OE MINERALS EXPLORATION ADMINISTRAT
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DMEA Docket No. 4489

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| To: | 130 | Date | 1-15-57 |
| To: | 110 | Date | 1-16-57 |
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IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4489

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~~(Withdrawn~~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

**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

9775

R m E a

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

RECEIVED
OCT - 4 1956

1605 Evans Avenue
Reno, Nevada

October 2, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Mercury)
Pilot Mining Company
Redwing Mercury Mine
Mineral County, Nevada

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

This is a revision of the application processed under Docket No. 2808 in 1953.

S. Ricker

Attachs.

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

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This is a revision of the application processed under Docket No. 2808 in 1953.

S. Ricker

Attachs.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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# 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. 4489
Metal or Mineral Mercury
Date Received 10/4/56
Estimated Cost $ 5,000
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: Pilot Mining Company, 1320 Arapahoe st., Los Angeles 6, Calif. c/o Mr. J. A. Barry.

(*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. Limited Partnership (Nevada) Cf. No. DMEA 2808

(*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 Redwing Lode Claims, in Sections: 17 & 20: T-6-N: R-36-E: M. D. M. Cf. No. DMEA 2808 & attached addendum sheets.

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

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

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. See Sketch AAA & DMEA 2808

(*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. Cf. DMEA 2808

(*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 wish to explore Mercury, mostly as cinnabar.

(*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. See attached sketch AAA.

(*c*) The work will start within May, 1957 days and be completed within four 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 of Government participation (Sec. 7, DMEA No. 1)? Yes.

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

[X] 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 Sept. 28, 1956

Pilot Mining Company
(Applicant)

By J. A. Barry
J. A. Barry
Sole General Partner
1320 Arapahoe st.
Los Angeles 6, 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

Addendum Sheets.
MF-103 Applica tion for Aid in Mine Exploration.
Pilot Mining Company (Mercury Mine)
1320 Arapa hoe street
Los Angeles 6, Ca lif.

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Addendum Sheet No. 1.

1. (a) Pilot Mining Company
1320 Arapahoe street
Los Angeles 6, California.

(b) Limited Partnership in which J. A. Barry, 1320 Arapahoe street, Los Angeles 6, Calif., is sole general partner and M. H. Nystrom, 1200 So. Hoover st., Los Angeles 6, Calif., is sole limited partner. Registered in Nevada.

(c) No corporation.

(d) As shown above.

3. (a) Redwing Lode Mining Claims Nos. 1 to 7, inclusive, unpatented, in Pilot Mountains Mining District, Mineral County, Nevada. Situated in and comprising portions of Sections 17 and 20: T-6-N: R-36-E: M.D.M.

(b) Redwing Mercury Mine.

(c) Owner of unpatented mineral claims by right of cash purchase and by location under applicable mineral laws.

(d) Cf. No. DMEA 2808. Quit Claim Deed Redwing 1-34 location 567

(e) No liens or encumbrances.

(f) See following addendum.

4. Physical description. Cf. No. DMEA 2808 - Engineer's Report by Frank R. Wicks, Consulting Mining Engineer, with maps and sketches; complete signed copy. See also photostatic copy of letter prepared by former locator and operator.

5. Exploration Project:

(a) Mercury, mostly as cinnabar.

(b) Special Note: The Exploration Project recommended on Page 8 of Engineer Wicks' Report, No. DMEA 2808, for the Redwing Mercury Mine is replaced in this new Application herewith by plan shown in sketch AAA following.

Addendum Sheets.
MF-103 Application for Aid in Mine Exploration.
Pilot Mining Compa ny (Mercury Mine).
1320 Arapahoe street,
Los Angeles 6, Calif.

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Addendum Sheet No. 2.

The plan herewith offered is to extend the new
lin. ft./ twenty-three/trench and tunnel, opened this summer, for a distance of approximately sixty feet from this point in the hill below Main Shaft No. 1 or until this tunnel extension shall intersect the vein continuing below the shaft. The pla n also includes approximately one hundred lineal feetof underground workings, drifts and cross-cuts as the development work makes feasible. In total, one hundred and sixty (160) lineal feet of tunnel, cross-cuts and drifts. The situation to be explored here is described as follows in Engineer Wicks' report included in No. DMEA 2808: "The main development is on the No. 1 Claim where six separate pits and a 25 ft. shaft tend to more or less outline the vein system. There appears to me to be a rather definite ore zone a bout 30 feet wide, indicated by two parallel veins on hanging wall and foot wall sides. These have a strike of North 40 West in the vicinity of the shaft. The northwest extension trends more northerly on the No. 2 Claim. The Southeast bends strongly to the east near the south side line of No. 1 Claim. The upper vein dips 65 degrees easterly, while the lower dips 80 degrees easterly, indicating a tendency for the zone to widen at depth. The whole could perhaps be construed as a fault fissure with brown sandstone on the base and conglomera ted quartz and silicified limestone as an upper strata of a sedimentary structure locally known as the Dunlap formation. Crossing near the shaft is a diagonal or cross fault vein which strikes N 60 W and stands nearly vertical. This seems to be limited in extent to the sedimentary structure, but was apparently a localizing factor as to high grade spots and streaks of mineral in and about the shaft." On the face of the beginnings of the new tunnel opened this summer is a showing of a streak of nearly pure cinnabar (on the left hand side, which the miners obscured with dust as protection against vagrant high-graders).

(c) Work will be begun in May, 1957, at close of winter season, and proposed program will be completed within four months.

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OCT - 4 1956

Addendum Sheets.
MF-103 Application for Aid in Mine Exploration.
Pilot Mining Company (Mercury Mine).
1320 Arapahoe street
Los Angeles 6, Calif.

Addendum Sheet No. 3

(d) Applicant principals are experienced business manufacturers, with sufficient time spent in the field to provide executive perspective in mining factors. Applicants will employ local miners, experienced in the Pilot Mountains Mining District, when and if available; supervision by Fred and Homer Gilbert of Luning, Nevada, or other mining operators of similar experience.

6. Estimated Costs:

Using the basis laid down by the Washington office in consideration of previous Application No. DMEA 2808 (cf. letter of H.C. Miller of Jan. 26, 1953), the cost of level underground work - tunnels, drifting and cross-cutting - is placed @ $30 a lineal foot; totalling for submitted 160 lineal feet the sum of $4800. Four days road work with grader was approved as a separate item of $200. Grand total requested in Application herewith, $5000. This unit cost basis, as indicated by Washington, includes all cost for consulting, supervision, engineering, accounting, sampling, assaying and taxes. Cost of a proposed tool shed for $300.00 was also taken care of in the unit cost; thus permitting, it was stated, the use of the simplified form of contract. (Approval of No. DMEA 2808 was later reversed, in March, 1953.)

Additional References & Data:

Complete legal record including photostatic copies of chain of title of Pilot Mining Company to the Redwing group of seven claims, totalling an area of about 130 acres, is contained in file of No. DMEA 2808, with the exception of recording of Location Certificates for Redwing Claims Nos. 5, 6 and 7, which were filed, respectively, on Dec. 6, 1952, in Pages 418-419, 419 and 419-420, Book 14 of Mining Locations, Records of Mineral County, Nevada. Proof of Labor for Assessment Work for Redwing Claims Nos. 1,2,3,4,5,6 and 7 for year ending July 1, 1956, were filed for record on July 18, 1956, in Book 10 of Proof of Labor, Page 203, Records of Mineral County, Nevada .

Addendum Sheets.
MF-103 Application for Aid in Mine Exploration.
Pilot Mining Compa ny (Mercury Mine).
1320 Arapa hoe street
Los Angeles 6, Calif.

Addendum Sheet No. 4

Elevation: At Properties: 7200-7900 feet above sea level.
" Pilot Peak: 9200 feet.
" Mina : 4700 feet.

Governement Reservations: None.

Roads: Paved roads to Mina, on U.S. Highway 95. Thence by Simon County road 2 miles; thence southeast and south 8 miles with run-off to former McKinnon goat ranch; thence one mile to property. Road approaching the property is in a steep narrow canyon.

Road distance: Mina is 30 miles south of Hawthorne and 30 miles north of Coaldale Junction, which is 40 miles northwest of Tonopa h, Nevada.

Base of supplies: Mina. Southern Pacific Railroad branch line and telegraph and postoffice, stores, motor courts, etc.

Equipment on property: One good cabin, furnished. Small tools only.
Production: Seventy-five flasks quicksilver, est., by prior leasers.
Terrain: Barren rolling hills.

Climate: Severe winter storms, usually between Dec. 15th and April 15th.

Timber: Scrub cedar firewood on property. Mine timber can be purchased at Mina from nearby sources.

Water: Small springs near cabin on No. 4 Claim. Flow sufficient for camp use and for small mine operations. Could probably be increased by development. No water in mine workings.

Labor supply: Ample local labor, experienced in these small mercury mines, for initial development program and probably ample for any normal operations now contemplated.

Maps and sketches: Amended from original notes by Wicks and sketches by Barry.

Samples for Assay: Taken by Wicks and Barry and early lessees.

General operating conditions: Good. Truck road to workings.

Addendum Sheet [redacted]. Application MF-103. [redacted]t. 28, 1956.

ASSAY referred to on Sheet No. 6.....W@ A"

ORE TESTING
SAMPLINGS
*and*
SUPERVISION OF
ORE SHIPMENTS

Phone
VAndike 9328

# ED. EISENHAUER, Jr.

*Established 1916*

**ASSAYER -- METALLURGIST -- CHEMIST**

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIF.

See pocket WSM

Dec 13/54

Mr. J. Barry
Los Angeles
Calif

Subject : Assay of Ore.

Mercury(Hg) 6.55 %

Respectfully submitted

Ed. Eisenhauer, Jr

Ed. Eisenhauer, Jr

Paid
2.00
E. E. Q.

REMARKS: The vein, which was pencil-wide at surface of this No. 1 original shaft, gradually widened as it was followed down by prior high-grade leasers...until latest six-foot of sinking by present owners shows the above assay from bucket of muck mingled with vein now more than two inches wide across floor of shaft.

J. A. Barry

Addendum Sh[redacted]t [redacted]o. 8. Applica tion MF-[redacted] Sept. 28, 1956.

ORE TESTING
SAMPLINGS
*and*
SUPERVISION OF
ORE SHIPMENTS

*Established 1916*

Phone
VAndike 9328

A SSAY referred to on Sheet No. 6...."@ B"

# ED. EISENHAUER, Jr.

**ASSAYER -- METALLURGIST -- CHEMIST**

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIF.

November 16/54

Mr. John A. Berry
Mina, Nevada

Subject: Assay of Ore.

Marked: #1

Mercury (Hg) .72%

Respectfully submitted,

Charges: $ 2.00

Ed. Eisenhauer, Jr.

REMARKS: The present owners broke fresh ground with these open pits following seams of ore branching down the hill from the surface of shaft No. 1. The above and following assays are from a score of cuttings from a seven foot square in the face of the work. Constant pannings indated the over-all extent of these workings is disseminated with commercial ore of the above and the subsequent assays shown here.

J. A. Barry

Addendum Sheet No. 9 Application MF-103 Sept. 28, 1956.

ORE TESTING
SAMPLINGS
*and*
SUPERVISION OF
ORE SHIPMENTS

*Established 1916*

Phone
VAndike 9328

ASSAY referred to on Sheet No. 6.....#@B#

# ED. EISENHAUER, Jr.

**ASSAYER -- METALLURGIST -- CHEMIST**

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIF.

Dec 8/54

Mr.J.A.Barry
Los Angeles
Ca lif

Subject : Assay of Ore.

Mercury(Hg) .94 %

Charges : $ 2.00

Respectfully submitted

Ed.Eisenhauer,Jr

REMARKS: Another assay from samples taken from same location and circumstances covered by REMARKS of Sheet No. 8.

J. A. Barry

JOHN A. BARRY

June 26, 1958

1320 ARAPAHOE, LOS ANGELES 6, CALIFORNIA
Tel: Dunkirk 2-7670

Extra Bureau of Mines copy returned with income tax Schedule

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1609 Evans avenue
Reno, Nevada

Re: Docket No. DMEA 4489-Mercury
Rowling Mercury Mine
Mineral County, Nevada
Also: Docket 2808, Ditto

Dear Mr. Ricker:

May I submit herewith a further application for exploration assistance, thru the DMEA, for the above-described Rowling Mercury mine - seven unpatented claims owned by the Pilot Mining Company, a Limited Partnership, of which the undersigned, J. A. Barry, is the sole General Partner.

Since the denial of No. 4489 in January, 1957, we proceeded during 1957 with some of the program indicated in that application. The result has been that almost half of the 90' tunnel driven towards and below our No. 1 shaft has developed mineralization in the vein, beginning in the roof, of parcial width and steadily widening until, when winter stopped us, at a depth of 12' in a winze 20' in length, we are in 1.43% ore - the assay consisting of shovel-per-wheelbarrow of a complete round of muck, walls as well as the vein, proper.

In addition to an outline sketch made by myself and covering same, I've enclosed the financing plan indicated for our original application No. 2808 when that was on the point of being consummated, about when Mercury was removed for the time being from the strategic metals list, DMEA. It is on the basis of this plan that application is now made for a program amounting to $3540; that is, sinking the winze 30' @ $78 per ft, and 40' of a raise, drifts and crosscuts, @ $30 per ft. We have already opened up the raise at the end of the tunnel to within perhaps two more rounds to contact the rich vein in the drift of No. 1 shaft. (See engineer's reply to Mr. Miller's letter as to dimensions, in No. 2808.)

We would perform the work thru the contractors named in our earlier applications, the Gilbert Brothers - Fred O. & Homer L. - of Luning, Nevada or other such experienced miners. With sufficient notice they or others will guide your field team to and over the Red Wing workings. Please advise me at the address above, if desired.

May I express my appreciation here of the prompt and cordial cooperation given by your office and the national office thru Mr. Wittendorf in the matter of our previous requests.

P. S. - Work could be started on or after Aug. 1, 1958

Sincerely,

J. A. Barry

Form MF-103
Revised Oct. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

# APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

**NAME OF APPLICANT** (Full legal name and mailing address as it should appear on contract if one is executed)

PILOT MINING CO.
c/o J. A. Barry
1320 Arapahoe st.
Los Angeles 6, Calif.

**APPLICANT NOT TO USE THIS BLOCK**

Docket Number: DMEA-5075

Date Received: 6-30-58
Reno 6/30/58

Government Participation %:

Region: II

Division Code: 400

**BUSINESS ORGANIZATION** (Check one)

- Individual [ ]
- Corporation [ ]
- Partnership [✓]
- Other (Specify) [ ]

State in which firm is organized: Nevada

**LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE**

| Name | Address | Title |
|---|---|---|
| J. A. Barry | 1320 Arapahoe st. Los Angeles 6, Calif. | Sole General Partner in Limited Partnership |
| J. H. Nystrom | 1200 S. Hoover st. Los Angeles 6 Calif. | Sole Limited Partner |

Mineral(s) for which you wish to explore: Qu. Quicksilver (Mercury)

Estimated Cost of Project: $ 3940.00

**LOCATION OF PROPERTY**

| Name | County | State |
|---|---|---|
| Redwing Quicksilver Mine | Mineral | Nevada |

## GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order—I, Revised, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

## 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.

June 26, 1958
*Dated*

J A Barry
BY *(Signature)*

Sole General Partner, Limited Partnership, Pilot Mining Co.
*Title*

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

## INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

*(a)* State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

*(b)* State all the names by which you know the property.

*(c)* State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

*(d)* Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

*(a)* Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

*(b)* State your interest, if any, in operations stated in 2*(a)*.

*(c)* State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

*(d)* Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

*(e)* Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

*(f)* State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

*(g)* Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

*(a)* To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

*(b)* Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

*(a)* Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

*(b)* If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

*(c)* In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

*(a)* Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

*(b)* Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

*(c)* Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

*(d)* Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

*(e)* Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

*(f)* New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

*(g)* Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

*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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Revised.

*(b)* Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 25960

APPLICATION PILOT MINING CO. (J. A. BARRY) Re: Item 2

ASSAY from Tunnel-Lense at (C) as shown on Outline Sketch

ED. EISENHAUER, JR.
C. EISENHAUER RAYMOND

The EISENHAUER LABORATORIES
316-322 South San Pedro Street
Phone VAndike 9328 . . . LOS ANGELES 13, CALIF.

Established 1916
ASSAYERS
METALLURGISTS
CHEMISTS
ORE TESTING

Nov. 12/57

J.A. Barry
Los Angeles
California

Subject: Assay of Ore

Mercury (Hg) 1.43%

Charges: $ 2.50

Respectfully submitted,

Ed. Eisenhauer, Jr.

APPLICATION PILOT MINING CO. (J. A. BARRY) Re: Item 6

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

January 26, 1953

Mr. J. A. Barry
Pilot Mining Company
1320 Arapahoe Street
Los Angeles 6, California

Re: Docket DMEA-2808 (Mercury)
Redwing Mercury Mine
Mineral County, Nevada

Dear Mr. Barry:

The Washington office of the Defense Minerals Exploration Administration has phoned me requesting me to get some additional information from you, in connection with your request for Government Exploration assistance at the Redwing Mercury Mine.

The information requested is: (1) what is the cross sectional size of the shaft, that is, the size of the hole; (2) what size timber is to be used in the shaft; (3) what will be the size of the shaft in the clear, and (4) how many compartments will be there and what size will they be in the clear.

The Washington office informs me that they are planning to put Myour exploration proposal on a unit cost basis. This will simplify matters all around and make accounting simple. The plan is to allow you four days work with a road grader at $50.00 a day or $200.00; $42.00 a foot for repairing and retimbering 25 feet of shaft or $1,050.00; $78.00 a foot for sinking 75 feet of shaft or $5,850.00, and $30.00 a foot for drifting and crosscutting 100 feet or $3,000.00. These figures give a total of $10,100.00 or $35.00 more than you asked for.

The above cost include all cost for consulting, supervision, engineering, accounting, sampling, assaying, and taxes. The cost of building the $300.00 tool shed also was taken care of in the unit cost. If this item were to be set out by itself in the contract, the simplified form of contract could not be used, so it seemed best to include the cost of building a shed in the unit costs which are high enough to cover the expense of erecting the building.

Kindly let me have the requested information as soon as possible.

Sincerely yours,

H. C. Miller
Executive Officer
DMEA Field Team, Region III

DRAFT

SPH
1.30.59

(Rough draft only, draft to Legal
to be typed on new OME form.)

MF-200A
(Rev. April 1956)

# UNITED STATES OF AMERICA
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION
## EXPLORATION PROJECT CONTRACT
### (Short Form)

| XXXXXX No. | Commodity | Contract No. | County | State |
|---|---|---|---|---|
| | Mercury | XXXXXX | Mineral | Nevada |

It is agreed ....., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and ....Pilot Mining Company, a limited partnership,.....

whose mailing address is ....c/o J. A. Barry, 1320 Arapahoe Street, Los Angeles 6, California.

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF–200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before ....., and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within ..six (6).... months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $..3,600.00..... The Government will contribute ..50..... percent of the fixed unit cost of the work performed, not exceeding $..1,800.00....., in accordance with the provisions of Articles 4 and 5.

(c) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: .....None.....

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: .....None.....

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after certification of discovery or development, to inspect production operations and underground workings. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer or as surety if the Operator is not the producer (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling, assaying, or transportation performed or paid by the Operator or by anyone other than the buyer are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent) after the lapse of six months from the date the ore was extracted from the ground remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this Article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions.*—

.....

.....

.....

.....

.....

.....

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

PILOT MINING COMPANY
(Operator)

By .....
**Acting Director, Office of Minerals Exploration**

By .....

.....

I, ....., certify that I am the ..... secretary of the corporation named as Operator herein; that ....., who signed this contract on behalf of the Operator, was then ..... of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

.....

[ CORPORATE SEAL ]

U. S. GOVERNMENT PRINTING OFFICE : 1956—O-383069

DRAFT

SPH
1.29.58

EXPLORATION PROJECT CONTRACT
PILOT MINING COMPANY
DOCKET NO. _____

ANNEX I

The land referred to in Article ___ of the contract consists of seven unpatented lode mining claims, (Fig. 1), situated in sections 17 and 20, T. 6 N., R. 36 E., M. D. B. and M., Pilot Mountains Mining District, Mineral County, Nevada, and recorded in the office of the Recorder of Mineral County at Hawthorne, Nevada, as follows:

| Claim Name | Recorded Book | Recorded Page |
|---|---|---|
| Redwing No. 1 | 11 | 251 |
| Redwing No. 2 | 11 | 251-252 |
| Redwing No. 3 | 11 | 252 |
| Redwing No. 4 | 11 | 252-253 |
| Redwing No. 5 | 14 | 418-419 |
| Redwing No. 6 | 14 | 419 |
| Redwing No. 7 | 14 | 419-420 |

Proof of Labor for year ending July 1, 1956, filed on July 18, 1956, in Book 10 of Proof of Labor, Page 203, Records of Mineral County, Nevada.

Mr. George Belfridge
Rm. 3538

For Government Use Only

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



Minutes
OPERATING COMMITTEE
October 1, 1952

## Field Referrals - Application

DMEA-2681
Mica
Region VII

COVINGTON, W. H., POLKVILLE, NORTH CAROLINA. Rutherford County, North Carolina.
Letter to the field requesting examination and report. Memoranda enclosed from Bureau of Mines and Geological Survey. Letter to the applicant.

DMEA-2683
Mica
Region VII

BRYSON, T. D., FRANKLIN, NORTH CAROLINA. Lyle Knob Mines, Macon County, North Carolina.
Letter to the field requesting examination and report. Memoranda enclosed from Bureau of Mines and Geological Survey. Letter to the applicant.

DMEA-2687
Mica
Region VII

PHILLIPS, S. L., JOHN AND CARPENTER, LIN., SPRUCE PINE, NORTH CAROLINA. Iotla-Bowers Mine, Macon County, North Carolina.
Letter to the field requesting examination and report. Memoranda enclosed from Bureau of Mines and Geological Survey. Letter to the applicant.

## Field Referral - Contract

DMA-2202X
Mercury
Region VI

AMERIMEX MINING COMPANY, ALPINE, TEXAS. Buena Suerta (Fresno) Mine, Presidio County, Texas.
Letter to the field enclosing original and 5 copies of contract for signature and return to this office for further execution.

## Field Reports

DMEA-1145
Lead, Zinc
Idm-E11
Region V

DODGEVILLE MINING COMPANY, MADISON, WISCONSIN. A. R. Jones Property, Iowa County, Wisconsin.
FINAL FIELD REPORT recommending no certification be made. Report referred to the Commodity Group via R&R.

DMEA-2392
Mica
Idm-E352
Region V

MINERAL MILLS, INC., CUSTER, SOUTH DAKOTA. Glenwood Mine, Custer County, South Dakota.
FINAL FIELD REPORT recommending Certification of Discovery. Report referred to the Commodity Group via R&R.

DMEA-2551
Tin
Region III

EDWARDS, S. F., CAMPO, CALIFORNIA. Andes Mine, San Diego County, California.
Field report recommending denial. Report referred to the Commodity Group via R&R.

DRAFT

SPH
1.29.59

EXPLORATION PROJECT CONTRACT
PILOT MINING COMPANY
DOCKET NO. ____

EXHIBIT "A"

Description of the Work

The maps attached to and made part of the contract are as follows:

Fig. 1. Redwing Group Mercury Claims, Mineral County, Nevada.

Fig. 2. Sketch Map of the Main Workings of the Red Wing Property, Pilot Mountains Mining District, Mineral County, Nevada.

Fig. 3. Red Wing Mercury Mine, Pilot Mountains Mining District, Mineral County, Nevada.

Proposed Work

1. Sink inclined winze to 30 feet depth below the present bottom, size 3 feet 10 inches by 6 feet 11 inches cross section in the clear of timber, timbered with 6 inch by 8 inch stulls, stringers and posts, lagged with 2 inch lagging where needed. Unit cost per foot of winze includes cost of timber and installation of same.

2. Drift and/or crosscut 30 feet, either from the adit, or from the bottom of the winze, as approved by the Government. Drifts and crosscuts shall be not less than 5 feet by 7 feet in cross section, and be timbered where necessary.

3. Raise 10 feet, either from the adit or winze, or sub-level workings from winze, as approved by the Government. Raise shall be not less than 4 feet by 7 feet in cross-section, and shall be timbered if necessary. Unit cost per foot of raising shall include cost of timber and installation of same, if timbering is necessary.

Estimated Cost of the Project

DMEA Operating Committee Minutes
Meeting No. 124
October 6, 1952

Miscellaneous (continued)

| | |
|---|---|
| DMEA-2123<br>Idm-E228<br>Lead, Zinc<br>Region II | PACIFIC NORTHWEST MINING COMPANY, SPOKANE, WASHINGTON. The Lucile Mine, Stevens County, Washington.<br>Letter to the Field, in reply to its letter of September 29, 1952, regarding the Consent to Assignment and forwarding six copies. A wire to the Field regarding the same subject. |

The Minutes for October 3, 1952 were approved. The next meeting will be held on October 8, 1952.

APPROVED:

Frank E. Johnson
Chairman, Operating Committee

J. H. Hedges
For Bureau of Mines

T. P. Thayer
For Geological Survey

## Fixed Unit Costs

| | | |
|---|---|---|
| 1. | Sink winze, 30 feet @ $78.00/ft. | $ 2,340.00 |
| 2. | Drift and/or crosscut, 30 feet @ $30.00/ft. | 900.00 |
| | Timbering drift and/or crosscut, 10 feet @ $6.00/ft. | 60.00 |
| 3. | Raise 10 feet @ $30.00/ft. | 300.00 |
| | Estimated Total Cost of the Project | $ 3,600.00 |
| | Government Participation @ 50% | 1,700.00 |

Mr. George Selfridge
Rm. 3538

For Government Use Only

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

No. 124

Minutes
OPERATING COMMITTEE
October 6, 1952

## Amendment to Contract

DMEA-2399
Idm-E339
Lead, Zinc
Region V

THE EAGLE PICHER COMPANY, MIAMI, OKLAHOMA. Projects 1, 2, 3 and 4, Lafayette County, Wisconsin.
Letter to the Field with regard to Amendment No. 1.

## Miscellaneous

DMEA-527
Idm-E232
Copper
Region IV

YUCCA MINING AND MILLING COMPANY, YUCCA, ARIZONA. Antler Mine, Mohave County, Arizona.
Letter to the Field, in reply to a phone conversation on October 2, 1952, regarding an amended contract and asking that a new "Owner's Consent to Lien" be obtained, if possible, to replace the present subordination agreement.

DMEA-495
Idm-E283
Lead, Copper
Region II

BUNKER CHANCE MINING COMPANY, PORTLAND, OREGON. Property located in Shoshone County, Utah.
Letter to the Field, in reply to its letter of September 26, 1952, advising that an amendment is not necessary.

DMEA-1559
Idm-E68
AR-64
Tungsten
Region III

U. S. TUNGSTEN MINES, DINKEY CREEK, CALIFORNIA. Mud No. 7 Lode Mining Claim, Fresno County, California.
Letter to the Field, in reply to its letter of September 10, 1952, regarding disposition of property purchased under the contract.

DMEA-1647
Idm-E305
AR-160
Tungsten
Region III

THOMAS A. HAZELTON, LINDSAY, CALIFORNIA. Mt. Lewis Tungsten Claims, Iron King Mine, Tuolumne County, California.
Letter to the Field regarding the status of the work under the contract.

DMEA-1817
Idm-E343
Tungsten
Region II

ETHERTON AND SCHMITTROTH, KELLOGG, IDAHO. Big It Mine, Shoshone County, Idaho.
Letter to the Field regarding subcontract between the company and Wm. E. Etherton, dated July 31, 1952, and suggesting that an amendment be made to permit the making of subcontracts.

Office of Minerals Exploration

Report on Exploration Assistance Application

Applicant: Pilot Mining Company — Docket No. OME 6032 Mercury

c/o J. A. Barry — Date of App. April 1, 1959 (see also 3 earlier

1320 Arapahoe Street. — DMEA applications)

Los Angeles 6, California — Date Application received: Apr 3, 1959

Name of Property: Redwing Quicksilver Mine

Location: secs. 17 and 20 in T.6.N., R.36 E., M.D.M.

County: Mineral

State: Nevada

Proposed Exploration and Estimated Cost

The applicant proposes to deepen the existing inclined shaft 30 feet at $78 per foot and to drift, crosscut and raise 40 feet at $30 per foot.

| | | |
|---|---|---|
| 30' @ $78 | = | $2340 |
| 40' @ $30 | = | 1200 |
| Total | | $3540 |
| Govt. contribution | | $1770 |

5% of $225 = $11.25

Production of 157 flasks could pay for our share at current price

Government contributions requested under the former applications were as follows:

| Docket | Date | Amount | Reason for denial |
|---|---|---|---|
| DMEA 2808 | Dec. 8, 1952 | $7548.75 | Insuff. prob. etc. |
| DMEA 4489 | Sept. 28, 1956 | $3750.00 | New work did not change prev. conclusion |
| DMEA 5075 | June 26, 1958 | $1770.00 | Application received too late to process |

Analysis and Evaluation of Proposal

1. Financial Eligibility:

A - Bank letters of declination.

Bank of America, Los Angeles 57, California

Gives date, amount, proposed use, and constitutes reply, but does not give terms.

Security - First National Bank of Los Angeles

Los Angeles 6, California

Gives date, amount and constitutes reply, but does not give terms and slights use.

It is probable that a real effort was made to obtain a loan, but we do not have the facts to support this opinion. The applicant should therefore be asked for more complete letters, or for a statement that he requested such and such terms from each bank, and made it clear to the Security - First National that the funds were intended for exploration.

B - Financial Statement.

As no financial statement was submitted, the applicant should be asked to provide one.

Comments

It is obvious from the foregoing information that the applicant has not demonstrated that funds are unavailable from commercial sources on reasonable terms, based on available collateral.

"Roscoe"

①

DMEA 2808 #10,065.00 and 75% Dec 8, 1952 rec'd Dec 11, 1952

Dec. 17, 1952 E.L. Newcomb recommends referral to F.T.

Jan. 6, 1953 Helena M. Meyer " " " "

Jan. 26, 1953 G.C. Selfridge to H.C. Miller - Make exam.

Jan. 26, 1953 H.C. Miller to applicant - "The W.O. informs me that they are planning to put your exploration project on a unit cost basis."

Feb. 13, 1953 E.H. Bailey to H.C. Miller - "No need for field exam."

Feb 17, " H.C. Miller to G.C. Selfridge - covering Bailey's memo above

Mar. 4, " Arthur R. Kinkel, Jr. - recommends denial without exam.

" 10, " Helena M. Meyer - concurs with Bailey

" 19, " Denied (Govt. contrib. #7548.75)

" 30, " Gordon L. McDonough, M.C. to C.O. Mittendorf asking for report

April 9, " G.C. Selfridge to H.C. Miller - Make exam.

May 29, " E.H. Pampeyan (with D.C. Ross) made exam. Denial recommended on value of one to be discovered

June 4, " H.C. Miller concurs

" 11, " A.R. Kinkel, Jr. "

" 17, " Helena M. Meyer "

" 26, " C.O. Mittendorf to applicant affirming denial (Mercury was off the list, but this got in before May 15, so if it had been OK we could have waived contrib.)

" " " " to Gordon L. McDonough giving report

June 27, 1956 S. Ricker to applicant. We will reexamine if you make a formal application. We have a good map of the area in our files, and a map need not be presented.

Sept. 28, 1956 New application based on new work, DMEA 4489, rec'd Oct 4, submitted #5000.00 & 75%

Oct. 11, " J.W. Pennington recommends referral to F.T. for evaluation

" " " N.E. Nelson " " " " "

" 19, " G.C. Selfridge to S. Ricker - Make exam. or review

Dec. 5, " H.W. Jones & R.G. Reeves report recommends denial

" 27, " S. Ricker & Roscoe Smith concur in denial

Jan 4, 1957 N.E. Nelson concurs

" 9 " A.D. McMahon concurs

" 17, " Denied (Govt contrib. #3750.00)

$3540.00 and 50%

| | | |
|---|---|---|
| June 26, 1958 | New application, based on new work, DMEA 5075, submitted to F.T. | |
| July 7, " | F.T. memo advised us application was received too late to do anything with. | |
| " 11, " | G.C. Selfridge to S. Ricker - Please send application to us | |
| " 4, " | S. Ricker submitted to us application of June 26 | |
| " 15, " | Allen S. Dakan to applicant, saying application was received too late to accept. | |
| " 22, " | " " " " " " " " is No. DMEA 5075, but was received too late to process (Govt. contrib. $1770.00) | |
| Sept 19, " | C.O. Mittendorf to applicant sending proposed regulations | |
| Dec. 31, " | N.E. Nelson recommends referral to F.T. | |
| Jan. 7, 1959 | J.W. Pennington " " " " for evaluation. | |
| " 29, " | F.E. Johnson sending new forms, etc. | |
| Mar. 6, " | Follow-up on FEJ's letter. | |
| Apr. 1, " | Applicant submits No. OME-6032, $3540.00 & 50% | |

Mr. Seitz' statement of Oct. 14, 1952, says "But that one did not penetrate a quarter of an inch outside of the crevice where it came up".

E.H. Bailey's memo of Feb. 13, 1953, to H.C. Miller says:

"(3) Cinnabar occurs on the Redwing property chiefly in thin seams and veinlets, and it was especially concentrated along a fault in the narrow gouge zone and in a single veinlet varying in width from 1/4 to 1/2 an inch. The surrounding rocks contain only a few scattered crystals or veinlets." etc. etc.

~~U.S.G.S. Bulletin 795-E~~ (1927) by William F. Foshag. The same bulletin contains in Figure 8, page 122, a camera lucida sketch showing cinnabar and quartz replacing tuff, Red Wing group.

The geological map submitted as Addendum No. 9 with the application in Docket No. DMEA 2808 shows a Red Wing mine. That map is Plate 9 of U.S.G.S. Bulletin 795 E

Reference to "Quicksilver Deposits in Nevada" by E.H. Bailey and D.A. Phoenix (Uv. of Nevada Bulletin, Vol. 38, December 1944) shows that the property called the Red Wing in 1927 has been divided into two groups, the present Inmon and Betty properties, in sec. 23, T. 6 N., R. 36 E., M.D.M. Both are shown in the southeasterly portion of Plate 19, U.S.G.S. Bulletin 973 D, by D.A. Phoenix & J.B. Cathcart.

Plate 19, identified above, shows in the northwesterly portion a "Red Wing Prospect" that is the subject of the application [illegible]. In conformity with the

descriptions in
the Location Certificates in Docket DMEA 2808, this
Red Wing Prospect lies between the Hitt Mine (sec. 20, T. 6 N., R. 36 E.)
and the Mammoth Mine (sec. 17, T. 6 N., R. 36. E.) and
is partly in sec. 17 and partly in sec. 20 of T. 6 N., R. 36 E.
These references to sections are based on approximate
positions, as T. 6 N., R. 36. E. is not shown on the
latest topographic maps as having been divided
into sections.

EXTRA COPY
O. M. E.
RECEIVED JAN 8 1959

| DATE | INITIALS | CODE |
|---|---|---|
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| | | |
| | | |
| | | |

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

January 7, 1959

Memorandum

To: W. S. Martin, Office of Minerals Exploration

From: Assistant Chief, Branch of Base Metals

Subject: Review of application, Docket No. MMA 3975 (memory), Pilot Mining Co., Bulldog Mine, Mineral County, Nevada, $3,340

Prior applications (Dockets No. MMA 3806 and No. 3489 for $10,665.40 and $8,888.80, respectively) were denied on March 18, 1955 and January 17, 1957, respectively, because the subject property, based on all information available at the time, did not look sufficiently promising from a geological viewpoint, to justify Government participation.

Since the foregoing denials the applicant has done some of the work previously proposed, i.e. he has extended the tunnel from 83 to 98 feet close to contact with original shaft and claims that the middle 40 feet showed mineralized stone throughout and "latest work sinking since 12' for length of 20' - gives assay of 1.43% from shovelfuls-checkerwork of full round of rock, including walls as well as rich veins, 4" to 12" wide."

The possibilities evident by the new work may justify reconsideration of Government participation in an exploration program.

It is recommended that the application be referred to the Field Team for evaluation.

Attachment

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Jean Hilliquard, U.S.G.S.
F. B. Lamb
File

JOHN A. BARRY

Jan. 31, 1957 DUnkirk 8-6121

1320 ARAPAHOE, LOS ANGELES 6, CALIFORNIA

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 4 1957

| DATE | INITIALS | CODE |
|---|---|---|
| 2-4 | C | 220 |
| 2/5 | WSM | 400 |
| | | 225 |

Dock

RE: Docket No. DMEA 4489, Mercury
Red Wing Lode Mining Claims
Mineral County, Nevada

Dear Mr. Mittendorf:

This is to acknowledge notice of denial of application docketed as above.

The prompt expediting of consideration and decision in the matter is of advantage and appreciated.

Very truly yours

J. A. Barry
J. A. Barry
PILOT MINING COMPANY

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Washington 25, D.C.

No reply necessary

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 1/14 | Chapman | 400 |
| 1/14 | Martin | 400 |
| 1/16 | Selfridge | 130 |
| | Bracken | 110 |
| 1/17 | Matthews | 100 |
| 1-17 | CW | 220 |

JAN 17 1957

Pilot Mining Company
1320 Araphoe Street
Los Angeles 6, California

Re: Docket No. DMEA 4489 - Mercury
Red Wing Lode Mining claims
Mineral County, Nevada

Nelson
Lamb

Gentlemen:

Your above referenced application for aid for an exploration project and your earlier application (Docket DMEA 2808) and other data available to us in Washington concerning your property have been reviewed.

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

Careful study of all our information indicates to us that, although your recent work has also found mercury mineralization on this property, the showings are not impressive enough to change our previous conclusion that the probability of disclosing 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 again bringing this property to our attention.

Sincerely yours,

C. O. Mitchell (for)

Administrator

TLChapman:am 1-14-57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

R.C.G.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 1/14 | Chapman | 400 |
| 1/14 | Martin | 400 |
| | | 130 |
| | | 110 |
| 1/17 | McKenney | 100 |
| | | |

January 14, 1957

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $5,000.00
Docket No. DMEA 4489 - Mercury
Pilot Mining Company ( a limited partnership)
Redwing lode mining claims
Mineral County, Nevada

Denial of the subject application is recommended by the basis of the following information:

The Pilot Mining Company, the owner of the above mentioned property, made an application for exploration assistance on September 28, 1956. The property was examined on November 6, 1956, by H. W. Jones, Bureau of Mines and R. G. Reeves, Geological Survey and on the basis of this report the application was denied. In 1953 the Pilot Mining Company made an application for exploration assistance (Docket No. DMEA 2808), and the application was denied.

Applicant: The Pilot Mining Company (a limited partnership)
J. A. Barry, (sole general partner)
1320 Araphoe Street
Los Angeles 6, California

M. H. Nystrom, (sole limited partner)
1200 South Hoover Street
Los Angeles 6, California

Property: The property owned by the applicant consists of the Red Wing lode mining claims 1 to 7 inclusive, unpatented, located in sections 17 and 20, T. 6 N., R. 36 E., Mount Diablo Meridian, Mineral County, Nevada.

Geology: The rocks of the area consist of interbedded conglomerates and limestones which have been somewhat faulted. Small veinlets have been formed along the faulted zones. Cinnabar streaks are found in these veinlets, varying from a streak to 2 inches in width.

Workings: The workings consist of a number of bulldozer trenches, a 15 foot shaft, which was all done before the prior application. New work consists of an open cut and short adit.

Proposed Work: The proposed work consists of continuing the aforementioned adit a distance of 60 feet to come under the 15 foot shaft. This work would follow a cinnabar seam from a knife blade to ½ inch wide.

Past Production and Ore Tonnage:

There has been no recorded production from the property. The ore occurrences are so narrow it is not possible to estimate any ore tonnage of a minable grade.

Comments and Conclusions:

The Field Team concurs in the conclusions of the examining engineers in 1953, that there is little or no possibility of making a discovery of ore that would pay for the work required. The Commodity Divisions of the Geological Survey and the Bureau of Mines, concur in the conclusions of the Field Team.

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

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

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

January 14, 1957

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $5,000.00
Docket No. DMEA 4489 - Mercury
Pilot Mining Company ( a limited partnership)
Redwing lode mining claims
Mineral County, Nevada

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Workings: The workings consist of a number of bulldozer trenches, a 15 foot shaft, which was all done before the prior application. New work consists of an open cut and short adit.

Proposed Work: The proposed work consists of continuing the aforementioned adit a distance of 60 feet to come under the 15 foot shaft. This work would follow a cinnabar seam from a knife blade to $\frac{1}{2}$ inch wide.

Past Production and Ore Tonnage:

There has been no recorded production from the property. The ore occurrences are so narrow it is not possible to estimate any ore tonnage of a minable grade.

Comments and Conclusions:

The Field Team concurs in the conclusions of the examining engineers in 1953, that there is little or no possibility of making a discovery of ore that would pay for the work required. The Commodity Divisions of the Geological Survey and the Bureau of Mines, concur in the conclusions of the Field Team.

W S Martin

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

Docket

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 9 1957

| DATE | INITIALS | CODE |
|---|---|---|
| 1/11/57 | WSM | 400 |
| January 9, 1957 | | 400 |

Memorandum

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

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Field Team Report, Docket No. DMEA 4489 (mercury), Pilot Mining Company, Redwing Lode Claims, Mineral County, Nevada

A previous Report of Examination (DMEA 2808) prepared by E. H. Pampeyan, May 29, 1953, recommended that DMEA assistance be denied as sufficient ore reserves could not be inferred and the probability of making a discovery was thought to be small. The applicant submitted a new application based upon additional work completed and a revised exploration program.

Reexamination of the property revealed that the additional work consisted of a 23 foot open cut and drift-adit in which a veinlet of cinnabar, varying from 0 to $\frac{1}{2}$ inch in width, was exposed. Two samples from the new cut showed 4 inches of 34.1 lbs. Hg/ton and one foot of 1.8 lbs. Hg/ton. One sample from the shaft assayed 1.8 lbs. Hg/ton.

As the applicant proposed to continue the new drift adit to terminate under the shaft, the examiners' findings showed no geologic evidence that the small veinlet would increase in size or that ore of commercial value could be inferred.

I, therefore, agree with the Field Team's recommendation that the application be denied.

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

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

OFFICIAL FILE COPY
IN REPLY REFER TO:
DMEA
RECEIVED JAN 7 1957

| DATE | INITIALS | CODE |
|---|---|---|
| 1/7/57 | WSM | 400 |

January 4, 1957
Re: DMEA 4489
Pilot Mining Company
Redwing Lode Claims
Mineral County, Nevada
$5,000.00 - 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 doing a small amount of work on a property that had been the subject of an application in 1953 (DMEA 2808). The 1953 application was denied because, in the opinion of the examiners, it was unlikely enough ore would be found to justify the work.

Work has been done since, but the outlook has not been changed for the better, and the examiners and the Field Team again recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

Copy retained 400

Docket

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

1605 Evans Avenue
Reno, Nevada

December 27, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4489 (Mercury)
Pilot Mining Company
Redwing Lode Claims
Mineral County, Nevada

ON-SITE EXAM

Reference is made to your letter of October 19, 1956, requesting a field investigation of the subject property.

Attached are four copies of a report by H. W. Jones, Bureau of Mines, and R. G. Reeves, Geological Survey, in which it is concluded that an exploration project is not warranted because there is no geologic reason to expect an increase in the size of the veinlet under the shaft and that ore of commercial grade cannot be inferred.

Roscoe Smith and I concur that the proposal does not qualify for DMEA assistance and recommend that the application be denied.

/for/ S. Ricker

Attachs.

Reviewed by
DMEA OPERATING COMMITTEE
1/4/57
(date)

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-4489 (Mercury)
Pilot Mining Company
Redwing lode claims
Mineral County, Nevada

by

H. W. Jones
U. S. Bureau of Mines

R. G. Reeves
U. S. Geological Survey

December 5, 1956

RECEIVED
DEC 31 1956
DMEA

Reviewed by
DMEA OPERATING COMMITTEE
1/4/57

The Pilot Mining Company, 1320 Arapahoe Street, Los Angeles 6, California, a limited partnership of Mr. J. A. Barry and M. H. Nystrom, applied to the Defense Minerals Exploration Administration, on September 28, 1956, docket DMEA-4489, for assistance in exploring the Redwing lode claims in Mineral County, Nevada. The claims were examined on November 6, 1956, accompanied by Messrs. Fred and Logan Gilbert, Luning, Nevada, representing the applicant.

The prospect was the subject of a previous DMEA application, docket DMEA-2808, dated May 7, 1953[1/]. At that time it was

---

1/ Pampeyan, E. H., May 29, 1953, Report of Examination by Field Team, DMEA-2808, Redwing mercury mine, Pilot Mining Company, Mineral County, Nevada.

---

recommended that DMEA assistance be denied, as sufficient ore reserves could not be inferred, and the probability of making a discovery was thought to be extremely small.

A 23-foot open cut and drift adit was dug since the last examination (fig.: Sketch map, Redwing property). In this new cut, the cinnabar occurs as a knife edge to 1/2 inch veinlet. It

is along the southeastern extension of a northwest-trending, 70° SW dipping fault that cuts conglomerate. This fault is exposed for about 200 feet along the strike and for 30 feet down the dip and contains the cinnabar veinlet wherever exposed.

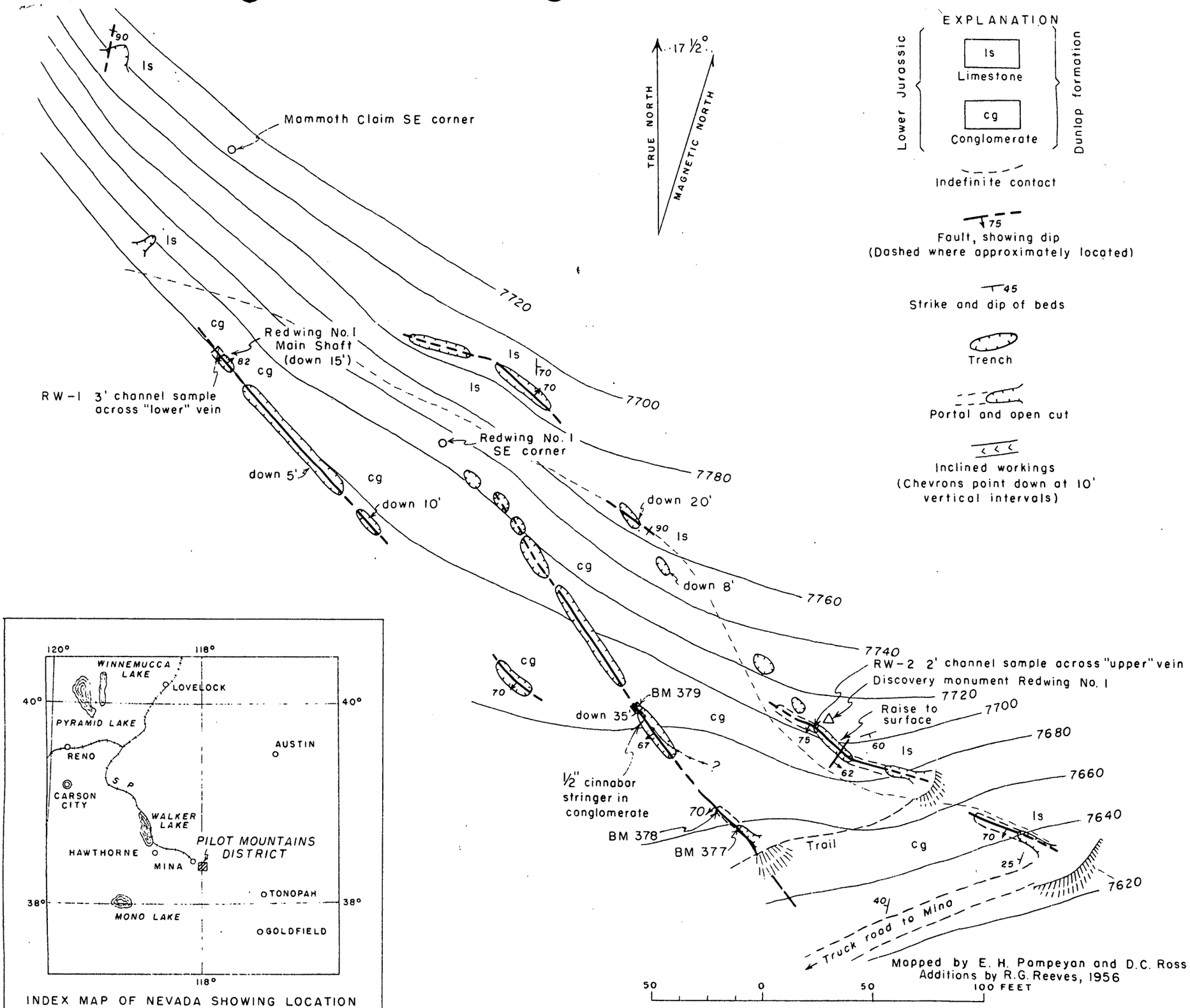
Two samples from the new cut, and one from the shaft on the fault, assay as follows:

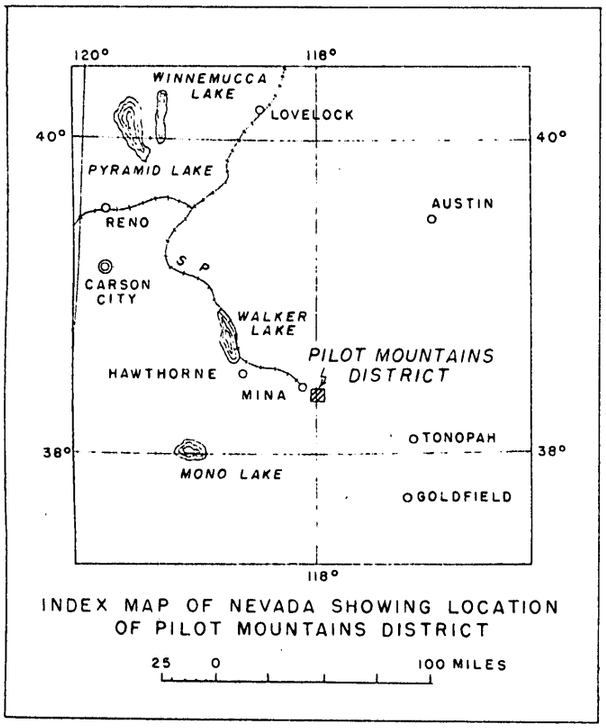
| Sample No. | Description | Lbs. Hg/ton |
|---|---|---|
| 377 | New cut, across 4 inches. | 34.1 |
| 378 | New cut, across 1 foot. | 1.8 |
| 379 | Shaft, across 1 foot. | 1.8 |

The applicant proposed to continue the new drift-adit 60 feet, to terminate under the shaft. There is no geologic reason to expect an increase of the size of the veinlet under the shaft; indeed, the small size of the veinlet in the bottom of the shaft and in the new adit supports Pampeyan's conclusion that the cost of exploration would equal or exceed the value of the ore. It is recommended therefore that this application be denied.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 2808
(MERCURY)
DMEA 4489




INDEX MAP OF NEVADA SHOWING LOCATION OF PILOT MOUNTAINS DISTRICT

SKETCH MAP OF THE MAIN WORKINGS OF THE REDWING PROPERTY
PILOT MOUNTAINS DISTRICT, MINERAL COUNTY, NEVADA

*Datum approximately sea level*

Docket

JOHN A. BARRY

1320 ARAPAHOE, LOS ANGELES 6, CALIFORNIA

Oct. 23, 195[illegible] DU 8-6121

RECEIVED
OCT 29 1956

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA 4489
- Mercury
Redwing Mercury Mine
Mineral County, Nevada

Dear Mr. Mittendorf:

WSM

May I express special appreciation of early consideration of our above-docketed application and its reference to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, Reno, Nevada.

We shall, of course, cooperate fully in any way to facilitate further consideration.

Sincerely yours,

J. A. Barry

J. A. Barry
PILOT MINING COMPANY

No reply necessary

DOCKET
SURNAME

400 McMahon
Martin
Selfridge

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

Re: Docket No. DMEA 4489 - Mercury
Pilot Mining Company
Redwing Mercury Mine
Mineral County, Nevada

Dear Mr. Richer:

The above-docketed application for exploration assistance is being referred to your office for a field examination, or for a review in case you already have sufficient information on the property.

Copies of memoranda dated October 11, 1956, by N. E. Nelson, Geological Survey, and J. W. Pennington, Bureau of Mines, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb

Member, Bureau of Mines (FDL)

N. E. Nelson

Member, Geological Survey (NEN)

ADMcMahon/foc 10/17/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

Enclosures

R.C.S.

DOCKET
SURNAME
McMahon
Mountain
Nelson
Lamb
Selfridge

400

OCT 18 1956

Mr. J. A. Berry
Pilot Mining Company
1320 Arapahoe Street
Los Angeles 6, California

Re: Docket No. DMEA 4489 - Mercury
Redwing Mercury Mine
Mineral County, Nevada

Dear Mr. Berry:

The above-docketed application for exploration assistance for mercury ore has been reviewed by the Washington office of the Defense Minerals Exploration Administration and is being referred to Mr. Spangler Richer, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for review and a possible examination of the property.

If a field examination is considered necessary, the Field Team will get in touch with you.

Sincerely yours,

C. O. Mittendorf

Administrator

ADMcMahon/foc
10/17/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

P.G.

IN REPLY REFER TO:

Docket

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

October 11, 1956

Re: DMEA 4489
Pilot Mining Co. (J. A. Barry)
Redwing Mine
Mineral Co., Nevada
$5,000 - Mercury

Memorandum

WSM

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

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

Subject: Review of application

The applicant again requests assistance in exploring a zone containing narrow veins of cinnabar by crosscutting and drifting a total of 160 feet.

The property was the subject of DMEA application 2808, submitted in 1953. The application was denied as in the opinion of the geologist examiner, "...it was unlikely that the value of ore discovered would equal the cost of the exploration work". At that time the estimated cost of the proposed work was $10,065.

Work has been done in the shaft, an open cut and an adit since the 1953 application was submitted. Three assay certificates, dated 1954, and a cross section showing the shaft, open pit and adit accompany the application. Ore is shown as occurring at the bottom of the shaft extension, at one place in the large open cut and near the face of the adit. Samples taken from shaft and open pit assayed 6.55%, 0.72% and 0.94% Hg. Just what they represent is not stated. The occurrence in the adit is called a 'streak', but no width is attached and it was not sampled.

Samples taken by the examiners in 1953 showed:

| | | Pounds Hg/Ton |
|---|---|---|
| RW-1 | 3' channel sample across shear in main shaft-shear 1' wide. | 0.4 |
| RW-2 | 2' channel sample across shear in stope and adit-shear 1' wide | 0.3 |

From the data available it is not possible to compare the showings of 1953 with those mentioned in the present application. Perhaps the outlook has improved.

The Field Team probably is in a position to judge and get opinions as to the import of the so-called new discoveries.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

Docket

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

October 11, 1956

W509

Memorandum

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

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4489 (mercury), Pilot Mining Co., Redwing Mercury Mine, Pilot Mountains Mining District, Mineral County, Nevada. $5000.00

A prior application (Docket No. DMEA 2808) to explore for mercury mineralization on the Redwing mercury mine by shaft sinking and drifting at a total estimated cost of $10,065.00 was denied on March 19, 1953.

Since then the applicant has performed some underground and surface exploration. He reports that material from the lower 6 feet of the shaft assays 6.55 percent mercury, material from the open pit assays 0.72 and 0.94 percent mercury, and that a nearly pure cinnabar streak is exposed on the face of the new trench tunnel.

Now, the applicant proposes to explore the property by extending the new tunnel 60 feet and doing 100 feet of underground working in favorable areas at an estimated total cost of $5000.00.

Perhaps the exploration completed by the applicant has revealed sufficient additional information to justify Government participation in an exploration program.

It is recommended that the application be referred to the Field Team for evaluation.

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 4490

JOHN A. BARRY

Oct. 9, 1956 DUnkirk 8-6121

1320 ARAPAHOE, LOS ANGELES 6, CALIFORNIA

Docket

RECEIVED

OCT 15 1956

Mr. Allen S. Dakan, Chief
Operations Control and
Statistics Division,
Defense Minerals Exploration
Administration
Washington 25, D.C.

WSM

Dear Mr. Dakan

This is to acknowledge assignment of Docket Number DMEA-4489 to our application for exploration assistance, dated September 28, 1956, together with its reference to the Iron and Ferro-Alloys Division in the Washington office.

Acknowledged, with thanks.

Sincerely yours

J. A. Barry

J. A. Barry

PILOT MINING COMPANY

No reply necessary

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

October 5, 1956

Mr. J. A. Barry
1320 Arapahoe St.
Los Angeles 6, California

Subject: DMEA-4489
Re: Exploration Assistance
Redwing Mercury Mine

Dear Mr. Barry

Your application for exploration assistance, dated September 28, 1956 submitted to our office at Reno, has been assigned Docket Number DMEA-4489 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:

Region II. Reno, Nevada.

Code 400

3571

APPLICATION PILOT MINING CO. (J. A. BARRY) Re: Item 2

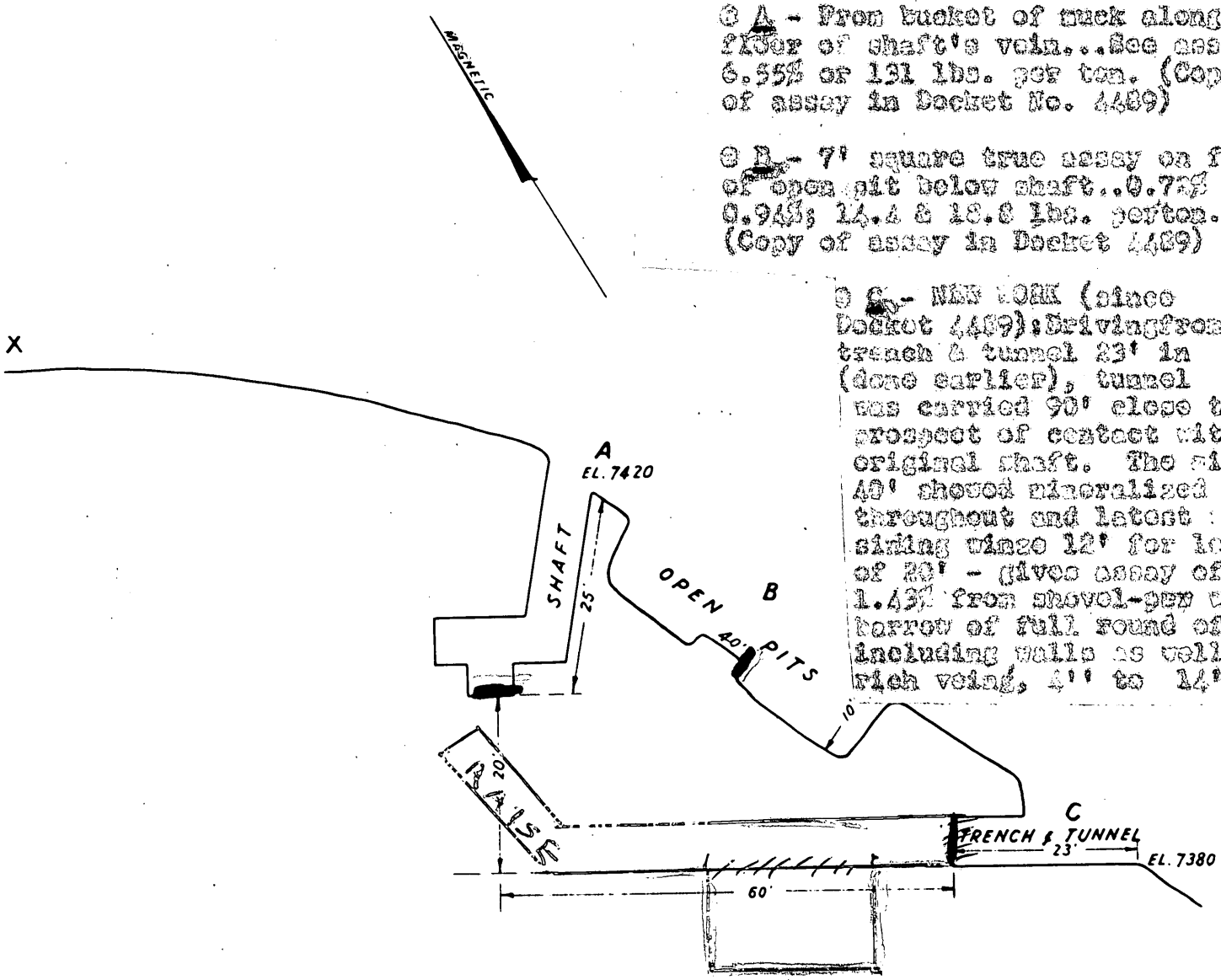
Earlier sub-leasing high graders, before the present ownership, had sunk the shaft 15' with rich ore but tight walls. The remainder of the work indicated in this sketch was done by present owners, including sinking the shaft to a depth of 25'. Open pit work, downhill from the shaft, exposed small zones of mineralization. The latest exploration, driving a 90' tunnel below and towards the shaft, is detailed below.

Red pencil marks Cinnabar Ore opened up:

@ A - From bucket of muck along floor of shaft's vein...See assay, 6.55% or 131 lbs. per ton. (Copy of assay in Docket No. 4489)

@ B - 7' square true assay on face of open pit below shaft..0.72% - 0.94%; 14.4 & 18.8 lbs. perton. (Copy of assay in Docket 4489)

@ C - NEW WORK (since Docket 4489): Driving from trench & tunnel 23' in (done earlier), tunnel was carried 90' close to prospect of contact with original shaft. The middle 40' showed mineralized zones throughout and latest work - sinking winze 12' for length of 20' - gives assay of 1.43% from shovel-per wheelbarrow of full round of muck, including walls as well as rich veins, 4" to 14" wide




RED WING MERCURY MINE
PILOT MOUNTAIN MINING DISTRICT
MINERAL COUNTY, NEV.
OWNERS: PILOT MINING CO.

To be redrawn as Fig. 3 of attached, showing new prospect work

EXTRA COPY
DMEA
RECEIVED JUL 14 1958

| DATE | [illegible] | CODE |
| --- | --- | --- |
| | | |
| | | |
| | | |
| | | |
| | | |

Addendum Sheet No. 6. Application MF-103. Sept. 28, 1956.

SKETCH AAA -- REQUESTED EXPLORATION WORK

RECEIVED
OCT - 4 1956

Dotted blue parallel lines indicate 60 lin., ft. of requested tunnel extension ($4\frac{1}{2}$' x 6' in the clear) from point of present tunnel westerly from Point C on sketch hereunder. Additional 100 ft. of program's underground workings to pursue favorable development work.

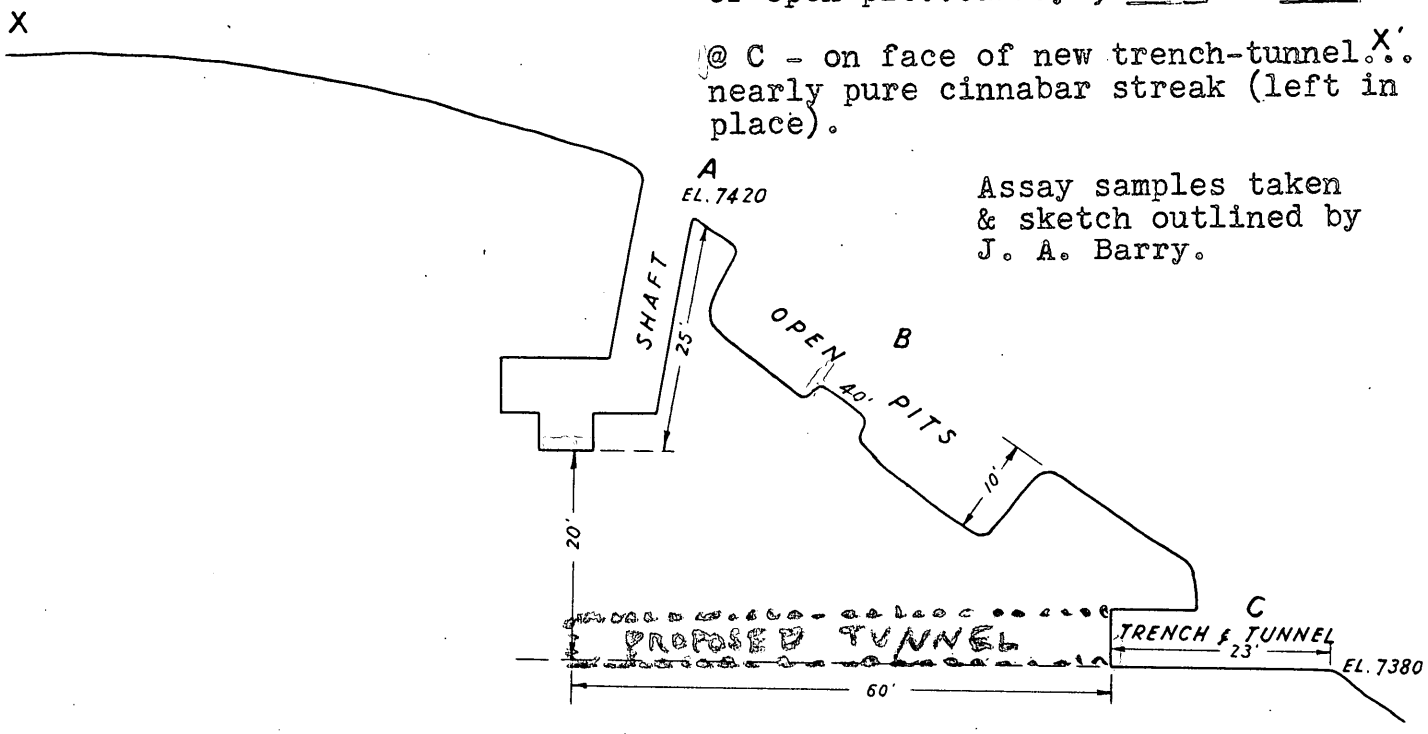
DEVELOPMENT WORK BY OWNERS, 1954-1956, indicated on sketch by "A", "B" & "C".

Red pencil marks Cinnabar Ore opened up:
@ A - in sinking lower 6' of shaft, from bucket of muck following vein along floor...See assay seq., 6.55%.

@ B - 7 ft. square samples from face of open pit...assays, 0.72% & 0.94%.

@ C - on face of new trench-tunnel... nearly pure cinnabar streak (left in place).

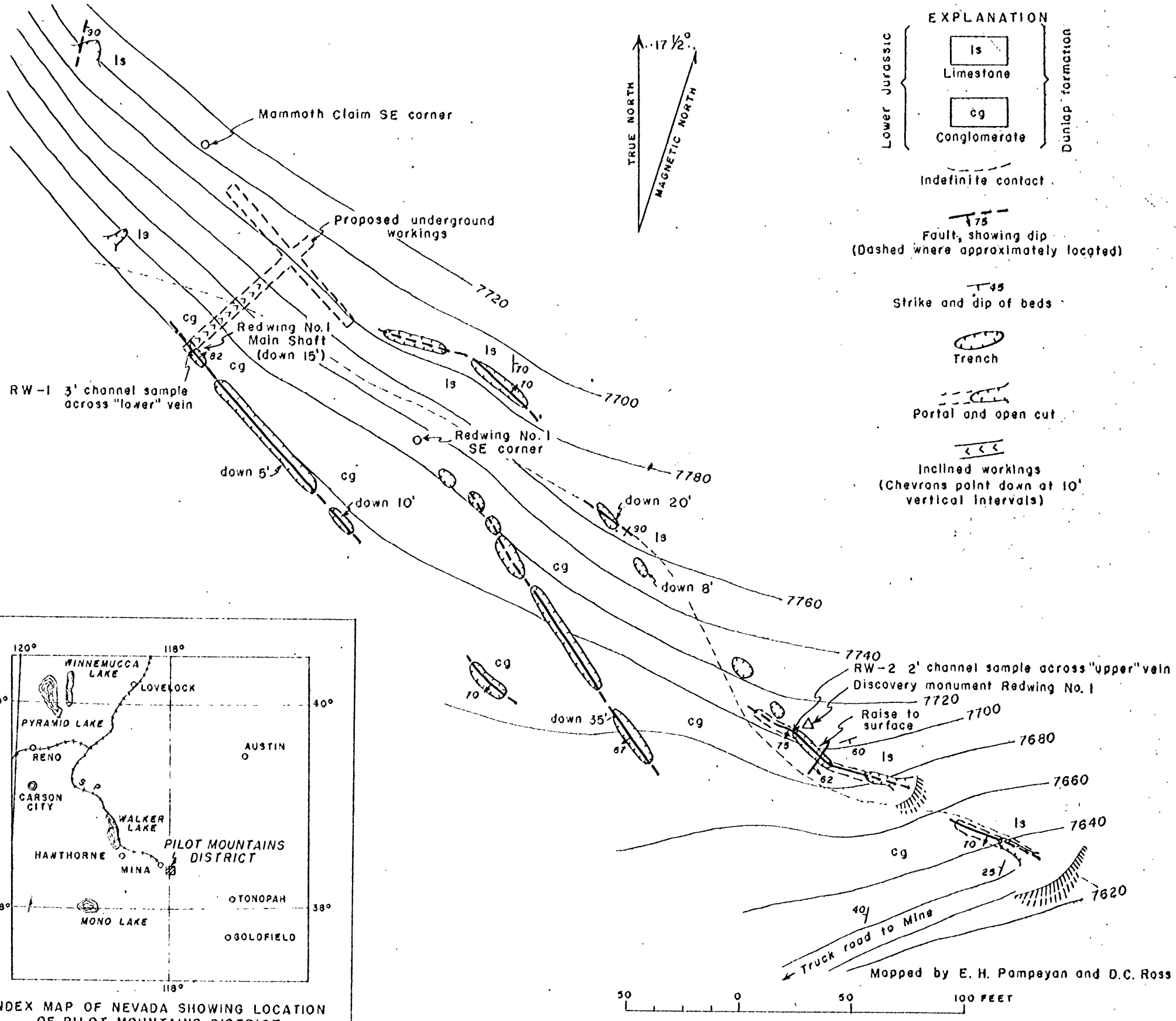
Assay samples taken & sketch outlined by J. A. Barry.



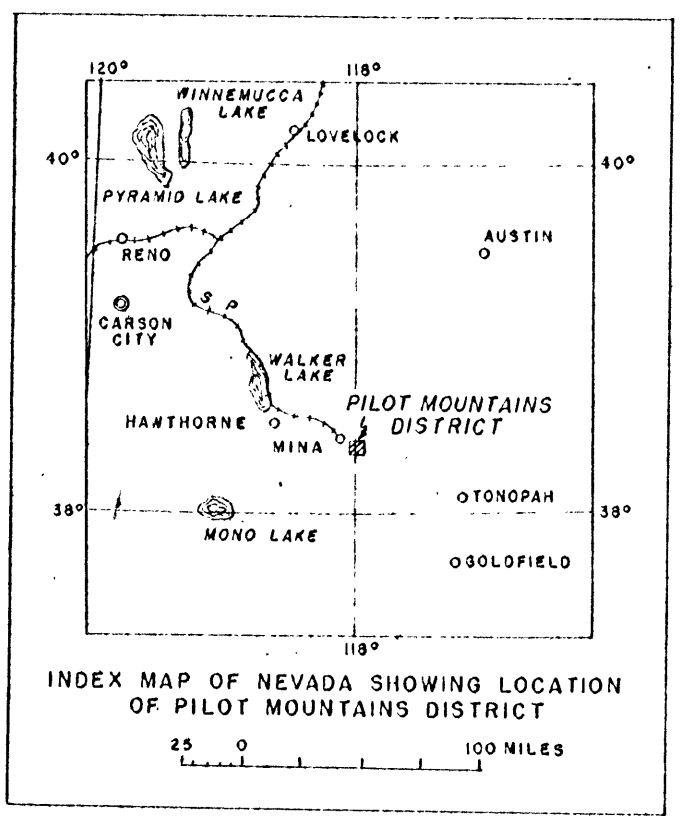

RED WING MERCURY MINE
PILOT MOUNTAIN MINING DISTRICT
MINERAL COUNTY, NEV.
OWNERS: PILOT MINING CO.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OMEA 2808
(MERCURY)




SKETCH MAP OF THE MAIN WORKINGS OF THE REDWING PROPERTY
PILOT MOUNTAINS DISTRICT, MINERAL COUNTY, NEVADA
*Datum approximately sea level*




INDEX MAP OF NEVADA SHOWING LOCATION OF PILOT MOUNTAINS DISTRICT

Addendum Sheet No. 5. Application MF-103. Sept. 28, 1956. Claims Map.
Claim No. 1 shaft marked
in red pencil.

REDWING GROUP MERCURY CLAIMS.
MINERAL COUNTY. NEVADA.

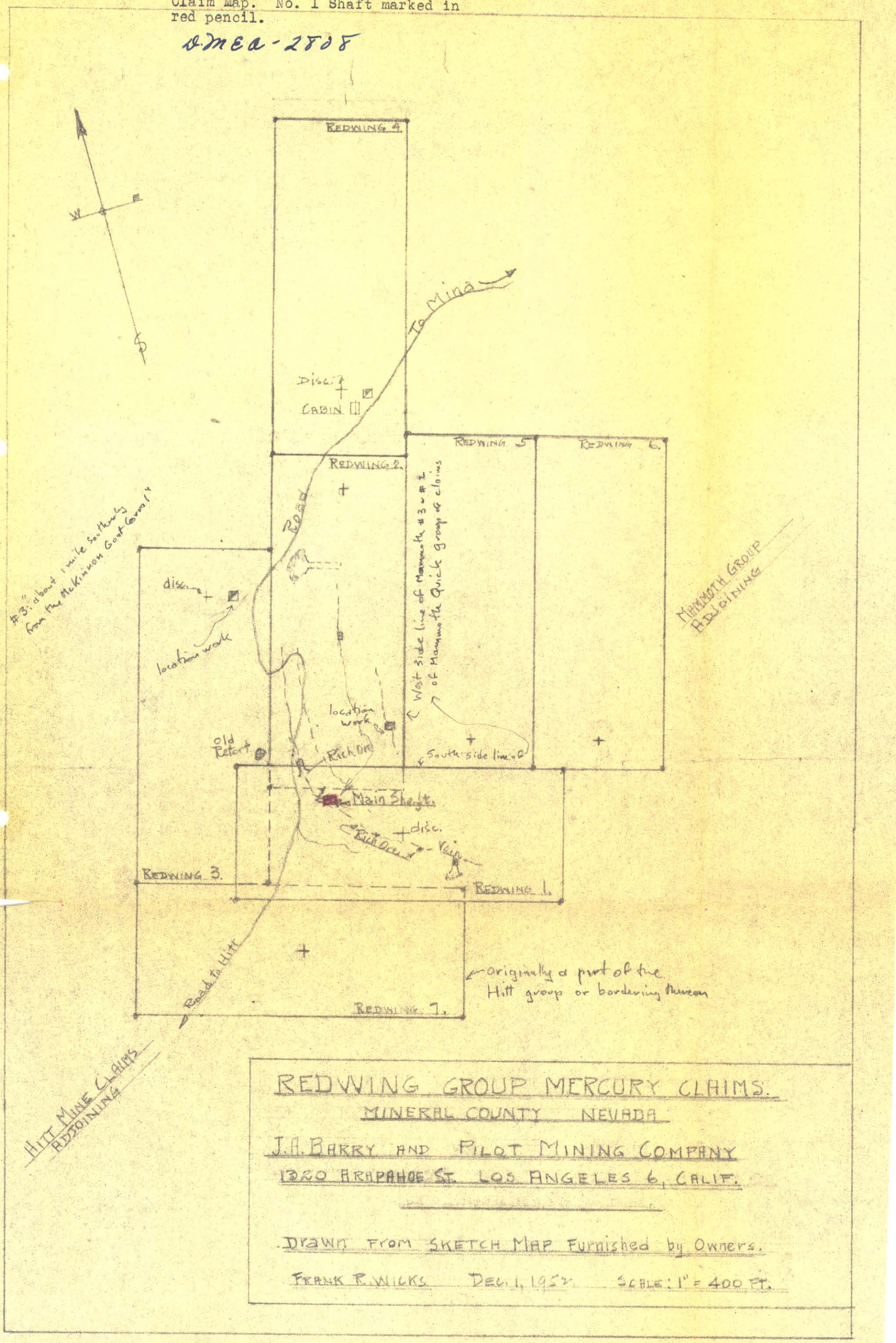
J. H. BARRY AND PILOT MINING COMPANY
1350 ARAPAHOE ST. LOS ANGELES 6, CALIF.

Drawn from SKETCH MAP Furnished by Owners.

FRANK E. WICKS — DEC. 1, 1956 — SCALE: 1" = 400 FT.

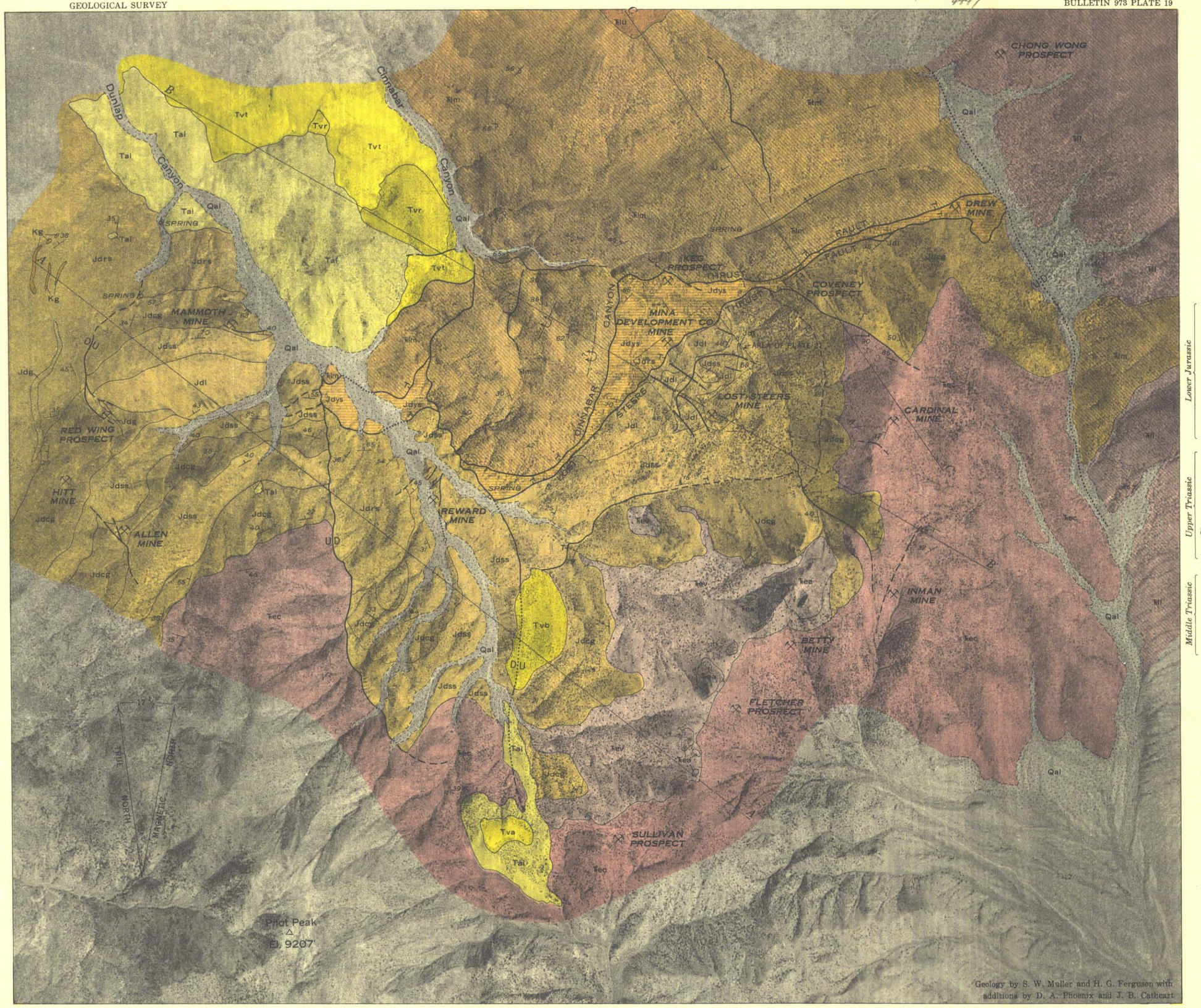
Addendum No. 8. Application MF-103. Dec. 8, 1952.
Claim Map. No. 1 Shaft marked in red pencil.

DMEA-2808



Return to W.S. Martin, Room 4447






Geology by S. W. Muller and H. G. Ferguson with additions by D. A. Phoenix and J. B. Cathcart

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.

## EXPLANATION

**QUATERNARY**

**Qal** — Valley-fill and slope-wash deposits

**TERTIARY**

**Tv** — Interbedded volcanic rocks
*Rhyolite*, Tvr; *basalt*, Tvb; *andesite flows*, Tva; *tuff*, Tvt

**Tai** — Hornblende andesite

**CRETACEOUS (?)**

**Kg** — Gabbro
*Intrusive into the Dunlap formation*

**JURASSIC**

*Lower Jurassic*

**Jdys** — Dunlap (?) formation
*Yellow limy shale*

**Jd** — Dunlap formation
*Limestone*, Jdl; *sandstone*, Jdss; *red shale*, Jdrs; *conglomerate*, Jdcg; *and local greenstone flows*, Jdg

**TRIASSIC**

*Upper Triassic*

**TRlu / TRlm / TRll** — Luning formation
*Upper member, massive limestone*, TRlu; *middle member, shale and conglomerate*, TRlm; *lower member, thin-bedded limestone with some shale and sandstone*, TRll

*Middle Triassic*

**TRea / TRev / TRec** — Excelsior formation
*Hornblende andesite*, TRea; *altered hornblende andesite*, TRev; *chert, quartzite, and slate*, TRec

Contact
*Dashed where approximately located; dotted where concealed*

U/D Fault
*Dashed where approximately located; dotted where concealed.* U, *upthrown side;* D, *downthrown side*

Thrust fault
*Dashed where approximately located; dotted where concealed*

Overturned anticline

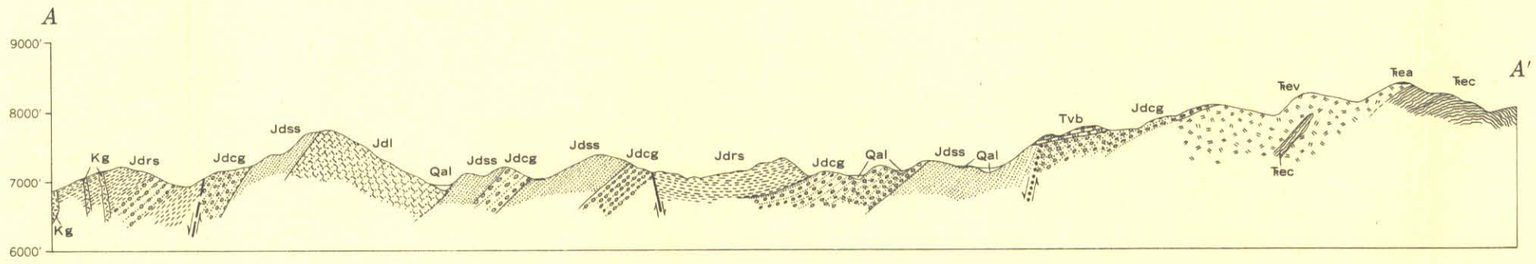
40 Strike and dip of beds

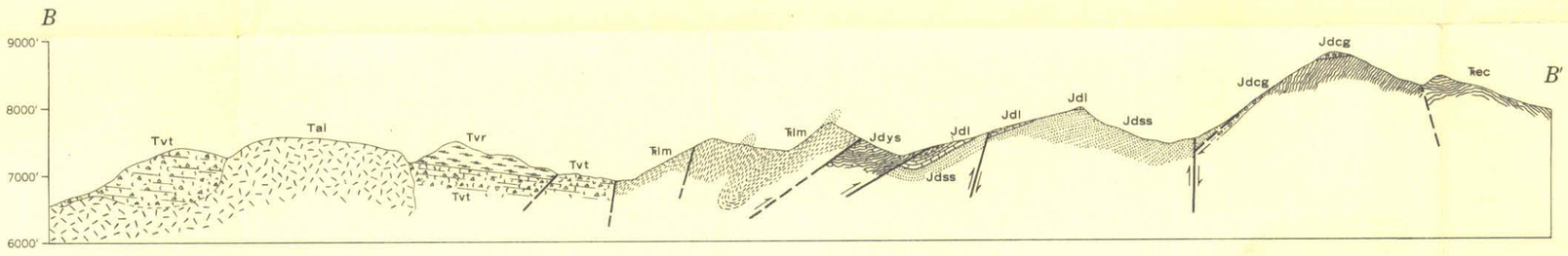
70 Strike and dip of overturned beds

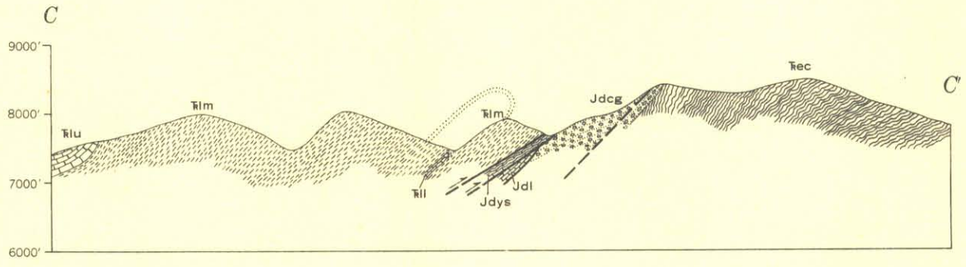
90 Strike of vertical beds

Mine or prospect

Mineral monument




# GEOLOGIC MAP AND SECTIONS OF THE PILOT MOUNTAINS QUICKSILVER DISTRICT, MINERAL COUNTY, NEVADA

1000 0 5000 Feet
*Datum is mean sea level*

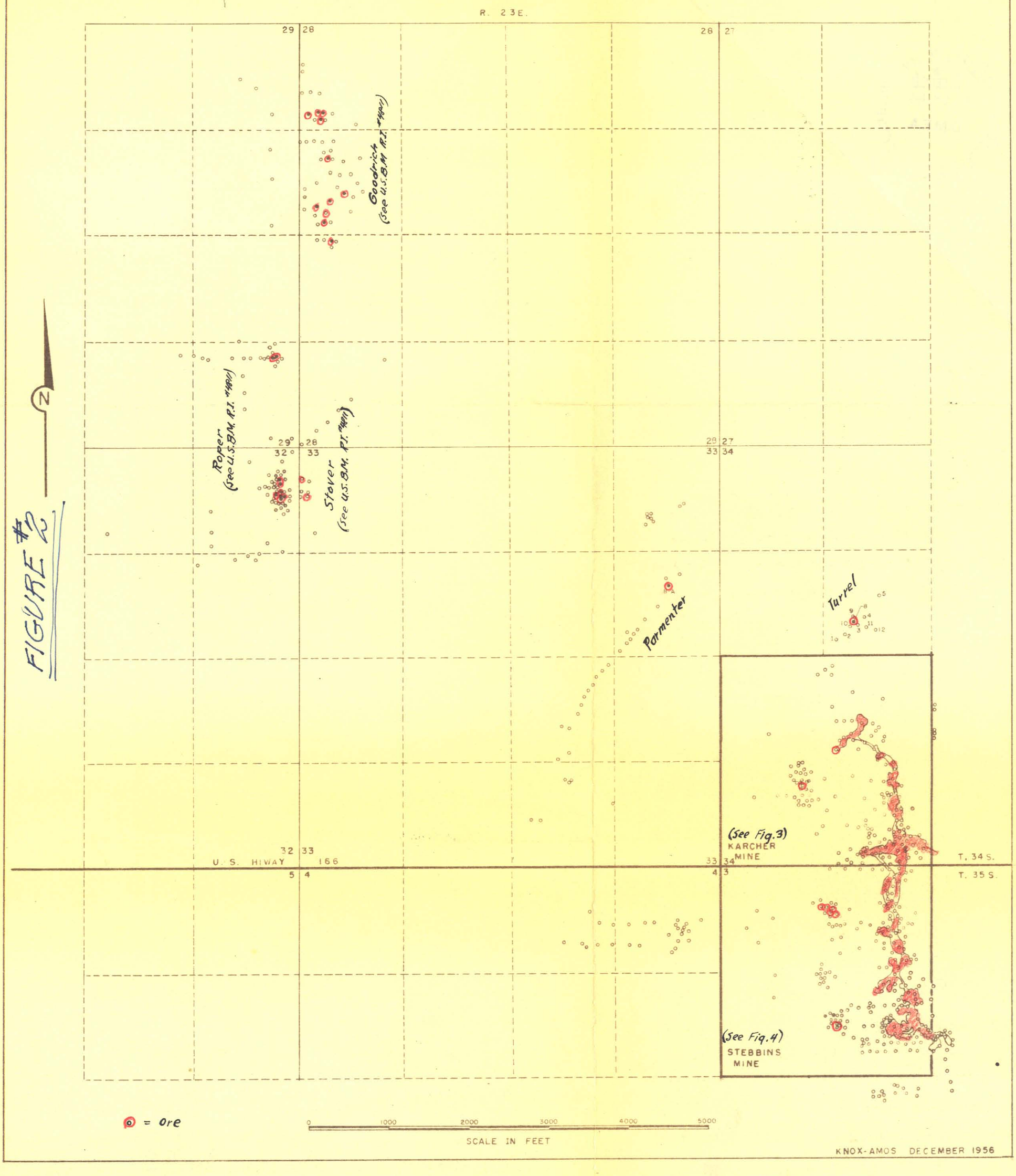



FIGURE #2

FIGURE 2 - NORTHWEST BENDELARI TROUGH EXPLORATIONS - PICHER ZINC-LEAD MINING DISTRICT