Big Seven Mining Company, Inc.
223 South C. Street
Lompoc, California

Re: Docket No. DMEA-4364 - Chromite
Bright Future claims
San Benito County, California

Gentlemen:

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

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

Careful study of our information, although noting chromite mineralization on the Bright Future claims, indicates to us that the probability of disclosing minable chromite 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 program and for bringing this property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

SPHolt/esf 10/2/56
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT, REG. II
Messrs: WMcInnis, USBM
TKiilsgaard, USGS

October 2, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $9,035.00
Docket No. DMEA-430 - Chromite
Big Seven Mining Company, Inc.
Bright Future claims
San Benito County, California

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

(1) The applicant, Big Seven Mining Company, Inc., 223 South C Street, Lompoc, California, requested exploration assistance in the amount of $9,035.00 for bulldozer trenching and sampling on the Bright Future claims.

(2) The applicant owns six unpatented lode mining claims, situated in secs. 1, 2, and 3, T. 18 S., R. 11 E., sec. 31, T. 17 S., R. 12 E., and secs. 5, 6, 17, and 18, T. 18 S., R. 12 E., M.D.B. and M., in the Diablo Range, San Benito County, California, and recorded in the County Recorder's Office at Hollister, California, as follows:

Claim Name	Volume	Page
Bright Future No. 1	222	31
" " " 2	222	33
" " " 3	224	198
" " " 4	224	200
" " " 5	224	202
" " " 6	224	204

(3) The proposed program is to explore the chromite deposits on the Bright Future claims by bulldozing trenches and pits, and sampling and assaying any chromite occurrences uncovered.

(4) In the area of the Bright Future claims chromite occurs as small fragments of chromite float and erratically scattered pods and disseminations of chromite in serpentinized peridotite.

(5) The Field Team concludes that the chromite deposits on the Bright Future claims are too small and too widely scattered to be mined economically, that no target has been uncovered on which to base an exploration program, that the probability of making a significant discovery is small, and therefore recommends that the application for DMEA assistance be denied. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

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

SPHolt/esf
10/2/56
cc: Docket
Admr. R. File
Code 400 ✓
Oper. Committee

400

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

RECEIVED
SEP 10 1956

Date **September 10, 1956**

DMEA Docket No. **4364**
DMEA Contract No.
Commodity **Chromite**
Name of applicant **Big Seven Mining Co.**
Name of property **Bright Future Claims**
Location of property **San Benito County, Calif.**
Estimated cost of project **$9,035.00**

Memorandum

To: **W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA**
Through: Acting Chief, Branch of Ferrous Metals & Ferralloys

From: **Wilmer McInnis, Branch of Ferrous Metals & Ferroalloys**

Subject: Review of **Field Team Report**
(Application, Field Team Report, etc.)

1. Date of subject document: **8/30/56**. 2. Date received by reviewer: **9/7/56**

3. Prior reports on this property known to reviewer: Yes ☐, No ☒.

4. Prior reports on nearby properties known to reviewer: Yes ☐, No ☐.

5. Information available on past production: Yes ☒, No ☐.

6. Other pertinent factors known to reviewer: Yes ☐, No ☐.

7. Explain items marked yes above:
Applicant reported only minor past production from these claims.

8. Factors needing special consideration:
   a. Location ☐
   b. Ownership ☐
   c. Evidence of mineralization ☐
   d. Geology ☒
   e. Proposed exploration method ☐
   f. Alternate exploration method ☐
   g. Costs ☐
   h. _____ ☐

9. Action advised:
   a. Obtain information from applicant ☐
   b. Refer to Field Team ☐
   c. Denial ☐
   d. Agree with Field Team ☐
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary) **In view of the Field Team Report that no target has been uncovered which to base an exploration program on and that the deposits are two small and widely distributed to mine economically, I concur with their recommendation.**

Wilmer McInnis

IN REPLY REFER TO:

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

400

RECEIVED
SEP 11 1956

September 7, 1956

Re: DMEA 4364
Big Seven Mining Co.
Bright Future Claims
San Benito Co., California
$9,035.00 - Chromite

Copy retained 400

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 exploring showings of good grade chromite ore on each of six noncontiguous claims and in prospecting the unstaked intervening ground.

Small pods and lenses of good grade chromite, in serpentine, were seen and sampled by the examiners. The lenses occur sporadically and contain as much as 90 tons, as shown by work in a cut on Bright Future No. 1 claim. Boulders of chromite occur in the weathered serpentine but no single showing offers a worthwhile target for exploratory work. Results obtained in bulldozer work suggest the value of material recovered is less than the cost of the work and by inference no better results are to be expected by similar work on known showings. Searching for other lenses would be prospecting in the opinion of the examiners.

The conclusions of the examiners appear justified, as is the recommendation of denial.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/7/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. McInnis, 3515

400

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

RECEIVED
SEP - 4 1956

1605 Evans Avenue
Reno, Nevada

August 31, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4364 (Chromite)
Big Seven Mining Company
Bright Future Claims
San Benito County, California
(Your letter, July 12, 1956)

Attached are four copies of a report on subject property by D. B. Tatlock, Geological Survey, and Walter Bank, Bureau of Mines, recommending that application for DMEA exploration aid be denied.

Roscoe Smith and I concur in the recommendation.

S. Ricker
Executive Officer

Attach.

Reviewed by
DMEA OPERATING COMMITTEE

(date)

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

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DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4364 (Chromium)
Pi Seven Mining Company, Inc.
Bright Future Claims
San Benito County, California

By

Walter Bank
U. S. Bureau of Mines

D. B. Tatlock
U. S. Geological Survey

August 30, 1956

Reviewed by
DMEA OPERATING COMMITTEE

(date)

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INTRODUCTION

Mr. Donald F. Neuschwander, president of the Big Seven Mining Company, Inc., 223 South C Street, Lompoc, California, applied for Government assistance in a $9,035.00 program under the Defense Minerals Exploration Administration, docket DMEA-4364, to explore for chrome on the Bright Future claims, San Benito County, California. The applicant proposes to explore the claims by trenching.

A field examination was requested by the Operating Committee in a letter dated July 12, 1956, and was made by Walter Bank, U. S. Bureau of Mines, and D. B. Tatlock, U. S. Geological Survey, on July 31, 1956, accompanied by Messrs. E. G. Hendy and O. C. Benedict, representing the applicant.

Inasmuch as the applicant's six non-contiguous claims are widely scattered over an almost homogeneous mass of serpentinized peridotite, and the only workings consist of shallow bulldozer trenches, no attempt was made by the field examiners to map the property. Three samples were taken from Claim No. 3 to check the grade of the ore.

CONCLUSIONS AND RECOMMENDATIONS

The Bright Future claims contain small fragments of chromite float and erratically distributed pods and disseminations of chromite in serpentine. The deposits are too small and too widely scattered to be mined economically. No target has been uncovered on which to base an exploration program and the probability of a significant discovery is small.

It is recommended that Government assistance be denied.

LOCATION, ACCESSIBILITY AND LOCAL FACILITIES

The Bright Future claims are located in secs. 1, 2, and 3, T. 18 S., R. 11 E.; secs. 5 and 6, T. 18 S., R. 12 E.; sec. 31, T. 17 S., R. 12 E.; and secs. 17 and 18, T. 18 S., R. 12 E., M.D.B.&M., in the Diablo Range, San Benito County, California (fig. 1), at an altitude ranging from 3350 to 4700 feet.

To reach Bright Future No. 3 claim, start from New Idria General Store, proceed along the county gravel road towards Hines City 3.5 miles; turn right on dirt road and continue 1.4 miles; turn right and continue 3.6 miles past the Keepper mercury operation; turn right and go 0.5 mile to the open cuts. This route will cross or pass near claims 1, 2, 4 and 6.

The steep dirt roads are dusty in dry weather, but can be traversed in part by a passenger car. These roads are impassable in wet weather, and require about three days to dry out.

The James Mining Company Mill (San Benito Mill) is 8 miles from the No. 3 claim. Idria, California, is the nearest source of labor and supplies. Water is available from Clear Creek and San Benito Creek.

HISTORY, PRODUCTION, PROPERTY AND OWNERSHIP

Number 1 claim was located by Brindle in 1952, and leased to the James Mining Company which removed 90 tons of high-grade ore in 1953. The claim was abandoned, and relocated by the Big Seven Mining Company. Other claims were located by the applicants who produced 45 to 50 tons of ore, grade unknown, from claim No. 3.

The Big Seven Mining Company is composed of seven men, all of whom are experienced in some phase of mining or construction work.

Property consists of six claims recorded in Hollister, San Benito County, California, as follows:

Bright Future	No. 1	Vol. 222	Page 31
" "	No. 2	222	33
" "	No. 3	224	198
" "	No. 4	224	200
" "	No. 5	224	202
" "	No. 6	224	204

DEVELOPMENT

A cut on Bright Future No. 1 claim yielded 90 tons of high-grade ore, and represents approximately 30 days of bulldozing work. No. 3 claim is producing ore from a hillside bench; two other benches have chromite showings. The four remaining claims have assessment work completed. Chromite pods, 1 to 2 feet in diameter, are exposed in dozer cuts on No. 2 claim, and the surface carries residual chromite.

Four miles of road were constructed to connect the property with the James Mining Co. mill.

A TD24 dozer and a 6-ton Kelter truck are borrowed or rented from J. R. Holmes. A Fordson, 3/4-yard skiploader is also available. A camp on Clear Creek is located on a potential millsite.

GENERAL GEOLOGY

The Bright Future claims are in the northwestern part of a large oval body of strongly sheared and serpentinized peridotite about 12 miles long and 4 miles wide.[1] The peridotite is bounded

1/ Eckel, Edwin B., and Myers, W. B., 1946, Quicksilver deposits of the New Idria district, San Benito and Fresno Counties, California: Calif. Jour. of Mines and Geol., Vol. 42, No. 2, pp. 81-124.

by the Franciscan formation of probable cretaceous age and locally by the Franciscan formation of late cretaceous age. Most of the body has been deeply weathered and erosion has removed large quantities of the soft crumbly serpentine. Small pods and lenses of chromite contained in the serpentine are more resistant to weathering and have been concentrated locally by this erosion.

ORE DEPOSITS

Chromite, the only ore mineral seen, occurs as granules, nodules, and boulders residually concentrated in serpentine debris and in irregular pod-like bodies containing from a few pounds to several tons of ore each. The chief gangue material is serpentine, thin films of bright green chrome garnet (uvarovite) and pink chromebearing chlorite (kammererite) occur in fractures in, and as coatings on, the chromite nodules.

About 45 tons of serpentine containing disseminated chromite granules and about 3 tons of chromite boulders as much as 10 inches in diameter were recovered from about 600 cubic yards of serpentine debris bulldozed from the Bright Future No. 3 claim. The massive ore is stockpiled on the claim and the disseminated ore has not yet been milled. There has been no production by the present operator from the other five claims and only a few pounds of chromite can be seen on each of these claims.

SAMPLING

Chromite float and leads in bulldozed trenches were noted. Three samples were collected at Bright Future No. 3 claim, but the other showings were too insignificant to sample.

Sample No.	Width/ft.	Cr_2O_3	Remarks
B-14	3.0	26.70	Across seam in floor of cut, No. 3 claim
B-15	2.3	28.60	Across seam or pod in wall of dozer cut, No. 3 claim, 15 ft. south of B-14.
B-16	Grab	47.52	From 3-ton stockpile of high-grade (?); 1/2 of stockpile from cut, 1/2 from residual boulders.

ORE RESERVES

There are no measured or indicated reserves of chrome ore on the Bright Future claims. Inferred ore reserves may total a few tons in pod-like bodies sporadically distributed in the serpentine debris.

The chromite pods that constitute the target of the exploration are so small and erratically distributed that the cost of any type of surface or subsurface exploration is almost certain to exceed the value of the ore found.

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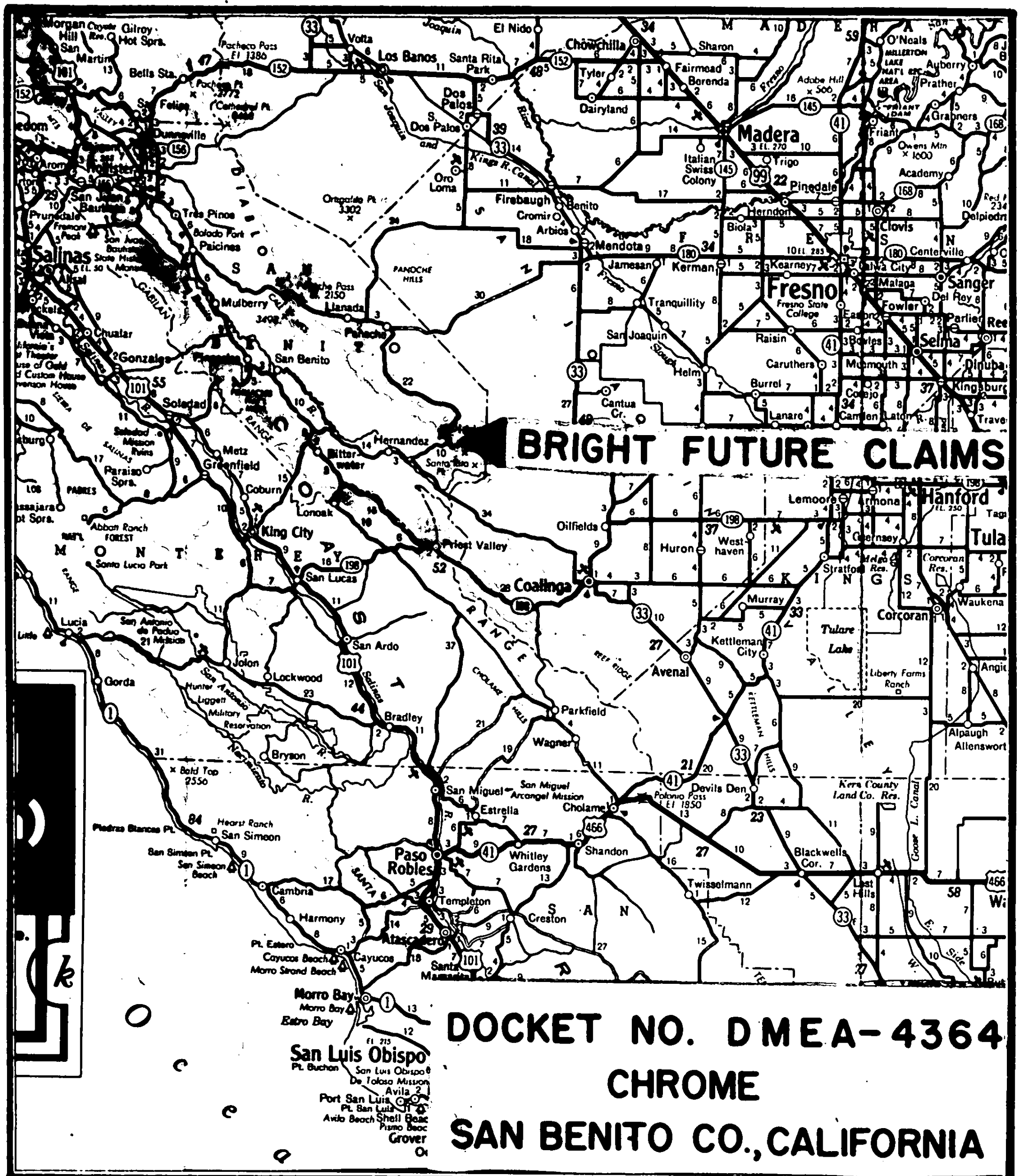

FIG. I **LOCATION MAP** **CALIFORNIA**

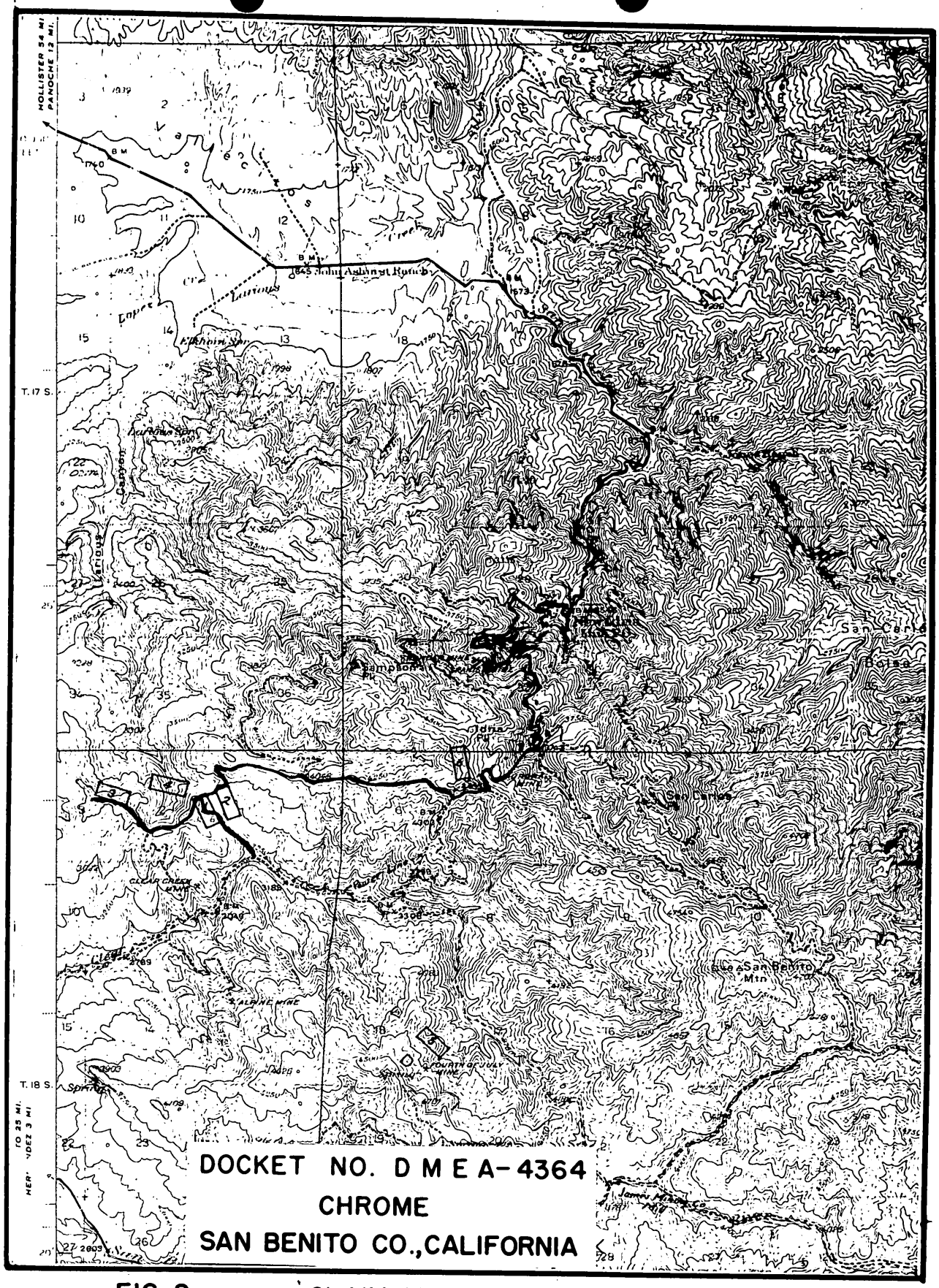

FIG. 2 CLAIM MAP CALIFORNIA

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[illegible] 1956

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

Re: Docket No. DMEA-4364, Chromite
Big Seven Mining Company
Bright Future Claims
San Benito County, California

Dear Mr. Ricker:

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

Copies of memoranda dated July 2 and 3, 1956, by Wilmer McInnis, Bureau of Mines, and N. E. Nelson, Geological Survey, respectively, relating to the project, are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

cc: Docket
Code 400
Oper. Committee
Adm. Read. File
Thor Kiilsgaard, USGS
Wilmer McInnis, USBM
FT, Region 2

TLChapman/ls
7/9/56

400

JUL 12 1956

400

Big Seven Mining Company
223 South C. Street
Lompoc, California

Re: Docket No. DMEA-4364, Chromite
Bright Future Claims
San Benito County, California

Gentlemen:

The above-docketed application for exploration assistance for chromium ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance that you can give the examining engineers will be appreciated.

Sincerely yours,

G. O. Mittendorf

Administrator

cc; Docket
Code 400
Adm. Read. File
Oper. Committee
Thor Kiilsgaard, USGS
Wilmer McInnis, USBM
FT, Region 2

TLChapman/ls
7/9/56

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JUL 3 - 1956

July 2, 1956

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: Wilmer McInnis, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Application
Docket DMEA 4364-Chromite
Big Seven Mining Company, Incorporated
223 South C. Street
Lompoc, California

Subject application for aid in the exploration of six chromite mining claims in San Benito County, California estimated to cost $9,035 appears to have merit which, in my opinion, warrants further investigation.

Since the application states that with the exception of one claim (Bright Future No. 1) only discovery work has been performed, I recommend that the application be referred to the Field Team for evaluation of the properties and recommendation.

Wilmer McInnis

IN REPLY REFER TO:

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

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JUL 5 - 1956

July 3, 1956

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Ref: DMEA 4364
Big Seven Mining Co.,
6-1 claim properties
San Benito Co., Calif.
9,035.00 - Chromite

Memorandum

To: [illegible] Martin, Defense Minerals Exploration Administration

From: N. [illegible] Nelson, U. [illegible] Geological Survey

Subject: Review of application.

The applicant requests assistance in exploring showings of high grade chromite on each of 6 noncontiguous claims and prospecting the vacant intervening ground. Presumably if, geologic mapping, bulldozing and prospecting of the vacant ground yielded other showings such ground would be staked.

About one-half of the work proposed would be prospecting. Also one-half of the miscellaneous charges would be in connection with such prospecting. No particulars as to the size of the showings are given but No. 1 claim is said to have had 30 days bulldozer work done upon it in 1953, and 80 tons of high grade chromite was produced.

Referral of the application to the Field Team for appropriate action is recommended.

NNelson:btr
G 7/3/56

N. S. Nelson

N. [illegible] Nelson

cc: W. McInnis
Director's reading file (4212)
Branch reading file (4212)
DMEA (3)
Chron. file
Docket file

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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.

McKinnis of BM returned this application 8/2/56

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. 4364
Metal or Mineral Chromite
Date Received JUN 28 1956
Estimated Cost $9035
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: Big Seven Mining Company Inc. 223 South C. Street Lompoc, California Incorporated in the State of California. President: Donald D. Houschmanter Vice President: Robert G. Hendy Secretary-Treasurer: Russel S. Fortin Addresses of Officers: 223 South C. St. 210 South D. St. 105 West Victory Lompoc, Cal.

(*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 Unpatented claims, Bright Future No's. 1-6 Inc. Sections 1 & 2 T10S R11E and Section 6 T10S R12E and Section 18 T10S R12E, New Idria Quadrangle, San Benito County, California. Also open land immediately adjacent to the above mentioned claims.

(*b*) State any mine name by which the property is known. None.

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

(*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. Not Applicable.

(*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 sheet.

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 attached sheet.

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

(*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. See attached sheet.

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

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

16—66551-1

See attached sheet.

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JUN 28 1956

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Chromite. Mill grade and some high grade direct shipping ore.

(*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 sheet.

(*c*) The work will start within 10 days and be completed within 6 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. See attached sheet.

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.). None.

(*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. See attached sheet.

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

(*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. See attached sheet.

(*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. None.

(*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. None.

(*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. See attached sheet.

(*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)? Yes.

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

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper. See attached sheet.

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 June 21, 1956

Big Seven Mining Company Inc.
(Applicant)

By Donald E. Neuschwander

Donald E. Neuschwander

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

REGISTERED MAIL

1(a) - Bright Future No. 1 Volume 222 Page 31 San Benito County Hollister, California
Bright Future No. 2 Volume 222 Page 33 San Benito County Hollister, California
Bright Future No. 3 Volume 224 Page 198 San Benito County Hollister, California
Bright Future No. 4 Volume 224 Page 200 San Benito County Hollister, California
Bright Future No. 5 Volume 224 Page 202 San Benito County Hollister, California
Bright Future No. 6 Volume 224 Page 204 San Benito County Hollister, California

4(a) - Bright Future No. 1 has had approximately 30 days of bulldozer work done on it in 1953 at which time we are told, 60 tons of high grade Chromite was mined by the James Mining Company. The other claims have only had the discovery work performed. The Big Seven Mining Company had no interest in any past production. The properties are accessable by county road from either Clear Creek or Idria

4(b) - No information is available except as mentioned in 4(a).

4(c) - The area consists of a large Peridotite intrusive consisting of Serpentine, Dunite and hydromagnesite with veins, stringers and pods of high grade Chromite. There are also larger amounts of low grade mill ore associated with the high grade veins and stringers.

We wish to thoroughly explore the area within our own claims and do an equal amount of exploration on adjoining open ground in order to obtain more claims. Each of our six claims has an outcrop of high grade Chromite and four of the claims also have mill grade ore associated with the high grade. All of these prospects should be thoroughly examined and evaluated. It is our understanding that the J. M. Nelson Quicksilver Mine and the James Mining Company mines all started from occurrences such as we have on our claims.

4(d) - Four of the claims are adjacent to county roads and the other two are within one mile of county roads. Coalinga is 13 miles and King City is 40 miles from the claims.

4(e) - Manpower is available within our own company; materials, supplies and equipment are available at Coalinga or Fresno. Water is available from Clear Creek all year. There is a power line in Clear Creek Canyon which would make an ideal future mill location.

5(b) - It is proposed to cut exploration pits, trenches and sample cuts on each of the six claims with a bulldozer under the direction of a Geologist. Experience in this district by others has shown a bulldozer to be the most effective equipment to do the exploration with. A hand man will also work with the bulldozer to do the fine work and prepare the trenches for sampling. Complete sampling and mapping of each claim and assays for Cr_2O_3, FeO and SiO_2 on each sample. The area will be geologically mapped in and around the claims in an attempt to determine a pattern of occurrence or some continuity to the deposit. Similar work will be carried on to a limited degree between the claims to obtain more information on occurrence.

5(d) - [illegible] a group of [illegible] Manufacture [illegible] equipment [illegible] property that [illegible] [illegible] the building of [illegible].

[illegible] Jones-Janville Products Corp. [illegible], Cal. [illegible] in Colorado.

Robert E. Hardy [illegible], Jones-Janville Products Corp. [illegible], Cal. [illegible] Company, [illegible], Virginia.

Leonard D. Fortin [illegible] Jones-Janville Products Corp. [illegible] Association of [illegible].

[illegible] Assistant Superintendent of [illegible], Jones-Janville Products Corp. [illegible], California. Former heavy equipment operator of power shovels.

[illegible] Jones-Janville Products Corp. [illegible], Cal. Former heavy equipment operator of power shovels and bulldozers.

[illegible] Jones-Janville Products Corp. [illegible], Cal. Former heavy equipment operator of power shovels and bulldozers.

[illegible] Underground Foreman, Jones-Janville Products Corp. [illegible], Cal. Former [illegible] and [illegible] equipment operator.

Source: [illegible] World Directory, page 169.

7(b) - The [illegible] will be met by supplying the [illegible] and [illegible] as well as all the bulldozer [illegible], land [illegible] and florist [illegible]. [illegible] cost of the equipment except the bulldozers.

[illegible]

6(b) - [illegible]:

[illegible] with [illegible] - 10 days [illegible] per day — [illegible]

[illegible] 10 days at [illegible] per day — [illegible]

[illegible] and [illegible] and [illegible] and [illegible] to [illegible] seven [illegible], [illegible] days [illegible] per day — [illegible]

[illegible] and [illegible] office work, 10 days at [illegible] per day — [illegible]

6(c) - [illegible] in [illegible] or [illegible] food and [illegible] [illegible].

6(d) - [illegible]:

[illegible] days [illegible] each [illegible] (6 [illegible]) and [illegible] 1 [illegible] of [illegible] [illegible] [illegible] and [illegible] to the [illegible] seven [illegible]. [illegible] is [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] at [illegible] [illegible] [illegible] — [illegible]

[illegible] — [illegible]

[illegible] [illegible]. [illegible] days [illegible] per day [illegible] [illegible] — [illegible]

[illegible] [illegible] [illegible] at [illegible] per [illegible] — [illegible]

6(f) - [illegible]:

[illegible] [illegible] [illegible], [illegible] and [illegible] [illegible] at [illegible] — [illegible]

[illegible] and [illegible] — [illegible]

Sub Total [illegible]

6(g) - [illegible]:

16% [illegible] — [illegible]

Total [illegible]

IN REPLY REFER TO:

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

RECEIVED
SEP 11 1956

September 7, 1956

Re: DMEA 4364
Big Seven Mining Co.
Bright Future Claims
San Benito Co., California
$9,035.00 - Chromite

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 exploring showings of good grade chromite ore on each of six noncontiguous claims and in prospecting the unstaked intervening ground.

Small pods and lenses of good grade chromite, in serpentine, were seen and sampled by the examiners. The lenses occur sporadically and contain as much as 90 tons, as shown by work in a cut on Bright Future No. 1 claim. Boulders of chromite occur in the weathered serpentine but no single showing offers a worthwhile target for exploratory work. Results obtained in bulldozer work suggest the value of material recovered is less than the cost of the work and by inference no better results are to be expected by similar work on known showings. Searching for other lenses would be prospecting in the opinion of the examiners.

The conclusions of the examiners appear justified, as is the recommendation of denial.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/7/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. McInnis, 3515

IN REPLY REFER TO:

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

RECEIVED
SEP 11 1956

September 7, 1956

Re: DMEA 4364
Big Seven Mining Co.
Bright Future Claims
San Benito Co., California
$9,035.00 - Chromite

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring showings of good grade chromite ore on each of six noncontiguous claims and in prospecting the unstaked intervening ground.

Small pods and lenses of good grade chromite, in serpentine, were seen and sampled by the examiners. The lenses occur sporadically and contain as much as 90 tons, as shown by work in a cut on Bright Future No. 1 claim. Boulders of chromite occur in the weathered serpentine but no single showing offers a worthwhile target for exploratory work. Results obtained in bulldozer work suggest the value of material recovered is less than the cost of the work and by inference no better results are to be expected by similar work on known showings. Searching for other lenses would be prospecting in the opinion of the examiners.

The conclusions of the examiners appear justified, as is the recommendation of denial.

I concur with the recommendation.

N. K. Nelson

N. K. Nelson

NKNelson:iml
G-9/7/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. McInnis, 3515

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

RECEIVED
SEP 10 1956

Date September 10, 1956

DMEA Docket No. 4304
DMEA Contract No.
Commodity Chrysotile
Name of applicant Big Seven Mining Co.
Name of property Bright Future Claims
Location of property San Benito County, Calif.
Estimated cost of project $9,035.00

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Acting Chief, Branch of Ferrous Metals
From: Wilmer Holmis, Branch of Ferrous Metals - Ferroalloys Ferralloys

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 8/30/56. 2. Date received by reviewer: 9/7/56

3. Prior reports on this property known to reviewer: Yes ☐, No ☒.

4. Prior reports on nearby properties known to reviewer: Yes ☐, No ☐.

5. Information available on past production: Yes ☒, No ☐.

6. Other pertinent factors known to reviewer: Yes ☐, No ☐.

7. Explain items marked yes above:
Applicant reported only minor past production from these claims.

8. Factors needing special consideration:
a. Location ☐
b. Ownership ☐
c. Evidence of mineralization ☐
d. Geology ☒
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs ☐
h. _____ ☐

9. Action advised:
a. Obtain information from applicant ☐
b. Refer to Field Team ☐
c. Denial ☐
d. Agree with Field Team ☐
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another examination ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary) In view of the Field Team Report that no target has been uncovered which to base an exploration program on and that the deposits are too small and widely distributed to mine economically, I concur with their recommendation.

Wilmer Holmis

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

RECEIVED
SEP 10 1956

Date September 10, 1956

DMEA Docket No. 4304
DMEA Contract No.
Commodity Chromite
Name of applicant Big Seven Mining Co.
Name of property Bright Future Claims
Location of property San Benito County, Calif.
Estimated cost of project $9,036.00

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Acting Chief, Branch of Ferrous Metals &
From: Wilmer McInnis, Branch of Ferrous Metals & Ferroalloys Ferralloys

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 8/30/56. 2. Date received by reviewer: 9/7/56

3. Prior reports on this property known to reviewers: Yes ☐, No ☒.

4. Prior reports on nearby properties known to reviewer: Yes ☐, No ☐.

5. Information available on past production: Yes ☒, No ☐.

6. Other pertinent factors known to reviewer: Yes ☐, No ☐.

7. Explain items marked yes above:
Applicant reported only minor past production from these claims.

8. Factors needing special consideration:
a. Location ☐
b. Ownership ☐
c. Evidence of mineralization ☐
d. Geology ☒
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs ☐
h. _____ ☐

9. Action advised:
a. Obtain information from applicant ☐
b. Refer to Field Team ☐
c. Denial ☐
d. Agree with Field Team ☐
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another examination ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary) In view of the Field Team Report that no target has been uncovered which to base an exploration program on and that the deposits are too small and widely distributed to mine economically, I concur with their recommendation.

Wilmer McInnis

400 Docket
Surname

Holt
Martin
Lamb
Kiilsgaard
Selfridge

Oct 2 1956

Big Seven Mining Company, Inc.
223 South G. Street
Lompoc, California

Re: Docket No. DMEA-436 - Chromite
Bright Future claims
San Benito County, California

Gentlemen:

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

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

Careful study of our information, although noting chromite mineralization on the Bright Future claims, indicates to us that the probability of disclosing minable chromite 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 program and for bringing this property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

SPHolt/esf 10/2/56
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT, REG. II
Messrs: WMcInnis, USBM
TKiilsgaard, USGS

R.G.R.

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

October 2, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $9,035.00
Docket No. DMEA-4364 - Chromite
Big Seven Mining Company, Inc.
Bright Future claims
San Benito County, California

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

(1) The applicant, Big Seven Mining Company, Inc., 223 South C Street, Lompoc, California, requested exploration assistance in the amount of $9,035.00 for bulldozer trenching and sampling on the Bright Future claims.

(2) The applicant owns six unpatented lode mining claims, situated in secs. 1, 2, and 3, T. 18 S., R. 11 E., sec. 31, T. 17 S., R. 12 E., and secs. 5, 6, 17, and 18, T. 18 S., R. 12 E., M.D.B. and M., in the Diablo Range, San Benito County, California, and recorded in the County Recorder's Office at Hollister, California, as follows:

Claim Name	Volume	Page
Bright Future No. 1	222	31
" " " 2	222	33
" " " 3	224	198
" " " 4	224	200
" " " 5	224	202
" " " 6	224	204

(3) The proposed program is to explore the chromite deposits on the Bright Future claims by bulldozing trenches and pits, and sampling and assaying any chromite occurrences uncovered.

(4) In the area of the Bright Future claims chromite occurs as small fragments of chromite float and erratically scattered pods and disseminations of chromite in serpentinized peridotite.

(5) The Field Team concludes that the chromite deposits on the Bright Future claims are too small and too widely scattered to be mined economically, that no target has been uncovered on which to base an exploration program, that the probability of making a significant discovery is small, and therefore recommends that the application for DMEA assistance be denied. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

W S Martin

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

Docket
Surname
Holt
Martin

October 2, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $9,035.00
Docket No. DMEA-434 - Chromite
Big Seven Mining Company, Inc.
Bright Future claims
San Benito County, California

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

(1) The applicant, Big Seven Mining Company, Inc., 223 South C Street, Lompoc, California, requested exploration assistance in the amount of $9,035.00 for bulldozer trenching and sampling on the Bright Future claims.

(2) The applicant owns six unpatented lode mining claims, situated in secs. 1, 2, and 3, T. 18 S., R. 11 E., sec. 31, T. 17 S., R. 12 E., and secs. 5, 6, 17, and 18, T. 18 S., R. 12 E., M.D.B. and M., in the Diablo Range, San Benito County, California, and recorded in the County Recorder's Office at Hollister, California, as follows:

Claim Name	Volume	Page
Bright Future No. 1	222	31
" " " 2	222	33
" " " 3	224	198
" " " 4	224	200
" " " 5	224	202
" " " 6	224	204

(3) The proposed program is to explore the chromite deposits on the Bright Future claims by bulldozing trenches and pits, and sampling and assaying any chromite occurrences uncovered.

(4) In the area of the Bright Future claims chromite occurs as small fragments of chromite float and erratically scattered pods and disseminations of chromite in serpentinized peridotite.

(5) The Field Team concludes that the chromite deposits on the Bright Future claims are too small and too widely scattered to be mined economically, that no target has been uncovered on which to base an exploration program, that the probability of making a significant discovery is small, and therefore recommends that the application for DMEA assistance be denied. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

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

SPHolt/esf
10/2/56
cc: Docket ✓
Admr. R. File
Code 400
Oper. Committee

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

RECEIVED
SEP 10 1956

WSM

Date September 10, 1956

Copy retained 400

DMEA Docket No. 4364
DMEA Contract No.
Commodity Chromite
Name of applicant Big Seven Mining Co.
Name of property Bright Future Claims
Location of property San Benito County, Calif.
Estimated cost of project $9,035,00

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA HR.
Through: Acting Chief, Branch of Ferrous Metals & Ferralloys

From: Wilmer McInnis, Branch of Ferrous Metals & Ferroalloys

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 8/30/56. 2. Date received by reviewer: 9/7/56

3. Prior reports on this property known to reviewer: Yes [ ], No [x].

4. Prior reports on nearby properties known to reviewer: Yes [ ], No [ ].

5. Information available on past production: Yes [x], No [ ].

6. Other pertinent factors known to reviewer: Yes [ ], No [ ].

7. Explain items marked yes above:
Applicant reported only minor past production from these claims.

8. Factors needing special consideration:
a. Location [ ]
b. Ownership [ ]
c. Evidence of mineralization [ ]
d. Geology [x]
e. Proposed exploration method [ ]
f. Alternate exploration method [ ]
g. Costs [ ]
h. _____ [ ]

9. Action advised:
a. Obtain information from applicant [ ]
b. Refer to Field Team [ ]
c. Denial [ ]
d. Agree with Field Team [ ]
i. Consult with Mr. _____ at _____ AEC office.
e. Disagree with Field Team [ ]
f. Suggest alternate plan [ ]
g. Request another examination [ ]
h. Approval [ ]

10. Remarks: (Use back of page if necessary) In view of the Field Team Report that no target has been uncovered which to base an exploration program on and that the deposits are too small and widely distributed to mine economically, I concur with their recommendation.

Wilmer McInnis
Wilmer McInnis

Pocket

IN REPLY REFER TO:

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

RECEIVED
SEP 11 1956

September 7, 1956

Re: DMEA 4364
Big Seven Mining Co.
Bright Future Claims
San Benito Co., California
$9,035.00 - Chromite

WBM

Memorandum

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

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

Subject: Review of Field Team report.

Copy retained 400

The applicant requested assistance in exploring showings of good grade chromite ore on each of six noncontiguous claims and in prospecting the unstaked intervening ground.

Small pods and lenses of good grade chromite, in serpentine, were seen and sampled by the examiners. The lenses occur sporadically and contain as much as 90 tons, as shown by work in a cut on Bright Future No. 1 claim. Boulders of chromite occur in the weathered serpentine but no single showing offers a worthwhile target for exploratory work. Results obtained in bulldozer work suggest the value of material recovered is less than the cost of the work and by inference no better results are to be expected by similar work on known showings. Searching for other lenses would be prospecting in the opinion of the examiners.

The conclusions of the examiners appear justified, as is the recommendation of denial.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

DMEA Docket

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

1605 Evans Avenue
Reno, Nevada

August 31, 1956

Memorandum

WSM

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4364 (Chromite)
Big Seven Mining Company
Bright Future Claims
San Benito County, California
(Your letter, July 12, 1956)

Attached are four copies of a report on subject property by D. B. Tatlock, Geological Survey, and Walter Bank, Bureau of Mines, recommending that application for DMEA exploration aid be denied.

Roscoe Smith and I concur in the recommendation.

S. Ricker
Executive Officer

Attach.

Reviewed by
DMEA OPERATING COMMITTEE
9-7-56
(date)

BUREAU OF MINES
WASHINGTON, D. C.

SEP 4 1 14 PM '56

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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-4364 (Chromium)
Big Seven Mining Company, Inc.
Bright Future Claims
San Benito County, California

By

Walter Bank
U. S. Bureau of Mines

D. B. Tatlock
U. S. Geological Survey

August 30, 1956

Reviewed by
DMEA OPERATING COMMITTEE
9-7-56
(date)

INTRODUCTION

Mr. Donald E. Neuschwander, president of the Big Seven Mining Company, Inc., 223 South C Street, Lompoc, California, applied for Government assistance in a $9,035.00 program under the Defense Minerals Exploration Administration, docket DMEA-4364, to explore for chrome on the Bright Future claims, San Benito County, California. The applicant proposes to explore the claims by trenching.

A field examination was requested by the Operating Committee in a letter dated July 12, 1956, and was made by Walter Bank, U. S. Bureau of Mines, and D. B. Tatlock, U. S. Geological Survey, on July 31, 1956, accompanied by Messrs. R. G. Hendy and O. C. Benedict, representing the applicant.

Inasmuch as the applicant's six non-contiguous claims are widely scattered over an almost homogeneous mass of serpentinized peridotite, and the only workings consist of shallow bulldozer trenches, no attempt was made by the field examiners to map the property. Three samples were taken from Claim No. 3 to check the grade of the ore.

CONCLUSIONS AND RECOMMENDATIONS

The Bright Future claims contain small fragments of chromite float and erratically distributed pods and disseminations of chromite in serpentine. The deposits are too small and too widely scattered to be mined economically. No target has been uncovered on which to base an exploration program and the probability of a significant discovery is small.

It is recommended that Government assistance be denied.

LOCATION, ACCESSIBILITY AND LOCAL FACILITIES

The Bright Future claims are located in secs. 1, 2, and 3, T. 18 S., R. 11 E., secs. 5 and 6, T. 18 S., R. 12 E.; sec. 31, T. 17 S., R. 12 E.; and secs. 17 and 18, T. 18 S., R. 12 E., M.D.B&M., in the Diablo Range, San Benito County, California (fig. 1), at an altitude ranging from 3350 to 4700 feet.

To reach Bright Future No. 3 claim, start from New Idria General Store, proceed along the county gravel road towards King City 3.5 miles; turn right on dirt road and continue 1.4 miles; turn right and continue 3.6 miles past the Knepper mercury operation; turn right and go 0.5 mile to the open cuts. This route will cross or pass near claims 1, 2, 4 and 6.

The steep,dirt roads are dusty in dry weather, but can be traversed in part by a passenger car. These roads are impassable in wet weather, and require about three days to dry out.

The James Mining Company Mill (San Benito Mill) is 8 miles from the No. 3 claim. Idria, California, is the nearest source of labor and supplies. Water is available from Clear Creek and San Benito Creek.

HISTORY, PRODUCTION, PROPERTY AND OWNERSHIP

Number 1 claim was located by Prindle in 1952, and leased to the James Mining Company which removed 90 tons of high-grade ore in 1953. The claim was abandoned, and relocated by the Big Seven Mining Company. Other claims were located by the applicants who produced 45 to 50 tons of ore, grade unknown, from claim No. 3.

The Big Seven Mining Company is composed of seven men, all of whom are experienced in some phase of mining or construction work.

Property consists of six claims recorded in Hollister, San Benito County, California, as follows:

Bright	Future	No. 1	Vol. 222	Page 31
"	"	No. 2	222	33
"	"	No. 3	224	198
"	"	No. 4	224	200
"	"	No. 5	224	202
"	"	No. 6	224	204

DEVELOPMENT

A cut on Bright Future No. 1 claim yielded 90 tons of high-grade ore, and represents approximately 30 days of bulldozing work. No. 3 claim is producing ore from a hillside bench; two other benches have chromite showings. The four remaining claims have assessment work completed. Chromite pods, 1 to 2 feet in diameter, are exposed in dozer cuts on No. 2 claim, and the surface carries residual chromite.

Four miles of road were constructed to connect the property with the James Mining Co. mill.

A TD24 dozer and a 6-ton Walter truck are borrowed or rented from J. R. Holman. A Fordson, 3/4-yard skiploader is also available. A camp on Clear Creek is located on a potential millsite.

GENERAL GEOLOGY

The Bright Future claims are in the northwestern part of a large oval body of strongly sheared and serpentinized peridotite about 12 miles long and 4 miles wide.[1] The peridotite is bounded

1/ Eckel, Edwin B., and Myers, W. B., 1946, Quicksilver deposits of the New Idria district, San Benito and Fresno Counties, California: Calif. Jour. of Mines and Geol., Vol. 42, No. 2, pp. 81-124.

by the Franciscan formation of probable Cretaceous age and locally by the Panoche formation of Late Cretaceous age. Most of the body has been deeply weathered and erosion has removed large quantities of the soft crumbly serpentine. Small pods and lenses of chromite contained in the serpentine are more resistant to weathering and have been concentrated locally by this erosion.

ORE DEPOSITS

Chromite, the only ore mineral seen, occurs as granules, nodules, and boulders residually concentrated in serpentine debris and in irregular pod-like bodies containing from a few pounds to several tons of ore each. The chief gangue material is serpentine, thin films of bright green chrome garnet (uvarovite) and pink chrome-bearing chlorite (kammererite) occur in fractures in, and as coatings on, the chromite nodules.

About 45 tons of serpentine containing disseminated chromite granules and about 3 tons of chromite boulders as much as 10 inches in diameter were recovered from about 600 cubic yards of serpentine debris bulldozed from the Bright Future No. 3 claim. The massive ore is stockpiled on the claim and the disseminated ore has not yet been milled. There has been no production by the present operator from the other five claims and only a few pounds of chromite can be seen on each of these claims.

SAMPLING

Chromite float and leads in bulldozed trenches were noted. Three samples were collected at Bright Future No. 3 claim, but the other showings were too insignificant to sample.

Sample No.	Width/ft.	%, Cr_2O_3	Remarks
B-14	3.6	26.70	Across seam in floor of cut, No. 3 claim
B-15	2.3	28.60	Across seam or pod in wall of dozer cut, No. 3 claim, 15 ft. south of B-14.
B-16	Grab	47.52	From 3-ton stockpile of high-grade (?); 1/2 of stockpile from cut, 1/2 from residual boulders.

ORE RESERVES

There are no measured or indicated reserves of chrome ore on the Bright Future claims. Inferred ore reserves may total a few tons in pod-like bodies sporadically distributed in the serpentine debris.

The chromite pods that constitute the target of the exploration are so small and erratically distributed that the cost of any type of surface or subsurface exploration is almost certain to exceed the value of the ore found.

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SEP - 4 1956

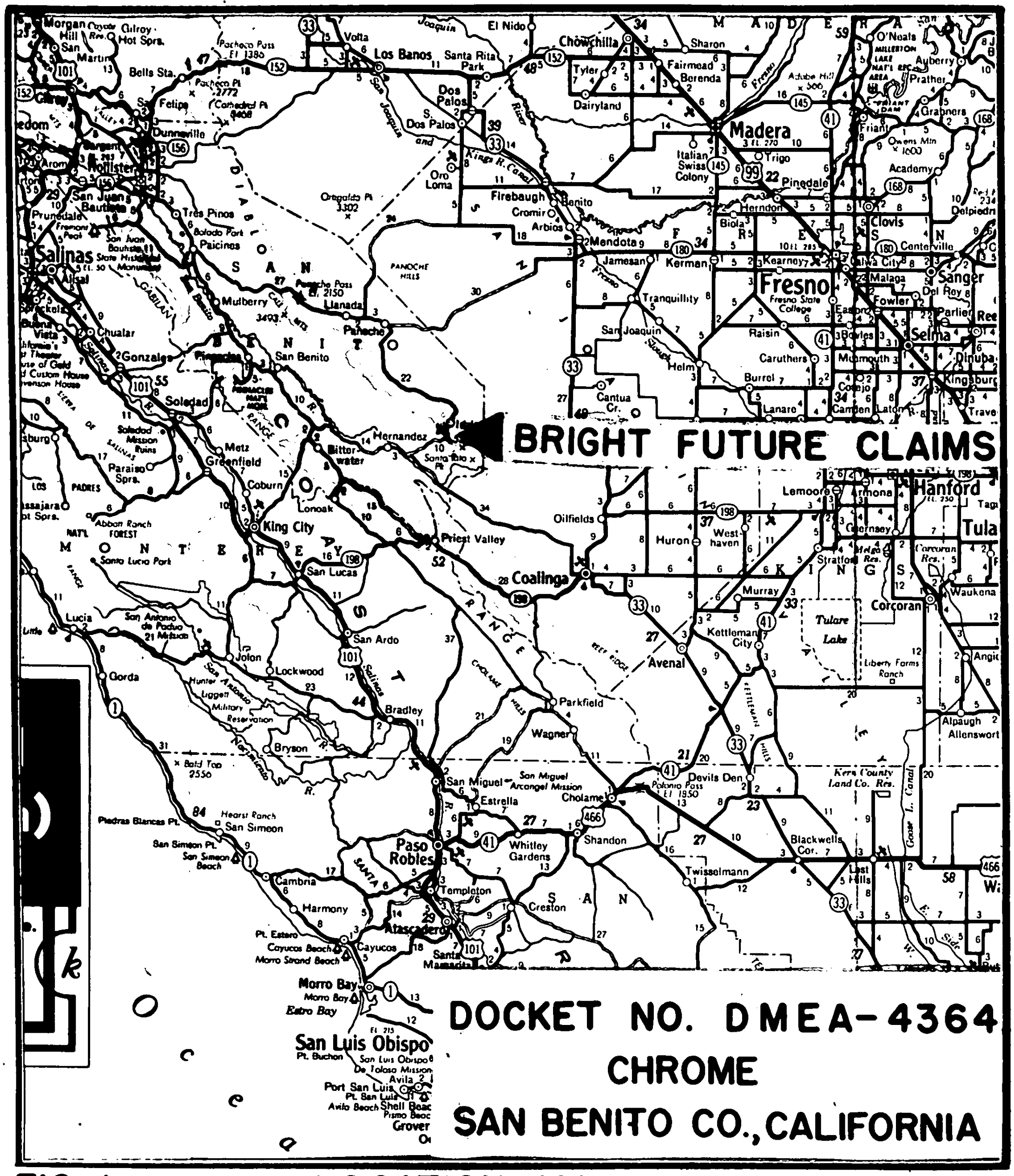


FIG. I LOCATION MAP CALIFORNIA

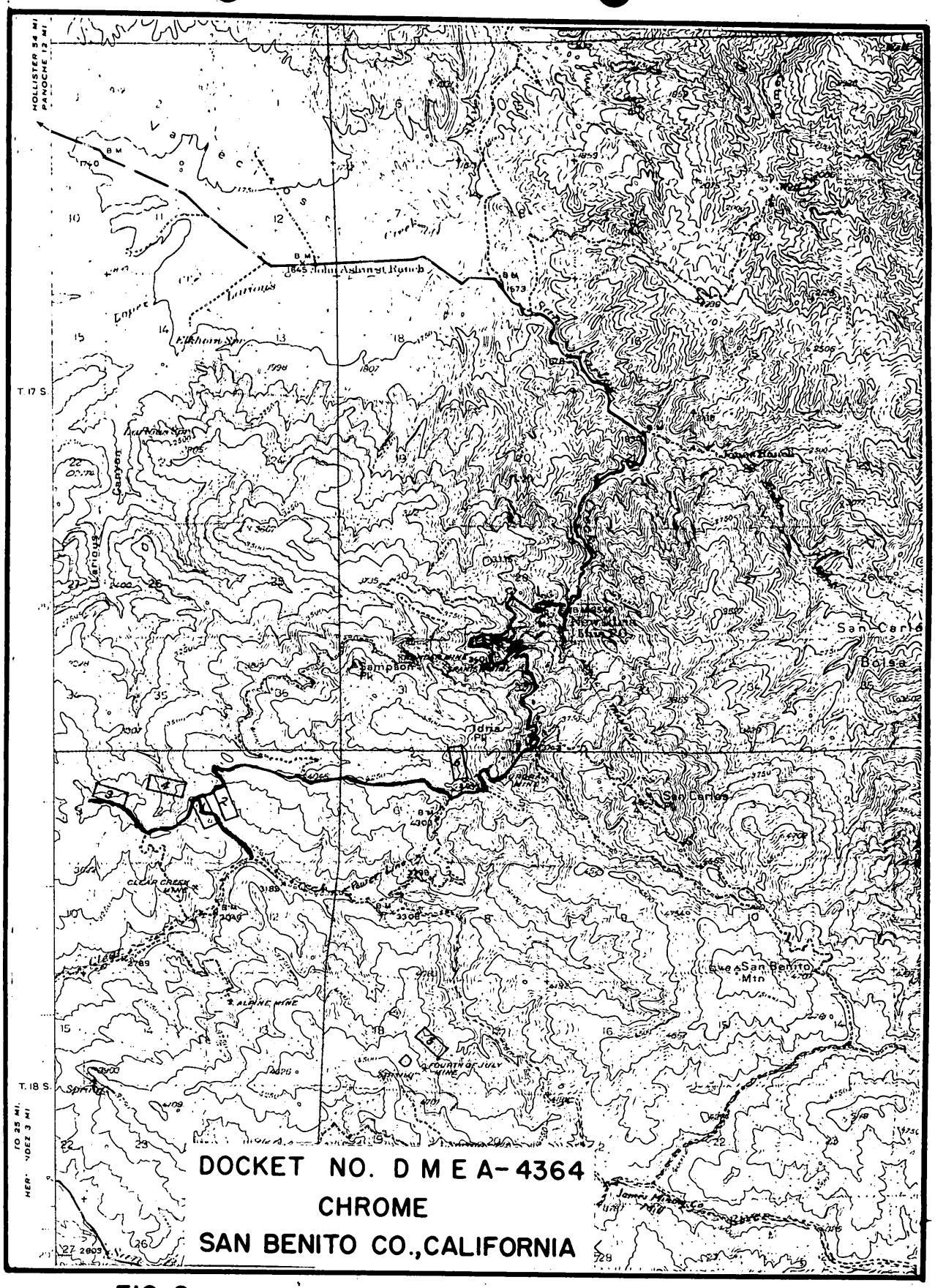


FIG. 2 CLAIM MAP CALIFORNIA

400

Docket
Holt
Chapman
Selfridge
E. Jensen.

JUL 12 1956

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

Re: Docket No. DMEA-4364, Chromite
Big Seven Mining Company
Bright Future Claims
San Benito County, California

Dear Mr. Ricker:

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

Copies of memoranda dated July 2 and 3, 1956, by Wilmer McInnis, Bureau of Mines, and N. E. Nelson, Geological Survey, respectively, relating to the project, are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

/s/ Robert W. Geehan (RWG)
Member, Bureau of Mines

Thor H. Kiilsgaard (THK)
Member, Geological Survey

cc: Docket
Code 400
Oper. Committee
Adm. Read. File
Thor Kiilsgaard, USGS
Wilmer McInnis, USBM
FT, Region 2

TLChapman/ls
7/9/56

R.C.S.

400

Docket
Holt
Chapman
Killsgaard
Geehan
Selfridge
Johnson
Mittendorf

JUL 12 1956

Big Seven Mining Company
223 South C. Street
Lompoc, California

Re: Docket No. DMEA-4364, Chromite
Bright Future Claims
San Benito County, California

Gentlemen:

The above-docketed application for exploration assistance for chromium ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance that you can give the examining engineers will be appreciated.

Sincerely yours,

G. O. Mittendorf

Administrator

cc; Docket
Code 400
Adm. Read. File
Oper. Committee
Thor Kiilsgaard, USGS
Wilmer McInnis, USBM
FT, Region 2

TLChapman/ls
7/9/56

R.C.L.

Docket

IN REPLY REFER TO:

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

RECEIVED
JUL 5 - 1956

July 3, 1956

Copy retained 400

Copy retained 400

Re: DMEA 4364
Big Seven Mining Co.,
6-1 claim properties
San Benito Co., Calif.
$9,035.00 - Chromite

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring showings of high grade chromite on each of 6 noncontiguous claims and prospecting the vacant intervening ground. Presumedly if, geologic mapping, bulldozing and prospecting of the vacant ground yielded other showings such ground would be staked.

About one-half of the work proposed would be prospecting. Also one-half of the miscellaneous charges would be in connection with such prospecting. No particulars as to the size of the showings are given but No. 1 claim is said to have had 30 days bulldozer work done upon it in 1953, and 80 tons of high grade chromite was produced.

Referral of the application to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

Docket

RECEIVED

JUL 3 - 1956

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

July 2, 1956

Copy retained

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: Wilmer McInnis, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Application
Docket DMEA 4364-Chromite
Big Seven Mining Company, Incorporated
223 South C. Street
Lompoc, California

Subject application for aid in the exploration of six chromite mining claims in San Benito County, California estimated to cost $9,035 appears to have merit which, in my opinion, warrants further investigation.

Since the application states that with the exception of one claim (Bright Future No. 1) only discovery work has been performed, I recommend that the application be referred to the Field Team for evaulation of the properties and recommendation.

Wilmer McInnis

Wilmer McInnis

RMEa

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

1605 Evans Avenue
Reno, Nevada

June 27, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application - Chromite
Big Seven (7) Mining Company Inc.
Bright Future Claims
San Benito County, California

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

S. Ricker

Attach.

RECEIVED
JUN 29 1956

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

1605 Evans Avenue
Reno, Nevada

June 27, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application - Chromite
Big Seven (7) Mining Company Inc.
Bright Future Claims
San Benito County, California

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

S. Ricker

Attach.

SRicker:gh
cc: R. M. Smith
File

RECEIVED
JUN 28 1956

June 29, 1956

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
- 4364 Big Seven Mining Company, Inc.

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

June 29, 1956

Big Seven Mining Co.,Inc.
223 South C. Street
Lompoc, California

Subject: DMEA 4364
Re: Exploration Assistance

Gentlemen

The receipt of your application dated June 21, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 4364 and referred to the Iron & Ferro-Alloy 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

00932

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 4364
Metal or Mineral Chromite
Date Received JUN 28 1956
Estimated Cost $9,035
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: Big Seven Mining Company Inc. 223 South C. Street Lompoc, California Incorporated in the State of California. President: Donald E. Neuschwander Vice President: Robert G. Hendy Secretary-Treasurer: Russel E. Fortin Addresses of Officers: 223 South C. St. 218 South D. St. 405 West Hickory Lompoc, Cal.

(*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 Unpatented claims, Bright Future No's. 1-6 Inc. Sections 1 & 2 T18S R11E and Section 6 T18S R12E and Section 18 T18S R12E, New Idria Quadrangle, San Benito County, California. Also open land immediately adjacent to the above mentioned claims.

(*b*) State any mine name by which the property is known. None.

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

(*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. Not Applicable.

(*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 sheet.

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 attached sheet.

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

(*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. See attached sheet.

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

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

16—66551-1

See attached sheet.

RECEIVED
JUN 28 1956

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Chromite. Mill grade and some high grade direct shipping ore.

(*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 sheet.

(*c*) The work will start within 10 days and be completed within 6 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. See attached sheet.

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.). None.

(*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. See attached sheet.

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

(*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. See attached sheet.

(*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. None.

(*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. None.

(*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. See attached sheet.

(*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)? Yes.

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

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper. See attached sheet.

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 June 21, 1956

Big Seven Mining Company Inc.
(Applicant)

By Donald E. Neuschwander

Donald E. Neuschwander

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

INSTRUCTIONS IN DETAIL

1(f) - Bright Future No. 1 Volume 222 Page 31 San Benito County Hollister, California
Bright Future No. 2 Volume 222 Page 33 San Benito County Hollister, California
Bright Future No. 3 Volume 224 Page 198 San Benito County Hollister, California
Bright Future No. 4 Volume 224 Page 200 San Benito County Holister, California
Bright Future No. 5 Volume 224 Page 202 San Benito County Hollister, California
Bright Future No. 6 Volume 224 Page 204 San Benito County Hollister, California

4(a) - Bright Future No. 1 has had approximately 30 days of bulldozer work done on it in 1953 at which time we are told, 8o tons of high grade Chromite was mined by the James Mining Company. The other claims have only had the discovery work performed. The big Seven Mining Company had no interest in any past production. The properties are accessable by county road from either Clear Creek or Idria

4(b) - No information is available except as mentioned in 4(a).

4(c) - The area consists of a large Peridotite intrusive consisting of Serpenting, Dunite and hydromagnesite with veins, stringers and pods of high grade Chromite. There are also larger amounts of low grade mill ore associated with the high grade veins and stringers.

We wish to thoroughly explore the area within our own claims and do an equal amount of exploration on adjoining open ground in order to obtain more claims. Each of our six claims has an outcrop of high grade Chromite and four of the claims also have mill grade ore associated with the high grade. All of these prospects should be thoroughly examined and evaluated. It is our understanding that the J. R. Holman Mistake Mine and the James Mining Company mines all started from occurrences such as we have on our claims.

4(d) - Four of the claims are adjacent to county roads and the other two are within one mile of county roads. Coalinga is 43 miles and King City is 40 miles from the claims.

4(e) - Manpower is available within our own company; materials, supplies and equipment are available at Coalinga or Fresno. Water is available from Clear Creek all year. There is a power line in Clear Creek Canyon which would make an ideal future mill location.

5(b) - It is proposed to cut exploration pits, trenches and sample cuts on each of the six claims with a bulldozer under the direction of a Geologist. Experience in this district by others has shown a bulldozer to be the most effective equipment to do the exploration with. A hand man will also work with the bulldozer to do the fine work and prepare the trenches for sampling. Complete sampling and mapping of each claim and assays for Cr_2O_3, FeO and SiO_2 on each sample. The area will be geologically mapped in and around the claims in an attempt to determine a pattern of occurrence or some continuity to the deposit. Similar work will be carried on to a limited degree between the claims to obtain more information on occurrence.

5(d) - The Big Seven Mining Company was formed by a group of Seven Mining Supervisors and Technical men determined to obtain and operate a mining property that would fully utilize the abilities of the group.

Donald E. Neuschwander Mine Engineer, Johns-Manville Products Corp. Lompoc, Cal. Former highway construction and Uranium Mining in Colorado.

Robert G. Hendy Mining Geologist, Johns-Manville Products Corp. Lompoc, Cal. Former Mill Foreman, General Chemical Company, Galax, Virginia

Russell E. Fortin Project Engineer for General Engineering Department of Johns-Manville Corp. Former Consultant to Mine Managers Association of Canada.

E. W. Hodges Assistant Superintendent of Quarries & Mines, Johns-Manville Products Corp. Lompoc, California. Former heavy equipment operator of power shovels.

O. C. Benedict General Quarry Formman, Johns-Manville Products Corp. Lompoc, Cal. Former heavy equipment operator of power shovels and bulldozers.

H. N. Paaske Quarry shift Foreman, Johns-Manville Products Corp. Lompoc, Cal. Former heavy equipment operator of power shovels and bulldozers.

E. L. Sechrest Underground Foreman, Johns-Manville Products Corp. Lompoc, Cal. Former underground haulage and crushing equipment operator.

Refer: 1956 Mining World Directory, page 160.

7(b) - Our share of the costs will be met by supplying the Geologic and Engineering consulting as well as all the bulldozer operator time, hand labor and clerical work. Also we intend to provide most of the equipment except the bulldozer.

DMEA PROPOSED CONTRACT

6(b) - Labor, Supervision & Consultants:

Geologist time with bulldozer on Big Seven claims - 18 days @ $50.00 per day	$900.00
Miscellaneous hand labor with bulldozer on Big Seven claims 18 days at $16.00 per day	288.00
Geologic Field Examination and evaluation of open ground between and adjacent to big Seven claims, 18 days @ $50.00 per day	900.00
Engineering and Mapping office work, 18 days at $50.00 per day	900.00

6(c) - Included in bulldozer rental fees and consulting fees.

6(d) - Operating Equipment:

TD-24 bulldozer time: Three days work on each claim(6 claims) and an equal amount of time exploring ground in between and adjacent to the big Seven claims. Operators time is included. Three times six plus three times six times $14.00 per hour times 8 hours	4032.00
Bulldozer move in and move out charge	150.00
Vehicle mileage and expense. 36 days times 50 miles per day times $0.08 per mile	144.00
Trailer rental for seven weeks at $30.00 per week	210.00

6(g) - Miscellaneous:

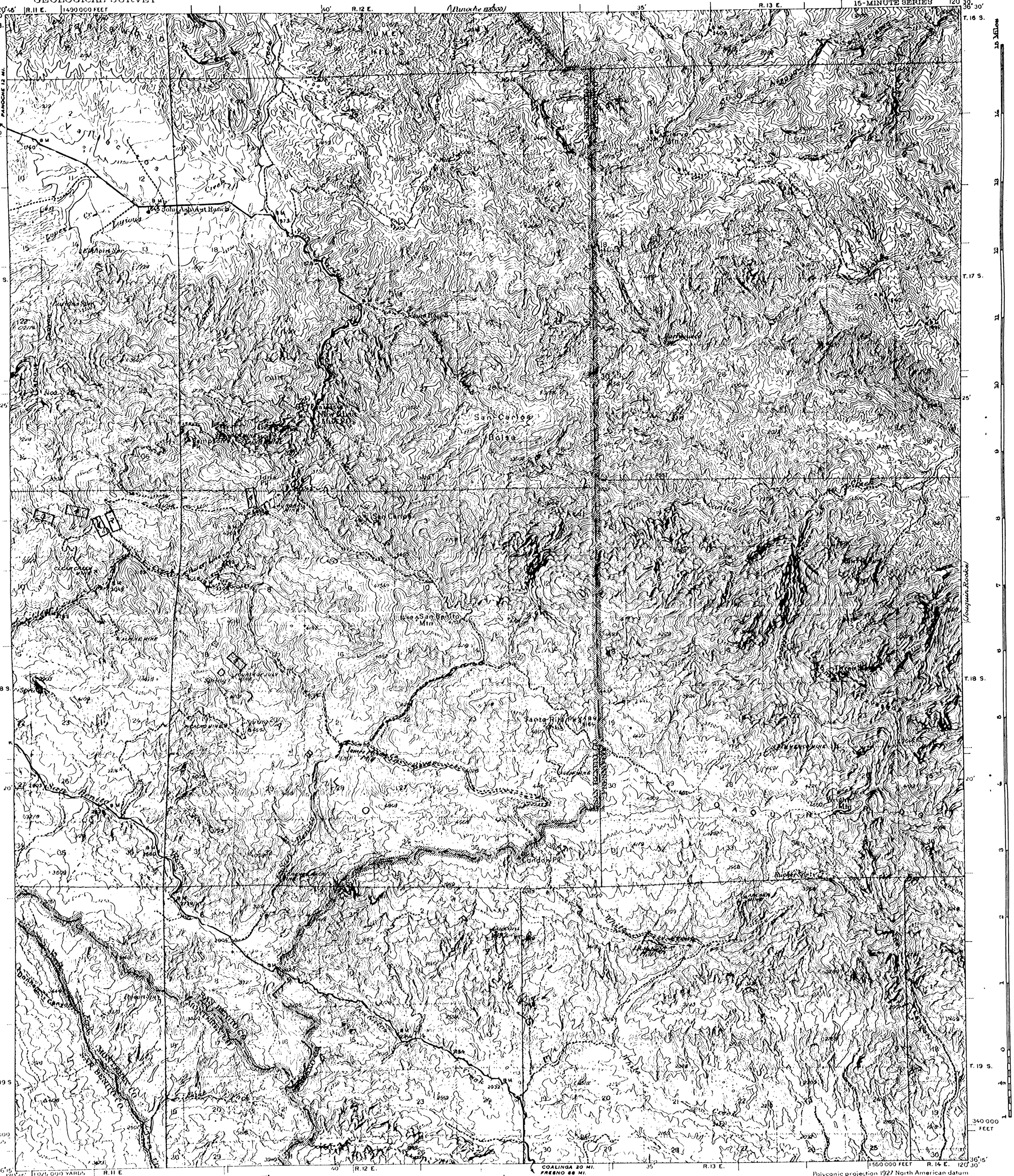
Assays on 36 samples for Cr203, FeO and Si02 times $15.00	540.00
Bookkeeping and clerical work	150.00
Sub Total	$ 8214.00

6(h) - Contingencies:

10% Contingency	821.00
Total	$9035.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CALIFORNIA
NEW IDRIA QUADRANGLE (Levis area)
15-MINUTE SERIES



Topography by W R Chenoweth and L O Newsome
Surveyed in 1939 1940

APPROXIMATE MEAN DECLINATION 1940

Scale 1/62500

Contour interval 50 feet
Datum is mean sea level

Polyconic projection 1927 North American datum
5000 yard grid based on U.S. zone system, G
10000 foot grid based on California (4)
rectangular coordinate system

ROUTES USUALLY TRAVELED
HARD IMPERVIOUS SURFACES
OTHER SURFACE IMPROVEMENTS
U. S. ROUTE 1943
STATE ROUTE

NEW IDRIA, CALIF.
Edition of 1943

N3615-W12030/15