400

JAN 26 1956

Mr. and Mrs. Frank E. Mittie
2858 C Street
Selma, California

Re: Docket No. DMEA 4028-Tungsten
Kingsrow Mine
Fresno County, California

Dear Mr. and Mrs. Mittie:

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

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

Careful study of our information, although noting a small amount of tungsten mineralization on the Kingsrow group of claims, indicates to us that the probability of disclosing minable tungsten ore reserves is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Wilcox

Administrator

cc: Docket
Code 400
Adm. Read. File
Oper. Committee
T. Kiilsgaard, USGS
R. W. Holliday, USBM
FT, Region 2

SPHolt/ls
1/24/56

400

January 24, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $28,385.90
Docket No. DMEA 4028 - Tungsten
Frank E. Mittie and Bernice I. Mittie
Kingsrow Mine
Fresno County, California

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

(1) The applicants, Frank E. Mittie and Bernice I. Mittie, 2858 C Street, Selma, California, requested exploration assistance in the amount of $28,385.90 for an improved access road, new camp buildings, and driving 100 feet of drift on the Christenson Lane claims.

(2) The applicants are the owners of the Kingsrow Nos. 1 to 6 unpatented lode mining claims, situated in section 9, T. 12 S., R. 26 E., M. D. B. & M., within the Sierra National Forest, Fresno County, California.

(3) The proposed program is to construct 2½ miles of access road, erect new camp buildings, and drive 100 feet in an adit on the Kingsrow group of claims.

(4) In the area of the Kingsrow claims group, sparse tungsten mineralization occurs in outcrops and a shallow surface cut, but there is little or no indication that minable bodies of tungsten ore will be discovered by the work proposed under the applicants' exploration program.

(5) The Field Team concludes that further exploration of this property is not warranted and recommends denial. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

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

cc: Docket
Code 400 ✓
Adm. Read. File
Oper. Comm.

SPHolt/ls
1/24/56

400

January 18, 1956

Memorandum

To: Chief, Iron & Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: Commodity Specialist-Tungsten

Subject: Review of Field Team Report
Docket No. DMEA-4028
Kingsrow Mine
Fresno County, California
Frank and Bernice Mittie
$28,385.90-Tungsten

Subject application proposes 100 feet of drifting along a mineralized zone which is cut off only 4 feet from the point of departure. The field team believes the proposed exploration to be unsound geologically and did not find evidence which would warrant other exploration on the Kingsrow claims.

I concur in the recommendation of denial.

R. W. Holliday

R. Holliday/tra

Copy to: Ferrous Metals
Mr. Geehan
Mr. Holliday
DMEA file 4028
F I L E S

IN REPLY REFER TO:

400

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

RECEIVED
JAN 18 1956

January 11, 1956

Re: DMEA 4088
Frank and Beraice Mittie
Kingsrow Mine
Fresno County, California
$28,385.90 - Tungsten

Memorandum

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

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

Subject: Review of Field Team report.

The applicants applied for assistance in exploring a scheelite-bearing tactite zone. The estimated cost of the proposed project is $28,385.90. The work proposed includes access road work and 100 feet of drifting. The costs of a new camp and equipment are included in the total.

The examiners found the main scheelite-bearing tactite to consist of 2 vertical lenses each about 1½ feet wide. The lenses are exposed for 15 feet in an open cut about 7 feet deep, one side of which is about 4 feet from the contact of steeply dipping calcareous metasedimentary rocks and granodiorite. The contact is about at right angles to the northeasterly strike of the lenses and the calcareous rocks. The dip of the contact is not given but as mapped would appear to be to the southwest.

A sample across one 18-inch lens assayed 0.91% WO_3 and across the other 18-inch lens 0.20% WO_3. About 4 feet of schist separates the lenses. About 10 tons of ore averaging 0.55% WO_3 has been mined in the open cut and about 8 tons of the same grade remains in place between the side of the open cut and the granodiorite. The 0.55% would seem to be the average of the material taken from the 0.91% and the 0.20% lenses. The total length of the lenses is taken to be 15 feet.

Exploration by drifting would not be practicable unless the tactite lenses extend much further from the contact than indicated. Sinking would be feasible but is hardly worth while since the tonnage per vertical foot would not exceed about 3½ tons of 0.55% WO_3 material along with 4½ tons of waste.

The conclusions of the examiners are well supported and I concur with the recommendation of the Field Team that the application be denied.

H. E. Nelson

H. E. Nelson

HENelson:jch
8-1/11/96
cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file
R. Holliday 3513

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

402

1605 Evans Avenue
Reno, Nevada

January 4, 1956

Memorandum

WJM

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4028 (Tungsten)
Frank E. Mittie & Bernice I. Mittie
Kingsrow Mine
Fresno County, California

Reference is made to your letter of November 23, 1955 requesting a field examination of subject property.

Attached are four copies of a report by B. H. Sheahan, Bureau of Mines and D. B. Tatlock, Geological Survey, in which it is recommended that application of DMEA exploration aid be denied.

Roscoe Smith and I concur in the recommendation.

S. Ricker

Attach.

SRicker:gh
cc: R. M. Smith
File

RECEIVED
JAN 6 1956

Reviewed by
DMEA OPERATING COMMITTEE
1-11-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4028 (Tungsten) Kingsrow Mine
Frank E. and Bernice I. Mittie
Fresno County, California

By

B. H. Sheahan
Mining Engineer
U. S. Bureau of Mines

D. B. Tatlock
Geologist
U. S. Geological Survey

January 3, 1956

Reviewed by
DMEA OPERATING COMMITTEE

(date)

CONTENTS

	Page
Introduction	1
Conclusions and recommendations	1
Location, Accessibility, and Local Resources	2
History and Production	2
Property and Ownership	3
Development	3
General Geology	3
Ore Deposits	4
Sampling	5
Ore Reserves	5
Proposed Exploration	5

ILLUSTRATIONS

Fig. 1. - Location map, Kingsrow Mine, Fresno County, Calif.

Fig. 2. - Geologic map of part of Kingsrow claims, Fresno County, Calif.

INTRODUCTION

Mr. Frank E. Mittie and his wife, Mrs. Bernice I. Mittie, 2858 C. Street, Selma, California, applied for Government assistance in a $28,385.90 program to explore for tungsten at their Kingsrow group of claims, Fresno County, California. The work, which the applicants proposed, included the construction of access roads and driving 100 feet of drift.

A field examination was requested by the Operating Committee November 23, 1955; and on December 3, 1955 the property was examined by B. H. Sheahan, Bureau of Mines and D. B. Tatlock, Geological Survey, who were accompanied by the applicants. The examination included mapping and sampling the best scheelite-bearing tactite exposures and making a general reconnaissance of the property.

CONCLUSIONS AND RECOMMENDATIONS

The Kingsrow claims contain several small, sporadically distributed pods and lenses of scheelite-bearing tactite in steeply dipping schist and hornfels adjacent to granodiorite. About 200 tons of reserves averaging 0.39 percent WO_3 can be inferred from the several small tactite bodies.

The applicant proposes to explore what he considers the best ore showing by driving a 100-foot adit on the ore. The soundness of this proposal is not substantiated by geological evidence. Because of

the small size and sporadic distribution of the tactite bodies and the incompetency of the applicant, it is recommended that Government assistance be denied.

LOCATION, ACCESSIBILITY, AND LOCAL RESOURCES

The Kingsrow group of claims are in section 9, T. 12 S., R. 26 E., MDB&M (projected) at an elevation of approximately 3,000 feet within the Sierra National Forest, Fresno County, Calif. (Fig. 1)

To reach the property from Selma, Calif., follow a paved road northerly through Centerville; thence a paved road along the north side of the Kings River to Balch Camp at the intersection of Dinkey Creek and the North Fork of Kings River. From Balch Camp, follow a graded dirt road westerly across the Dinkey Creek bridge (elev. 1130) and a steep dirt road northwesterly 3.6 miles; turn left (elev. 2700) and follow an unimproved dirt road and jeep trail southerly 0.8 mile. The total distance from Selma is 69.4 miles. The property is inaccessible during wet weather because of the muddy condition of the dirt roads.

Water and transmitted electric power are available at Balch Camp. There is a sparse growth of oak and brush in the area.

HISTORY AND PRODUCTION

The applicants stated that tungsten occurrences were discovered in 1949, but no production was made and the claims were abandoned.

PROPERTY AND OWNERSHIP

In April 1955, Mr. Frank E. Mittie relocated six unpatented lode mining claims. These include the Kingsrow No. 1 to No. 6, which are recorded in Book 3597 - page 118, 3621-390, 3621-392, 3621-394, 3631-630, and 3671-567 at Fresno, Calif.

The following equipment is owned by the applicant:

1 Bulldozer, D4
1 Jeep
1 Air compressor, 105 cfm
1 Jackhammer with drill steel and hose
1 Tent and camp stove
Miscellaneous hand tools and supplies

The applicants lack mining experience and believed that a divining rod type of survey has indicated a large ore body. The instrument used was called a Gredar and was said to indicate the exact dimensions of the deposit.

DEVELOPMENT

Exploration work consists of two open cuts about 12 feet in depth and several shallow prospect pits.

GENERAL GEOLOGY

The Kingsrow claims are in an area of moderate to steep relief on the west slope of the Sierra Nevada. The oldest rocks are a series of metamorphic equivalents of pre-Cretaceous sedimentary and volcanic rocks which have been folded and intruded by igneous bodies of the Sierra Nevada batholith. The intrusives are chiefly felsitic masses

that range in composition from quartz diorite to granite. Schistosity and bedding in the metamorphics have a general northwest strike, and local northeasterly strikes, and steep dips. Large, close folds are the most pronounced structures.

ORE DEPOSITS

The tungsten mineralization is in small sporadically distributed tactite bodies at or near the contact of steeply dipping calcareous metasedimentary rocks with granodiorite. Scheelite is the only ore mineral that was noted. Individual tactite bodies range in size from tiny pods less than a foot long to lenses 15 feet long and as much as 18 inches thick. No large bodies of calcareous rock were seen.

The tactite is a fine to medium grained garnet-pyroxene rock with various amounts of quartz, calcite, epidote, amphibole, wollastonite and metallic sulfides. Metallic minerals occurring with scheelite include pyrite, chalcopyrite, and arsenopyrite.

Approximately 10 tons of ore averaging 0.55 percent WO_3 has been mined from an open cut where parallel lenses of tactite in schist are exposed at the granodiorite contact (fig. 2). The lenses are each about 18 inches wide and 7 feet high and are separated by 4 feet of schist which strikes northeasterly and dips vertically. Both the schist and the tactite are cut off by granodiorite about 4 feet northeast of the open cut.

SAMPLING

The best scheelite-bearing exposures on the property were examined with ultra-violet light and were sampled.

Sample No.	Width, feet	%, WO_3	Remarks
S-423	1.5	0.91	Select material. Kings Row #1 & #2
S-424	1.5	0.20	" " " " pit
S-425	Select	0.06	Kingsrow No. 4 claim

ORE RESERVES

About 8 tons of ore averaging 0.55 percent WO_3 is blocked out in the open cut. There are no indicated or inferred reserves in the mapped area (fig. 2).

On all six of the Kingsrow claims about 200 tons of reserves averaging about 0.39 percent WO_3 can be inferred from several small sporadically distributed pods and lenses of tactite.

PROPOSED EXPLORATION

The applicant proposes to explore the property by a 100-foot adit to be driven about N. 30° E. from the scheelite showing in the open cut (fig. 2). The program includes an improved access road, new camp buildings, and mining equipment, at a total estimated cost of $28,385.90.

The program is unsound geologically; the adit would be driven into granodiorite which crops out 4 feet northeast of the open cut. Exploration on other parts of the Kingsrow claims is not warranted. Further prospecting may disclose other and larger tactite outcrops in the vicinity.

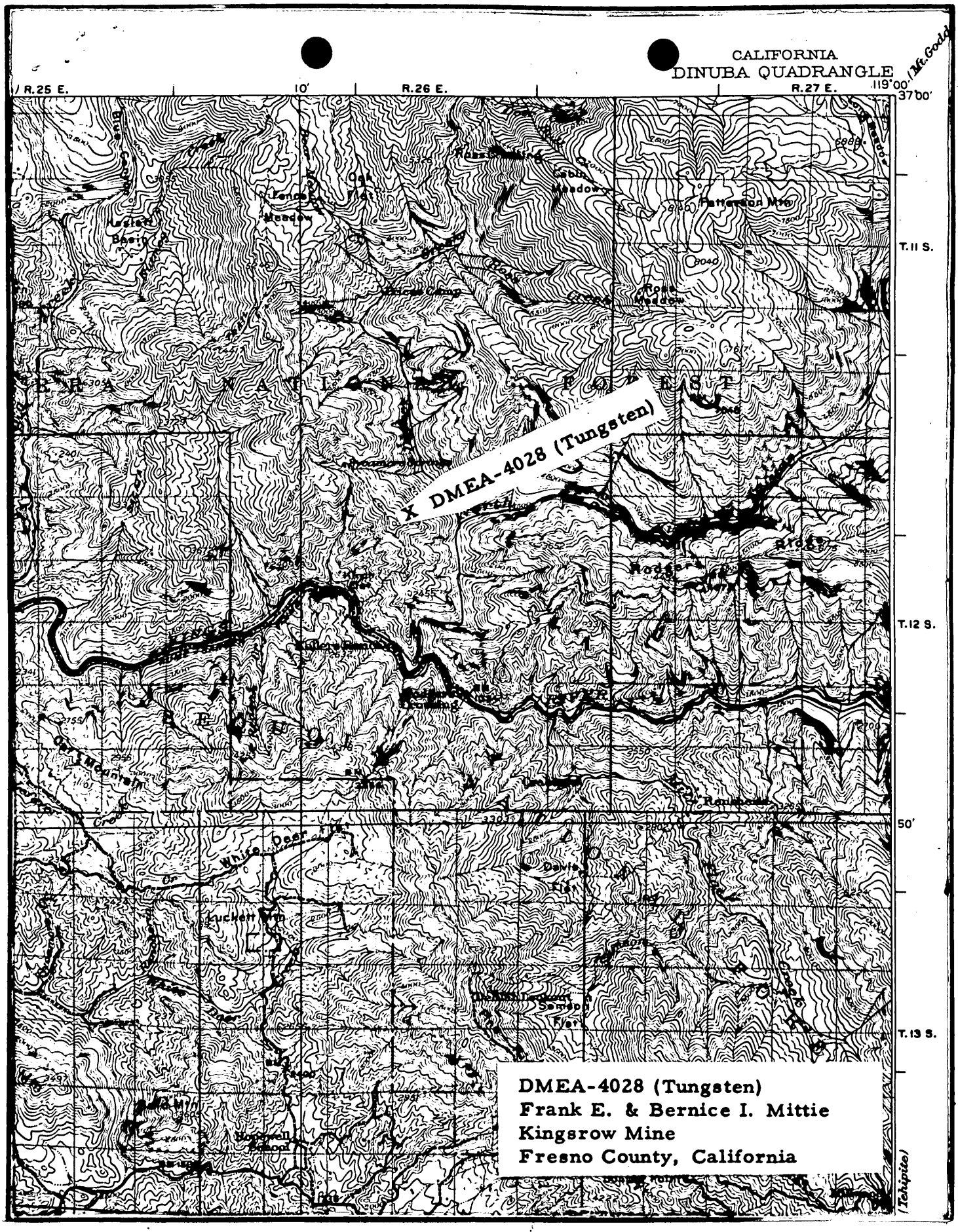

Fig. 1 LOCATION MAP CALIFORNIA

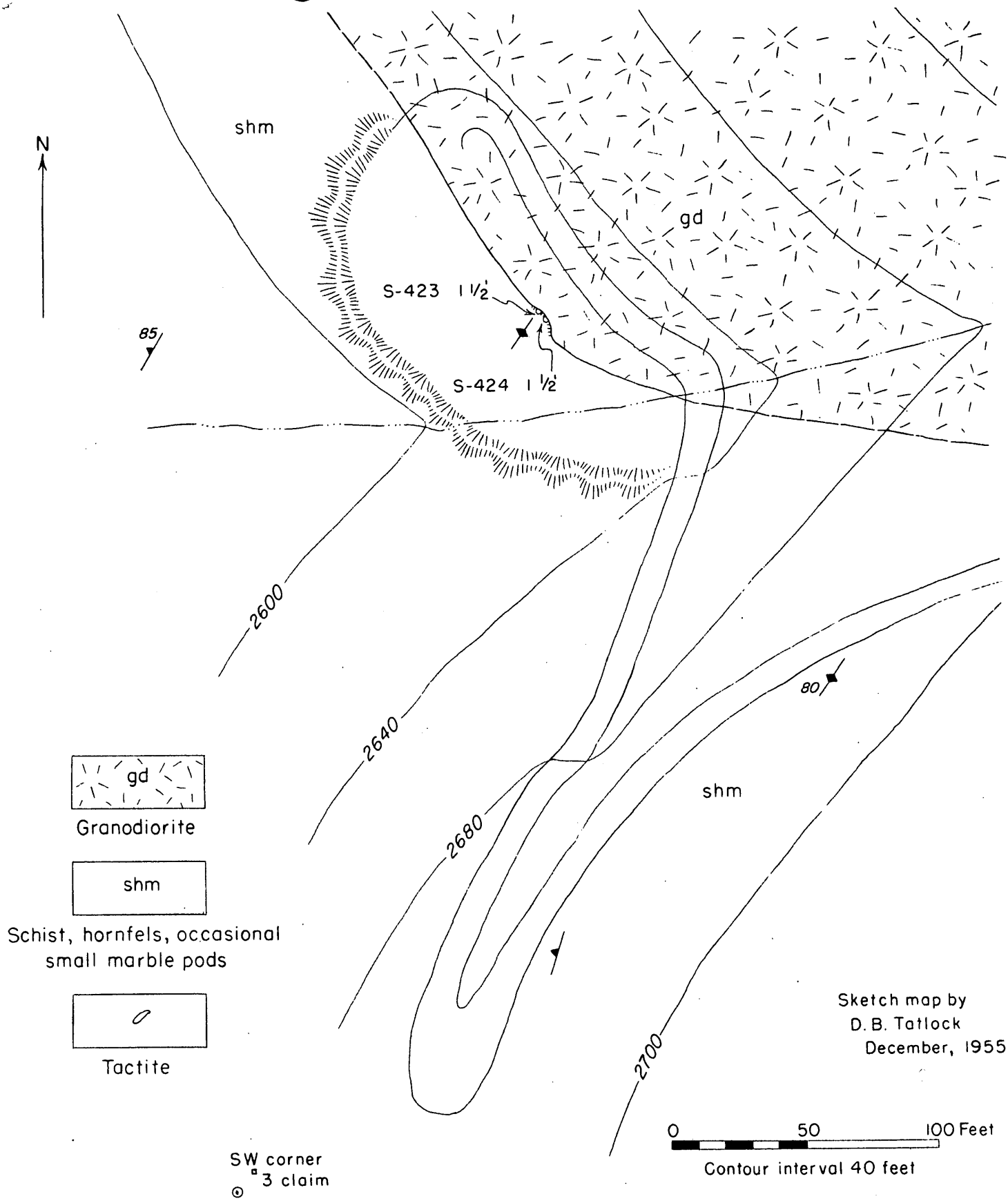

Figure 2. Geologic map of part of Kingsrow claims, Fresno County, California.

NOV 23 1955

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

Re: Docket No. DMEA 4028 - Tungsten
Frank E. Mittie & Bernice I. Mittie
Kingsrow Mine
Tulare County, California

Dear Mr. Richer:

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

Copies of memoranda dated October 26 and November 16, 1955, by N. E. Nelson, Geological Survey, and R. W. Holliday, Bureau of Mines, respectively, relating to the project, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

ADMcMAHON/foc 11/21/55
cc to: Docket
Code 400
Adm. Read. File
Operating Comm.
FT. REG. II
Messrs. Holliday, USBM
Killsgaard, USGS

APPROVED:

/s/ Robert W. Geehan

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

400

NOV 23 1955

Frank E. Mittie and Bernice L. Mittie
2858 C Street
Selma, California

Re: Docket No. DMEA 4028 - Tungsten
Kingsrow Mine
Tulare County, California

Dear Mr. & Mrs. Mittie:

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

Any assistance that you can give the members of the Field Team will be appreciated.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

EDMcMAHON/foc
11/21/55
cc to: Docket
Code 400
Admr. Read. File
Operating Comm.
FT. REG. II
Messrs. Holliday, USBM
Kiilsgaard, USGS

400

RECEIVED
NOV 18 1955

November 16, 1955

Memorandum

To: Chief, Iron & Ferroalloys Division-DMEA
Through: Acting Chief, Branch of Ferrous Metals & Ferroalloys

From: Commodity Specialist-Tungsten

Subject: Docket No. DMEA-4028
Kingsrow Mine
Frank E. and Bernice I. Mittie
2858 C. Street
Selma, California
Application for assistance $28,385.90

It is recommended that a field referral be made.

R. W. Holliday

RWHolliday/tra

Copy to: Ferrous Metals
Mr. Geehan
Mr. Holliday
Files

RECEIVED
NOV 18 1955

November 16, 1955

Memorandum

To: Chief, Iron & Ferroalloys Division-DMEA
Through: Acting Chief, Branch of Ferrous Metals & Ferroalloys

From: Commodity Specialist-Tungsten

Subject: Docket No. DMEA-4028
Kingsrow Mine
Frank E. and Bernice I. Mittie
2858 C. Street
Selma, California
Application for assistance $28,385.90

It is recommended that a field referral be made.

R. W. Holliday

RWHolliday/tra

Copy to: Ferrous Metals
Mr. Geehan
Mr. Holliday
Files

IN REPLY REFER TO:

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

RECEIVED
OCT 27 1955

October 26, 1955

Re: DMEA 4028
Frank and Bernice Mittie
Kingsrow Mine
Tulare Co., Calif.
$28,385.90 - Tungsten

Memorandum

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

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

Subject: Review of application.

Copy retained 400

The applicants request assistance in the exploration of a new discovery in a tactite zone. The work would consist of work on an access road, new camp buildings, equipment, and 100 feet of drifting.

No particulars as to the degree to which "the tactite is filled with tungsten" are given.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/26/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. Holliday, 3513

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

400

RECEIVED
OCT 21 1955

1605 Evans Avenue
Reno, Nevada

Elmer
4028

October 19, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application
Kingsrow Tungsten
Frank E. Mittie & Bernice I. Mittie
Selma, California

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

S. Ricker

Attach.

SRicker:gh
cc: R. M. Smith
File

400

Docket
Holt
Martin
Gechan
Kilsgaard
Selfridge
Johnson

JAN 26 1956

Mr. and Mrs. Frank E. Mittie
2858 C Street
Selma, California

Re: Docket No. DMEA 4023-Tungsten
Kingsrow Mine
Fresno County, California

Dear Mr. and Mrs. Mittie:

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

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

Careful study of our information, although noting a small amount of tungsten mineralization on the Kingsrow group of claims, indicates to us that the probability of disclosing minable tungsten ore reserves is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

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

Sincerely yours,

E. O. Netzeker (for)

Administrator

cc: Docket
Code 400
Adm. Read. File
Oper. Committee
T. Kiilsgaard, USGS
R. W. Holliday, USBM
FT, Region 2

SPHolt/ls
1/24/56

R.C.S.

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

January 24, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $28,385.90
Docket No. DMEA 4028 - Tungsten
Frank E. Mittie and Bernice I. Mittie
Kingsrow Mine
Fresno County, California

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

(1) The applicants, Frank E. Mittie and Bernice I. Mittie, 2858 C Street, Selma, California, requested exploration assistance in the amount of $28,385.90 for an improved access road, new camp buildings, and driving 100 feet of drift on the Christenson-Lane claims.

(2) The applicants are the owners of the Kingsrow Nos. 1 to 6 unpatented lode mining claims, situated in section 9, T. 12 S., R. 26 E., M. D. B. & M., within the Sierra National Forest, Fresno County, California.

(3) The proposed program is to construct 2¼ miles of access road, erect new camp buildings, and drive 100 feet in an adit on the Kingsrow group of claims.

(4) In the area of the Kingsrow claims group, sparse tungsten mineralization occurs in outcrops and a shallow surface cut, but there is little or no indication that minable bodies of tungsten ore will be discovered by the work proposed under the applicants' exploration program.

(5) The Field Team concludes that further exploration of this property is not warranted and recommends denial. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

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

400

Docket
Holt
Martin

January 24, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $28,385.90
Docket No. DMEA 4028 - Tungsten
Frank E. Mittie and Bernice I. Mittie
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W. S. Martin, Chief
Iron and Ferro-Alloys Division

cc: Docket ✓
Code 400
Adm. Read. File
Oper. Comm.

SPHolt/ls
1/24/56

Docket

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

January 18, 1956

Memorandum

WSG

To: Chief, Iron & Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: Commodity Specialist-Tungsten

Subject: Review of Field Team Report
Docket No. DMEA-4028
Kingsrow Mine
Fresno County, California
Frank and Bernice Mittie
$28,385.90-Tungsten

Subject application proposes 100 feet of drifting along a mineralized zone which is cut off only 4 feet from the point of departure. The field team believes the proposed exploration to be unsound geologically and did not find evidence which would warrant other exploration on the Kingsrow claims.

I concur in the recommendation of denial.

R W Holliday
R. W. Holliday

Copy to: Ferrous Metals
Mr. Geehan
Mr. Holliday
DMEA file 4028
F I L E S

Copy retained 400

IN REPLY REFER TO:

Docket

RECEIVED

JAN 18 1956

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

January 11, 1956

Re: DMEA 4028
Frank and Bernice Mittie
Kingsrow Mine
Fresno County, California
$28,385.90 - Tungsten

Memorandum

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

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

Subject: Review of Field Team report.

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The examiners found the main scheelite-bearing tactite to consist of 2 vertical lenses each about 1½ feet wide. The lenses are exposed for 15 feet in an open cut about 7 feet deep, one side of which is about 4 feet from the contact of steeply dipping calcareous metasedimentary rocks and granodiorite. The contact is about at right angles to the northeasterly strike of the lenses and the calcareous rocks. The dip of the contact is not given but as mapped would appear to be to the southwest.

A sample across one 18-inch lens assayed 0.91% WO_3 and across the other 18-inch lens 0.20% WO_3. About 4 feet of schist separates the lenses. About 10 tons of ore averaging 0.55% WO_3 has been mined in the open cut and about 8 tons of the same grade remains in place between the side of the open cut and the granodiorite. The 0.55% would seem to be the average of the material taken from the 0.91% and the 0.20% lenses. The total length of the lenses is taken to be 15 feet.

Exploration by drifting would not be practicable unless the tactite lenses extend much further from the contact than indicated. Sinking would be feasible but is hardly worth while since the tonnage per vertical foot would not exceed about 3½ tons of 0.55% WO_3 material along with 4½ tons of waste.

Copy retained 400

The conclusions of the examiners are well supported and I concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

DMEA

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

1605 Evans Avenue
Reno, Nevada

January 4, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4028 (Tungsten)
Frank E. Mittie & Bernice I. Mittie
Kingsrow Mine
Fresno County, California

Reference is made to your letter of November 23, 1955 requesting a field examination of subject property.

Attached are four copies of a report by B. H. Sheahan, Bureau of Mines and D. B. Tatlock, Geological Survey, in which it is recommended that application of DMEA exploration aid be denied.

Roscoe Smith and I concur in the recommendation.

S. Ricker

Attach.

JAN 6 1956

Reviewed by
DMEA OPERATING COMMITTEE
1-11-56
(date)

BUREAU OF MINES
WASHINGTON, D. C.

JAN 6 9 16 AM '56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4028 (Tungsten) Kingsrow Mine
Frank E. and Bernice I. Mittie
Fresno County, California

By

B. H. Sheahan
Mining Engineer
U. S. Bureau of Mines

D. B. Tatlock
Geologist
U. S. Geological Survey

January 3, 1956

Reviewed by
DMEA OPERATING COMMITTEE
1-11-56
(date)

CONTENTS

	Page
Introduction	1
Conclusions and recommendations	1
Location, Accessibility, and Local Resources	2
History and Production	2
Property and Ownership	3
Development	3
General Geology	3
Ore Deposits	4
Sampling	5
Ore Reserves	5
Proposed Exploration	5

ILLUSTRATIONS

Fig. 1. - Location map, Kingsrow Mine, Fresno County, Calif.

Fig. 2. - Geologic map of part of Kingsrow claims, Fresno County, Calif.

INTRODUCTION

Mr. Frank E. Mittie and his wife, Mrs. Bernice I, Mittie, 2858 C. Street, Selma, California, applied for Government assistance in a $28,385.90 program to explore for tungsten at their Kingsrow group of claims, Fresno County, California. The work, which the applicants proposed, included the construction of access roads and driving 100 feet of drift.

A field examination was requested by the Operating Committee November 23, 1955; and on December 3, 1955 the property was examined by B. H. Sheahan, Bureau of Mines and D. B. Tatlock, Geological Survey, who were accompanied by the applicants. The examination included mapping and sampling the best scheelite-bearing tactite exposures and making a general reconnaissance of the property.

CONCLUSIONS AND RECOMMENDATIONS

The Kingsrow claims contain several small, sporadically distributed pods and lenses of scheelite-bearing tactite in steeply dipping schist and hornfels adjacent to granodiorite. About 200 tons of reserves averaging 0.39 percent WO_3 can be inferred from the several small tactite bodies.

The applicant proposes to explore what he considers the best ore showing by driving a 100-foot adit on the ore. The soundness of this proposal is not substantiated by geological evidence. Because of

the small size and sporadic distribution of the tactite bodies and the incompetency of the applicant, it is recommended that Government assistance be denied.

LOCATION, ACCESSIBILITY, AND LOCAL RESOURCES

The Kingsrow group of claims are in section 9, T. 12 S., R. 26 E., MDB&M (projected) at an elevation of approximately 3,000 feet within the Sierra National Forest, Fresno County, Calif. (Fig. 1).

To reach the property from Selma, Calif., follow a paved road northerly through Centerville; thence a paved road along the north side of the Kings River to Balch Camp at the intersection of Dinkey Creek and the North Fork of Kings River. From Balch Camp, follow a graded dirt road westerly across the Dinkey Creek bridge (elev. 1130) and a steep dirt road northwesterly 3.6 miles; turn left (elev. 2700) and follow an unimproved dirt road and jeep trail southerly 0.8 mile. The total distance from Selma is 69.4 miles. The property is inaccessible during wet weather because of the muddy condition of the dirt roads.

Water and transmitted electric power are available at Balch Camp. There is a sparse growth of oak and brush in the area.

HISTORY AND PRODUCTION

The applicants stated that tungsten occurrences were discovered in 1949, but no production was made and the claims were abandoned.

PROPERTY AND OWNERSHIP

In April 1955, Mr. Frank E. Mittie relocated six unpatented lode mining claims. These include the Kingsrow No. 1 to No. 6, which are recorded in Book 3597 - page 118, 3621-390, 3621-392, 3621-394, 3631-630, and 3671-567 at Fresno, Calif.

The following equipment is owned by the applicant:

1 Bulldozer, D4
1 Jeep
1 Air compressor, 105 cfm
1 Jackhammer with drill steel and hose
1 Tent and camp stove
Miscellaneous hand tools and supplies

The applicants lack mining experience and believed that a divining rod type of survey has indicated a large ore body. The instrument used was called a Gredar and was said to indicate the exact dimensions of the deposit.

DEVELOPMENT

Exploration work consists of two open cuts about 12 feet in depth and several shallow prospect pits.

GENERAL GEOLOGY

The Kingsrow claims are in an area of moderate to steep relief on the west slope of the Sierra Nevada. The oldest rocks are a series of metamorphic equivalents of pre-Cretaceous sedimentary and volcanic rocks which have been folded and intruded by igneous bodies of the Sierra Nevada batholith. The intrusives are chiefly felsitic masses

that range in composition from quartz diorite to granite. Schistosity and bedding in the metamorphics have a general northwest strike, and local northeasterly strikes, and steep dips. Large, close folds are the most pronounced structures.

ORE DEPOSITS

The tungsten mineralization is in small sporadically distributed tactite bodies at or near the contact of steeply dipping calcareous metasedimentary rocks with granodiorite. Scheelite is the only ore mineral that was noted. Individual tactite bodies range in size from tiny pods less than a foot long to lenses 15 feet long and as much as 18 inches thick. No large bodies of calcareous rock were seen.

The tactite is a fine to medium grained garnet-pyroxene rock with various amounts of quartz, calcite, epidote, amphibole, wollastonite and metallic sulfides. Metallic minerals occurring with scheelite include pyrite, chalcopyrite, and arsenopyrite.

Approximately 10 tons of ore averaging 0.55 percent WO_3 has been mined from an open cut where parallel lenses of tactite in schist are exposed at the granodiorite contact (fig. 2). The lenses are each about 18 inches wide and 7 feet high and are separated by 4 feet of schist which strikes northeasterly and dips vertically. Both the schist and the tactite are cut off by granodiorite about 4 feet northeast of the open cut.

SAMPLING

The best scheelite-bearing exposures on the property were examined with ultra-violet light and were sampled.

Sample No.	Width, feet	%, WO_3	Remarks
S-423	1.5	0.91	Select material. Kings Row #1 & #2
S-424	1.5	0.20	" " " " pit
S-425	Select	0.06	Kingsrow No. 4 claim

ORE RESERVES

About 8 tons of ore averaging 0.55 percent WO_3 is blocked out in the open cut. There are no indicated or inferred reserves in the mapped area (fig. 2).

On all six of the Kingsrow claims about 200 tons of reserves averaging about 0.39 percent WO_3 can be inferred from several small sporadically distributed pods and lenses of tactite.

PROPOSED EXPLORATION

The applicant proposes to explore the property by a 100-foot adit to be driven about N. 30° E. from the scheelite showing in the open cut (fig. 2). The program includes an improved access road, new camp buildings, and mining equipment, at a total estimated cost of $28,385.90.

The program is unsound geologically; the adit would be driven into granodiorite which crops out 4 feet northeast of the open cut. Exploration on other parts of the Kingsrow claims is not warranted. Further prospecting may disclose other and larger tactite outcrops in the vicinity.

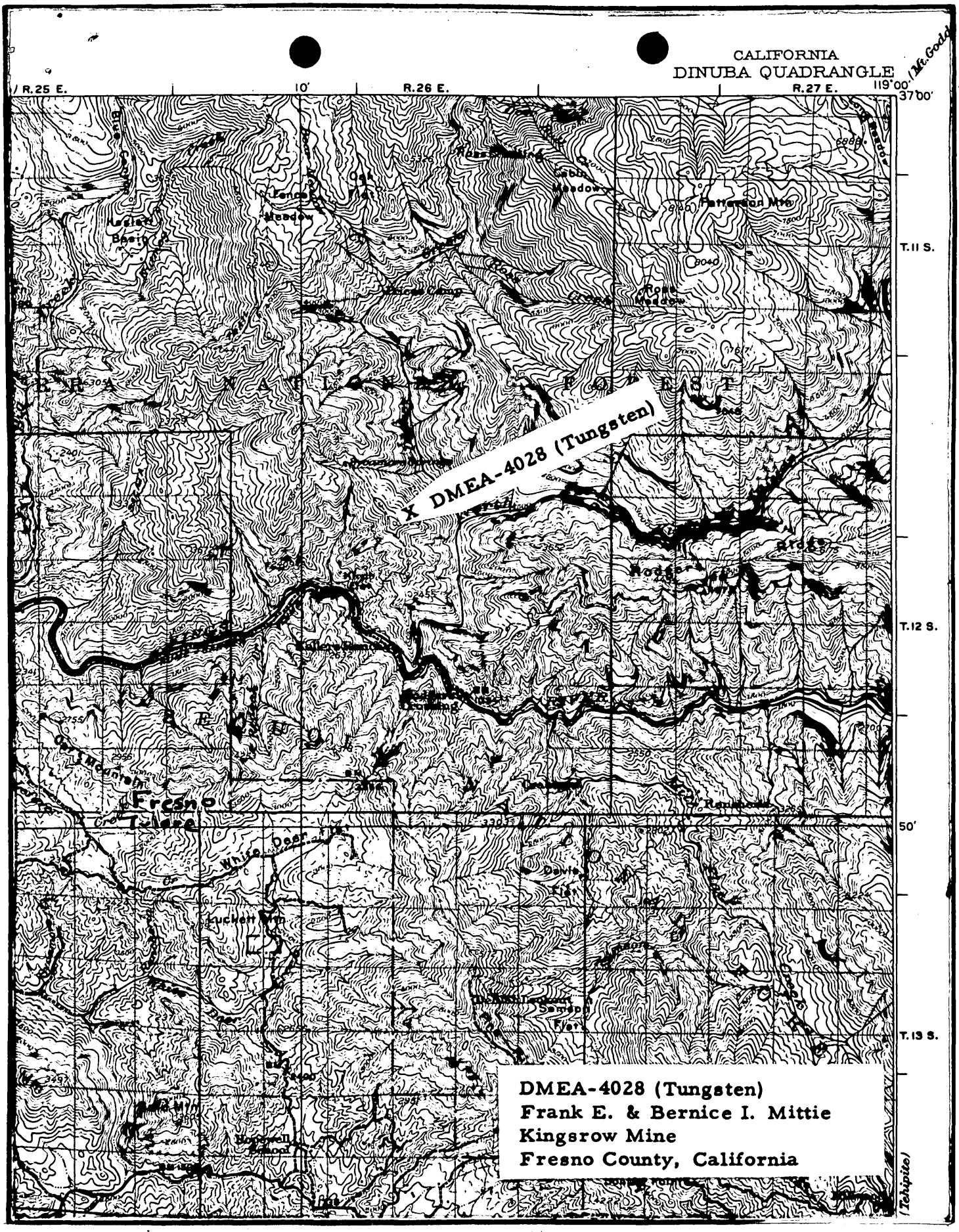

Fig. 1 LOCATION MAP CALIFORNIA

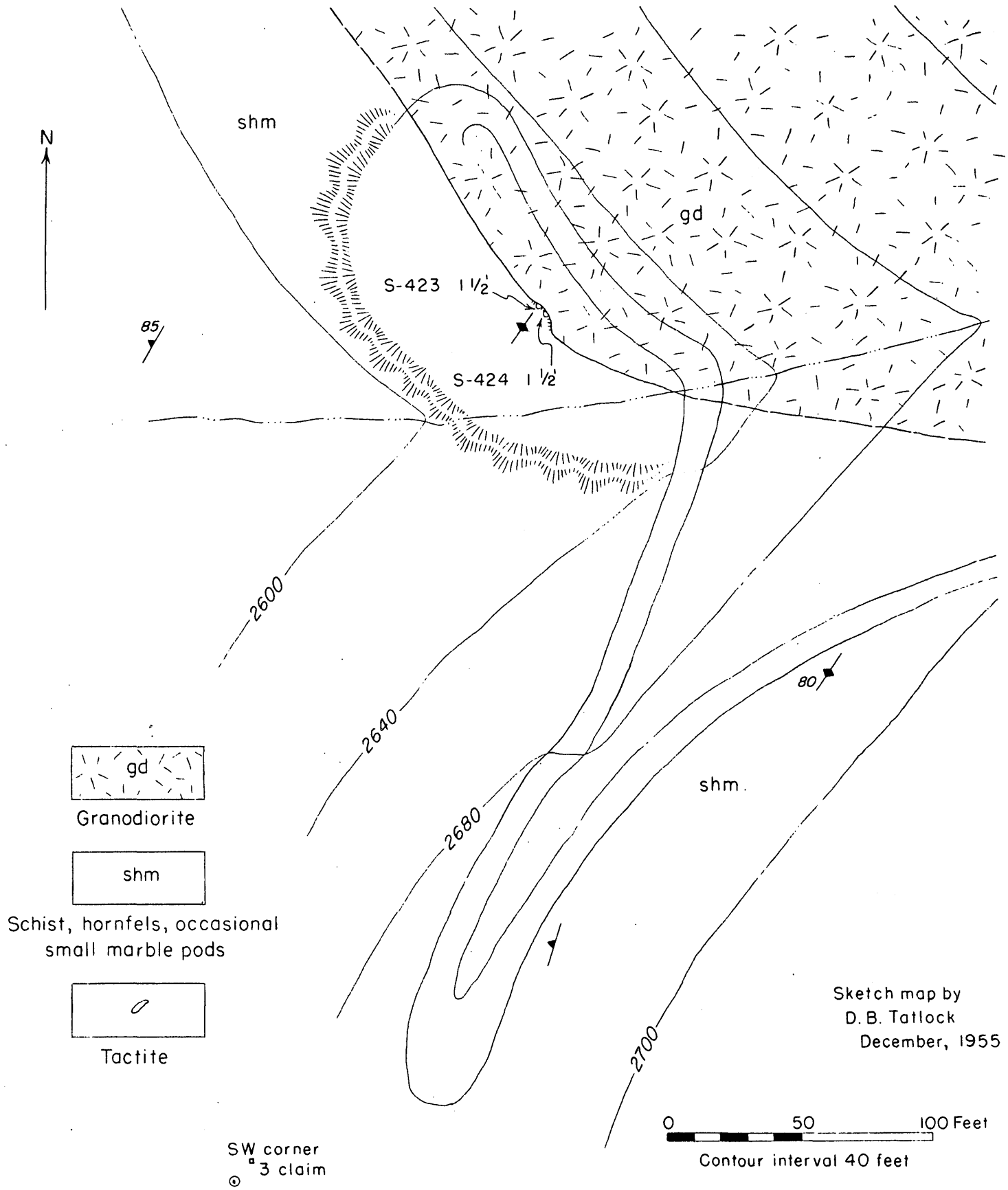

Figure 2. Geologic map of part of Kingsrow claims, Fresno County, California.

Docket

RECEIVED
NOV 18 1955

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

November 16, 1955

Memorandum

To: Chief, Iron & Ferroalloys Division-DMEA
Through: Acting Chief, Branch of Ferrous Metals & Ferroalloys

From: Commodity Specialist-Tungsten

Subject: Docket No. DMEA-4028
Kingsrow Mine
Frank E. and Bernice I. Mittie
2858 C. Street
Selma, California
Application for assistance $28,385.90

It is recommended that a field referral be made.

R W Holliday
R. W. Holliday

Copy to: Ferrous Metals
Mr. Geehan
Mr. Holliday
Files

Copy [illegible]

400

DOCKET
SURNAME
McMahon
Martin
Nelson
Selfridge
F. E. Johnson

NOV 23 1955

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

Re: Docket No. DMEA 4028 - Tungsten
Frank E. Mittie & Dermiss I. Mittie
Kingsrow Mine
Tulare County, California

Dear Mr. Richer:

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

Copies of memoranda dated October 26 and November 16, 1955, by N. E. Nelson, Geological Survey, and R. W. Holliday, Bureau of Mines, respectively, relating to the project, are enclosed for your information.

Sincerely yours,

George C. Selfridge
By ESF
Chairman, Operating Committee

Enclosures

ADMcMAHON/foc 11/21/55
cc to: Docket
Code 400
Adm. Read. File
Operating Comm.
FT. REG. II
Messrs. Holliday, USBM
Kiilsgaard, USGS

APPROVED:

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

N. E. Nelson
By ESF
Member, Geological Survey

R.C.H.

DOCKET
SURNAME

400 McMahon
Martin
Nelson
Leehan
Selfridge

NOV 23 1955

Frank E. Mittie and Bernice I. Mittie
2858 C Street
Selma, California

Re: Docket No. DMEA 4028 - Tungsten
Kingsrow Mine
Tulare County, California

Dear Mr. & Mrs. Mittie:

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

Any assistance that you can give the members of the Field Team will be appreciated.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

FDMcMAHON/foc
11/21/55
cc to: Docket
Code 400
Admr. Read. File
Operating Comm.
FT. REG. II
Messrs. Holliday, USBM
Kiilsgaard, USGS

RCG

Docket

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

November 16, 1955

Memorandum

To: Chief, Iron & Ferroalloys Division-DMEA
Through: Acting Chief, Branch of Ferrous Metals & Ferroalloys

From: Commodity Specialist-Tungsten

Subject: Docket No. DMEA-4028
Kingsrow Mine
Frank E. and Bernice I. Mittie
2858 C. Street
Selma, California
Application for assistance $28,385.90

It is recommended that a field referral be made.

R W Holliday
R. W. Holliday

Docket

IN REPLY REFER TO:

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

RECEIVED
OCT 27 1955

October 26, 1955

Copy retained 400

Re: DMEA 4028
Frank and Bernice Mittie
Kingsrow Mine
Tulare Co., Calif.
$28,385.90 - Tungsten

WSA

Memorandum

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

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

Subject: Review of application.

The applicants request assistance in the exploration of a new discovery in a tactite zone. The work would consist of work on an access road, new camp buildings, equipment, and 100 feet of drifting.

No particulars as to the degree to which "the tactite is filled with tungsten" are given.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

Copy retained 400

October 21, 1955

Subject: DMEA-4028
Re: Kingsrow

Frank E. Mittie & Bernice I. Mittie
2858 C. St.,
Selma, California.

Dear Mr. & Mrs. Mittie:

The receipt of your application dated October 15, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4028 and referred to the Iron & Ferro Alloys Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

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

October 21, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA-4028 Frank E. Mittie & Bernice I. Mittie

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

DMEA
Docket

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

RECEIVED
OCT 21 1955

DMEA
4028

1605 Evans Avenue
Reno, Nevada

October 19, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application
Kingsrow Tungsten
Frank E. Mittie & Bernice I. Mittie
Selma, California

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

S. Ricker

Attach.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 21 1955

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

Not to be filled in by applicant

Docket No. 4028
Metal or Mineral Tungsten
Date Received ~~10/17/55~~ 10-21-55
Estimated Cost 28,385.90
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Frank E. Mittie & Bernice I. Mittie
2858 C Street, Selma, California

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 5 Claims - Government land located under mining laws.

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

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. (Book 3597-Page 118, 3621-390, 3621-392, 3621-394, 3631-630)

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

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

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

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

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

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

(*c*) The work will start within 15 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated Oct 15, 1955. Frank E. Mittie

Bernice J. Mittie
(Applicant)

By

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Frank E. & Bernice I. Mittie
2858 "C" Street
Selma, Calif.

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OCT 21 1955

4. Physical description

(a) Open pit, Dozer operation. New mining operation, owners, easily accessible one mile from Fence Meadow Balch Camp Road. Perhaps the road from Lindsay on Rte 65 to "Balch Park" Both in Tulare County

(b) New mine operation.

(c) Granite walls, Tactite filled with Tungsten. Vein Tungsten, need additional finances to continue exploration. Map enclosed. Operation is a new discovery.

(D) Fire road to Balch Camp 3½ miles. Access roads good. Railroad at Minkler 35 miles. on the Santa Fe in Fresno County east of Fresno

Selma is in Fresno County

(c) Ample manpower, Materials, Water, and power P.G.E. 2 miles.

5. The exploration project.-

(A) Tungsten.

(b) Work is being done on tungsten vein structure. Location of work shown on map. No present mine workings except open pit dozing. Proposed work, build a road to good grade Tungsten ore opened up, from fire road to workings about 2¼ miles. Drift 100 feet. Necessary to have access roads to tunnels and main road. Nosinking is required, if core drilled contract price is $5.00 to $6.50 per foot. No contract on core drilling as we do not feel we need it at this time. Contacts are granite, and limestone, tactite, garnet, epidote with Tungsten.

(c) The work will start within 15 days and be completed within 6 months.

(d) Applicant has two years of mining experience, (coal) Stone Canyon, Calif. and will supervise the operation with the assistance of a consulting mining engineer and two miners by trade.

Frank E. & Bernice I. Mittie
2858 "C" Street
Selma, Calif.

6. Estimate of costs.-	$ 28,385.90
(a) Independent contract.-	1,687.50
(b) Labor.-	4,680.00
(c) Operating materials and supplies.-	3,066.80
(d) Operating equipment.-	10,810.00
(e) Rehabilitation and Repairs.-	none
(f) New Buildings, improvements, installations.-	1,702.00
(g) Miscellaneous.-	1,990.00
(h) Contingencies.-	4,449.60
	$ 28,385.90

7.

(a) Yes

(b) Share of costs.- 25% $ 7,094.47

Frank E. & Bernice L. Mittie
2858 "C" Street
Selma, Calif.

6.

(a)	Road building contract.- 2½ miles of road @ 750.00 mile - app. 17 days @ 100.00 a day.	$ 1,687.50
(b)	2 Exploration miners @ 2.00 per hr. 40 hr. wk. 90 days -	$ 2,880.00
	1 Exploration miner & supervisor @ 2.50 per hr. 40 hr. wk. 90 days -	$ 1,800.00
		4,680.00
(c)	Powder - 3000 lbs. @ 25.00 a 100 -	$ 750.00
	Caps - 1000 @ 14¢	140.00
	Gasoline 3150 gals. @ 35¢	1,102.50
	Diesel 1800 gals. @ 18¢	324.00
	Oil 150 gals. 89¢	133.50
	Grease 120 lbs. @ 14¢	16.80
	Power For exploration a generator will be used, future power ample PG&E 2 miles.	
	Small Tools	
	Steels	150.00
	Bits	300.00
	Picks, shovels, axes, sledge saw & hammer, handles, etc.	100.00
	Fuel pump - gas and diesel	25.00
	Grease gun	25.00
		$ 3,066.80

Frank E. & Bernice I. Mittie
2858 "C" Street
Selma, Calif.

6.

(d) Operating equipment

Bulldozer	
Air Compressor	
Jack hammer & hose	$ 5,250.00
Jeep - 4 wheel drive	500.00
Pickup truck	1,695.00
Truck	2,500.00
Hammer jack leg	150.00
Generator	225.00
Track & car Jack Hammer	280.00
Hose 100'	60.00
Tracks & car	150.00
	$ 10,810.00

(e) Rehabilitation and repairs none

(f) New buildings, improvements, installations.-

1 Cook house 16x 24 ft. material	$ 550.00
1 Bunk house 12 x 14 ft. "	325.00
Construction	600.00
Fixtures	227.00
	$ 1,702.00

Frank E. & Bernice I. Mittie
2858 "C" Street
Selma, Calif.

6.

(g) Miscellaneous.-

Cost of repairs to and maintenance of operating equipment	$ 900.00
Analystical	100.00
Bookkeeping and accounting	375.00
Workman's Compensation	275.00
Employers liability	200.00
Payroll taxes	140.00
	$ 1,990.00

(h) Contingencies.-

20% of operating costs	$ 4,449.60

7.

(a) Yes

(b) Share of costs.- Use of equipment & money
Operator's equipment.-

Bulldozer	
Air compressor	
Jack hammer & hose	
Purchased on contract -	$ 5,250.00
Jeep	500.00
Pickup truck	1,695.00
Fuel pump gas & diesel	25.00
Grease gun	25.00
	$ 7,495.00

DEFENSE MINERALS
EXPLORATION ADMINISTRATION
[redacted]

OFFICIAL BUSINESS
U. S. GEOLOGICAL SURVEY
SOUTH 157 HOWARD ST.
SPOKANE 4, WASHINGTON

VIA AIR MAIL

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1955

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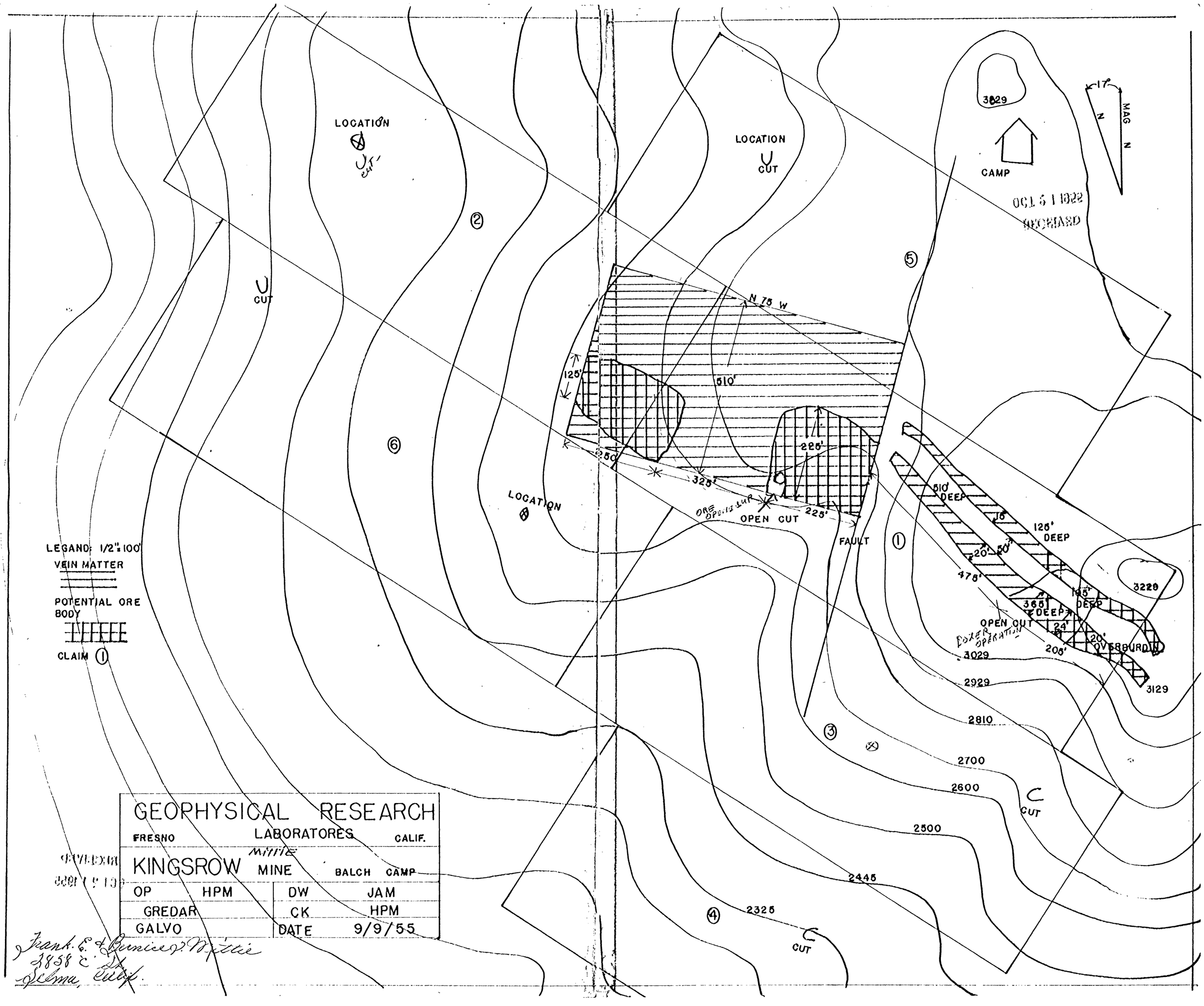
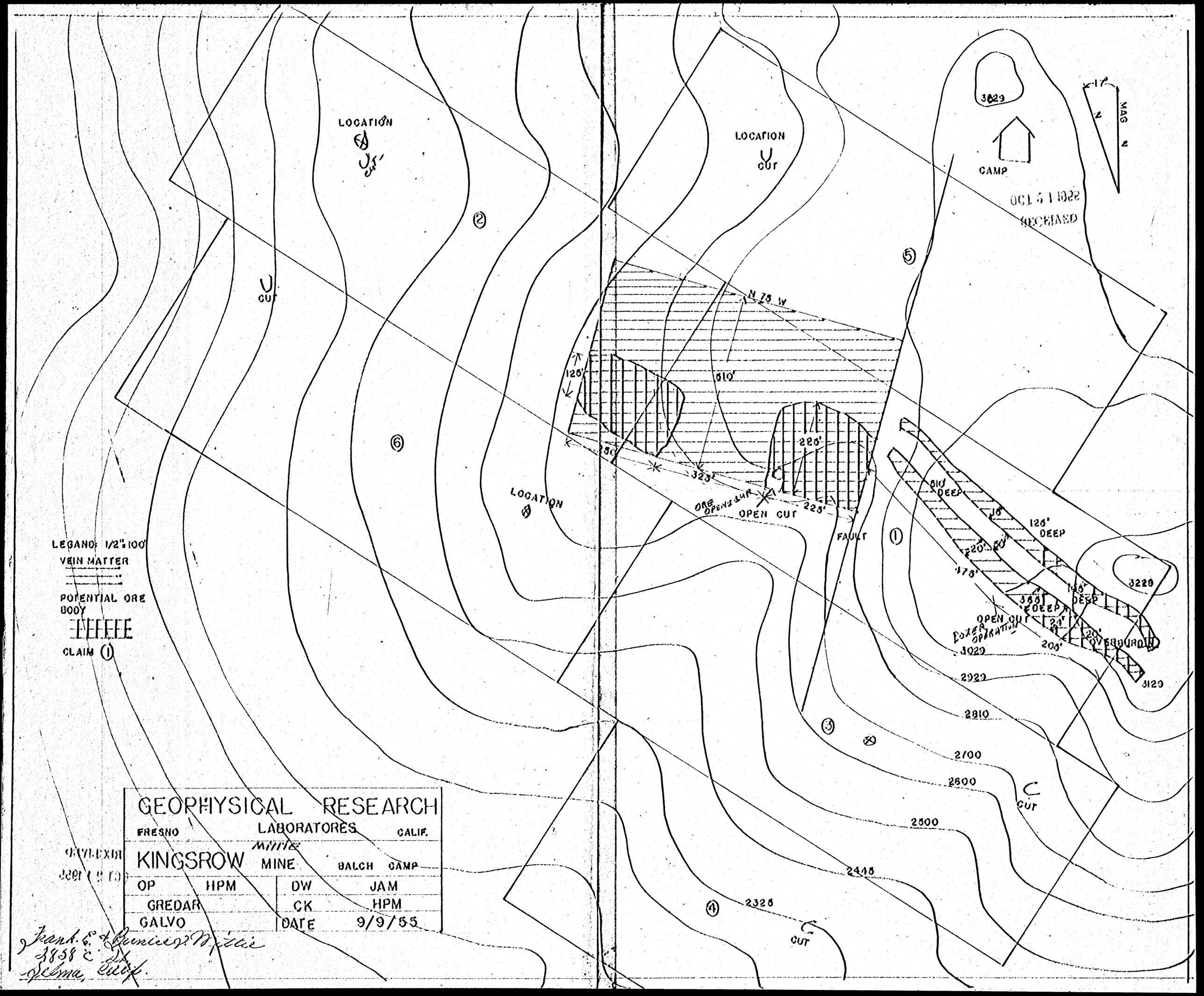
Mr. George C. Selfridge
Chairman, Operating Committee
Defense Minerals Explor. Admin.
Department of the Interior
Washington 25, D. C.

AIR MAIL



Frank E. & Bunice V. Mittie
3858 C St.
Selma, Calif.



Frank E. & Bunice M. Mitis
1858 C St
Selma, Calif.