DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 3712

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MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

MAR 8 - 1955

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. 3712
Metal or Mineral Chromium
Date Received FEB 25 1955 3-8-55
Estimated Cost No amount shown
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: James L. Perry and H. D. Miller, Partnership of the State of Oregon
P. O. Box 32
Cave Junction, Oregon

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
Five (5) Azalea Claims in Sections 28 and 29, Township 18 North, Range 2 East of the Humbolt Meridian, Del Norte County, California
Recorded Del Norte County Mining Locations Vol 18 Page 476 and 477- Vol.19 Pages 97,79 &90

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

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

(*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.

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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. Sketch attached

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. New road into claims and 50 miles to Grants Pass Chrome Depot.

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Chrome

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

(*c*) The work will start within 10 days and be completed within 6 months from the date of an exploration project contract. Weather permitting.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [X] 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 February 17, 1955

James L. Perry and H. D. Miller, Partners
(Applicant)

By X H. D Miller

James L. Perry

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

Accompaning Form MF 103

5 (d) James L. Perry has mined for 3 years. 2 years on leased ground.
H. D. Miller has prospected for years and mined on the High Plateau during World War II. This is same area of present claims.

6 (a) None
(b) Driller and helper wages @ $40.00 per day.
(c) Tank truck for water for drilling will be owner furnished.
(d) If possible drill and power will be rented and operated by owners. Estimated rental cost $12.00 per day with 30 to 60 days needed. If drill can not be rented it will be necessary to purchase at estimated cost of $2,500. to $3000.
(e) None
(f) Construction of 2 cabins (12' X 16') estimated @ $400.00 each.

7. (a) Yes.

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Defense Minerals Administration
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Bureau Clearing Administrator
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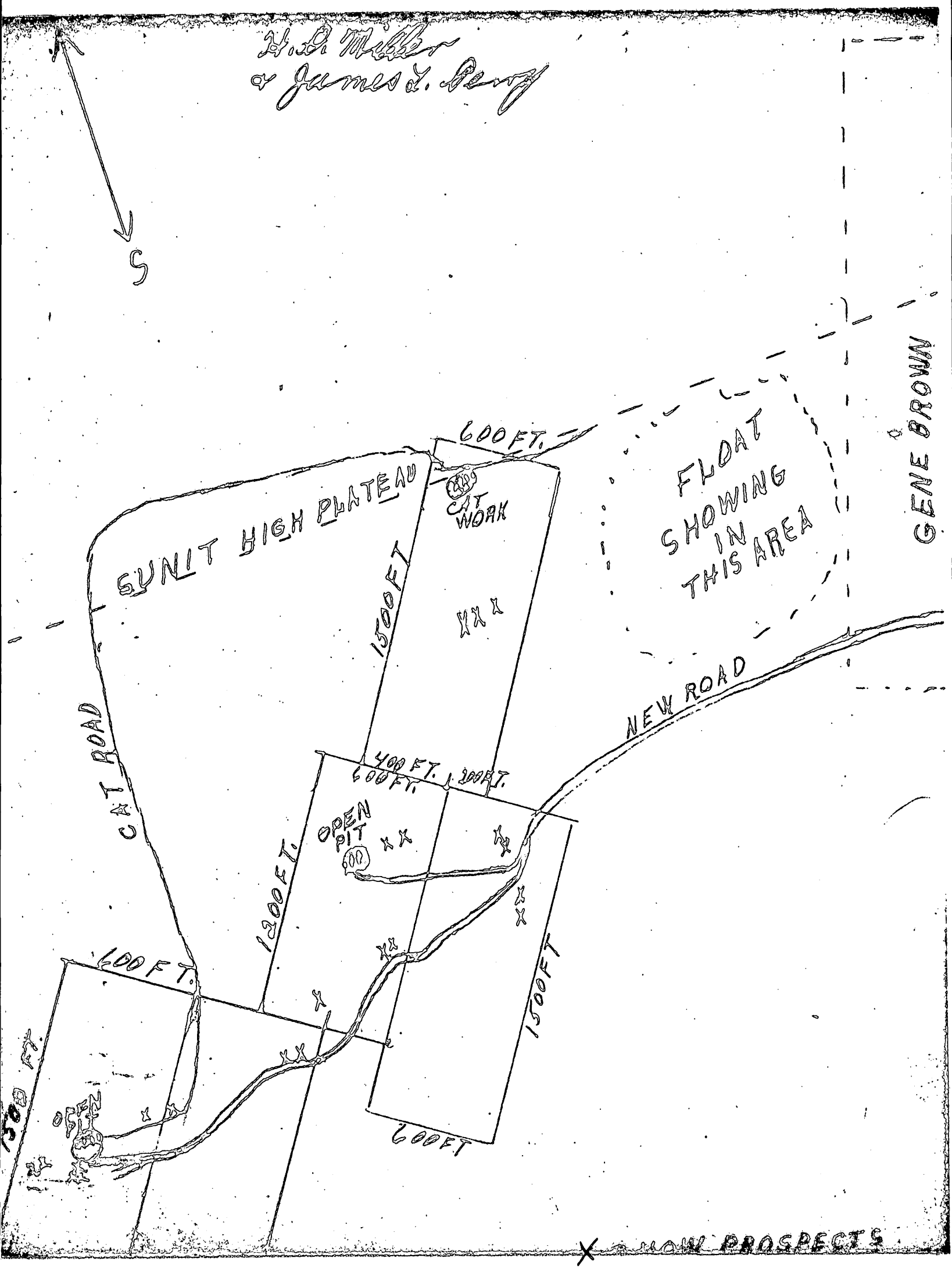
W. D. Miller
& James D. Berry
S
600 FT.
SUNIT HIGH PLATEAU
CAT WORK
1500 FT
FLOAT SHOWING IN THIS AREA
GENE BROWN
NEW ROAD
CAT ROAD
400 FT.
600 FT.
200 FT.
OPEN PIT
1200 FT.
100 FT.
1500 FT
600 FT
1500 FT.
OPEN PIT
X = SHOW PROSPECTS

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Defense Minerals Administration
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MAR 8 - 1955

400

JUN 2 8 1955

Messrs. James L. Perry and
H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Re: Docket No. DMEA 3712 - Chromium
Azalea claims
Del Norte County, California

Gentlemen:

Your application for aid for an exploration project and other information available to us in Washington relating to the above-noted property, have been carefully reviewed.

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

Careful study of all our information, although noting scattered showings of chromium mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, therefore, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Code 400
Oper. Committee
Adm. Read. File
Thor Kiilsgaard, USGS
Charles Katlin, USBM
FT, Region 2-Reno

TLChapman/ls 6/24/55

June 23, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $6,900.00
Docket No. DMEA 3712, Chromium
James L. Perry and H. D. Miller
Azalea claims
Del Norte County, California

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

The applicants, James L. Perry and H. D. Miller, P. O. Box 532, Cave Junction, Oregon, requested exploration assistance in the amount of $6,900.00 for 1,700 feet of diamond drilling and establishment of a camp.

The five unpatented Azalea claims in Sections 28 and 29, T. 18. N., R. 2 E., are recorded in Del Norte County mining locations, Volume 18, pages 476 and 477, and Volume 19, pages 37, 79, and 80. The claims were located by the applicants.

The rock exposures are chiefly peridotite and small patches of dunite. These are near the center of a 10-mile wide north-trending belt of ultra-basic rocks. The chromite occurs as irregular pods and lenses which are relatively small and are not confined to a single stratigraphic horizon.

The Azalea claims were located by the applicants in 1954. Most of the prospecting on the property has been done with a bulldozer. On the Azalea No. 1 claim a trench 200 feet long and 100 feet wide has been excavated and on the Azalea No. 3 claim a trench 100 feet long by 50 feet wide has been excavated. There are a number of small pits on the property. About 25 tons of chromium ore, which will assay 50 percent Cr_2O_3, have been stockpiled. No shipments have been made from the property.

A grab sample of the 25-ton stockpile assayed 51.85 percent Cr_2O_3 and a grab from a 1-ton lot on the Azalea No. 3 claim assayed 40.75 percent Cr_2O_3.

The property shows little possibility of making a significant ore discovery, the Field Team recommends denial of the application, and the Commodity Division of the Geological Survey and the Bureau of Mines concur in the recommendation.

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

cc: Docket
Adm. Read. File
Operating Committee
Code 400

TLChapman/ls

400

IN REPLY REFER TO:

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

RECEIVED
JUN 20 1955

June 17, 1955

Re: DMEA-3712
Perry & Miller
Azalea Claims
Del Norte Co., Calif.
$6,900 - Chromium

Memorandum

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

From: R. D. Trace, U. S. Geological Survey

Subject: Review of Field Team report

The Field Team recommends, and I concur, that the subject application be denied.

The denial is based upon (1) no definite target to explore by drilling and (2) the small size of known or potential chrome deposits.

R. D. Trace

RDTrace:hlm
G-6/17/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Charles Katlin, 3515 Interior

400

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

RECEIVED
JUN 13 1955

1605 Evans Avenue
Reno, Nevada

June 10, 1955

Memorandum

W/M

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3712 - (Chromium)
James L. Perry and H. D. Miller
Azalea Claims
Del Norte County, California

Pursuant to your letter of April 11, 1955, the above subject application has been reviewed and a field examination made.

Attached are four copies of report on the property by J. D. Warne, Bureau of Mines and H. K. Stager, Geological Survey in which it is recommended that the application for exploration aid be denied.

Roscoe Smith and I concur in the recommendation.

S. Ricker

Attach.
SRicker:gh
cc: R. M. Smith
File

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JUN 13 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-3712 - (Chromium)
James L. Perry and H. D. Miller
Azalea Mine
Del Norte County, California

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

H. K. Stager
Geologist
U. S. Geological Survey

June 8, 1955

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ILLUSTRATIONS

Figure 1 Location map

Figure 2 Sketch map of the Azalea Claims, Del Norte County, California

RECEIVED
1955

Docket No.: DMEA-3712 - (Chromium)

Name and address of applicant: James L. Perry and H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Name and location of property: Azalea Claims
Secs 28 and 29, T. 18 N., R. 2 E.,
Humboldt B&M
Del Norte County, California

INTRODUCTION

Mr. James L. Perry and Mr. H. D. Miller, P. O. Box 32, Cave Junction, Oregon applied for Government assistance for $6,900 program under the Defense Minerals Exploration Administration, docket number 3712, to explore for chromium on the Azalea group of claims, Del Norte County, California. The proposed exploration would consist of about 1,700 feet of diamond drilling.

A field examination was requested by the Operating Committee, and was made by J. D. Warne of the Bureau of Mines and H. K. Stager of the Geological Survey on April 12, 1955, accompanied by Mr. H. D. Miller, one of the applicants.

The open pits and surface exposures were inspected and compared with the applicants' map. Two samples were taken by the examiners to check the grade and chrome/iron ratio of the ore.

CONCLUSIONS AND RECOMMENDATIONS

The chromite at the Azalea mine consists of erratically spaced lenses and pods of chromite in peridotite. Although the area has some merit for small production, there is no definite target or structure on which to plan an exploration program.

In addition, the type of deposit and inferred ore reserves would indicate that there is little probability of discovering sufficient ore to justify the expense of exploration by the Government. Our experience in drilling for chromite lenses without fairly well defined structural features or to where they may occur has been unsatisfactory.

It is recommended that Government assistance under the DMEA program be denied.

LOCATION, ACCESSIBILITY, LOCAL RESOURCES

The Azalea claims are located in the High Plateau chrome area in sections 28 and 29, T. 18 N., R. 2 E., Humboldt B&M, about 17 miles northeast of Crescent City, Del Norte County, Calif. (Fig. 1)

They are accessible by automobile by a fairly steep and poorly maintained dirt road which leads 10 miles southwest from U.S. Highway No. 199 at O'Brien, Oregon to a junction with a road leading northward at the California-Oregon state line; from this junction, the road meanders westward along the state boundary for several miles, then trends southwestward into the High Plateau mountain area in California, a distance of 19.3 miles to the property. The total distance from O'Brien, Oregon to the Azalea mine claims is 29.3 miles.

Mine supplies are obtainable from Grants Pass, Oregon, 50 miles distant. Experienced mine labor is scarce. Water must be hauled about two miles from the North Fork of the Smith River. Suitable mine timber can be obtained within a few miles from the mine. No electric power is available within the area.

HISTORY AND PRODUCTION

The group of five Azalea claims were located in 1954 by James L. Perry and H. D. Miller of Cave Junction, Ore. After locating the claims, the operators constructed a steep access road of about 1.25 miles in length along the Southern flank of High Plateau Mountain above Peridotite Canyon which crosses four of the claims; considerable surface prospecting work has been done with a bulldozer.

About 25 tons of chrome ore, which averages about 50 percent Cr_2O_3 content, has been mined from a bulldozer open pit excavated on the Azalea No. 1 claim but no ore has been shipped to date.

PROPERTY AND OWNERSHIP

The Azalea unpatented claims, Nos. 1 to 5 inclusive, are jointly owned by the applicants Mr. James L. Perry and Mr. H. D. Miller. These claims are located in secs. 28 and 29, T. 18 N., R. 2 E., Humboldt B.&M., Del Norte County, Calif. The claims are recorded at Crescent City, California in Vols. 18 and 19, pages 37, 79 and 80, according to the applicants.

DEVELOPMENT

Surface facilities consist of a well-equipped frame cabin of about 25 by 25 feet in size. Mining equipment consists of a 105 c.f.m. compressor, jackhammer, and hand tools.

The most extensive work done to date consists of a fair access road of 1-1/4 miles in length along the south flank of High Plateau Mountain. This road served to prospect portions of the Azalea Nos. 1, 2, 3, and 5 claims. An open pit of about 200 feet in length and 100 feet in width was excavated near the center of Azalea No. 1 claim to prospect the most favorable mineralized area. A smaller open pit about 100 by 50 feet was excavated on the Azalea No. 3 claim. On the Azalea No. 4 claim, a small area was stripped of overburden. All of the work has been done with a No. 7 bulldozer on a rental basis by the operators. Several small test pits were excavated by hand.

The applicants have done only a limited amount of actual mining work, and they have had no previous diamond drilling or extensive exploration experience. However, the prospecting work which they have done to date on the Azalea claims has been properly and efficiently performed. They are believed to be financially responsible.

GEOLOGY

The Azalea claims are on the steep north slope of Peridotite Canyon in an area of high relief. The rock exposed in the vicinity of the mine is chiefly peridotite with locally small patches of dunite. It is near the center of a 10 mile wide north-trending belt of ultrabasic rock that is bounded on the east by the Galice formation of Jurassic age and on the west by Franciscan-type rocks of probable Cretaceous age.

The peridotite is an olivine-rich saxonite, containing scattered clots of enstatite crystals in an even-grained groundmass of olivine. It is slightly serpentinized over most of the area and locally is completely serpentinized to greenish-black serpentine. The saxonite is distinguished by a characteristic rough surface on the outcrop due to the differential weathering of the olivine and enstatite, leaving the enstatite crystals protruding from the otherwise smooth surface.

ORE DEPOSITS

The chromite bodies are irregular pods and lenses containing from a few pounds to as much as 25 tons of ore each. The largest lens mined was about 15 feet long, 8 feet high, and 2 feet thick and contained about 25 tons of ore that averaged about 50 percent Cr_2O_3. The lenses are erratically distributed and are not confined to a single stratigraphic horizon (fig. 2). The chromite lenses and stringers trend

about N. 50° to 60° E., and dip about 60° to 70° NW.

Chromite, the only ore mineral present, occurs both massive and disseminated. It has a Cr/Fe ratio of about 2.5/1. Gangue minerals are olivine, serpentine, talc, chrysotile asbestos, uvarovite, and mica. Octahedral crystals of magnetite are found locally in the wash material but none have been found associated with the ore.

About 25 tons of ore has been mined from the open pit on the Azalea No. 1 claim (fig. 2) and was stockpiled ready for shipment at the time of the examination. A grab sample of this ore contained 51.85 percent Cr_2O_3 and 13.25 percent Fe, with a Cr/Fe ratio of 2.7/1. About 41 tons of mill grade ore has been mined and shipped from the open pit on the Azalea No. 3 claim. This ore is estimated to have averaged from 10 to 15 percent Cr_2O_3. A grab sample of a 1 ton sorted ore pile of chromite from the same pit contained 40.75 percent Cr_2O_3 and 11.80 percent Fe, with a Cr/Fe ratio of 2.4/1.

SAMPLING

Analysis and descriptions of samples by the Bureau of Mines in connection with this examination are listed below:

Sample No.	%, Cr_2O_3	%, Fe	Description
1	51.85	13.25	Grab of 25 ton of ore at Azalea No. 1 open pit.
2	40.75	11.80	Grab of 1 ton of ore at Azalea No. 3 open pit.

ORE RESERVES

Except for a few pounds of chromite exposed as thin lenses in the bottoms of the open pits on the Azalea Nos. 1 and 3 claims, there are no measured or indicated ore reserves at the Azalea mine. Inferred reserves may total several hundred tons of ore in lenses and pods similar in size and grade to the bodies that have been mined. Some of these bodies may be found by exploration of the numerous chromite stringers that crop out on the property (fig. 2), others may be found by following the northeast trending chromite stringers in the bottoms and faces of the open pits.

PROPOSED EXPLORATION

The applicants have proposed a drilling program consisting of 1,700 feet of diamond drilling in about 12 holes ranging in depth from about 100 to 200 feet to explore for chromite bodies on the Azalea Nos. 1 and 3 claims. The applicant estimated the cost of the drilling would be $6,000. Additional costs of $800 to construct two cabins and $100 for miscellaneous expenses were added.

The chromite lenses that are the target of the proposed exploration are less than 20 feet across the greatest dimension and are not closely grouped nor confined to a single stratigraphic horizon. To diamond drill for targets of this size and distribution would require a great number of closely spaced holes. The peridotite in

which the ore bodies occur contains numerous fractures that would make drilling difficult and result in poor core recovery. The small diamond drill (less than EX-diameter rods) that the applicants wish to use is not likely to yield satisfactory cores nor drill to the required depths. To use a machine capable of drilling larger diameter cores and reaching the required depths would make the cost of exploration prohibitive for the size and value of the targets. Underground exploration by adit or shaft would likewise cost more than the value of the ore reserves that can be inferred from present exposures. The ore is not magnetic and probably would not respond well to geophysical methods of exploration. Actual mining of the chromite exposures by following the lenses and stringers is the most practical method of finding new ore bodies and the economics of this type of exploration are highly speculative.

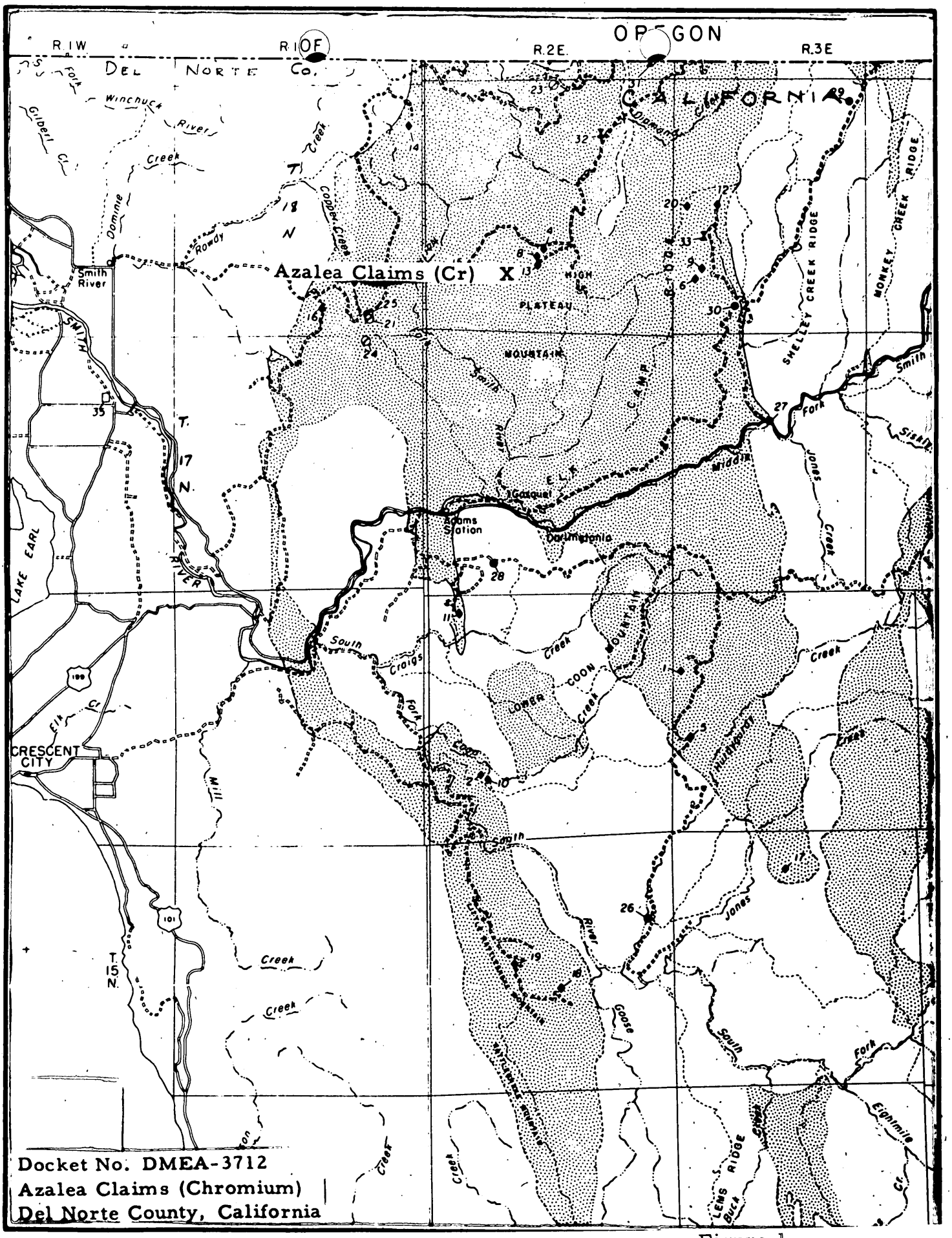

Figure 1

Datum approximate

Figure 2

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APR 11 1955

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

Re: Docket No. DMEA 3712 - Chromium
James L. Perry and H. D. Miller
Azalea claims
Del Norte County, California

Dear Mr. Richer:

The above-docketed application for exploration assistance is being referred to your office for review and possibly a field examination of the property.

The application was poorly prepared and lacked most of the information required for review prior to referring to the Field Team. By letter of March 17, 1955, the applicants were requested to furnish additional information.

Enclosed are two copies of a reply to our request, received from Carl A. Spieth, broker, Cave Junction, Oregon. Although the data contained therein do not answer our questions, they do indicate the presence of chromite on the Azalea claims.

Two copies of a relevant memorandum dated March 14, 1955, by E. L. Newcomb, Geological Survey, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

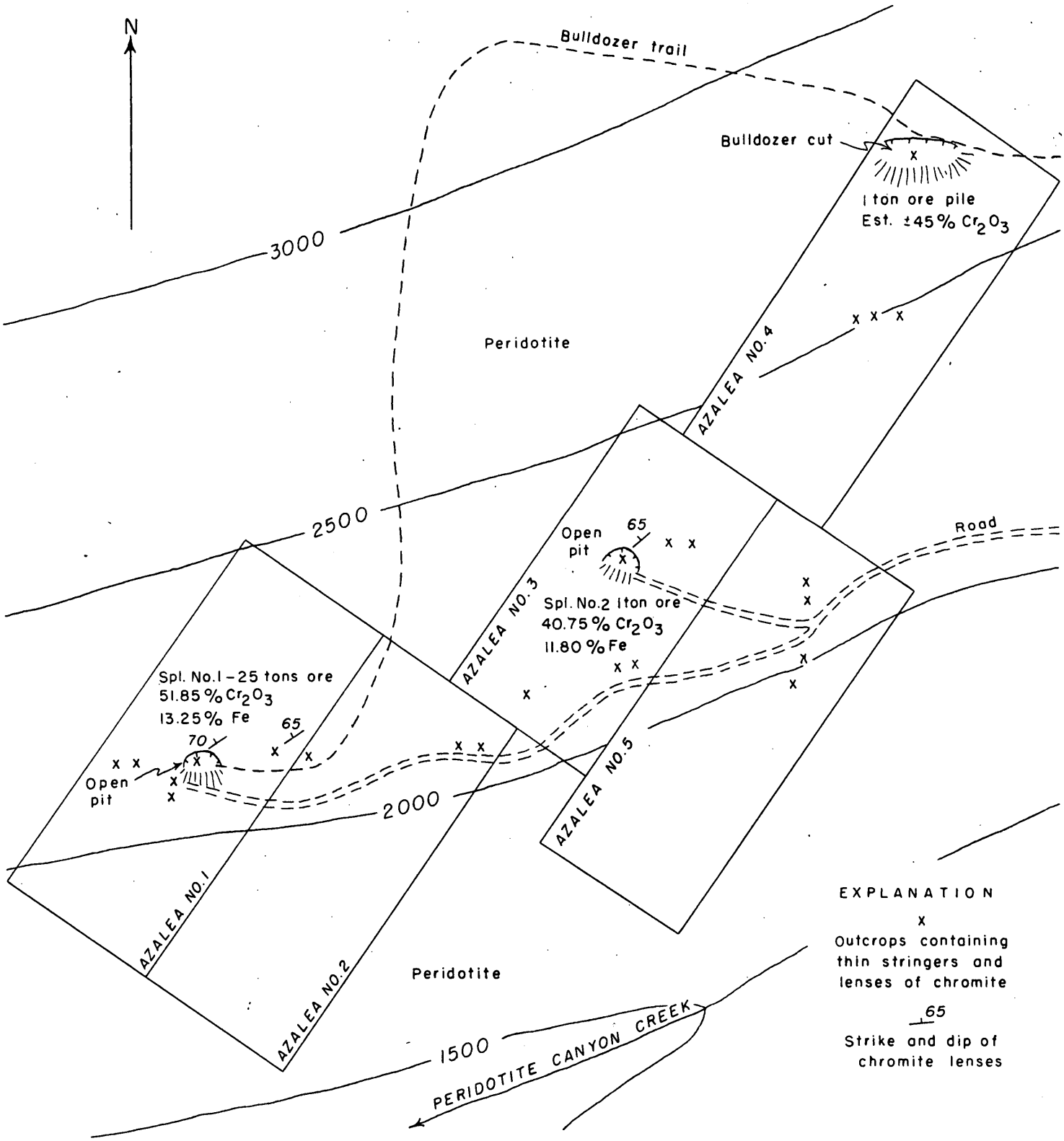
Enclosure

APPROVED:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

FARutledge:foc 4-8-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. II
Messrs. Catkin, USBM
Kiilsgaard, USGS



SKETCH MAP OF THE AZALEA CLAIMS, DEL NORTE COUNTY, CALIFORNIA

500 0 500 1000 FEET

Datum approximate

Figure 2

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APR 11 1955

Messrs. James L. Perry and
H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Re: Docket No. DMSA 3712 - Chromium
Azalea claims
Del Norte County, California

Gentlemen:

Reference is made to the above-docketed application for exploration assistance and our letter dated March 17, 1955, which requested additional information.

This will acknowledge Mr. Carl A. Spieth's letter of March 25, 1955. The information contained in his letter does not supply the requested data. However, we are referring your application to Mr. Spangler Ricker, Executive Officer, DMSA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for further consideration and possibly a field examination.

Should a field examination be made, any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
4-8-55
cc to: Docket
Code 400
Adm. Reading File
Operating Committee
Messrs. Katlin, USBM
Kiilsgaard, USGS

Field Team, Region II

C
O
P
Y

CARL A. SPIETH
Route 1, Box 884
CAVE JUNCTION, OREGON

March 25, 1955

United States
Department of the Interior
Defense Minerals Exploration Administration
Washington - 25 - D. C.

Re: Docket No. DMEA 3712 - Chormium
AZalea Claims
Del Norte County, Calif

Gentlemen:

In reply to your letter of 3/17/55 requesting additional information.

1. The main lead is a VEIN going down approximately 80 to 85 degrees.

2. We do not have the assays of samples taken from the ground. We did cut samples and can again but, feel that if representatives from your department would cut their own samples that they then would have a concise picture. Our main vein assays ran as high as 54% Chrome and 3.25 to 1 in iron. Other parts of the property ran as low as 33% Chrome. VEIN width varies from 1 inch to 2 feet.

3. No ore has been shipped from this property. We do have an estimated 30 tons stacked which we would like your field man to see. This ore is to be used to pay for the mile of new road which we have built.

4. The description of the proposed drilling is not determined. We are asking for help and advice to determine the location of the holes, depth, angles and course of the drilling. We had hoped to drill in the total footage of about 1600 to 1700 feet of holes ranging in depth from 100 to 200 feet. We estimate cost at $3.00 per foot whether we do the drilling or contract the work to others.

5. Your request of an estimate of total costs were answered in our original application. We estimated $6,000.00.

The property is best approached from the Oregon side of the mountain, going in from O'Brien, Oregon. Department office in Grants Pass, Oregon, is the logical location for headquarters.

We would appreciate advice as to when your field representative is to arrive in the area for this is a difficult country to locate us when we are out on the property. The many mountain roads make it advisable that we accompany your man to the area.

Delay in the face of the short Chrome Program will be costly to us. Consequently we will appreciate immediate advice of the acceptance or rejection of our application.

We have requested assistance in the firm belief that we have one of the outstanding showings in the area. Should we locate the size, depth and width of this ledge or deposit we would not need assistance from any source.

Yours very truly,

James L. Perry
H. D. Miller

/s/ Carl A. Spieth

Carl A. Spieth
Bookkeeper

MAR 1 7 1955

Messrs. James L. Parry and
H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Re: Docket No. DMEA 3712 - Chromium
Azalea Claims
Del Norte County, California

Gentlemen:

Review of your application for exploration assistance on the above noted property indicates that you have not given us the necessary data on your proposed project. Before we can act on your request for a field team examination, we will need further information as follows:

1. Describe generally the geological structure, including mineralization, type of deposit (vein, bedded, etc.)

2. Submit assays of samples from outcrops or pits, giving location of samples and widths.

3. If any ore has been shipped from the property, send us any data available concerning the shipments.

4. Describe fully the proposed work, showing the location, number, depth, course and dip of the proposed diamond drill holes, with an estimate of the total footage to be drilled and cost per foot.

5. Make an estimate of the total cost of the project.

Sincerely yours,

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

TLChapman:fcc
3-16-55
cc to: Docket
Code 400
Adm. Reading File
FT. REG. II
Thor L. Kiilsgaard, USGS
Charles Katlin, USBM

402

IN REPLY REFER TO:

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

MAR 15 1955

March 14, 1955

Re: DMEA-3712
Perry and Miller
(Azalea Claims)
Del Norte Co., Calif.
Chromium

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The application does not indicate what type of exploration has been planned, how it will be done and what the estimated costs may be.

Unless more data is submitted by the applicant which substantiates his request for DMEA assistance, I would suggest the application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-3/14/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Charles Katlin, 3515 Interior

Copy returned 1100

DOCKET
Surname:
Chapman
Martin
Katlin
Kiilsgaard
Hedges
Selfridge
Johnson

400

JUN 28 1955

Messrs. James L. Perry and
H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Re: Docket No. DMEA 3712 - Chromium
Azalea claims
Del Norte County, California

Gentlemen:

Your application for aid for an exploration project and other information available to us in Washington relating to the above-noted property, have been carefully reviewed.

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

Careful study of all our information, although noting scattered showings of chromium mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, therefore, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Code 400
Oper. Committee
Adm. Read. File
Thor Kiilsgaard, USGS
Charles Katlin, USBM
FT, Region 2-Reno

TLChapman/ls 6/24/55

R.C.S.

DOCKET
Surname:
Chapman
Kathin
Martin

June 23, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $6,900.00
Docket No. DMEA 3712, Chromium
James L. Perry and H. D. Miller
Azalea claims
Del Norte County, California

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

The applicants, James L. Perry and H. D. Miller, P. O. Box 532, Cave Junction, Oregon, requested exploration assistance in the amount of $6,900.00 for 1,700 feet of diamond drilling and establishment of a camp.

The five unpatented Azalea claims in Sections 28 and 29, T. 18. N., R. 2 E., are recorded in Del Norte County mining locations, Volume 18, pages 476 and 477, and Volume 19, pages 37, 79, and 80. The claims were located by the applicants.

The rock exposures are chiefly peridotite and small patches of dunite. These are near the center of a 10-mile wide north-trending belt of ultra-basic rocks. The chromite occurs as irregular pods and lenses which are relatively small and are not confined to a single stratigraphic horizon.

The Azalea claims were located by the applicants in 1954. Most of the prospecting on the property has been done with a bulldozer. On the Azalea No. 1 claim a trench 200 feet long and 100 feet wide has been excavated and on the Azalea No. 3 claim a trench 100 feet long by 50 feet wide has been excavated. There are a number of small pits on the property. About 25 tons of chromium ore, which will assay 50 percent Cr_2O_3, have been stockpiled. No shipments have been made from the property.

A grab sample of the 25-ton stockpile assayed 51.85 percent Cr_2O_3 and a grab from a 1-ton lot on the Azalea No. 3 claim assayed 40.75 percent Cr_2O_3.

The property shows little possibility of making a significant ore discovery, the Field Team recommends denial of the application, and the Commodity Division of the Geological Survey and the Bureau of Mines concur in the recommendation.

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

cc: Docket
Adm. Read. File
Operating Committee
Code 400

TLChapman/ls

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

June 23, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $6,900.00
Docket No. DMEA 3712, Chromium
James L. Perry and H. D. Miller
Azalea claims
Del Norte County, California

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The property shows little possibility of making a significant ore discovery, the Field Team recommends denial of the application, and the Commodity Division of the Geological Survey and the Bureau of Mines concur in the recommendation.

W S Martin

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

IN REPLY REFER TO:

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

June 17, 1955

RECEIVED
JUN 20 1955

Re: DMEA-3712
Perry & Miller
Azalea Claims
Del Norte Co., Calif.
$6,900 - Chromium

Memorandum

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

From: R. D. Trace, U. S. Geological Survey

Subject: Review of Field Team report

The Field Team recommends, and I concur, that the subject application be denied.

The denial is based upon (1) no definite target to explore by drilling and (2) the small size of known or potential chrome deposits.

R. D. Trace

R m Ea

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

RECEIVED
JUN 13 1955

1605 Evans Avenue
Reno, Nevada

June 10, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3712 - (Chromium)
James L. Perry and H. D. Miller
Azalea Claims
Del Norte County, California

Pursuant to your letter of April 11, 1955, the above subject application has been reviewed and a field examination made.

Attached are four copies of report on the property by J. D. Warne, Bureau of Mines and H. K. Stager, Geological Survey in which it is recommended that the application for exploration aid be denied.

Roscoe Smith and I concur in the recommendation.

S. Ricker

Attach.

Reviewed by
DMEA OPERATING COMMITTEE
6-17-55
(Date)

BUREAU OF MINES
WASHINGTON, D. C.

JUN 13 9 06 AM '55

RECEIVED
JUN 13 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-3712 - (Chromium)
James L. Perry and H. D. Miller
Azalea Mine
Del Norte County, California

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

H. K. Stager
Geologist
U. S. Geological Survey

June 8, 1955

Reviewed by
DMEA OPERATING COMMITTEE
6-17-55
(date)

RECEIVED
JUN 13 1955

CONTENTS

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Introdution	1
Conclusions and recommendations	2
Location, accessibility, local resources	2
History and production	3
Property and ownership	3
Development	4
Geology	5
Ore deposits	5
Sampling	6
Ore reserves	7
Proposed exploration	7

ILLUSTRATIONS

Figure 1 Location map
Figure 2 Sketch map of the Azalea Claims, Del Norte County, California

Docket No.: DMEA-3712 - (Chromium)

Name and address of applicant: James L. Perry and H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Name and location of property: Azalea Claims
Secs 28 and 29, T. 18 N., R. 2 E.,
Humboldt B&M
Del Norte County, California

INTRODUCTION

Mr. James L. Perry and Mr. H. D. Miller, P. O. Box 32, Cave Junction, Oregon applied for Government assistance for $6,900 program under the Defense Minerals Exploration Administration, docket number 3712, to explore for chromium on the Azalea group of claims, Del Norte County, California. The proposed exploration would consist of about 1,700 feet of diamond drilling.

A field examination was requested by the Operating Committee, and was made by J. D. Warne of the Bureau of Mines and H. K. Stager of the Geological Survey on April 12, 1955, accompanied by Mr. H. D. Miller, one of the applicants.

The open pits and surface exposures were inspected and compared with the applicants' map. Two samples were taken by the examiners to check the grade and chrome/iron ratio of the ore.

CONCLUSIONS AND RECOMMENDATIONS

The chromite at the Azalea mine consists of erratically spaced lenses and pods of chromite in peridotite. Although the area has some merit for small production, there is no definite target or structure on which to plan an exploration program.

In addition, the type of deposit and inferred ore reserves would indicate that there is little probability of discovering sufficient ore to justify the expense of exploration by the Government. Our experience in drilling for chromite lenses without fairly well defined structural features or to where they may occur has been unsatisfactory.

It is recommended that Government assistance under the DMEA program be denied.

LOCATION, ACCESSIBILITY, LOCAL RESOURCES

The Azalea claims are located in the High Plateau chrome area in sections 28 and 29, T. 18 N., R. 2 E., Humboldt B&M, about 17 miles northeast of Crescent City, Del Norte County, Calif. (Fig. 1)

They are accessible by automobile by a fairly steep and poorly maintained dirt road which leads 10 miles southwest from U.S. Highway No. 199 at O'Brien, Oregon to a junction with a road leading northward at the California-Oregon state line; from this junction, the road meanders westward along the state boundary for several miles, then trends southwestward into the High Plateau mountain area in California, a distance of 19.3 miles to the property. The total distance from O'Brien, Oregon to the Azalea mine claims is 29.3 miles.

Mine supplies are obtainable from Grants Pass, Oregon, 50 miles distant. Experienced mine labor is scarce. Water must be hauled about two miles from the North Fork of the Smith River. Suitable mine timber can be obtained within a few miles from the mine. No electric power is available within the area.

HISTORY AND PRODUCTION

The group of five Azalea claims were located in 1954 by James L. Perry and H. D. Miller of Cave Junction, Ore. After locating the claims, the operators constructed a steep access road of about 1.25 miles in length along the Southern flank of High Plateau Mountain above Peridotite Canyon which crosses four of the claims; considerable surface prospecting work has been done with a bulldozer.

About 25 tons of chrome ore, which averages about 50 percent Cr_2O_3 content, has been mined from a bulldozer open pit excavated on the Azalea No. 1 claim but no ore has been shipped to date.

PROPERTY AND OWNERSHIP

The Azalea unpatented claims, Nos. 1 to 5 inclusive, are jointly owned by the applicants Mr. James L. Perry and Mr. H. D. Miller. These claims are located in secs. 28 and 29, T. 18 N., R. 2 E., Humboldt B.&M., Del Norte County, Calif. The claims are recorded at Crescent City, California in Vols. 18 and 19, pages 37, 79 and 80, according to the applicants.

DEVELOPMENT

Surface facilities consist of a well-equipped frame cabin of about 25 by 25 feet in size. Mining equipment consists of a 105 c.f.m. compressor, jackhammer, and hand tools.

The most extensive work done to date consists of a fair access road of 1-1/4 miles in length along the south flank of High Plateau Mountain. This road served to prospect portions of the Azalea Nos. 1, 2, 3, and 5 claims. An open pit of about 200 feet in length and 100 feet in width was excavated near the center of Azalea No. 1 claim to prospect the most favorable mineralized area. A smaller open pit about 100 by 50 feet was excavated on the Azalea No. 3 claim. On the Azalea No. 4 claim, a small area was stripped of overburden. All of the work has been done with a No. 7 bulldozer on a rental basis by the operators. Several small test pits were excavated by hand.

The applicants have done only a limited amount of actual mining work, and they have had no previous diamond drilling or extensive exploration experience. However, the prospecting work which they have done to date on the Azalea claims has been properly and efficiently performed. They are believed to be financially responsible.

GEOLOGY

The Azalea claims are on the steep north slope of Peridotite Canyon in an area of high relief. The rock exposed in the vicinity of the mine is chiefly peridotite with locally small patches of dunite. It is near the center of a 10 mile wide north-trending belt of ultrabasic rock that is bounded on the east by the Galice formation of Jurassic age and on the west by Franciscan-type rocks of probable Cretaceous age.

The peridotite is an olivine-rich saxonite, containing scattered clots of enstatite crystals in an even-grained groundmass of olivine. It is slightly serpentinized over most of the area and locally is completely serpentinized to greenish-black serpentine. The saxonite is distinguished by a characteristic rough surface on the outcrop due to the differential weathering of the olivine and enstatite, leaving the enstatite crystals protruding from the otherwise smooth surface.

ORE DEPOSITS

The chromite bodies are irregular pods and lenses containing from a few pounds to as much as 25 tons of ore each. The largest lens mined was about 15 feet long, 8 feet high, and 2 feet thick and contained about 25 tons of ore that averaged about 50 percent Cr_2O_3. The lenses are erratically distributed and are not confined to a single stratigraphic horizon (fig. 2). The chromite lenses and stringers trend

about N. 50° to 60° E., and dip about 60° to 70° NW.

Chromite, the only ore mineral present, occurs both massive and disseminated. It has a Cr/Fe ratio of about 2.5/1. Gangue minerals are olivine, serpentine, talc, chrysotile asbestos, uvarovite, and mica. Octahedral crystals of magnetite are found locally in the wash material but none have been found associated with the ore.

About 25 tons of ore has been mined from the open pit on the Azalea No. 1 claim (fig. 2) and was stockpiled ready for shipment at the time of the examination. A grab sample of this ore contained 51.85 percent Cr_2O_3 and 13.25 percent Fe, with a Cr/Fe ratio of 2.7/1. About 41 tons of mill grade ore has been mined and shipped from the open pit on the Azalea No. 3 claim. This ore is estimated to have averaged from 10 to 15 percent Cr_2O_3. A grab sample of a 1 ton sorted ore pile of chromite from the same pit contained 40.75 percent Cr_2O_3 and 11.80 percent Fe, with a Cr/Fe ratio of 2.4/1.

SAMPLING

Analysis and descriptions of samples by the Bureau of Mines in connection with this examination are listed below:

Sample No.	%, Cr_2O_3	%, Fe	Description
1	51.85	13.25	Grab of 25 ton of ore at Azalea No. 1 open pit.
2	40.75	11.80	Grab of 1 ton of ore at Azalea No. 3 open pit.

ORE RESERVES

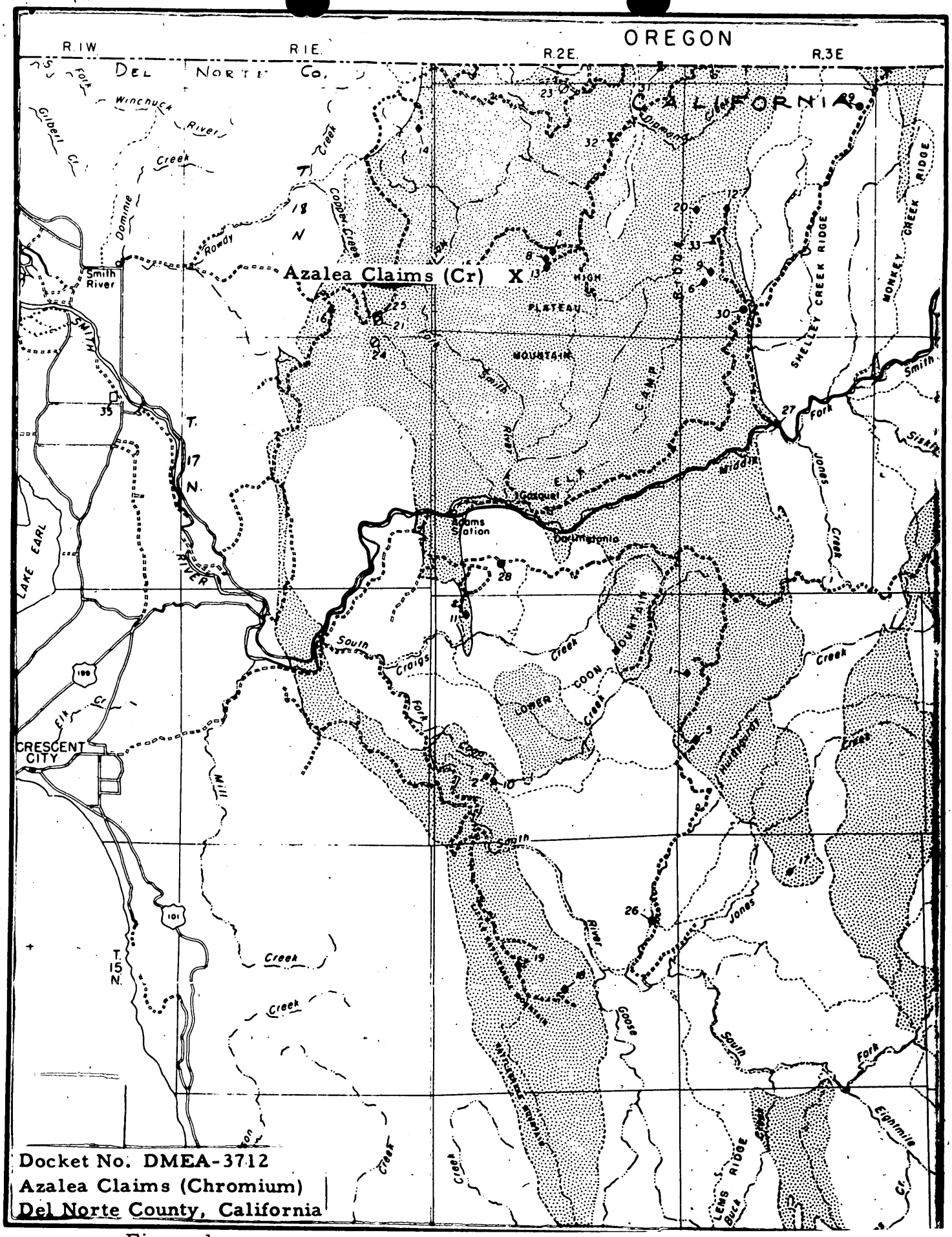
Except for a few pounds of chromite exposed as thin lenses in the bottoms of the open pits on the Azalea Nos. 1 and 3 claims, there are no measured or indicated ore reserves at the Azalea mine. Inferred reserves may total several hundred tons of ore in lenses and pods similar in size and grade to the bodies that have been mined. Some of these bodies may be found by exploration of the numerous chromite stringers that crop out on the property (fig. 2), others may be found by following the northeast trending chromite stringers in the bottoms and faces of the open pits.

PROPOSED EXPLORATION

The applicants have proposed a drilling program consisting of 1,700 feet of diamond drilling in about 12 holes ranging in depth from about 100 to 200 feet to explore for chromite bodies on the Azalea Nos. 1 and 3 claims. The applicant estimated the cost of the drilling would be $6,000. Additional costs of $800 to construct two cabins and $100 for miscellaneous expenses were added.

The chromite lenses that are the target of the proposed exploration are less than 20 feet across the greatest dimension and are not closely grouped nor confined to a single stratigraphic horizon. To diamond drill for targets of this size and distribution would require a great number of closely spaced holes. The peridotite in

which the ore bodies occur contains numerous fractures that would make drilling difficult and result in poor core recovery. The small diamond drill (less than EX-diameter rods) that the applicants wish to use is not likely to yield satisfactory cores nor drill to the required depths. To use a machine capable of drilling larger diameter cores and reaching the required depths would make the cost of exploration prohibitive for the size and value of the targets. Underground exploration by adit or shaft would likewise cost more than the value of the ore reserves that can be inferred from present exposures. The ore is not magnetic and probably would not respond well to geophysical methods of exploration. Actual mining of the chromite exposures by following the lenses and stringers is the most practical method of finding new ore bodies and the economics of this type of exploration are highly speculative.



Docket No. DMEA-3712
Azalea Claims (Chromium)
Del Norte County, California

Figure 1

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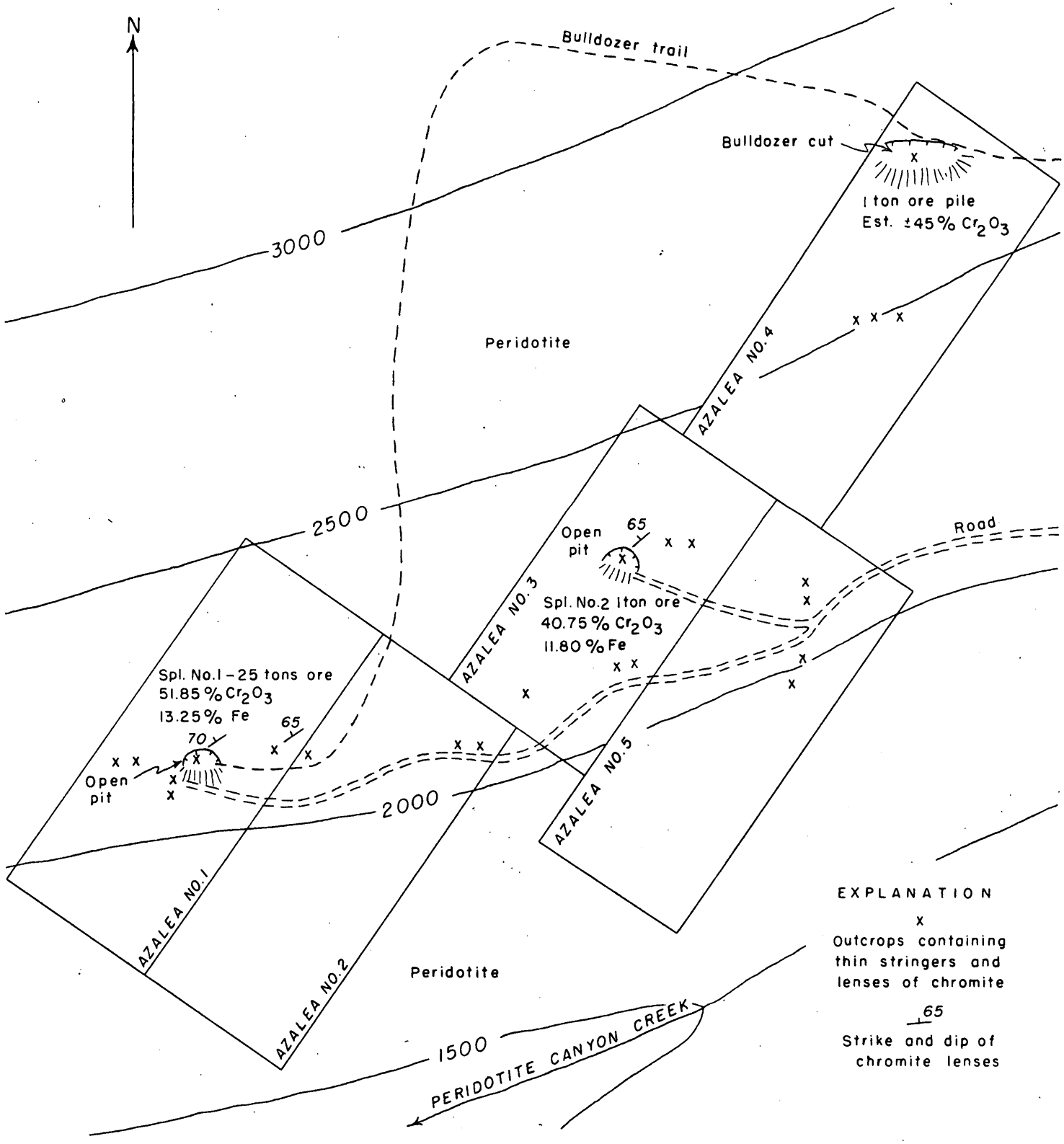
JUN 1 3 1955



SKETCH MAP OF THE AZALEA CLAIMS, DEL NORTE COUNTY, CALIFORNIA

500 0 500 1000 FEET

Datum approximate

Figure 2

RECEIVED
JUN 13 1955

DOCKET
SURNAME
400 Rutledge
Katlin
Martin
Kiilsgaard
Hedges
Lethridge
Jefferson

APR 11 1955

Messrs. James L. Perry and
H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Re: Docket No. DMSA 3712 - Chromite
Analysis claims
Del Norte County, California

Gentlemen:

Reference is made to the above-docketed application for exploration assistance and our letter dated March 17, 1955, which requested additional information.

This will acknowledge Mr. Carl A. Spieth's letter of March 25, 1955. The information contained in his letter does not supply the requested data. However, we are referring your application to Mr. Spangler Richer, Executive Officer, DMSA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for further consideration and possibly a field examination.

Should a field examination be made, any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:fcc
4-8-55
cc to: Docket
Code 400
Adm. Reading File
Operating Committee
Messrs. Katlin, USBM
Kiilsgaard, USGS
Field Team, Region II

R.G.H.

DOCKET
SURNAME
Rutledge
Katkin
Martin
Selfridge
E. Brown

400

APR 11 1955

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

Re: Docket No. DMEA 3712 - Chromium
James L. Perry and H. D. Miller
Azalea claims
Del Norte County, California

Dear Mr. Richer:

The above-docketed application for exploration assistance is being referred to your office for review and possibly a field examination of the property.

The application was poorly prepared and lacked most of the information required for review prior to referring to the Field Team. By letter of March 17, 1955, the applicants were requested to furnish additional information.

Enclosed are two copies of a reply to our request, received from Carl A. Spieth, broker, Cave Junction, Oregon. Although the data contained therein do not answer our questions, they do indicate the presence of chromite on the Azalea claims.

Two copies of a relevant memorandum dated March 14, 1955, by E. L. Newcomb, Geological Survey, are enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Enclosure

APPROVED:

J. H. Hedges (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

FARutledge:foc 4-8-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. II
Messrs. Catkin, USBM
Kiilsgaard, USGS

R.C.J.

REAL ESTATE ACCOUNTING INSURANCE

CARL A. SPIETH
BROKER

PHONE 1010, 7710 ROUTE 1, BOX 884
CAVE JUNCTION, OREGON

Docket

Defense Minerals Administration
Received
APR - 4 1955

March 25, 1955

United States
Department of the Interior
Defense Minerals Exploration Administration
Washington -25- D.C.

WSM

Gentlemen:

Re: Docket No. DMEA 3712--Chromium
Azalea Claims
Del Norte County, Calif.

In reply to your letter of 3/17/55 requesting additional information.

1. The main lead is a VEIN going down approximately 80 to 85 degrees.

2. We do not have the assays of samples taken from the ground. We did cut samples and can again but, feel that if representatives from your department would cut their own samples that they then would have a concise picture. Our main vein assays ran as high as 54% Chrome and 3.25 to 1 in iron. Other parts of the property ran as low as 33% Chrome. VEIN width varies from 1 inch to 2 feet.

3. No Ore has been shipped from this property. We do have an estimated 30 tons stacke which we would like your field man to see. This Ore is to be used to pay for the mile of new road which we have built.

4. The description of the proposed drilling is not determined. We are asking for help and advise to determine the location of the holes, depth, angles and course of the drilling. We had hoped to drill in the total footage of about 1600 to 1700 feet of holes rangeing in depth from 100 to 200 feet. We estimate cost at $3.00 per foot whether we do the drilling or contract the work to others.

5. Your request of an estimate of total costs was answered in our original application. We estimated $6,000.00.

Was not shown on appl. form 4/5/55 LS

The property is best approached from the Oregon side of the mountain, going in from O'Brien, Oregon. Department office in Grants Pass, Oregon, is the logical location for headquarters.

We would appreciate advice as to when your field representative is to arrive in the area for this is a difficult country to locate us when we are out on the property. The many mountain roads make it advisable that we accompany your man to the area.

Delay in the face of the short Chrome Program will be costly to us. Consequently we will appreciate immediate advice of the acceptance or rejection of our application.

We have requested assistance in the firm belief that we have one of the outstanding showings in the area. Should we locate the size, depth and width o of this ledge or deposit we would not need assistance from any source.

Yours very truly,

James L. Perry
H. D. Miller
By: Carl A. Spieth
Bookkeeper

DOCKET
SURNAME
400 Chapman
Martin
Hatchcock

MAR 17 1955

Messrs. James L. Perry and
H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Re: Docket No. DMEA 3712 - Chromium
Azalea Claims
Del Norte County, California

Gentlemen:

Review of your application for exploration assistance on the above noted property indicates that you have not given us the necessary data on your proposed project. Before we can act on your request for a field team examination, we will need further information as follows:

1. Describe generally the geological structure, including mineralization, type of deposit (vein, bedded, etc.)

2. Submit assays of samples from outcrops or pits, giving location of samples and widths.

3. If any ore has been shipped from the property, send us any data available concerning the shipments.

4. Describe fully the proposed work, showing the location, number, depth, course and dip of the proposed diamond drill holes, with an estimate of the total footage to be drilled and cost per foot.

5. Make an estimate of the total cost of the project.

Sincerely yours,

SIGNED

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

TLChapman:foc
3-16-55
cc to: Docket
Code 400
Adm. Reading File
FT. REG. II
Thor L. Kiilsgaard, USGS
Charles Katlin, USBM

R.C.G.

Docket

IN REPLY REFER TO:

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

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 15 1955

March 14, 1955

WSM

Re: DMEA-3712
Perry and Miller
(Azalea Claims)
Del Norte Co., Calif.
Chromium

Copy retained 5300

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The application does not indicate what type of exploration has been planned, how it will be done and what the estimated costs may be.

Unless more data is submitted by the applicant which substantiates his request for DMEA assistance, I would suggest the application be denied.

E. L. Newcomb
E. L. Newcomb

March 8, 1955
Subject: DMEA 3712
Re: Exploration Assistance
Azalea Claims

Messrs. James L. Perry and
H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Gentlemen:

The receipt of your application dated February 17, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3712 and referred to the Iron and Ferro-Alloys Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

March 8, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region II.

DMEA - 3712 James L. Perry and H. D. Miller

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

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

Defense Minerals Administration
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MAR 8 - 1955

1605 Evans Avenue
Reno, Nevada

March 4, 1955

Memorandum

To: Defense Minerals Exploration Administration
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan application - Chromium
James L. Perry and H. D. Miller
P. O. Box 32
Cave Junction, Oregon

Attached are three sets of MF-103, Application for Aid received from H. D. Miller and James L. Perry relative to the above subject. The fourth set has been retained in our files.

S. Ricker

Encls.

1955

1605 Evans Avenue
Reno, Nevada

March 4, 1955

Memorandum

To: Defense Minerals Exploration Administration
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan application - Chromium
James L. Perry and H. D. Miller
P. O. Box 32
Cave Junction, Oregon

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S. Ricker

Encls.

S. Ricker:gh
cc: H. C. Miller
R. M. Smith
Files

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. 3712
Metal or Mineral Chromium
Date Received FEB 25 1955 3-8-55
Estimated Cost No amount shown
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: James L. Perry and H. D. Miller, Partnership of the State of Oregon
P. O. Box 32
Cave Junction, Oregon

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
Five (5) Azalea Claims in Sections 28 and 29, Township 18 North, Range 2 East of the Humbolt Meridian, Del Norte County, California
Recorded Del Norte County Mining Locations Vol 18 Page 476 and 477- Vol.19 Pages 37,79 &80

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

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

(*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.

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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. Sketch attached

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. New road into claims and 50 miles to Grants Pass Chrome Depot.

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Chrome

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

(*c*) The work will start within 10 days and be completed within 6 months from the date of an exploration project contract. Weather permitting.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [X] 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 February 17, 1955

James L. Perry and H. D. Miller, Partners
(Applicant)

By H. D. Miller
James L. Perry

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

5 (d) James L. Perry has mined for 3 years. [illegible] years on leased ground.
H. D. Miller has prospected for years and mined on the High Plateau during World War II. This is same area of present claims.

6 (a) None
(b) Driller and helper wages @ $40.00 per day.
(c) Tank truck for water for drilling will be owner furnished.
(d) If possible drill and power will be rented and operated by owners. Estimated rental cost $12.00 per day with 30 to 60 days needed. If drill can not be rented it will be necessary to purchase at estimated cost of $2,500. to $3000.
(e) None
(f) Construction of 2 cabins (12' X 16') estimated @ $400.00 each.

7. (a) Yes.

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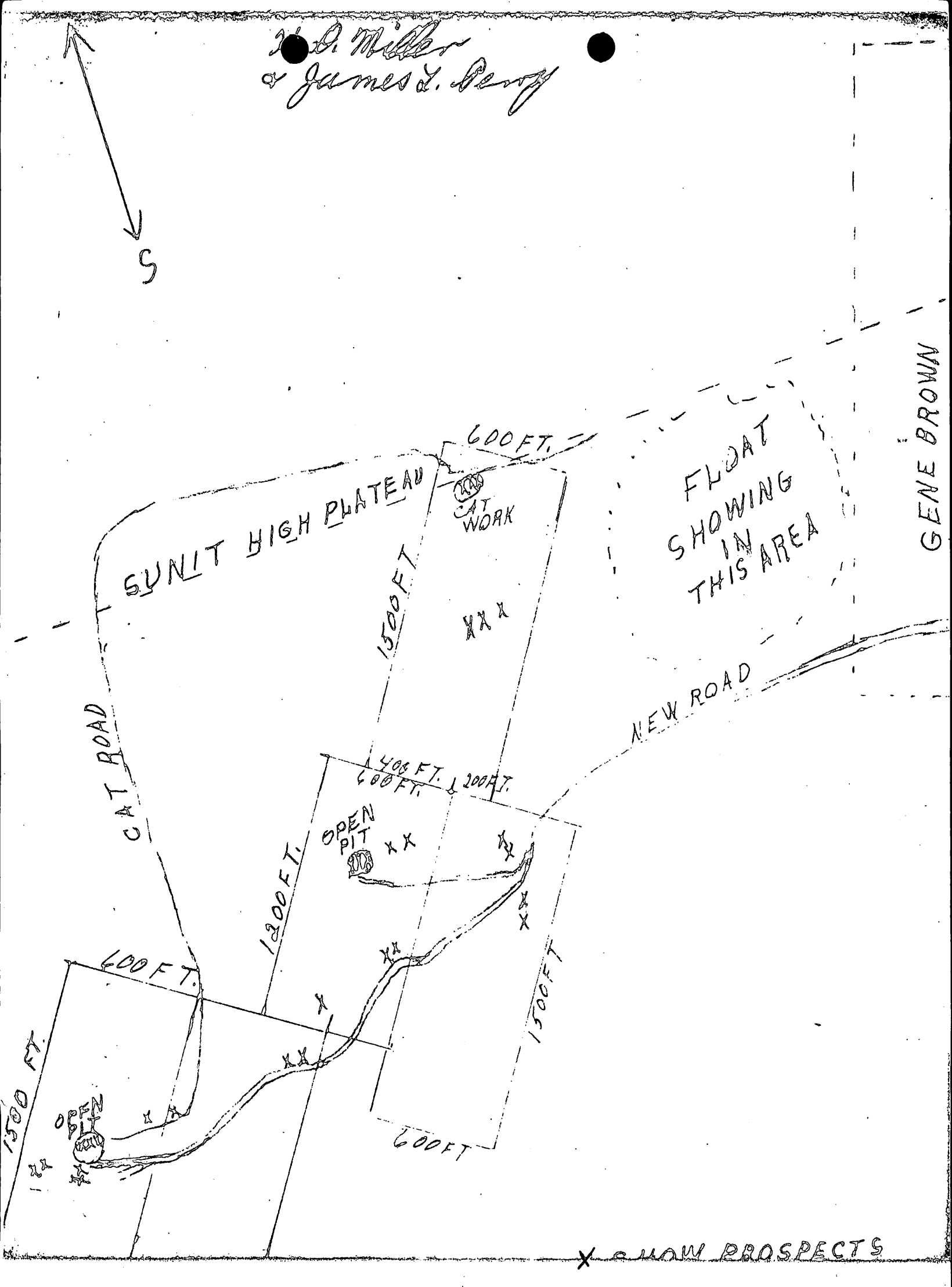
S
SUNIT HIGH PLATEAU
600 FT.
CAT WORK
1500 FT
FLOAT SHOWING IN THIS AREA
GENE BROWN
NEW ROAD
CAT ROAD
400 FT.
600 FT.
200 FT.
OPEN PIT
1200 FT.
600 FT.
1500 FT.
1500 FT
600 FT
OPEN PIT
X SHOW PROSPECTS

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