DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4769

Application
- [X] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [X] Owner's Consent to Lien and Subordination Agreement
- [X] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [X] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. 1 : Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

Drilling Rec
OCC

17963

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

July 29, 1957

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4769 (Fluorspar)
Johnson and Maxfield
Lawrence Fluorspar Prospect
Inyo County, California

Enclosed are the original and four copies of Consent to Lien and Subordination Agreement relative to above subject.

S. Ricker

Attachments

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 31 1957

DATE	INITIALS	CODE
7/31	C	220
7/31	Stark	600

MF-205
(Combines and supercedes MF-201 [illegible] MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

RECEIVED JUL 31 1956 D.M.E.A.

To the United States of America:

Referring to that certain land in the County of Inyo State of California, described as follows: 2/ Recorded in the Office of the County Recorder at Independence, California, at the volume and page numbers indicated below:

Claim	Date of Location	Volume No.	Page No.
Plata Belleza	October 27, 1950	61	221
Plate Belleza	September 2, 1952	65	192
Plata Belleza	September 2, 1952	65	194

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

NONE

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: NONE (State "None" or "See Annex No.____")

Dated this 1st day of July, 1957.

P M Lawrence	[Seal]	P.O. Box 92 Lone Pine, Calif	[Address]
Elizabeth K Lawrence	[Seal]	same	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

RECEIVED
JUL 31 1957
D.M.E.A.

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

CONSENT TO LIEN and SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Inyo, California, Recorded in the Office of the County Recorder at Independence, California, at the volume and page numbers indicated below:

_____, described as follows: 2/

Claim	Date of Location	Volume No.	Page No.
Plata Belloza	October 27, 1950	61	221
Plata Belloza	September 2, 1952	65	192
Plata Belloza	September 2, 1952	65	194

_____,
which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

NONE

_____

_____

_____

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: NONE (State "None" or "See Annex No.____")

Dated this 1st day of July, 1957.

P A Lawrence	[Seal]	P.O. Box 292 Lone Pine Calif	[Address]
Elizabeth K Lawrence	[Seal]	same	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED
JUL 31 1957
D.M.E.A.

CONSENT TO LIEN and SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Inyo, California, described as follows: 2/ ~~Recorded in the Office of the County Recorder at Independence, California, at the volume and page numbers indicated below:~~

Claim	Date of Location	Volume No.	Page No.
Plata Bollora	October 27, 1950	61	221
Plata Bollora	September 2, 1952	65	142
Plata Bollora	September 2, 1952	65	143

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

NONE

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: NONE (State "None" or "See Annex No.____")

Dated this 1st day of July, 1957.

J M Lawrence	[Seal]	P O Box 191 Lone Pine, Calif.	[Address]
Elizabeth K Lawrence	[Seal]	Same	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED
JUL 31 1957
D.M.E.A.

CONSENT TO LIEN and SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Inyo, State of California, described as follows: 2/ ~~Located in the office of the County Recorder at Independence, California, at the~~ ~~volume and page numbers indicated below:~~

~~Book~~	~~Date of Location~~	~~Volume No.~~	~~Page No.~~
~~Photo Bulova~~	~~October 27, 1952~~	~~61~~	~~[illegible]~~
~~Photo Bulova~~	~~September 2, 1952~~	~~69~~	~~1,2~~
~~Photo Bulova~~	~~September 2, 1952~~	~~69~~	~~1,5~~

_____,

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

NONE

_____

_____

_____

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: 8008 (State "None" or "See Annex No.____")

Dated this 20th day of July, 1957.

P. A. Lawrence	[Seal]	P.O. Box 292 Lone Pine, Calif.	[Address]
Elizabeth K. Lawrence	[Seal]	same	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED
JUL 31 1957
D.M.E.A.

CONSENT TO LIEN and SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Kern, State of California, described as follows: 2/ Recorded in the Office of the County Recorder of Bakersfield, California, of the volume and page numbers indicated below:

Book Volume	Date of Recordation	Page	Line
Kern Volume	October 27, 1952	65	[illegible]
Kern Volume	October 8, 1952	65	3,2
Kern Volume	October 8, 1952	65	[illegible]

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: NONE (State "None" or "See Annex No.____")

Dated this 20th day of July, 1957.

P. A. Lawrence	[Seal]	P.O. Box 292 - Lone Pine, Calif.	[Address]
Elizabeth K Lawrence	[Seal]	same	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 27 1957

DATE	INITIALS	CODE

June 25, 1957

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Fluorspar)
Walter W. Johnson & Wm. M. Maxfield
Lawrence Fluorspar Prospect
Inyo County, California

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

S. Ricker

Encls.

WALTER W. JOHNSON COMPANY
DESIGNERS AND BUILDERS
BUCKET DREDGES SUCTION DREDGES
PLACER MINING MACHINERY
141 BATTERY STREET
SAN FRANCISCO 11, CALIFORNIA
TELEPHONE: SUTTER 1-4537
CABLE ADDRESS: RETLAW

June 21, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 27 1957

DATE	INITIALS	CODE

Defense Minerals Exploration Administration
c/o United States Bureau of Mines
Reno, Nevada

Dear Sirs:

We are enclosing herewith original and three copies of data supporting our application for aid in a fluorite exploration project, known as the Lawrence Fluorite Prospect, more definitely described as Plata Balaza Claims, Numbers One, Two and Three, located in Inyo County, Californ a.

We will forward to your office within the next ten days Owner's Consent to Lien, Form MF-203.

Very truly yours,

Walter W. Johnson
MET

Walter W. Johnson

WWJ:MET

Enclosures

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

APPLICATION FOR AID IN AN EXPLORATION PROJECT

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

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

JOHNSON & MAXFIELD
Room 660 - Stanley Dollar Building
141 Battery Street
San Francisco 11, California

RECEIVED JUN 27 1957 DMEA

APPLICANT NOT TO USE THIS BLOCK

Docket Number: 4769
Date Received: 6-27-57
Government Participation %:
Region: II
Division Code: 600

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [ ]
- Partnership [ ]
- Other (Specify) [X] Joint Venture

State in which firm is organized - California

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
WALTER W. JOHNSON	Room 660, Stanley Dollar Building, 141 Battery Street, San Francisco 11, California	
WM. M. MAXFIELD	1611 Russ Building, 235 Montgomery Street, San Francisco 4, California	

Mineral(s) for which you wish to explore: Fluorspar

Estimated Cost of Project: $ $36,754.44

LOCATION OF PROPERTY

Name	County	State
Lawrence Fluorspar Prospect	Inyo	California

GENERAL INSTRUCTIONS

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

CERTIFICATION

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

June 21, 1957
Dated

Walter W. Johnson
BY (Signature)

Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

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

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

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

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

2. *Physical Description:*

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

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

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

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

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

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

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

3. *Accessibility of Project:*

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

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

4. *The Exploration Project:*

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

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

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

5. *Experience:*

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

6. *Estimate of Costs:*

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

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

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

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

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

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

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

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

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

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

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

* * * * *

INT.-DUP. SEC., WASH., D.C. 15539

Supplemental Information - Form MF-103 - Sheet No. 1

Applicant: Johnson & Maxfield
Room 660 - Stanley Dollar Building
141 Battery Street
San Francisco 11, California

Item No.

1. Applicant's Property Rights

(a) The applicant holds under lease three unpatented mining claims located on unsurveyed public lands in the northern portion of the Death Valley National Monument, Inyo County, California. The claims are recorded in the Office of the County Recorder at Independence, California, at the volume and page numbers indicated below.

Name of Claim	Date of Location	Volume Number	Page Number
Plata Balaza No. 1	Oct. 27, 1950	61	221
Plata Balaza No. 2	Sept. 2, 1952	65	192
Plata Balaza No. 3	Sept. 2, 1952	65	194

(b) The Lawrence Fluorspar Prospect

(c) The applicant is the lessee of the claims enumerated above. The owners are Ray H. Lawrence and Elizabeth K. Lawrence, whose address is Lone Pine, Inyo County, California, An exact copy of the lease agreement accompanies this application.

(d) There are no liens, mortgages, or other clouds on the title.

Item No.

2. Physical Description

(a) There has been no production from the property, nor has there been any co-ordinated exploration work. The owner has done some stripping with a bulldozer at the most westerly end of the known mineralized zone. This work did not prove very effective, as the the bedrock was at or within a few inches of the surface. There are also two shallow pits near the westerly end of the deposit. Pit No. 1 is about four feet square and varies in depth from zero feet to three feet. The fluorspar outcrop at this point has a width of eight feet. Neither wall is exposed in this opening. At Pit No. 2, an opening two feet wide by four feet long and two feet deep exposes high grade fluorspar for the entire section. The full width of the occurrence could not be determined, as only one wall is visible. The location of this work described is shown on accompanying maps.

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Item No. 2. Continued

(b) The work described in sub-section (a) was done entirely by the owner. No exploration has been undertaken by the applicant to date

(c) There has been no production.

(d) No exploration work has been done to support an estimate of ore reserves.

(e) The presence of fluorite mineralization on the Lawrence property is mentioned in Special Report No. 25 of the California Division of Mines, Rocks and Structure of the Quartz Spring Area, by James F. McAllister. In this report, fluospar is mentioned as being present in two shafts that were sunk a number of years ago to explore several outcrops of copper mineralization. The probable reason for McAllister's not mentioning the outcrops disclosed by the owners' exploration is that these occurrences were covered by over-burden.

The fluorspar appears as green, purple, amethyst, and colorless crystals, and at one point as a massive body, having the appearance and structure of bull quartz. An assay of this latter variety gave the following results: CaF_2, 97.01%; and SiO_2, 2.34%. The principal gangue mineral is silica, which occurs in most instances as a box-work surrounding the fluorite crystals. Limestone at some locations also forms a considerable portion of the gangue, but at none of the outcrops examined was it dominant.

There are three different rock formations at or near the area of mineralization. The rock that appears to be highest in the stratagraphic column is a very dense, impervious ironstained light grey shale. This formation is not uniform in character, as in places it has more the character of quartzite, particularly toward the northerly end of the mineralized fluorite zone. The quartzite, where exposed to the atmosphere, has weathered to a dark brown. A possible reason for the change in character of this formation is the proximity of the quartzite to the intrusive rocks. Beneath the shale is a thin-to-medium bedded dark grey limestone, with pale iron-colored shale, forming the parting along the bedding planes. The third rock in the immediate vicinity is a light-colored porphyritic rock, which is made up of elongated feldspar crystals. The feldspar makes up well over half of the volume. This rock has

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Item No. 2 (e) continued

been designated by government geologists as nepheline-syenite. This material has been tested for use in the ceramic industry, but has been found unsuitable, due to its iron content.

The fluorspar mineralization that has so far been observed occurs at or near the contact of the shale and limestone formations. The fluorite appears to have replaced the upper beds of the limestone. The impervious shale roof has evidently acted as a barrier to the mineralizing hydrothermal solutions that migrated along fissures and other opening in the limestone. There is some evidence of faulting in the area, which could also have provided solution channels. There is no evidence at this time that the intrusive formation has any relation to the fluorite mineralization. Fluorite is very often an accessory mineral of the syenites, so it could be the source of fluorite and the copper mineralization noted at the start of this sub-section.

Not much can be seen, at the present stage of the exploration work, as to the strike and dip of the fluorite mineralization. It is believed the strike is northeast-southwest, with the dip to the southeast, following the bedding of the limestone. The fluorspar appears at numerous outcrops along a strike distance of approximately 1,000 feet. The mineralization is covered by overburden for much of this distance, but it is believed that the vein is continuous for the above distance. There is also an isolated outcrop about 400 feet southeasterly from the main series of outcrops. It is not known if this showing has any connection with the longer ore body listed above. The full width of the ore body has not yet been disclosed, but widths up to eight feet are exposed at existing openings. There is no data available indicative of the possible depth limits of the fluorite mineralization in the area.

The copper mineralization mentioned herein consists chiefly of the oxied minerals- azurite, malachite and chrysocolla. Small amounts of chalcopyrite have also been noted. The above minerals occur as fracture fillings and thin coatings on fracture surfaces. It is estimated that the copper content in places is as much as two percent (2%). However, the erratic distribution of copper mineralization as now disclosed gives it little or no commercial value.

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Item No. 2 (e) continued

It is possible that a zone of secondary enrichment and the primary sulphide zone may have the uniformity and tenor to be of interest.

It is believed that main series of fluorspar outcrops have been exposed quite recently. There is very little evidence of either fluorite or copper as float in the drainage channels or hillside talus.

(f) Such geologic features as fissures, brecciation, a nearby instrusive, a very receptive host rock, and the impervious shale capping which are required for a productive deposit, are all present in the area. Also, the substantial length, width and grade of fluorspar makes this prospect worthy of exploration. A map showing the principal geological features and sample locations is attached to the application.

The assay results submitted herewith are from channel samples cut from exposed outcrops, indicated on the accompanying map.

(g) There are no other engineering reports available, other than submitted herein.

Item No.

3. Accessibility

(a) When the DMEA is ready to send an engineer to examine the property, a representative of the applicant will be in Lone Pine to take him to the property. A few days' notice should be given to the applicant at the San Francisco office.

The property is located within the Death Valley National Monument, near the north end of the Panamint Range, about five miles southeast of Tin Mountain. The supply point is the town of Lone Pine, located approximately thirty-eight air miles southwest of the property. The elevation at the prospect is 7,700 feet. Weather at the property is quite temperate throughout the year. The altitude has a decided moderating effect upon the excessive summer temperatures of the valley. The winter temperatures and snowfall do not interfere with normal mine operations and transportation.

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Item No. 3 (a) continued

The route traveled to reach the property is as follows: leave Lone Pine on State Highway 190, travling southeasterly thirty-eight miles on a first class paved road to its junction with the Saline Valley Road. Thence northerly on the well-maintained Saline Valley gravel road, a distance of sixteen miles, thence north-easterly thirty-two miles over unimproved desert road to the property. There are two sections near the start of the latter piece of road that are too narrow, steep and winding for the hauling of heavy loads, and will have to be re-located, so ore shipments can be made economically. Inyo County officials have signified a willingness to co-operate in making the necessary changes. The trip to the property can be made over the present road with light trucks and passenger cars without difficulty, so it will be quite adequate for the exploration work contemplated.

(b) The merchants of Lone Pine stock adequate supplies of food, fuel, lubricating oil, lumber, mine hardware, tools, dynamite and accessory supplies to support the exploration program contemplated. There is bus service out of Los Angeles twice daily, to bring in equipment parts not available at Lone Pine. It is eighty-four miles from the prospect to the supply center.

The property is located in an active mining district, with the Darwin Mine of the Anaconda Copper Mining Company and talc mining operations of the Sierra Talc Company close at hand. There are also numerous smaller operations, all of which serve to attract men with the necessary skills to support a mining venture.

Should production result from the exploration program, it is planned to make the ore shipments to Olancha, a village twenty-three miles south of Lone Pine, on U. S. Highway 6. Olancha is five miles closer to the property, and enjoys a more favorable rail rate to the markets. Road conditions are the same to Olancha as they are to Lone Pine.

There are no residence points located within commuting distance of the property, so boarding and housing facilities will have to be provided at the job site. Plans call for the exploration crew to live in tents, and do their own cooking.

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Item No. 3 (b) continued

Water for exploration is not available at the prospect, so it will have to be hauled from springs within a few miles of the property.

Item No.

4. The Exploration Project

(a) The program is being set up in two parts- Part A will consist of driving five trenches, at intervals of about 350 feet along the main series of outcrops. The total length of these trenches will be 250 feet by 3.5 feet in gross-section, and will vary in depth from zero feet to ten feet. It is estimated that 5,600 cubic feet of formation will be excavated. The trenches will be of sufficient length to fully disclose the hanging wall and foot wall of the deposit. The formation will be drilled with a pneumatic jack-hammer, a 105 cubic foot Joy portable compressor will furnisb the necessary air. The blasted muck will be shoveled into wheelbarrows for transportation to the dump. Part B of the program will consist of drilling 3,000 feet of vertical core drill A X hole from the hanging wall surface to intercept the fluorite mineralization at five locations along the strike corresponding to the trenches described above. These holes will be drilled to varying depths below the surface. The execution of Part B of the program will depend upon the widths, lengths and grade of the mineralization disclosed by the trenches described under Part A. It is not possible at this time to prepare vertical sections of the proposed drilling, as too little is known of the strike and dip of the mineralized formation. The location of the trenches is shown on Map C, attached. There is also shown what is thought will be the approximate location of the drill holes.

The jack hammer and compressor to be used are the property of the applicant and will be rented to the joint venture at prevailing rental fees. It is planned to have the core drilling done by contract. The trenching is to be done by day labor.

A tractor is available at Gold Belt Springs, about twenty miles distant. This machine can be obtained at a rate of $10.00 per hour, including driver, fuel and lubricating oils. This tractor will be obtained on a contract basis to build access roads and prepare working sites for the program. It is the intention to have the water necessary for drilling hauled with a rented truck or jeep.

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Item No. 4 (a) continued

It is planned to use three men on the trenching program, as follows:

2 muckers - Base rate $2.30 per hour

1 miner-foreman - Base rate $2.80 per hour

A six day work week is contemplated. The person listed as a foreman above has been well known to the applicant for a number of years. He will do the drilling, keep the necessary payroll and other records, maintain equipment, secure supplies from Lone Pine and maintain contact with the home office.

The only force account labor required for the core drilling program will be in connection with development of a water supply for drilling purposes. The foreman will be kept on full time during the drilling program, as the applicant's representative, and will act as driver on the water hauling truck.

The engineering, surveying, sampling and inspection will be done at intervals. The engineer will visit the property at the start of the program and at the end of each month, to do whatever is required and obtain the necessary data to use as a basis for the progress reports. The engineer's fee will be $50.00 per day, plus expenses. A survey assistant will be picked up, as needed. A base hourly rate of $2.00 per hour will be paid for this work classification.

(b) Three narrow access roads will be built. One to the job site from Burro Springs, about 8,000 feet in length, one to the trench locations, about 1,100 feet long, and one to the drill location sites, about 1,700 feet in length. These roads will be narrow and just good enough to permit the passage of trucks with supplies and equipment. They will be built with a tractor-bulldozer, on contract. Very little drilling and blasting will have to be done on this road construction. The location of the roads is shown on Map C, attached. It is estimated that fourteen days will be required to complete the road work.

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Item No. 4 (c)

(c) The work will be started within two weeks of receipt of notice that a DMEA contract has been executed. It is estimated that 20-eight hour shifts will be required to complete the trenching program and 100-eight hour shifts will be required to complete the drilling program. If there is no delay in receiving authorization to proceed with Part B, the total elapsed time will be five and two-thirds months.

It is estimated that the footage for the trench program will be 12.5 feet per day, and for the drilling program 30 feet per day.

Item No.

5. Experience

The applicant is a joint-venture, with policy direction in Walter W. Johnson, a party to the joint venture. Mr. Johnson is an experienced mine executive. For many years, he has been president of the Walter W. Johnson Company of San Francisco. This company has operated successful operations in Alaska and the United States. Mr. Wm. M. Maxfield, the other party to the joint venture, is a practicing mining attorney of San Francisco, and is also president of the Original Sixteen to One Mine, Inc., a successful gold mine operation at Alleghany, California. The engineering will be under the direction of George Hellerich, a graduate mining engineer, with experience in responsible charge of exploration and mining projects.

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Item No.

6. Estimate of Costs

(a) Independent Contracts

		Part A		Part B
Tractor Work @ $10.00 per hr.	95 hr.	$ 950.00	20 hrs.	$ 200.00
Core Drilling @ $6.00 per ft.	None		3000 ft.	18,000.00
Total		$ 950.00		$18,200.00

(b) Personal Services

Engineer @ $50.00 per day	12 days	$ 600.00	25 days	$ 1,250.00
Travel & Per Diem	12 days	150.00	25 days	350.00
Survey & Sample Helper @ $2.00 per hr.base	68 hrs.	136.00	133 hrs.	266.00
Survey & Sample Helper @ $3.00 per hr.- overtime	13 hrs.	39.00	27 hrs.	81.00
Miner-Foreman-Trucker @ $2.80 per hr. base	166 hrs.	464.80	674 hrs.	1,887.20
Miner-Foreman-Trucker @ $4.20 per hr.- overtime	34 hrs.	142.80	134 hrs.	562.80
Muckers - @ $2.30 per hr. base	330 hrs.	659.00	108 hrs.	248.40
Muckers - @ $3.45 per hr. overtime	70 hrs.	241.50	20 hrs.	69.00
Total		$2,433.10		$ 4,714.40

The above personnel will be available when required.

(c) Operating Material & Supplies	Part A.	Part B.
Small hand tools	$ 233.00	$None
Petroleum products	91.00	172.00
Explosives	213.00	41.65
Pipe, Fittings and water hose	64.20	271.60
Wheeling planks and slick sheet	60.40	None
Air hose and drill steel with tungsten carbide inserts	228.99	None
Wheelbarrow, shovels, sledges, bars, etc.	134.60	None
Miscellaneous supplies	106.55	51.30
Water tanks	None	240.00
Total	$1,131.74	$ 776.55

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(d) Operating Equipment

	Part A.		Part B.	
1 only- 105 cu.ft. compressor and accessories- value $2,000.00	3 wks. @ $45. per wk.	$135.00	1 wk. @ $35. per wk.	$ 35.00
1 only- Rock drill Copco RH 656-4W- value $650.00	3 wks. @ $20. per wk.	60.00	1 wk. @ $20. per wk.	20.00
1 only- Turtle back tank-800 gal. capacity- value $275.00	None		15 wks. @ $5. per wk.	75.00
1 only- Water storage tank-1200 gal. capacity- value $185.00	None		15 wks. @ $4. per wk.	60.00
1 only- 3/4 ton Pick-up- value $1,500.00	6 wks. @ $20. per wk.	120.00	15 wks. @ $20. per wk.	300.00
1 only- 1½ ton Flatbed	None		15 wks. @ $45. per wk.	675.00
Total:		$315.00		$1,165.00

The first five of the above items are owned by the applicant, the remaining item will be rented for the length of the job.

(e) Initial Rehabilitation and Repairs

Part A.	Part B.
None	None

(f) New Buildings, Fixtures and Installations

The camp living quarters will consist of two 12' x 14' tents, with shiplap floor, sidewalls and framing. Floor joist and plates will be 2" x 4" lumber. These two structures will provide living and cooking facilities. One 10' x 12' single construction frame building, with shiplap floor, roof and sidewalls and 2" x 4" frame will provide shower facilities and storage for materials that must be protected. One 4' x 6' single construction frame toilet, with shiplap walls, roof and floor and 2" x 4" frame. It is estimated that three men will erect these shelters in four- eight hour shifts.

	Part A.	Part B.
Tents, lumber, roofing, hardware	$ 823.08	$ None
Camp furnishings, stoves, refrigerator, etc.	412.15	None
Cooking equipment and accessories	219.05	None
Labor-camp construction	260.00	None
Total:	$1,714.28	None

Supplemental Information - Form MF-103 - Sheet No. 11

Applicant: Johnson & Maxfield
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(g) Miscellaneous

	Part A.	Part B.
Repairs and Maintenance		
Motor tune-ups- compressor and trucks	$ 38.00	$ 56.00
Tires- repairs and replacements	90.00	120.00
Miscellaneous repairs and parts	35.00	35.00
Workmen's Compensation Insurance and Employee Liability Insurance	124.36	213.42
Unemployment Insurance	22.89	39.28
Social Security Taxes	57.22	98.20
Assaying & Chemical Analysis	325.00	750.00
Accounting	150.00	700.00
Preparation of Final Report	75.00	125.00
Transporting equipment, building material, etc., to property	200.00	100.00
Total:	$1,117.47	$2,236.90

(h) Contingencies	$1,000.00	$1,000.00

RECAPITULATION OF ITEM 6	Part A.	Part B.
(a)	$ 950.00	$18,200.00
(b)	2,433.10	4,714.40
(c)	1,131.74	776.55
(d)	315.00	1,165.00
(e)	None	None
(f)	1,714.28	None
(g)	1,117.47	2,236.90
(h)	1,000.00	1,000.00
Total:	$8,661.59	$28,092.85

NOTE: No charge has been made for camp building and equipment costs to Part B, on account of this portion of the project being dependent upon the results of Part A.

Item No.

7.
(a) Yes
(b) Part of the applican't share of the exploration program's expense will be furnished with cash, and the balance by use of equipment owned by the applicant.

DMEA
CODE

LEASE WITH PRIVILEGE OF PURCHASE

THIS INDENTURE, with privilege of purchase, made and executed this 15th day of October, 1956, by and between RAY H. LAWRENCE and ELIZABETH K. LAWRENCE, his wife (hereinafter called the "Lessors"), and WALTER W. JOHNSON (as the nominee of a syndicate, firm or corporation),(hereinafter called the "Lessee"):

W I T N E S S E T H

That the said Lessors, for and in consideration of the sum of Ten ($10.00) Dollars to them in hand paid, the receipt whereof is hereby acknowledged, do hereby covenant and agree with the said Lessee, his heirs, successors, nominees and assigns, as follows, to wit:

In all respects herein the said Lessee has executed this agreement as the member of a syndicate of other persons, corporations or partnerships, and it is expressly understood and agreed that by their execution hereof consent is given by the Lessors to his assignment of this agreement and all rights thereunder to a corporation, partnership or other entity representative of said syndicate or persons whom he has represented by his execution hereof, conditioned, however, on said assignee or assignees accepting the terms hereof and agreeing to be bound hereby.

That the Lessors hereby grant, demise and lease unto the Lessee those certain mining claims situate, lying and being in an unknown mining district of Inyo County, California, on the southeast side of Tin Mountain at the north end of the Panamint Range of mountains and within the Death Valley Monument, known as Plata Balaza Claims Numbers One, Two and Three, the said Claim Number One being recorded October 27, 1950, in Volume 61 of Records at Page 221 thereof; the said Claim Number Two being recorded September 2, 1952 in Volume 65 of Records

at Page 192 thereof; and the said Claim Number Three being recorded on September 2, 1952 in Volume 65 of Records at Page 194 thereof, all of said records being in the Office of the Recorder of Inyo County, California, at Independence, Inyo County, California.

It is agreed that this lease shall remain in force as long as the said Lessee, his heirs, successors or assigns, shall deem fit to hold the said property, and to mine and extract ores or minerals therefrom and to pay to the said Lessors five (5%) per cent of the gross proceeds in the manner hereinafter specified; and when the sum of Seventy Five Thousand ($75,000.00) Dollars shall have been paid, either out of the proceeds of the said property hereby leased, or otherwise, by the said Lessee or his assigns, the said Lessors hereby covenant and agree for themselves, their executors, administrators and assigns, to and with the said Lessee, his heirs and assigns, to convey to him or them by good and sufficient deed all of the above described property, free and clear of all encumbrances upon such payment, provided the said sum of Seventy Five ($75,000.00) Dollars shall have been paid on or before one year from the date hereof, or when the same has been paid under the continuing terms hereof thereafter.

The said Lessee, his successors or assigns, hereby covenants and agrees to enter upon the said property, and to mine and extract ore from the same as long as he or they shall find it profitable; to do the work in a proper and workmanlike manner, and at his or their own cost and expense, steadily and continuously during the term of this lease, commencing with a date six (6) weeks from and after date hereof, with not less than forty (40) shifts during each and every calendar month of the term of this lease. No excess above the required number of shifts in any one month is to apply on any other month, and a failure on the part of the said Lessee to work the said premises at least said number of shifts each calendar month,

or failure to work said premises at all for thirty (30) consecutive days, may be considered by the Lessors a violation of this lease, and shall at the option of the Lessors and without demand or notice work a forfeiture thereof. The word "shift" is taken and accepted to mean the labor of one man for one day of at least eight hours. The said Lessee agrees to conduct the said work in a proper and workmanlike manner and at his own cost and expense, and to hold and keep the said property free and clear of all cost, charge or lien for the working of the same; and out of the gross proceeds of said mine or claims to pay five (5%) per cent thereof as fast as taken out to the said Lessors in a manner hereinafter specified; and upon any expiration of the term hereof to surrender up the possession of said premises, with all the improvements, to the Lessors, unless on or before said expiration the said sum of Seventy Five ($75,000.00) Dollars shall have been paid by the Lessee to the Lessors; and in the event of the said Lessee failing to comply with either or any of the foregoing covenants, or any covenant, promise or things herein contained on his part to be done, kept or performed, then it shall be lawful for the said Lessors to reenter, possess and enjoy the above described property and premises and every part thereof; and the Lessee hereby agrees, in the event of such non-performance on his part, to surrender possession of the said premises upon demand by the Lessors claiming their right to reenter.

It is hereby mutually covenanted and agreed that the Lessors shall have the right, at all times, of inspecting the said mines or mining operations above described and referred to; that the Lessee shall have the right, at any time, to stop work on the said mines or mining operations when he shall find or deem the same unprofitable; that, in working said ores and minerals the Lessee shall and will furnish a true account of all ores extracted, milled, produced and sold, to the Lessors; and an accounting shall be had between the parties as soon after receipt by

the Lessee of the proceeds of any such sale or production as is reasonable in the circumstances. That all work on said claims shall be done at the expense of the Lessee, and the said Lessors, on their part, for themselves, their executors, administrators and assigns, hereby covenant and agree to and with the said Lessee, his heirs and assigns, to convey, by good and sufficient deed, all of the above described properties, free and clear of all encumbrances, to Lessee or his assigns, at any time, upon the payment to them of the sum of Seventy Five ($75,000.00) Dollars, either out of the proceeds of said mines or otherwise, on or before one year from the date hereof, or such later period of time in which this lease shall be in force and effect and the said Lessee shall not be in default hereunder.

Lessee may give any notice or deliver any document hereunder to Lessors in person or by delivering same by registered mail addressed to the Lessors at Lone Pine, California.

Any notice from Lessors to Lessee shall be given by sending the same by registered mail addressed to Lessee at 141 Battery Street, San Francisco 11, California.

All notice so given by registered mail by Lessee or Lessors shall be deemed delivered when deposited in any United States Post Office in the State of California.

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

/s/ Ray H. Lawrence
Ray H. Lawrence

/s/ Elizabeth K. Lawrence
Elizabeth K. Lawrence
LESSORS

/s/ Walter W. Johnson
Walter W. Johnson
LESSEE

STATE OF CALIFORNIA)
) ss
COUNTY OF INYO)

On this _____ day of October, 1956, before me, _____, a notary public in and for the County of Inyo, State of California, residing therein, duly commissioned and sworn, personally appeared RAY H. LAWRENCE and ELIZABETH K. LAWRENCE, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Inyo, State of California, the day and year in this certificate first above written.

(S E A L)

_____
Notary Public
in and for said County and State
My Commission Expires _____

STATE OF CALIFORNIA)
) ss
CITY & COUNTY OF SAN FRANCISCO)

On this 11th day of October, 1956, before me, Camille Weisse, a notary public in and for the City and County of San Francisco, State of California, residing therein, duly commissioned and sworn, personally appeared WALTER W. JOHNSON, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the City and County of San Francisco the day and year in this certificate first above written.

(S E A L)

/s/ CAMILLE WEISSE
Notary Public
In and for the said County and State
My Commission Expires March 30, 1959

C O N S E N T

We hereby agree, severally and jointly, to extend the date to August 20, 1957 in which to start development work on our fluorite claims, known as Plata Balaza Claims Numbers One, Two and Three, located in Inyo County, California, leased to Walter W. Johnson under date of October 15, 1956.

Dated: JUNE 20, 1957

/s/ Ray H. Lawrence
Ray H. Lawrence

/s/ Elizabeth K. Lawrence
Elizabeth K. Lawrence

FORM A-7

REPORT OF ASSAY

ABBOT A. HANKS, INC.

ASSAYERS, CHEMISTS, ENGINEERS
624 SACRAMENTO STREET
SAN FRANCISCO.

May 31, 1957

DEPOSITED BY Walter W. Johnson Company
141 Battery Street
San Francisco, California

SAMPLE OF ORE

Labty. No.	Mark	GOLD, per ton of 2,000 lbs. Troy Ounces	GOLD, per ton of 2,000 lbs. Value @ $35.00 oz.	SILVER, per ton of 2,000 lbs. Troy Ounces	SILVER, per ton of 2,000 lbs. Value @ $	Percentages IRON	Percentages SULPHUR
14866	#1					0.11 %	0.084 %
67	#2					0.023	0.008

	Percent
CALCIUM FLUORIDE	97.54
CALCIUM CARBONATE	1.19
SILICA	1.15
IRON	0.031
SULPHUR	0.008

bob

ABBOT A. HANKS, INC.

Abbot A. Hanks Jr.

C
O
P
Y

REPORT OF ASSAY

ABBOT A. HANKS, Inc.
Assayers, Chemists, Engineers------
624 Sacramento Street

San Francisco October 4, 1956

Deposited by: Walter W. Johnson Co.
141 Battery Street
San Francisco, California

Sample of: Ore

Labty. No.	Mark	Gold, per ton of 2,000 lbs. Troy Ounces	Value @ $35. Per Oz.	Silver, per ton of 2,000 lbs. Troy Ozs.	Value @	Percentages Calcium Fluoride	Silica
4780	#7					38.31%	57.87
4781	#8					80.25	12.42
4782	#10					97.01	2.34

ABBOT A. HANKS, INC.

/s/ Martin P. Quist

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/30	Anderson	600
10/30	Houk	600
10/30	Selbridge	130
10/30	Lamb	130
10/30	Williams	130
		~~110~~
		~~100~~
10/31	C	220
		225

600

OCT 31 1957

Messrs. Walter W. Johnson
and William M. Maxfield
Room 660, Stanley Dollar Building
141 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-4769-Fluorspar
Johnson and Maxfield
Lawrence Fluorspar Prospect
Inyo County, California

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject 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 all our information indicates to us that the probability of disclosing significant reserves of fluorspar is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

Frank E. Johnson (for)

ACTING Administrator

WCAnderson:gad 10/29/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region II
Mr. Kiilsgaard, 5222
Mr. R. B. McDougal, 3520
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/30/57	Anderson	600

600

October 30, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Director, Division of Nonmetallic Minerals LGH.

Subject: Evaluation of application and field examination report
Docket No. DMEA-4769-Fluorspar
Johnson and Maxfield
Lawrence Fluorspar Prospect
Inyo County, California

Denial of application is recommended.

Fluorspar: Inferred reserves are estimated to be 3,500 tons containing 60-70% CaF_2.

Deposit: Two veins covered by Claim Nos. 1 and 2.
Claim No. 1: Vein is 200 feet long by 10 feet wide by 25 feet deep along dip. One-fourth of this block is fluorspar estimated at 1,000 tons.
Claim No. 2: Inferred dimensions of vein: 500 feet long by 10 feet wide by 25 feet deep along dip, containing an estimated 2,500 tons of recoverable fluorspar.

Geology: The fluorspar occurs as vein-like replacement deposits along northwest striking shear zone in white marbleized limestone. Silica and copper minerals are also replacement products, the order of deposition being silica, fluorspar, and copper minerals. The hangingwall limestone is about 95% silicified, containing lean disseminated fluorspar and copper oxides. The foot wall is marbleized limestone containing only traces of these minerals.

Workings: Two shallow pits, bulldozed area 450 feet long by 50 feet wide, small open cut 6x6x4 feet deep, shaft 4x6 by 20 feet deep, shaft 6x7x46 feet deep.

Past production: None

Method of exploration: Applicants propose to set up the program into two parts:

Part A: Five trenches each 250 feet by 3.5 feet by up to 10 feet deep.
Part B: 3,000 feet of diamond drilling (AX hole).

Amount requested:

Part A	$8,661.59
Part B	28,092.85
Total	$36,754.44

Comments: The two outcropping veins referred to above contain the only significant ore on the claims. Sixteen samples were taken to determine the approximate fluorspar content of the deposit. The Examiners found the deposit to be of small size and discontinuous. The Applicants base their proposal on the premise that the area contains a large bedded replacement deposit. After consultation with the Examining Engineers, the Applicants concluded that the property is not likely to be a profitable venture and they expected to withdraw their application.

Recommendations: The Division of Nonmetallic Minerals and the Commodity Members of the Geological Survey and the Bureau of Mines concur in the Field Team's recommendation to deny the application, based principally on the small size and discontinuity of the deposit.

Walter C. Anderson

Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:gad 10/30/57
Copy to: Admr. R. File
Mr. Houk

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

IN REPLY REFER TO:
DMEA

RECEIVED OCT 28 1957

DATE	INITIALS	CODE
10/28	C	220
10/30	Houk	600

October 25, 1957

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of field examination report, DMEA 4769 (fluorspar), Johnson and Maxfield, Lawrence prospect, Inyo County, Calif.

The examining team report that an exploration project on the applicant's property would probably not result in a significant discovery. The applicant believed he had a large blanket type deposit on his property. The examining team, however, find that the deposits are found as small, discontinuous concentrations along two shear zones.

A moderate tonnage of ore has already been exposed on the property; and the grade is fair to good for metallurgical-use fluorspar. The poor chance, however, of finding additional large reserves makes the property unfavorable for DMEA purposes. For that reason I agree with the recommendations of the Field Team for denial of the application.

W. P. Williams

W. P. Williams

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DMEA
RECEIVED OCT 22 1957

DATE	INITIALS	CODE
10/22	gb	220
10/23	Frank	600

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

Date October 18, 1957

DMEA Docket No. 4769
DMEA Contract No.
Commodity Fluorspar
Name of applicant Johnson & Maxfield
Name of property Lawrence Fluorspar Property
Location of property Inyo County, California
Estimated cost of project $36,754.44

Memorandum

To: Lawrence G. Houk, Chief, Non-Metallic Minerals Division, Defense Minerals Exploration Adminstration

From: Robert B. McDougal, Commodity Specialist, Branch of Construction and Chemical Materials

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

1. Date of subject document: 10/7/57. 2. Date received by reviewer: 10/14/57

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:

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 [x]
   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)

Robert B. McDougal
Robert B. McDougal

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

October 7, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 9 1957

DATE	INITIALS	CODE
10/9	B	220
10/14	JHB.	130
10/15	C	220
10/15	wra	600

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4769 (Fluorspar)
Johnson & Maxfield
Lawrence Fluorspar Prospect
Inyo County, California
(Your letter, July 18, 1957)

Enclosed are three copies of a report on subject property by Glenn G. Gentry, Bureau of Mines, and John E. Carlson, Geological Survey, which recommends denial of application for DMEA participation in exploration.

Roscoe Smith and I concur in the recommendation.

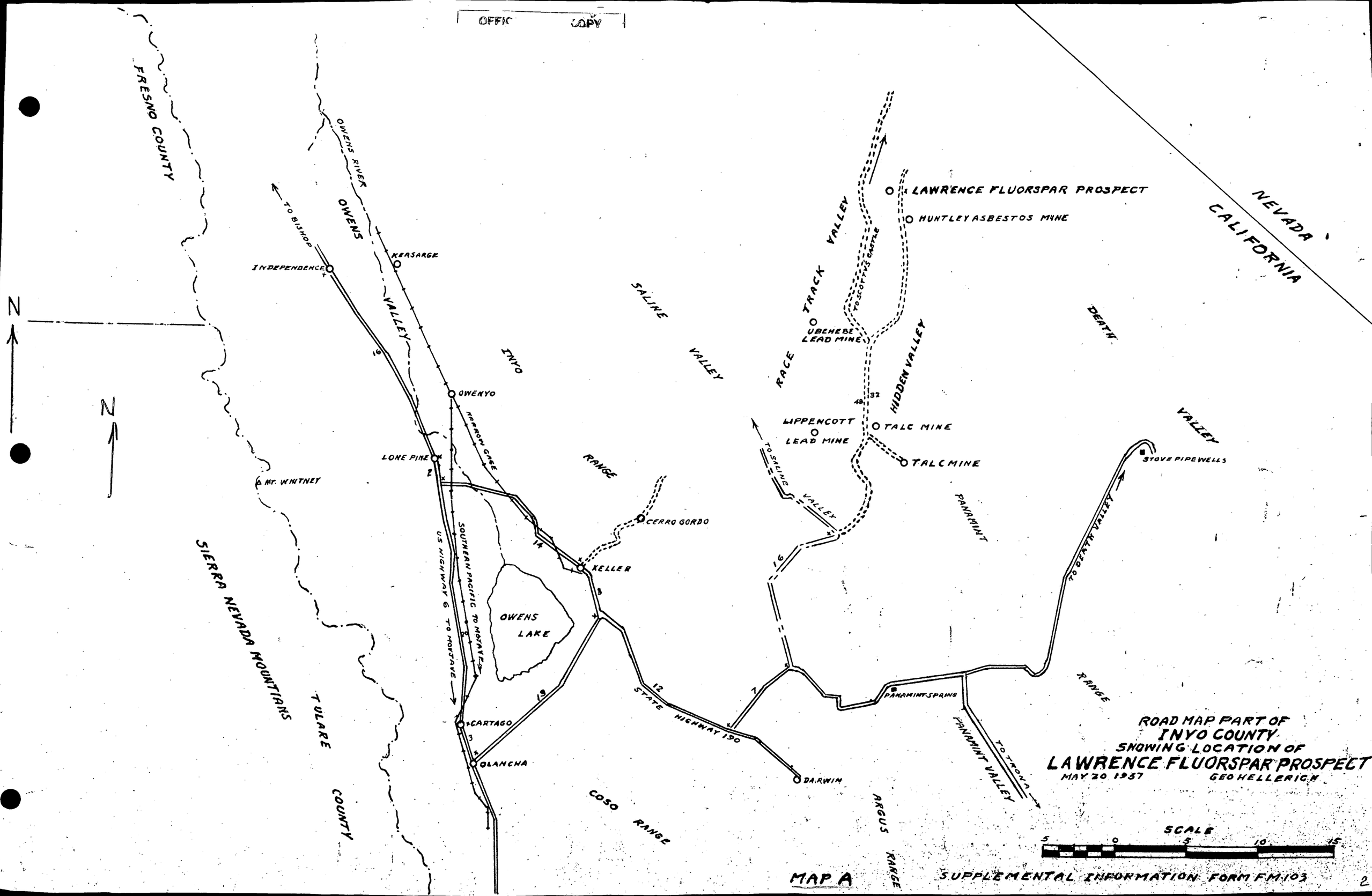
Glenn G. Gentry
/for/ S. Ricker

Attachments

Reviewed by
DMEA OPERATING COMMITTEE
10-14-57
(0230)

On-Site Exam Rpt.

OFFIC COPY



ROAD MAP PART OF
INYO COUNTY
SHOWING LOCATION OF
LAWRENCE FLUORSPAR PROSPECT
MAY 20 1957 GEO HELLERICH

MAP A

SUPPLEMENTAL INFORMATION FORM FM-103

OFFICIAL FILE COPY
D M E A
RECEIVED JUN 27 1957

DATE	INITIALS	CODE

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 9 1957

DATE	INITIALS	CODE
10/14	JB	130
		220

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-4769 (Fluorspar)
Johnson and Maxfield
Lawrence fluorspar claims
Inyo County, California

by

Glenn G. Gentry
U. S. Bureau of Mines

John E. Carlson
U. S. Geological Survey

September 26, 1957

Reviewed by
DMEA OPERATING COMMITTEE
10-14-57
(date).

CONTENTS

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Location, Accessibility, and Local Resources	2
History and Production	3
Property and Ownership	3
Development	4
General Geology	5
Ore Deposits	6
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Ore Reserves	11
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ILLUSTRATIONS

Figure 1 . . . . . Index map

2 . . . . . Geologic map

INTRODUCTION

On June 21, 1957, Mr. Walter W. Johnson, representing Johnson and Maxfield, Room 660, R. Stanley Dollar Building, 141 Battery Street, San Francisco, California, applied to the Defense Minerals Exploration Administration, docket DMEA-4769, for Government assistance in a $36,754.44 program to explore for fluorspar on the Lawrence fluorspar claims in Inyo County, California.

A field examination was requested by the Operating Committee and was made on July 29 and 30, 1957 by Glenn G. Gentry, U. S. Bureau of Mines, and J. E. Carlson, U. S. Geological Survey, accompanied by Mr. Ray H. Lawrence who represented the applicant. Sixteen samples were taken to determine the approximate fluorspar content of the deposit.

CONCLUSIONS AND RECOMMENDATIONS

The Lawrence claims contain a moderate tonnage of metallurgical grade fluorspar. Results of the examination indicate that this deposit probably contains several concentrations of fluorspar along two veins similar to those partly exposed. Although it is inferred that additional ore may be discovered along the strike and down the dip of the veins, and reserves of 3,500 tons, averaging 60 to 70 percent fluorspar are inferred, it is concluded that the small size and discontinuity of the deposit do not justify exploration.

The applicant believed that the area contains a large bedded replacement deposit of fluorspar and he proposed to explore the area by trenching and diamond drilling.

The geology of the deposit and economic considerations were discussed with the applicant who has now concluded that the property is not likely to be a profitable venture for his company and is expected to withdraw his application.

LOCATION, ACCESSIBILITY, AND LOCAL RESOURCES

The claims are in the Panamint Mountains, approximately 5 miles south of Tin Mountain in the northwestern part of the Death Valley National Monument, Inyo County, California (fig. 1). The area has not been surveyed but is about T. 13 S., R. 42 E.

The claims are reached from Lone Pine, California, by traveling south on U. S. Highway 395, an all-weather road, for 25 miles, thence southeasterly (left) on California State Highway 190, an all-weather road, for 33.1 miles, thence north (left) on a graded, graveled county road for 15.1 miles, thence northeasterly (right) for 29.6 miles on an unimproved road having steep grades, thence north (left) on an unimproved road 0.5 mile. The trip requires approximately 3-1/2 hours.

The altitude of the property is approximately 7,700 feet. Climatic conditions at this altitude are usually favorable for year-round operations although some light snowfall may be expected during January and February.

Experienced mine labor can be obtained either in the adjacent Darwin district or from Bishop and Mojave, California. It is necessary to haul water by truck from springs approximately 5 miles west of the mine.

Telephone, mail, railroad, and trucking services are available in Lone Pine, 80.8 miles southwest of the mine.

Mining machinery would be operated by gasoline or diesel engines.

HISTORY AND PRODUCTION

Copper minerals were found prior to the year 1900 and three shallow shafts and two short adits were excavated in a search for ore.

The area has been inactive until recently when R. H. Lawrence filed locations on three claims and a mill site. There has been no production from the property.

PROPERTY AND OWNERSHIP

Three unpatented mining claims and a mill site are recorded in the names of Ray H. Lawrence and his wife, Elizabeth K. Lawrence.

These claims are recorded in the office of the County Recorder, Independence, Inyo County, California, as follows:

Claim name	Volume	Page
Plata Belleza No. 1	61	221
Plata Belleza No. 2	65	192
Plata Belleza No. 3	65	194
Plata Belleza mill site	63	99

On October 15, 1956, the owners leased the three claims to Walter W. Johnson, et al., for an indefinite period provided that development work would begin on or before August 20, 1957. The applicant advised that he would be able to obtain an agreement to extend the lease to a later date.

DEVELOPMENT

Exploratory work on the fluorspar deposit by the owner consists of two shallow pits and a bulldozed area 450 feet long and 50 feet wide near the south-central end of the Plata Belleza No. 1 claim. A small open-cut 6 feet by 6 feet by 4 feet deep has been made in an exposure of fluorspar and limestone near the center of the claim. Pits Nos. 1 and 2, noted under item 2, sheet 2, of the application, were obliterated by the bulldozer scraping and the dimensions of the exposures could not be obtained.

Exploratory work by former owners consisted of an accessible shaft 4 feet by 6 feet by 20 feet deep inclined 30 degrees along the strike of the vein on the No. 1 claim, and another shaft, 6 feet by 7 feet by 46 feet deep inclined 70 degrees along the dip of the vein on claim No. 2, which is accessible to 6 feet. No development work has been done by the applicant.

GENERAL GEOLOGY

The rocks in the claim area are chiefly limestone and siltstone of the Perdido formation[1/] of Mississippian age which are

---

1/ McAllister, James F., 1952, Rocks and Structure of the Quartz Springs Area, Northern Panamint Range, California: Calif. Div. of Mines Special Rept. 25.

---

intruded by nepheline syenite of post-Carboniferous age and by a greenstone dike.

The limestone strikes N. 85° E. to N. 30° W. and dips 10 to 35 degrees northeastward, or steeper due to hillside slump. Much of the dark gray, finely-crystalline limestone has been metamorphosed to white, coarsely-crystalline limestone or marble, locally containing residual clots and lenses of gray limestone. Dark gray chert nodules

are common in the gray unaltered limestone. Dark gray- to black siltstone and shale were seen only as abundant float on the rubble-covered slopes. Many fragments contained quartz veinlets.

Grayish-orange nepheline syenite occurs on the east side of the claim area (fig. 2) where its contact with the Perdido strikes about N. 45° E. A 2000 by 4000 foot tongue-shaped body of the Perdido formation is enclosed by the syenite but the dip of the contact could not be determined.

A dike 30 feet wide, of probable vertical dip and having a N. 45° E. strike, cuts the limestone 75 feet northwest of the limestone-syenite contact.

Sheared and brecciated zones that strike N. 20° - 45° W. and dip 70° SW cut all of the rocks in the claim area. Some displacement was evident along these shear zones. Locally within the shear zones the white, marbleized limestone is replaced by silica and resembles a white quartzite. Fluorspar and copper minerals are deposited along two of these shear zones.

ORE DEPOSITS

The fluorspar occurs as vein-like replacement deposits along the northwest-striking shear zones in white marbleized limestone. These zones can be traced for a distance of 450 feet on claim No. 1 (fig. 2)

and for a distance of about 1,300 feet on claim No. 2. They are probably not more than 15 feet wide.

Silica and fluorspar replace the limestone in varying amounts along the strike of the shear zones. Locally the limestone is entirely replaced by silica and fluorspar.

White, green, and purple, translucent- to sub-translucent fluorspar is present as replacement masses and clots, as disseminated crystals, and as replacement veinlets and fracture filling in the marbleized limestone.

Malachite, azurite, and chrysocolla are ubiquitous within the mineralized zones and McAllister (p. 36) reports the occurrence of bornite. The order of deposition appears to be silica, fluorspar, and copper.

At the 20-foot shaft on claim No. 1 the vein is not more than 10 feet wide. The shaft walls contain fluorspar and lean copper oxides near the portal, but very lean or barren rock at the bottom. Abundant fluorspar and minor copper oxides have been uncovered by the owner in three shallow pits 80 feet southeast of this shaft.

At the shaft on claim No. 2 the strike of the vein in the shaft is N. 15° W. and it dips 70° SW. The hanging-wall limestone is about

95 percent silicified and it contains lean disseminated fluorspar and copper oxides. The foot wall is marbleized limestone which contains only traces of these minerals. The vein width probably does not exceed 15 feet.

Massive white fluorspar crops out 50 feet south of the shaft (BM-2312) on claim No. 2, and represents either a separate shear zone parallel to the vein in the shaft or an offset of that vein. This exposure and the fluorspar exposed in the pits near the shaft on claim No. 1 are the best showings on the claims. Approximately 98 percent of the fluorspar seen occurred on the surface. The remainder was in the two shafts which appeared to grow more lean in ore at depth.

The northernmost vein exposures, although highly altered, contained rare fluorspar and very lean copper-bearing rock. The 75-foot adit (fig. 2) about 70 feet below these exposures is nearly barren of fluorspar. Both the adit and the vein exposures are north of the claim boundary.

The owner stated that he has found no vein material on the opposite slope across the deep wash north of claim No. 2, and the same statement was made about the slope across the wash northwest of the shaft on claim No. 1.

The discontinuous nature of the deposit is shown by the absence of fluorspar for 250 feet along the bulldozed strip between BM-2304 and BM-2305 on claim No. 1. This vein is restricted to 600 feet in length by a deep wash at its northwest end and by the syenite intrusive at its southeast end. A similar situation is present between BM-2314 and BM-2317 on claim No. 2 where the rock appears to be barren of fluorspar for a distance of 700 feet, and the mineralized area restricted to a length of about 500 feet. Its total length is limited by a deep wash at its northwest end and by a syenite intrusive at its southeast end.

SAMPLING

Samples were not analyzed for silica although it is obvious that the silica content of the vein material is at least 30 percent. The best grade product that could be expected would, therefore, be a metallurgical grade fluorspar of between 60 and 70 percent CaF_2.

BM Sample No.	Width feet	Percent CaF_2	Description
2303	3.0	45.0	Shallow pits in bulldozer cut near south-central area of claim No. 1, shows CaF_2 under quartzite and limestone.
2304	20.0	11.4	Chip sample surface exposures in bulldozer cut claim No. 1.
2305	6.5	77.0	Prominent exposure of fluorspar in 6 ft. by 6 ft. by 4 ft. prospect pit 250 ft. northwest of 2304.

BM Sample No.	Width, feet	Percent CaF_2	Description
2306	14.0	56.3	Chip sample along surface exposure at northwest side of 2305.
2307	grab, chip	88.3	From 5-ton stockpile on dump, from pit represented by 2305.
2308	5.0	87.0	Surface exposure of fluorspar in shallow trench 44 ft. northeast of 2305.
2309	3.0	1.2	North side of 15-ft. inclined shaft and 8 ft. below collar of shaft.
2310	3.5	29.3	Southwest wall of 15-ft. inclined shaft, at collar of shaft.
2311	grab, chip	11.3	From 60-ton dump at collar of 15-ft. inclined shaft.
2312	26.0	30.2	Prominent surface exposure of limestone and fluorspar on claim No. 2, contains some high-grade fluorspar, 400 ft. north of south end of claim.
2313	3.5	0.2	South side of 46-ft. inclined shaft and 6 ft. below collar of shaft, 50 ft. northeast of 2312, very little CaF_2 noted in shaft.
2314	4.2	79.7	Small surface exposure on claim No. 2, 380 ft. northwest of 2312.
2315	3.6	88.9	Small surface exposure on claim No. 2, 50 ft. southwest of 2314.
2316	chip	73.0	Specimen sample from 3 small boulders dug from talus, 40 ft. west of 2314.
2317	5.0	0.8	Surface exposure of limestone and quartzite near north end of claim No. 2.
2318	12.0	0.1	Surface exposure of limestone and quartzite, showing light copper stains, 50 ft. north of 2317.

ORE RESERVES

The two outcropping veins contain the only significant ore on the claims. The inferred reserves of fluorspar are estimated to be 3,500 tons containing 60-70 percent CaF_2.

The inferred dimensions of the vein on claim No. 1 are 200 feet long, 10 feet wide, and 25 feet deep along the dip. One-fourth of this block may be fluorspar and, at 11 cubic feet per ton, 1,000 tons of fluorspar is estimated. The inferred dimensions of the vein on claim No. 2 are 500 feet long, 10 feet wide, and 25 feet deep along the dip. Calculating as above, the estimate of recoverable ore is 2,500 tons of fluorspar.

EXPLORATION

Applicant's Proposal

The applicant proposed a two-stage program of camp and road construction, trenching, and diamond drilling at an estimated cost of $36,754.44.

This program is more costly than is needed to explore the two veins that contain ore. A conference with the applicant disclosed that he had considered the deposit to be a flat-lying, replacement blanket of fluorspar that extended laterally from the exposures on claim No. 1 through the hill to the exposures on claim No. 2. Comparison of

map "B", submitted with the application, with the map prepared by the DMEA examiners shows why the applicant believed as he did.

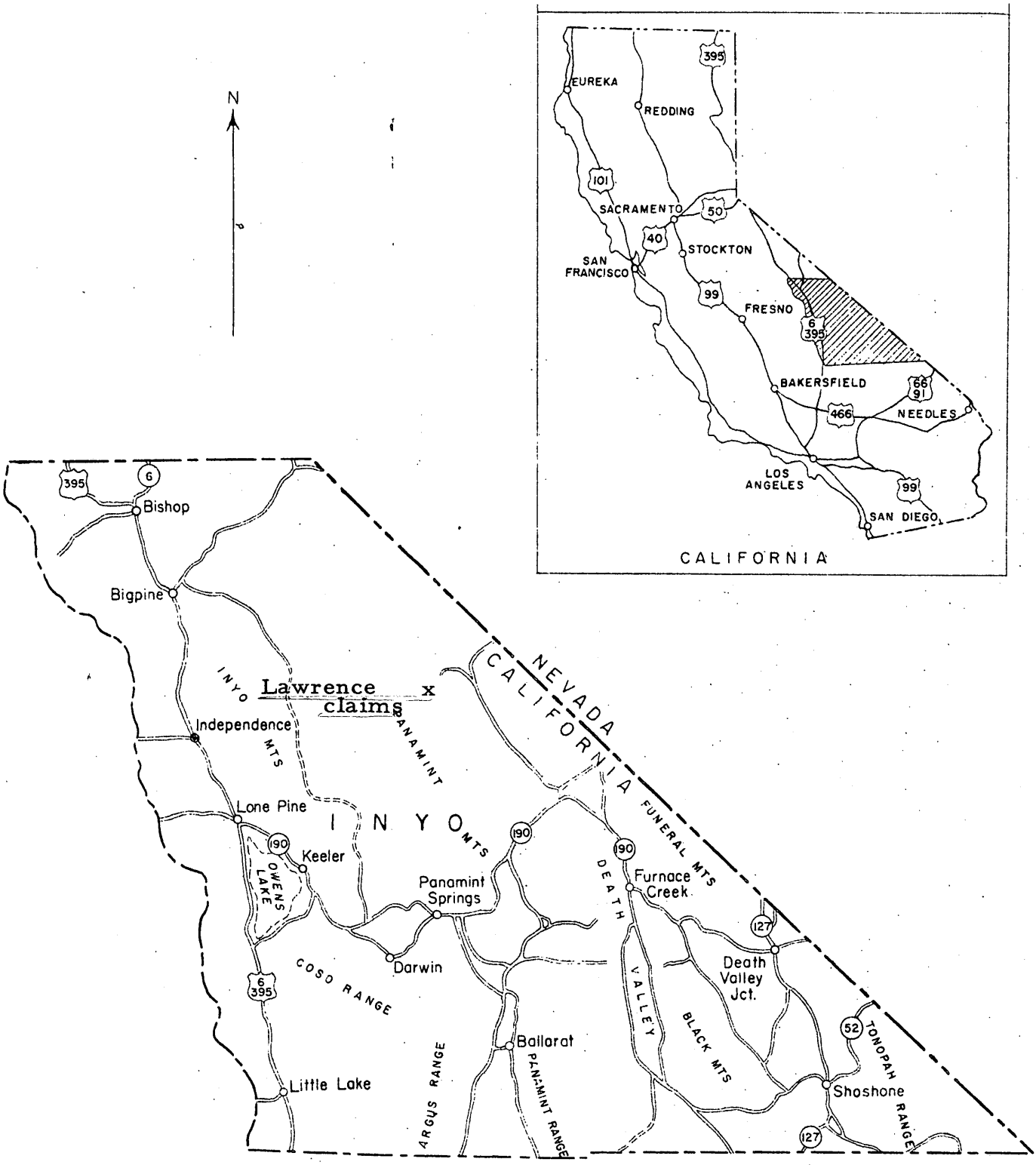

Figure 1. INDEX MAP OF INYO COUNTY, CALIFORNIA

0 25 50 75 Miles

OFFICIAL FILE COPY
DNME A
RECEIVED OCT 9 1957

DATE	INITIALS	CODE

1605 Evans Avenue
Reno, Nevada

July 19, 1957

EXTRA COPY
D M E A
RECEIVED J[illegible] 1957

DATE	INITIALS	CODE

Mr. Walter W. Johnson
Johnson & Maxfield
Stanley Dollar Building
Room 660
1414 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 4769 (Fluorspar)
Walter W. Johnson & Wm. M. Maxfield
Lawrence Fluorspar
Inyo County, California

Dear Mr. Johnson:

I am forwarding a copy of your letter of July 17, 1957 to our Washington office for their attention.

The error in spelling will not delay the preliminary processing of your application and a field examination which we have been planning for the near future. I am, however, returning the Consent to Lien and Subordination Agreement forms which should be made out showing the correct names of the claims. A set of new copies are enclosed. Five executed copies should be returned to this office.

Our Washington office will advise us if additional changes are required if and when a contract is favorably considered.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

SRicker:ft
cc: Opr. Com., DMEA,
Washington, D.C.
RMSmith
File
Chron

WALTER W. JOHNSON COMPANY

ENGINEERS AND CONTRACTORS
THE RELIGES BUILDING
MACON MO. MACON
ATLANTA GEO.
SAN FRANCISCO CALIFORNIA

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 22 1957

DATE	INITIALS	CODE

ACKNOWLEDGED

July 17, 1957

U. S. Department of the Interior
Defense Minerals Exploration Administration
1605 Evans Avenue
Reno, Nevada

Attention: Mr. Spangler Richer,
Executive Officer

Re: Docket Number DMEA-4769

Dear Sire:

In connection with our application for a DMEA loan and our proposed development of the property known as the "Lawrence Fluorite Prospect", we have just recently learned from the owners that we have used an incorrect spelling of the claim names. The correct spelling is "Ebata Bellena", whereas we have designated the spelling as "Ebata Belena (Numbers 1, 2 and 3). This incorrect spelling appears in the following places in our application:

1. Our transmittal letter, dated June 21, 1957;

2. Sheet No. 1 of Supplemental Information- Form MF-103;

3. First page, last paragraph of copy of lease between Walter W. Johnson and Ray H. Lawrence and Elizabeth K. Lawrence;

4. Extension of time to begin work under the lease, dated June 20, 1957;

5. Map "B"

6. Owner's Consent to Lien (four copies of which are enclosed herewith).

We will appreciate your advice as to whether or not these errors will, in any way, affect the processing of our application. If it will be necessary for us to correct or amend the application, please advise

as to how this should be done. If you deem it necessary to correct the application in all places where this error has been made, please forward us another set (six copies) of the Owner's Consent to Lien.

Very truly yours,

T. Keith Johnson

TKJ:MET

Enclosures

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/15	Anderson	600
7/15	Houk	600
7/17	Martin	130
7/17	Yogey	130
7/17	Kilsgaard	130
7/17	Johnson	110
"	Mittendorf	100
		220

600

JUL 18 1957

Messrs. Walter W. Johnson
and William M. Maxfield
Room 660, Stanley Dollar Building
141 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-4769-Fluorspar
Johnson and Maxfield
Lawrence Fluorspar Prospect
Inyo County, California

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for further consideration and possibly a field examination.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

WCAnderson:rsi 7/11/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region II
Mr. Kiilsgaard, 5222
Mr. R. B. McDougal, 3520
Mr. Houk

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
7/15	Anderson	600
7/18	Houk	600
7/17	Martin	130
"	Johnson	110
"	Rutledge	100
7/18	C	220
		680

600

JUL 18 1957

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

Re: Docket No. DMEA-4769-Fluorspar
Johnson and Maxfield
Lawrence Fluorspar Prospect
Inyo County, California

Dear Mr. Ricker:

Please review the subject application and arrange for a field examination if you deem it necessary.

We note that the applicant will submit the required copies of the Consent to Lien and Subordination Agreement. If a contract is recommended, please advise the applicant that it should furnish three competitive bids, both for the diamond core drilling and the fluorspar analysis.

Copies of memoranda dated July 3 and 9, 1957, by Mr. W. P. Williams, USGS, and Mr. R. B. McDougal, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (SLB)

Approved:

P. F. Yopes (SLB)
Member, Bureau of Mines

Thor H. Kiilsgaard (SLB)
Member, Geological Survey

Enclosures 5

WCAnderson:rsi 7/15/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. McDougal, 3405
Mr. Houk

8623

OFFICIAL FILE COPY DMEA RECEIVED JUL 11 1957		
DATE	INITIALS	CODE
7/11	P.K.	220
7/11	[illegible]	600

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

Date July 9, 1957

DMEA Docket No. 4769
DMEA Contract No.
Commodity Fluorspar
Name of applicant Johnson & Maxfield
Name of property Lawrence Fluorspar Prospect
Location of property Inyo County, California
Estimated cost of project $36,754.44

Memorandum

To: Lawrence G. Houk, Chief, Non-Metallic Minerals Division, Defense Minerals Exploration Administration

From: Robert B. McDougal, Commodity Specialist, Branch of Construction and Chemical Materials

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

1. Date of subject document: 6-21-57. 2. Date received by reviewer: 6-27-57.

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

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

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

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

7. Explain items marked yes above:

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 [x]
   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)

Robert B. McDougal
Robert B. McDougal

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 5 1957

DATE	INITIALS	CODE
7-5	C	220
7-8	[illegible]	600

IN REPLY REFER TO:

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

Memorandum

July 3, 1957

To: L. G. Houk, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4769, Johnson & Maxfield, Lawrence prospect, Inyo County, California, (fluorspar).

The applicant proposes to explore for fluorspar deposits on three mining claims located at the north end of the Panamint range in California. The proposed project would consist of a total of 250 feet of trenching in five trenches and 3,000 feet of Ax core drilling, all at a total estimated cost of $36,755.

From the applicant's descriptions and maps it is not possible to tell exactly where his claims are located. No significant amounts of fluorspar have ever been produced in Inyo County. It appears, however, that there are some geological similarities, mainly in rock types, between the applicant's property and the Daisy fluorite mine at Beatty, Nevada, some 30 miles to the east. The Daisy mine has been a good fluorite producer.

There does not appear to be sufficient information in Washington files by which an adequate appraisal of the property could be made. I recommend, accordingly, that the application be referred to the Field Team for further action.

The applicant states that he owns several items of mining machinery and that he proposes to rent that equipment to the joint venture at prevailing rates. Such an arrangement would not be in accord with usual DMEA operating procedure.

W. P. Williams

W. P. Williams

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

June 27, 1957

Mr. Walter W. Johnson
Stanley Dollar Building
Room 660
14 Battery Street,
San Francisco 11, California

Subject: DMEA-4769

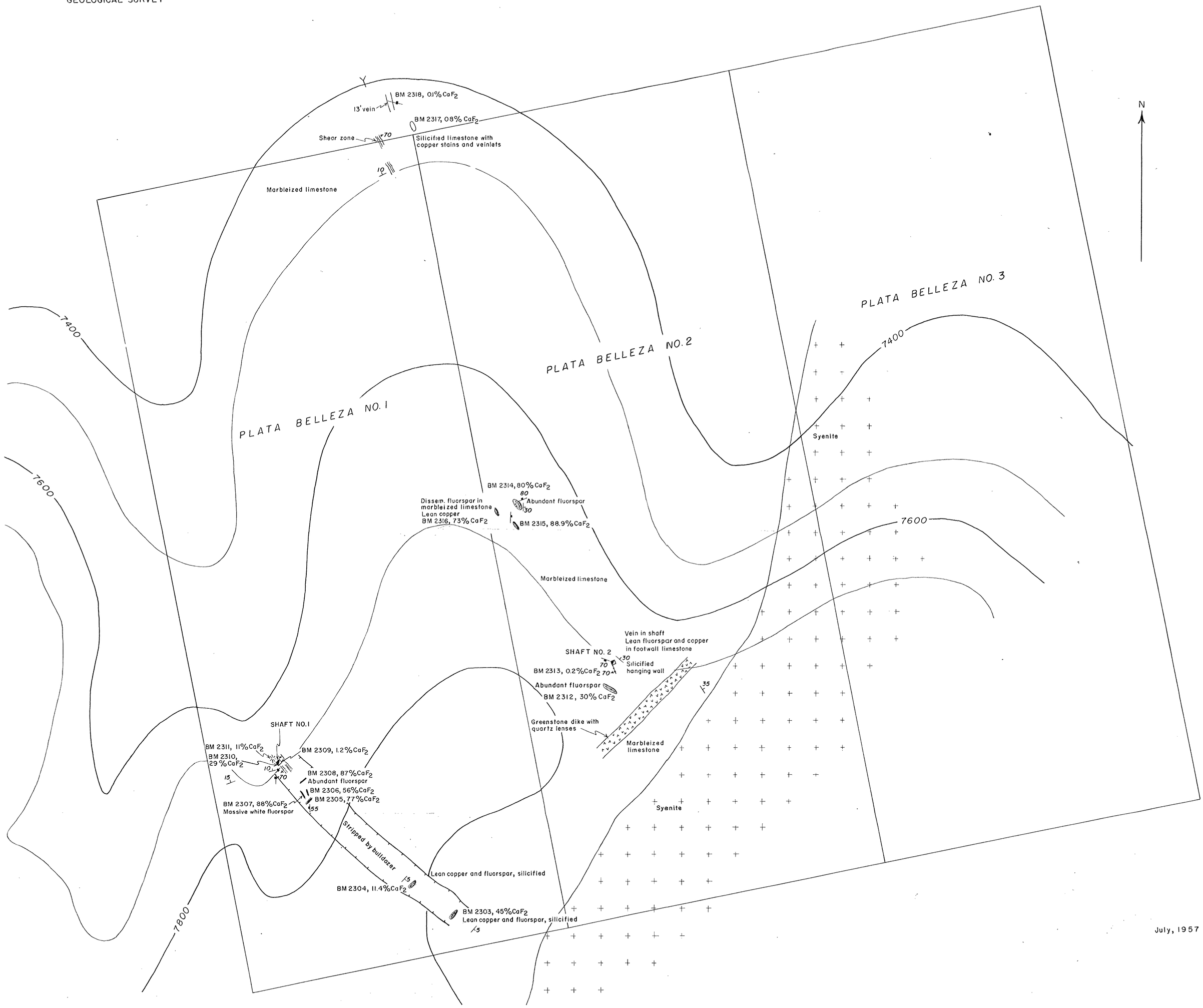
Dear Mr. Johnson:

Your application for exploration assistance, dated June 21, 1957 submitted to our office at Reno, Nevada has been assigned Docket Number DMEA-4769 and referred to the Non Metallics Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region IX

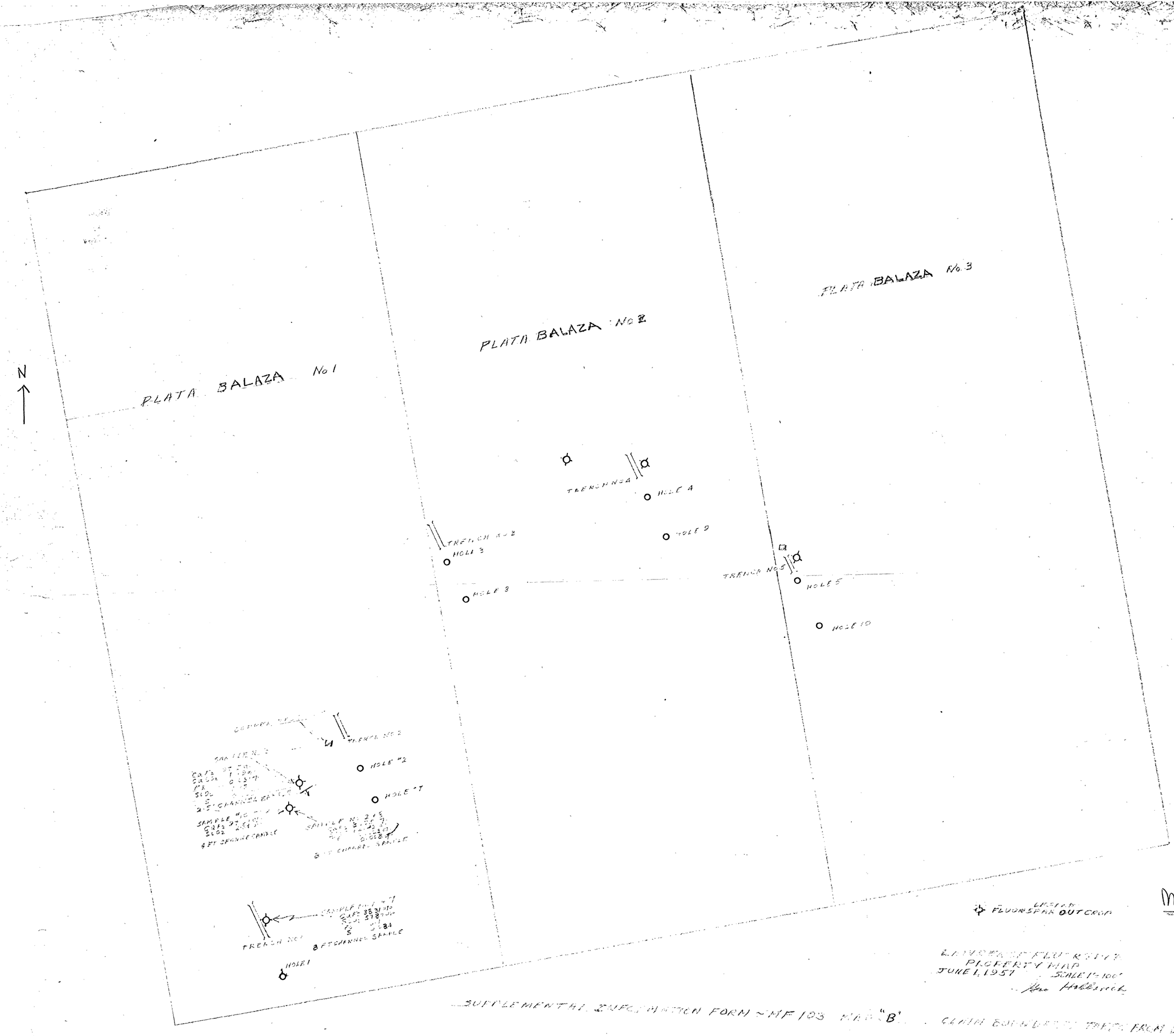


July, 1957

Figure 2. LAWRENCE FLUORSPAR CLAIMS, INYO COUNTY, CALIFORNIA

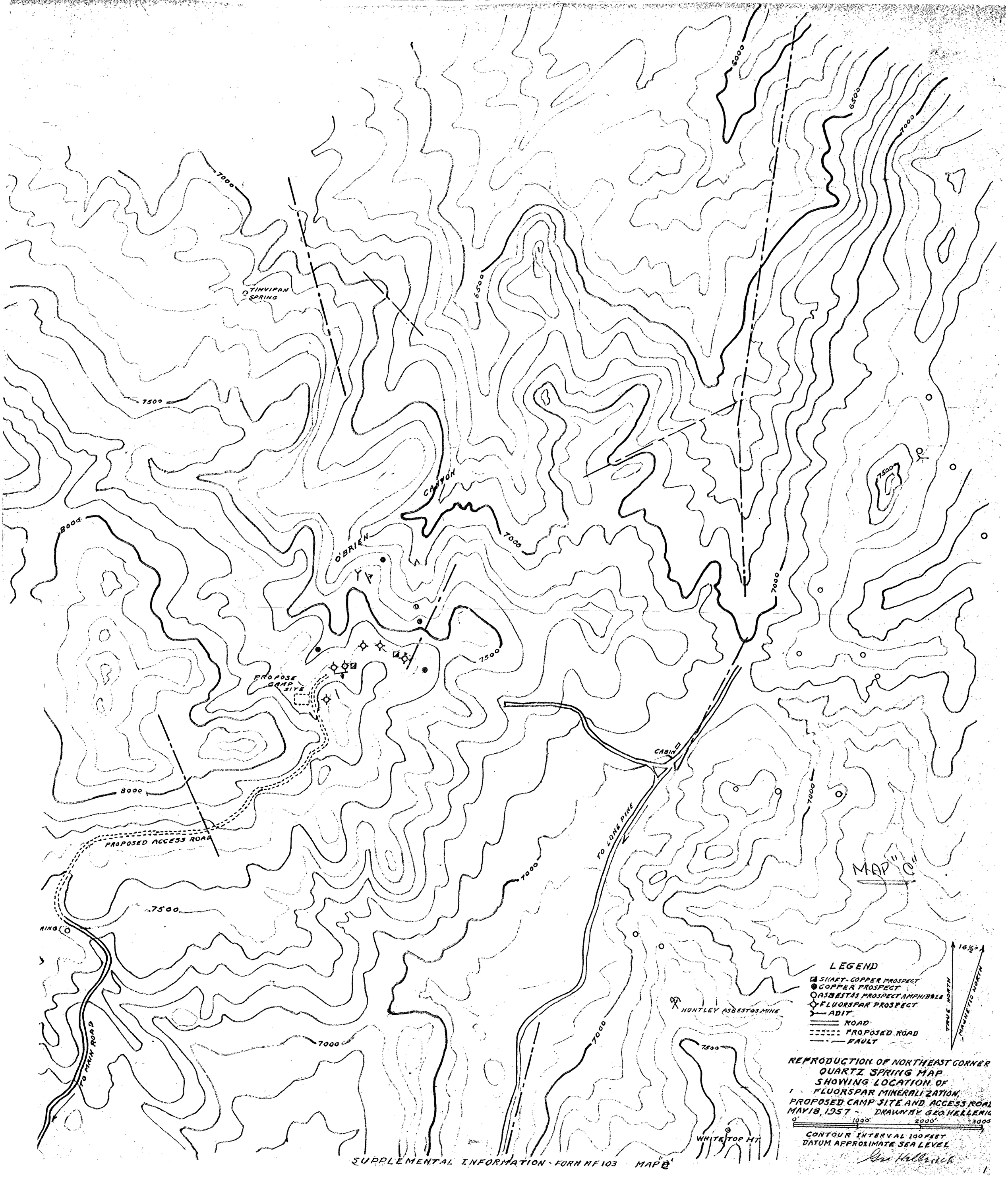
0 100 200 300 Feet

Contour interval 100 feet



PROPERTY MAP
JUNE 1, 1951 SCALE 1" = 100'

SUPPLEMENTAL INFORMATION FORM - MF 103 MAP "B" CLAIM BOUNDARIES TAKEN FROM SKETCH MAP



SUPPLEMENTAL INFORMATION - FORM MF 103 MAP "C"