of November 8, 1956, transmitting two copies of a letter dated November 3, 1956, from George L. Anderson stating that he sent you his only copy of the lease on the subject property.

A thorough search of our files and records show that the only document received here with the application was the "ARTICLES OF MINING PARTNERSHIP" to which you made reference. The only indication that a lease exists appears on the first page of this document in the paragraph numbered 2, which states, "That said mining claims are owned and controlled by Zack Anderson and one of the partners, George L. Anderson, and will be leased to said partnership from August 22, 1956, to December 31, 1959, with the option of three additional years." The "ARTICLES OF MINING PARTNERSHIP" were signed by the three partners and notarized on August 22, 1956.

Because of the possibility that Mr. Anderson may have the impression that the "ARTICLES OF MINING PARTNERSHIP" is or could be substituted for a lease, you should ask him to obtain a copy of the lease from his attorney and send it to you. Zack Anderson's Consent to Lien will also be required in the event a contract is executed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb (FDL)
Member, Bureau of Mines

Thor H. Kiilsgaard (THK)
Member, Geological Survey

ADMCMahon:am 12-4-56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

R.C.S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

NOV 30 1956

To: The Administrator, DMEA
Attention: Chief, Iron and Ferro-Alloys Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-4458 (Mercury)
Integral Mining Company
Integral Quicksilver Mines
Trinity County, Nevada

WSM

This responds to your memorandum of November 28.

Even though one of the members of the partnership applicant is a part owner, the partnership should have full possessory interest uncomplicated by a possible adverse claim by the other part owner. Hence, a lease from the non-partner owner, plus a Consent to Lien, are necessary. We have pencilled a suggested modification on your draft of letter to the Field Team, and as thus modified, concur with it.

John L. Hofflund
Acting Associate Solicitor

400
McMahon
Martin

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
November 28, 1956

MEMORANDUM

To: Associate Solicitor, Division of Mineral Resources

From: Iron and Ferro-Alloys Division, DMEA

Subject: Review of application and draft of letter requesting Field Team to obtain copy of the lease from the applicant.
Docket No. DMEA 4458 - Mercury
Integral Mining Company
Integral Quicksilver Mines
Trinity County, Nevada

Transmitted herewith is a draft of a letter requesting that the Field Team, Region II, ask the applicant to obtain from his attorney, in support of the application, a copy of the lease on the above cited property. One of the partners is part owner, and there may be some question as to the necessity of requiring a lease for exploration contract purposes. Consequently, we would appreciate your reviewing this application and accompanying correspondence and giving us your recommendations.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Attachments

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

RECEIVED NOV 14 1956 D.M.E.A.

Docket

1605 Evans Avenue
Reno, Nevada

November 8, 1956

Memorandum

WSG

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Actg. Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4458 (Mercury)
Integral Mining Company
Trinity County, California

Enclosed are two copies of a letter dated November 3, 1956 from the applicant reaffirming that he sent us his only copy of the lease on the subject property.

We do not have this copy in our file, and I cannot tell whether he refers to "THE ARTICLES OF MINING PARTNERSHIP" that accompanied the application or if he did submit a copy of a lease.

If you wish me to take further action, I shall appreciate your suggestions.

Roscoe M. Smith

Roscoe M. Smith

Encl.
11/16/56
- only 1 Copy received.
- no
- no

NOV 13 1 46PM '96

GEORGE R. ANDERS
P. O. BOX 406
MIDDLETOWN, CALIF.

COPY

RECEIVED
NOV 14 1956
D.M.E.A.

Middletown, Calif.

Nov. 3rd, 1956

Gentelmen:

Re: Docket #DMEA-4458 (Mercury)
Integral Mining Co.
Integral Quicksilver Mines
Trinity County, Calif.

Your letter of
Nov/ 1st/ 1956
Received and contents noted.

In your 3rd paragraph you state that you did not receive a copy of the lease the only copy and lease was the one made to the Integral Mining Company and notoried and I only had the one copy and that copy I sent to you and you should have it, Patterson and Miller each have a copy but Miller is out in Nevada and Patterson overseas however if you havent the copy I guess the attorney that drew it has one let me know if you will have to have it. Also regarding examination of the mine it will be some time in May 1957 before examine same it is all covered with snow.

In replying address

George R. Anderson
c/o Oat Hill Extension Quicksilver Mines

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

RECEIVED NOV 5 1956 D.M.E.A.

1605 Evans Avenue
Reno, Nevada

November 1, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: R. M. Smith, Acting Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4458 (Mercury)
Integral Mining Company
Integral Quicksilver Mines
Trinity County, California

Enclosed are the original and two carbon copies of Mr. George R. Anderson's reply to your letter of October 5, 1956, and two copies of my reply to Mr. Anderson.

Roscoe M. Smith

Roscoe M. Smith

Encls.

Nov 5 9 20 AM '56

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

1605 Evans Avenue
Reno, Nevada

November 1, 1956

Mr. George R. Anderson
Integral Quicksilver Mines
P. O. Box 406
Middletown, California

RE: Docket No. DMEA-4458 (Mercury)
Integral Mining Co.
Integral Quicksilver Mines
Trinity County, California

Dear Mr. Anderson:

Thank you for your letter of October 12, 1956, replying to Mr. Martin's request for additional information. We are forwarding your letter to our Washington office.

It is noted that you did not include a copy of your lease as requested in the second paragraph of Mr. Martin's letter. Without this lease, the processing of your application cannot be completed. We shall appreciate your submitting a a copy so that your application may be given prompt consideration.

It is also noted that examination of the mine cannot be made until late Spring, 1957.

Very truly yours,

Roscoe M. Smith
Acting Executive Officer
DMEA Field Team, Region II

RMSmith:ft
cc: Opr. Com., DMEA, Interior Building, Wash., D.C.
RMSmith, Menlo Park, Calif.
File

(C O P Y)

(C O P Y)

Middletown, California
October 12, 1956

D. M. E. A.
Reno, Nevada

Gentlemen: I am in receipt of a letter dated Oct. 5th requesting more information on exploration assistance in regart to Re: Docket No D. M. E. A. 4458 - Mercury Integral Quicksilver Mines Castella Calif. We have closed the integral for this year as it is getting close to snow time and we are not fixed to operate in the winter season so please address all corrospondence to Integral Quicksilver Mines C/o George R. Anderson P.O. Box 406 Middletown, Calif.

Item 4C: The ore occurs in lenses in or at the Serpentine contact, the ore occurs in altered feldspar-porphyry with calsite the dip is NW by SE this property has been worked for 50 or 60 years the old workings consist of a shaft 180' deep and a winze 120' the old dumps show about 10,000 tons of ore milled and when the mine shut down the ore bins and quite a lot of the dumps showed ore left to go to 20 lbs. of mercury per ton at the price of silver at that time the Integral could not make money on this.

The old workings are all caved however we have done some bull-dozing on top and there are good showing at the grass roots the exploration will be done 200' East of old shaft with 60' of backs

(Sheet (2)) 5B. The proposed exploration work will be under where the ore pans 3 to 5 Lbs at the grass roots the proposed work would be under these samples about 60' giving 60' of backs

6B We have our own labor, we can do our own supervision and engineering and geological work

6D We have the following equipment

1-55 Cletract Tractor	3,500.00
1- Angle Dozer	1,000.00
1-25 HP Hoist	400.00
1-10x12 Crusher	250.00
1- Hydratich Atlas scraper never used Jack Hammers, Stopers chisels hose ect	500.00
	$6,400.00

And cash to carry on work 1,500.00

Sheet (3)

In reference to
Re:- Docket No 4458 - Mercury
Integral Quicksilver Mines
Trinity County, Castella, Calif

this should be
Re:- Docket No 4458 - Mercury
Integral Mining Co.
Trinity County, Castella, Calif

as the parties applying for assistance are

George R. Anderson
Floyd J. Miller
Thomas Patterson

as the above parties have the lease
George R. Anderson and Zack Anderson are the owners of the property

With refrence for the time required for the goverments exploration cost takes from three to 4 weeks I think it will be to late this year as the elevation at the summit is 7,000 ' elevation and at the Integral 4,500' elevation and that the property will be covered with snow so it will be the middle of May 1957 before you can inspect the property
Please address future corespondence to
Integral Mining Co C/o George R. Anderson
P. O. Box 406

vneer (1) Middletown Calif
October 12 1956

RECEIVED NOV 5 1956 D.M.E.A.

D.M.E.A.
Reno, Nevada

Gentlemen: I am in receipt of a letter dated Oct 5th requesting more information on exploration assistance in regart to Re: Docket No D.M.E.A. 4458 - Mercury Integral Quicksilver Mines Castella Calif we have closed the integral for this year as it is getting close to snow time and we are not fixed to operate in the winter season so please address all correspondence to Integral Quicksilver Mines C/o George R Anderson P.O. Box 406 Middletown Calif

Item 4C: The ore occurs in lenses in or at the Serpentine contact, the ore occurs in altered feldspar - porphyry with calcite the dip is NW by SE this property has been worked for 50 or 60 years the old workings consist of a shaft 180' deep and a winze 120' the old dumps show about 10,000 tons of ore milled and when the mine shut down the ore bins and quite a lot of the dumps showed ore left to go 16 to 20 lbs of mercury per ton at the price of silver at that time the Integral could not make money on this.

The old workings are all caved however we have done some bulldozing on top and there are good showing at the grass roots the exploration will be done 200' East of old shaft with 60' of backs

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
RECEIVED

1956 OCT 15 AM 9:00

RENO, NEVADA

Sheet (2)

5B, The proposed exploration work will be under where the ore pans 3 to 5 Lbs at the grass roots the proposed work would be under these samples about 60' giving 60' of backs

6C We have our own labor, we can do our own supervision and engineering and geological work

6D We have the following equipment

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1- Angle Dozer	1,000.00
1-25 HP Hoist	400.00
1-10x12 Crusher	250.00
1- Hydratich Atlas	
Scrapers never used	750.00
Jack Hammers, Stopers	
Chisels hose & ect	500.00
	$ 6,400.00

And cash to carry on work 1,500.00

Sheet (3)

In reference to
Re:- Docket No 4458 - Mercury
Integral Quicksilver Mines
Trinity County, Castella, Calif

this should be
Re:- Docket No 4458 - Mercury
Integral Mining Co.
Trinity County, Castella, Calif.
as the parties applying for
assistance are
George R. Anderson
Floyd J. Miller
Thomas Patterson
as the above parties have the lease
George R Anderson and Jack Anderson
are the owners of the property

With refrence for the time required
for the goverments exploration cost
takes from three to 4 weeks I think
it will be to late this year as
the elevation at the summit is
7,000' elevation and at the Integral
4,500' elevation and that the property
will be covered with snow so it
will be the middle of May 1957
before you can inspect the property
Please address future correspondence to
Integral Mining Co % George R Anderson
P.O. Box 401

DOCKET
SURNAME

400 McMahon
Martin
Whitcomb

1956

Integral Mining Company
P. O. Box 154
Castella, California

Re: Docket No. DMEA 4458 - Mercury
Integral Quicksilver Mine
Trinity County, California

Gentlemen:

Your application for assistance in exploring for mercury at the Integral Quicksilver Mine has been carefully reviewed by the Washington office of the Defense Minerals Exploration Administration and, in order that it may be given prompt consideration, we shall appreciate your submitting the additional information indicated below. Enclosed for your immediate reference are copies of the application form, DMEA Order-1 Amended, and the "Questions & Answers" booklet.

Under "Applicants project rights", item 3(d) of the application states: "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." "THE ARTICLES OF MINING PARTNERSHIP", accompanying your application, and stating that the property "will be leased" to the Partnership, cannot be considered as a substitute for the required copy of a lease.

For other information needed to process your application your particular attention is directed to the instructions itemized in the application form as 4(c), 5(b), 6(b), and 6(d). The detailed data required in these items are necessary to support your request for exploration assistance.

Your application states that you are prepared to furnish your share of the cost of the proposed project by labor and use of equipment owned by you. Credit for use of operator-owned equipment is calculated on an amortization or depreciation basis over the contract term. Therefore, the equipment owned by you and necessary to the exploration work should be listed in item 6(d) together with estimates of present fair market prices for similar equipment in your area. Also, as payment of the Government's share of the

RCS.

exploration costs taken from three to four weeks after the operator submits a properly supported voucher, an applicant should have sufficient funds to finance at least two months' exploration work.

Your application will, therefore, be held in abeyance for a reasonable time to allow you to submit a copy of a lease on the Integral mine property and the required additional information indicated above.

Sincerely yours,

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Enclosures

ADMcMahon/foc
10/4/56
cc to: Docket
Code 400
Admr. Read. File
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

Docket

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

September 24, 1956

WSM

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Application, Docket No. DMEA-4458 (mercury), Integral Mining Co., Integral Quicksilver Mine, Trinity County, California. $14,200.

The applicant proposes to explore the Integral mine by rehabilitation of 175 feet of old workings, 80 feet of raising and 100 feet of crosscutting at an estimated total cost of $14,200.00. It is believed that the deposit contains about 10,000 tons varying from 3 to 40 pounds of mercury per ton.

Additional information on the property is requested to evaluate the application.

Referral of the application to the Field Team is recommended.

J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

Copy retained 400

Docket

IN REPLY REFER TO:

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

RECEIVED
SEP 13 1956

September 12, 1956

Re: DMEA 4458
Integral Mining Co.,
Integral Quicksilver Mine
Trinity Co., Calif.
$14,200 - Mercury

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

Copy retained 400

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

The applicant requests assistance in reopening an old mine and raising and crosscutting. The mine has been down about 60 years, but, according to the application, there may be 10,000 tons of 3 pound material in a serpentine-porphyry contact zone. Such material, if existent, is considered available for open cut mining.

The opening of the old workings, raising and crosscutting probably would explore the contact zone.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

September 10, 1956

Integral Mining Company
P. O. Box 154
Castella, California

Subject: DMEA-4458
Re: Exploration Assistance
Integral Quicksilver Mines

Gentlemen

Your application for exploration assistance, dated September 1, 1956 submitted to our office at Region II has been assigned Docket Number DMEA-4458 and referred to the Iron and Ferro-Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

3571