DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1915

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

a loan

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	Mr. Dart	Date	8/6/51
To:		Date	
To	Coordinating	Date	
To:	Cook	Date	
To:	for Field	Date	OCT 1951
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DO NOT DETACH

CONTROLLED DOCUMENT

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

Date Rec'd
NOV 2 1951
BUREAU OF MINES
Denver, Colorado

370

Mr. J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Subject: DMA-1915
U. S. Fluorspar &
Manganese, Inc.
Chaffee County, Colorado
Loan in Amount of $30,000

Dear Mr. East:

The file is enclosed on subject application from the United States Fluorspar & Manganese, Inc., 605 Majestic Building, Denver 2, Colorado. You will note from letters of July 27 and September 4, 1951, from McDougal & Klingsmith that Messrs. McMillan, Shaw and Harrar are familiar with this property.

To assist us in processing the application the following information is requested:

1. We wrote applicant on August 27 requesting a reply to a number of questions. Applicant replied on September 8 and we would appreciate your filling in any unanswered questions to our letter.

2. Your estimates of tonnages of ore based on data in your possession and Field Team survey as compared with those given by applicant.

3. Assuming a metallurgical grade ore can be produced at this property can this be converted into acid grade fluorspar?

4. Can the ore at this property be treated in a heavy media sink float plant, then processed in the flotation mill to give an acid grade fluorspar?

5. In what condition is the flotation plant and what quantity of ore per month can be beneficiated in it to give an acid grade fluorspar, or is it only possible to produce metallurgical grade in this mill?

6. Are the present owners competent to manage the mine and mill?

7. Your estimate of the value of the manganese vein.

8. Any other observations would be appreciated.

9. You might also refer to Mr. McMillan with whom Mr. I. E. Weber of this office talked on October 17.

Sincerely yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

T. P. Thayer
U. S. Geological Survey

H. W. St. Clair
U. S. Bureau of Mines

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Colorado REFERENCE SLIP

Date Rec'd
NOV 2 1951
BUREAU OF MINES
Denver, Colorado

DATE 9-7-51

REFERRED TO:
1. Code 370
2. [illegible]
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record
..... Comment	of .....
..... Conference	..... Referring
..... Consideration	to .....
..... Filing	..... Reply for signa-
..... Instructions	ture of .....
..... Investigation	..... Rewriting
..... Initials	..... Signature
..... Mailing	..... Suggestions
..... Previous correspondence	..... Your information

REMARKS: .....

Check (X) before the items needing attention.

Adams
A. E. C.
Initials of sender.

GPO 16—63815-1

TELEPHONE
KEYSTONE 5175

370
Barr

CABLE ADDRESS
"MCDOU"

LAW OFFICES
McDOUGAL AND KLINGSMITH
SUITE 605 MAJESTIC BUILDING
DENVER 2, COLORADO

DMa
1915

ROBERT L. McDOUGAL
PHILIP C. KLINGSMITH, JR.

September 4, 1951

? Reserves

U. S. Department of the Interior
Defense Minerals Administration
Washington, D. C.

In Re: File U-26-2

Your communication addressed to the United States Flourspar and Manganese Inc., whom we represent has been referred to us. In your letter of August 20, you state that "Not in operation. Please re-submit when operation is resumed."

Mine not in operation for last 4 years — see answer to question 16 — MF100

We have discussed this matter with Mr. Shaw of the Bureau of Mines. Mr. Shaw advised that from the facts we have given him, it would seem that this property would not be in-elgible for a loan, and has ask us to write you and advise that the property was open and available for inspection.

In fact, there is a mill on this property which has a capacity of over one hundred tons per day. This mill was in operation until a few months ago. Mr. McMillan, Bureau of Mines Engineer has made some inspection of the property and is familiar with the property and assured the Directors that they should make a loan application of $30,000 and that he felt that they were elgible for a loan. A $75,000 loan application was made which was turned down. It was after talking to Mr. McMillan that he suggested, that after looking at the property, he felt the $30,000 would be sufficient to put the property into probitable operation.

We would, therefore, appreciate your re-considering this loan application and are returning to you herewith, a copy of the application that was forwarded to you. We forwarded to your office.

Trusting that we may hear from you further in this matter, we are

Very truly yours,

McDougal & Klingsmith
Robert L. McDougal

RLM:jq
Encl/ Copy of Application, Dk. #dma ~~1951~~ 1915
cc: U. S. Dept. of Interior ~~Bureau of Mines~~

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
SEP 7 12 03 PM '51

MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma-1915

Date received 8/3/51

UNITED STATES FLUORSPAR & MANGANESE INC.
605 Majestic Bldg.
Denver, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 3 1951

Name and address of applicant

Date July 17, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

16—63792-2

SEP 7 12 27 PM '51
DEPARTMENT OF THE INTERIOR
ADMINISTRATION
WASHINGTON, D.C.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Mary Cladis 1210 Hudson, Denver	President	none	$250000 (Invested in business)	1		none	
M. J. Nicholson c/o Belmont Restaurant 17th & Tremont, Denver	Vice-Pres.	none	$100000 (invested in BUSINESS)	1		none	
F. L. Bancroft c/o Cosmopolitan Hotel Denver, Colorado	Sec.-Treas. Gen'l Mang.	none	Property in Vancouver $150,000 (invested in business)	1		none	
	Total	0000	x x x x x	3		x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 2,000,000	$ 3	$ 1.00	3	none
Preferred stock	$ none	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Mine was not in operation during these years.				
2. Quantity of product processed (specify unit of measure and type of process)	Same as above				
3. Quantity and grade of product sold or shipped (specify units of measure)	Same as above				

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. No production at present. Contemplated production is 2000 tons per month.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Form MF-100

1. Materials produced:
   (a) Chief product--Fluorspar
   (b) Byproduct--Manganese

2. Present name of mine: U. S. Fluorspar
   Former names: Morgan Ranch Fluorspar
   Chaffee County Fluorspar
   (a) Linear feet of shaft 450 feet
   (b) Linear feet of drift and cross cut 500 feet
   (c) Linear feet of tunnels or adits 200 feet
   (d) Linear feet of other mine openings 400 feet*
   *(shallow pit and bulldozer cuts)
   Mine is not flooded.

3. (a) Mine is located ten miles north of Salida, Colorado.
   (b) Brown Canyon district
   (c) Section 28, Township 51 North, Range 8 East of the N.M. Meridian
   (d) Chaffee County, Colorado

4. (a) Mine is not now in operation
   (b) Applicant is the owner

5. Number of year in production, approximately 2 years.
   Production to be commenced within 30 days of obtaining the loan

6. The applicant herewith is throughly familiar with the operation carried on in connection with the mine. He has background experience of many years of mining. He has operated the ore bodies on this property since the mine commenced operation. He has been connected with several other mining operations over the past many years.

7. (a) Mining operations were confined to the sinking of vertical shafts of over 100 feet in depth and included shafts on other vains of over 400 feet from which many thousands of tons of high grade flurospar was produced. Also a very commercial grade vain of manganese was uncovered, but was not fully explored. The reason of suspension of operations was because of financial difficulties among the owners of the corporation. It was deemed wise by the officers of the corporation to suspend operation during the continuance of their financial difficulties. These difficulties have since been obviated. Except during this period, the operation of the mine had proved very promising.
   (b) Immediately adjacent to the U. S. Fluorspar Co. property in Colorado the Colorado Fluorspar Corp. produces considerable high grade flurospar on the continuation of the small vain on the applicant's property and this property was recently sold to the General Chemical Co. for the sum of $350,000

Form MF-100 (con't)

12(a)Two well defined fissures occure on the property as shown on the attached map. These can be traced on the surfact for at least 1000 feet. Width of mineralization varies from five feet to fifty feet with an average of thirteen feet.
12(b1)None
12(b2)1) See printed application
12(c) None

13. Access Roads: The Black Canyon siding on the D. & R. G. Railroad is approximately 2½ miles from the mining property. This is reached over Highway 50 and is approximately 1½ miles from Highway 50 and there is a good weather gravel road to the mine.

14. Water Supply: An inexhaustable supply of water is available out of three mile creek. The water rights of which are controled by the corporation. This supply will suffice for any enlarged operations which might be contemplated.

15. Power: REA line now on property is ready for service. Amount of power used and rate per year are unknown. However, the supply is more than ample.

16. Labor: The mine has not been in operation for the last four years. It is contemplated that there will be 10 miners and muckers and 5 mill men.

17. Equipment and Facilities: One 100 Ton flotation mill, electrically operate; 1 gardner-Denver 330 C.F.M. Electric driven compressor; 2 Jack hammers; 2 steperes; 1 25,000 gal. water tank; 1 electrical driven pump; change house; office and laboratory.

18. Pieces of fluorspar up to five inches in diameter occur through the vein. We plan to install a shaking scree ahead of the crusher and pass the plus two material over a checking belt to sort out metalugical grad fluorspar and wast.

(b) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved) 0-30 ft.	30,000	35% CaF_2	$15.00	$14.00	$7.00
Indicated (probable) 30-100 ft.	70,000	35% CaF_2	$15.00	$14.00	$9.00

(c) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

United States Fluorspar & Manganese Inc.
(Name of company)

By Mary Gladis
(Signature of authorized official)

President
(Title)

(Date)

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—63792-1

LAW OFFICES
McDOUGAL & KLINGSMITH
SUITE 605 MAJESTIC BUILDING
DENVER 2, COLORADO
KEYSTONE 5175

September 8, 1951

Mr. James A. Barr, Sr.
Chief, Industrial Minerals Branch
Defense Minerals Administration
U.S. Department of the Interior
Washington 25, D. C.

Subject: Ima-1915
Re: U.S. Fluorspar & Manganese, Inc.

In re: File U-26-2

Dear Mr. Barr:

In answer to your letter of August 28, 1951, we wish to submit the following information:

A. Mining

1. Labor - Detail

Type	Number	Man-shifts	Rate $	Total $
Miners	4	1 - 8 hr.	2.00	64.00
Muckers	6	1 - 8 hr.	1.50	72.00 (per day)
Hoistman	2	1 - 8 hr.	2.00	32.00
Surface Mill Operations	8	2 - 8 hr.	2.00	128.00 (per day)
Mechanics	1	1 - 8 hr.	2.50	20.00
Electricians	1	1 - 8 hr.	2.50	20.00 (per day)
Superintendent	1	1 - 8 hr.	500.00	(per month)
Bookkeeper	1	1 - 8 hr.	250.00	(per month)
Total				1,086.00

2. Supplies

Tools 2,000.00

3. Power)
Light) 1,000.00 (per month)

4. Ore haulage 1.[illegible] (per ton)

5. Repairs to building and equipment 5,000.00

B. Mining overhead

9. Withholding taxes
Compensation insurance Unknown at present
Other insurance

10. District office and works
Telephone, telegraph, postage)

SEP 10 10 47 AM '51
DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

10. District office and works (continued)

Transportation)	
Travel Expenses)	$1,000.00 (per month)
Miscellaneous)	

C. Milling

(See A 1 Surface operations)

E. General

Typical analysis of metallurgical grade fluorspar proposed to be produced is:

75 to 85% CaF_2 (calcium fluoride)
15 to 25% SiO_2 (silica)

F. Marketing

41. It is proposed to sell output of metallurgical grade fluorspar to various steel companies.

In addition to the foregoing, the corporation also owns at the same location a manganese vein 7 feet wide assayed 37-34.

Yours truly,

Mary Cladis

MARY CLADIS
President,
United States Fluorspar and Manganese, Inc.

assuming max. CaF_2 + min. SiO_2 product

85
37½
47½ %
eff. CaF_2

15
7½
30
37½

LAW OFFICES
McDOUGAL & KLINGSMITH
SUITE 605 MAJESTIC BUILDING
DENVER 2, COLORADO
KEYSTONE 5175

July 27, 1951

Mr. Tom Lyon, Director
Supply Division
Deptartment of the Interior
Defense Minerals Administration
Washington 25, D. C.

In re: Loan Application of United States Flurospar & Manganese, Inc.
Our File No. U-26

Dear Mr. Lyon:

We are submitting herewith form MF 100 and MF 102, making application for a loan in the amount of $30,000. The previous loan application, Docket DMA 912, was denied on the grounds that "Insufficient evidence was submitted to substantiate the amount of ore claimed to be blocked out, and did not demonstrate the significant quanities of material of acceptable grade and qualities to be produced."

Since that application was submitted, the Petitioner has had the mining property inspected by Mr. McMillan of the regional office in Denver, Colorado. Mr. McMillan made a though examination of the premises and the information set forth in form MF 100 has been checked and approved by Mr. McMillan. Mr. McMillan examined the property in the presence of Mr. Bancroft and Mr. J. I. Bullington and his inspection was facilitated by the fact that the mine entrance has been cleared out and he was able to descend the shaft.

Mr. Harrrar, who made the previous inspection, examined the property without being guided by anyone who was familiar with the premises. He did not enter the mine opening, which was choked with weeds at the time and therefore was not able to inspect ore from the 12 foot vain of manganese reported by Mr. McMillan. As a result of his inspection, Petitioner thought $75,000 would be necessary to commence operations. As a result of Mr. McMillan's inspection, it is determined that $30,000 would be sufficient.

Cordially yours,

McDougal & Klingsmith

By Robert L. McDougal

RLM:cla

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 3 1951

M. CAMPBELL

ESTABLISHED 1878

GAYLE F. FARNHAM

Certificate of Assay

THE HENRY E. WOOD ASSAYING COMPANY

TELEPHONE KEYSTONE 4816

DENVER 2, COLORADO

2042 BROADWAY

July 3, 1951

We hereby certify that the samples assayed for The United States Flurospar & Manganese Corp.
gave the following results per ton of 2000 lbs. By: J.I. Bullington

MARKED	GOLD OZS.	SILVER OZS.	WET LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	INSOL. PER CENT	SULPHUR PER CENT	PER CENT	VALUE
Manganese					representative dump sample			Mn-	37.34	

Gold at $_____ per ounce
Silver at _____ per ounce
Lead at _____ per 100 lbs.
Copper at _____ per 100 lbs.
Zinc at _____ per 100 lbs.

Charges
$ 1.00 Paid

The Henry E. Wood Assaying Co.

By [signature]

10-50-1 4M

~~CAMPBELL~~

ESTABLISHED 1878

GAYLE F. FARNI

Certificate of Assay

THE HENRY E. WOOD ASSAYING COMPANY

TELEPHONE KEYSTONE 4816

DENVER 2, COLORADO

2042 BROADWAY

July 3, 1951

We hereby certify that the samples assayed for The United States Flurospar & Mining Company
gave the following results per ton of 2000 lbs. J.I. Bullington

MARKED	GOLD OZS.	SILVER OZS.	WET LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	INSOL. PER CENT	SULPHUR PER CENT	PER CENT	VALUE
Flourspar			Chunk (Bancroft)					CaF_2	79.90	

Gold at $_____ per ounce
Silver at _____ per ounce
Lead at _____ per 100 lbs.
Copper at _____ per 100 lbs.
Zinc at _____ per 100 lbs.

Charges

$ 5.00 Paid

The Henry E. Wood Assaying Co.

By G. F. F.

10-50--4M

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1915

Date received 8/3/51

UNITED STATES FLUORSPAR & MANGANESE INC.
605 Majestic Bldg.
Denver, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 3 1951

Name and address of applicant

Date July 17, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
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   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Mary Cladis 1210 Hudson, Denver	President	none (Invested in business)	$250,000	1		none	
N. J. Nicholson c/o Belmont Restaurant 17th & Tremont, Denver	Vice-Pres.	none (invested in BUSINESS)	$100,000	1		none	
P. L. Bancroft c/o Cosmopolitan Hotel Denver, Colorado	Sec.-Treas. Gen'l Mang.	none (invested in business)	Property in Vancouver $150,000 ~~xx~~ -1-			none	
	Total	0000	x x x x x	3		x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$2,000,000	$ 3	$ 1.00	3	none
Preferred stock	$ none	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	No production is at present. Contemplated production is 2,000 tons per month. Mine was not in operation during these years.				
2. Quantity of product processed (specify unit of measure and type of process)	Same as above				
3. Quantity and grade of product sold or shipped (specify units of measure)	Same as above				

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of chang[illegible] production at present. Contemplate d production is [illegible]00 tons per month.

12. Ore or Mineral Reserves:

(a) Describe the ore o[illegible]al deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Form MF-100

1. Materials produced:
   (a) Chief product--Fluorspar
   (b) Byproduct--Manganese

2. Present name of mine: U. S. Fluorspar
   Former names: Morgan Ranch Fluorspar
   Chaffee County Fluorspar
   (a) Linear feet of shaft 450 feet
   (b) Linear feet of drift and cross cut 500 feet
   (c) Linear feet of tunnels or adits 200 feet
   (d) Linear feet of other mine openings 400 feet*
   *(shallow pit and bulldozer cuts)
   Mine is not flooded.

3. (a) Mine is located ten miles north of Salida, Colorado.
   (b) Brown Canyon district
   (c) Section 28, Township 51 North, Range 8 East of the N.M. Meridian
   (d) Chaffee County, Colorado

4. (a) Mine is not now in operation
   (b) Applicant is the owner

5. Number of year in production, approximately 2 years.
   Production to be commenced within 30 days of obtaining the lean

6. The applicant herewith is throughly familiar with the operation carried on in connection with the mine. He has background experience of many years of mining. He has operated the ore bodies on this property since the mine commenced operation. He has been connected with several other mining operations over the past many years.

8. (a) Mining operations were confined to the sinking of vertical shafts of over 100 feet in depth and included shafts on other vains of over 400 feet from which many thousands of tons of high grade flurospar was produced. Also a very commercial grade vain of manganese was uncovered, but was not fully explored. The reason of suspension of operations was because of financial difficulties among the owners of the corporation. It was deemed wise by the officers of the corporation to suspend operation during the continuance of their financial difficulties. These difficulties have since been obviated. Except during this period, the operation of the mine had proved very promising.
   (b) Immediately adjacent to the U. S. Fluorspar Co. property in Colorado the Colorado Fluorspar Corp. produces considerable high grade flurospar on the continuation of the small vain on the applicant's property and this property was recently sold to the General Chemical Co. for the sum of $350,000

Form MF-100 (con't)

12(a)Two well defined fissures occure on the property as shown on the attached map. These can be traced on the surfact for at least 1000 feet. Width of mineralization varies from five feet to fifty feet with an average of thirteen feet.
12(b1)None
12(b2)) See printed application
12(c) None

13. Access Roads: The Black Canyon siding on the D. & R. G. Railroad is approximately 2½ miles from the mining property. This is reached over Highway 50 and is approximately 1½ miles from Highway 50 and there is a good weather gravel road to the mine.

14. Water Supply: An inexhaustable supply of water is available out of three mile creek. The water rights of which are controled by the corporation. This supply will suffice for any enlarged operations which might be contemplated.

15. Power: REA line now on property is ready for service. Amount of power used and rate per year are unknown. However, the supply is more than ample.

16. Labor: The mine has not been in operation for the last four years. It is contemplated that there will be 10 miners and muckers and 5 mill men.

17. Equipment and Facilities: One 100 Ton flotation mill, electrically operate; 1 gardner-Denver 330 C.F.M. Elctric driven compressor; 2 Jack hammers; 2 stopers; 1 25,000 gal. water tank; 1 electrical driven pump; change house; office and laboratory.

18. Pieces of fluorspar up to five inches in diameter occur through the vein/ x We plan to install a shaking scree ahead of the crusher and pass the plus two material over a checking belt to sort out metalugical grad fluorspar and wast.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved) 0-30 ft.	30,000	35% CaF_2	$15.00	$14.00	$7.00
Indicated (probable) 30-100 ft.	70,000	35% CaF_2	$15.00	$14.00	$9.00

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

United States Fluorspar & Manganese Inc.
(Name of company)

By Mary Cladis
(Signature of authorized official)

President
(Title)

(Date)

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—63792-1

Miss Mary Cladis, President
U. S. Fluorspar & Manganese, Inc.
605 Majestic Building
Denver 2, Colorado

Subject: DMA-1915
Re: Loan -
U. S. Fluorspar

Dear Miss Cladis:

Reference is made to your loan application DMA-1915 in amount of $30,000.

To enable us to process this please supply the following information:

The estimated monthly cost figures for:

A. Mining

1. Labor - Detail

	Type	Number	Man-shifts	Rate $	Total $
Miners					
Muckers					
Trammers					
Timbermen					
Pumpmen					
Hoistman					
Surface					
Samplers					
Assayers					
Shift bosses					
Mechanics					
Electricians					
Blacksmiths					
Carpenters					
Drill runners					
Drill helpers					
Teamsters					
Manager					
Superintendent					
Engineers					
Geologists					
Bookkeeper					

Labor - Detailed Continued

	Type	Number	Man-shifts	Rate $	Total $
Foreman					
Clerks					
Stenographers					
Other					
Total					

2. Supplies

   Tools
   Other supplies

3. Power
   Light
   Water

4. Ore haulage

5. Repairs to building
   Repairs to equipment

6. Contract work

7. Miscellaneous (specify)

8. Total crude ore mined, short tons: -
   Average % CaF_2 of crude ore mined: -

B. Mining overhead

9. Withholding taxes
   Compensation insurance
   Other insurance

10. District office and works

    Supervision (where given under A-1, refer to same).
    Clerical (where given under A-1, refer to same).
    Supplies
    Telephone, telegraph, postage
    Transportation
    Travel Expenses
    Miscellaneous

11. Home office overhead

Please detail

12. Mining development

e. Milling

(a) 13. Crushing - Labor

Crushing operators and helpers (detail as under A-1, mining labor).

14. Tools

15. Power
Light
Water

16. Ore handling

17. Repairs to building
Repairs to equipment

18. Miscellaneous

19. Total crude ore to crushing plant, short tons: -

(b) Flotation

20. Flotation men and helpers (detail as under A-1, mining labor).

21. Flotation reagents.

22. Flotation reagents royalty.

23. Tools
Other supplies

24. Power
Light
Water

25. Repairs to building
Repairs to equipment

26. Miscellaneous

39. Details of existing machinery should be supplied.

40. What is the estimate of proven ore reserves, grade, and tonnages?

F. Marketing

41. Please detail where you propose to sell output of metallurgical grade fluorspar.

Sincerely yours,

James A. Barr, Sr., Chief
Industrial Minerals Branch

DEWEBER:mp
8/27/51
cc: 210
Mr. Barr
DMA Files

27. Total ore to flotation plant (% CaF_2) - short tons.

28. Total metallurgical grade fluorspar (CaF_2) from flotation plant.

(c) Drying.

29. Operators and helpers (detail as under A-1, mining labor).

30. Tools
Other supplies.

31. Power
Light
Fuel

32. Repairs to building.
Repairs to equipment.

33. Miscellaneous

34. Tons of ore to drying plant.
Tons of ore from drying plant.

D. Milling Overhead

35. Please give milling overhead as B-9, 10, 11, under Mining Overhead.

E. General

36. Fluorspar to be mined and sold as such should be given.

37. Additions of equipment to the mine and mill, whether to be purchased or rented, should be given in detail with the names of suppliers and cost.

38. Please supply typical analysis of metallurgical grade fluorspar you propose to produce giving:

% CaF_2 (calcium fluoride)
% SiO_2 (silica)
% S (sulphur)
% Pb (lead)

IN REPLY REFER TO:

G-MD-REVA

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

October 15, 1951

Memorandum

To: I. E. Weber, Defense Minerals Administration

From: Ralph E. Van Alstine, U. S. Geological Survey

Subject: DMA-1915, application from U. S. Fluorspar and Manganese Corporation for a $30,000 loan to develop the U. S. Fluorspar mine, Chaffee County, Colorado.

A review of the additional data submitted by the applicant on September 4 and September 8 shows that no new information has been supplied in support of the claim that significant reserves of fluorspar remain on the property. The applicant continues to refer to Bureau of Mines engineers in support of his application (first a Mr. Harrer, then a Mr. McMillan, and now a Mr. Shaw), and I suggest that these sources of information be checked before we proceed further. Unless the application is supported by evidence of reserves adequate for the proposal, we can only recommend that it be denied.

In reply to your questions 36 through 40, the applicant merely lists "a typical analysis of metallurgical grade fluorspar proposed to be produced." It is interesting to note that even assuming the maximum CaF_2 content and minimum SiO_2 content listed for the proposed product, the fluorspar concentrate that the applicant proposes to sell to various steel companies would run only 47½ percent effective CaF_2. The applicant should show clearly just what steel companies would buy such low-grade products.

Ralph E. Van Alstine

DMA files

IN REPLY REFER TO:

G-MD-JJN

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

September 10, 1951

Memorandum

To: I. E. Weber, Defense Minerals Administration

From: J. J. Norton, U. S. Geological Survey

Subject: Application DMA-1915 from U. S. Fluorspar and Manganese Corporation for a $30,000 loan to develop the U. S. Fluorspar mine, Chaffee County, Colorado.

Application DMA-1915 from U. S. Fluorspar and Manganese, Inc., is for a $30,000 loan to equip and operate the U. S. Fluorspar mine in the Brown Canyon district near Salida, Chaffee County, Colorado. A previous loan application, DMA-912, was for this same prospect and evidently was denied, as recommended in Van Alstine's memorandum to Mr. Barr, May 13, 1951. I can find no evidence in the new application to show that this project is worthy of reconsideration.

The applicant states that this property was recently examined by a Mr. McMillan of the U. S. Bureau of Mines Denver office. Furthermore, the application is accompanied by a map on which C. M. Harrer of the Bureau of Mines plotted some proposed diamond drill holes in December, 1950. I suggest that you telephone Mr. McMillan and Mr. Harrer to obtain their opinions on whether or not this property merits either a development loan or an exploration grant. How did applicant get this map

Unless the Bureau of Mines has some favorable evidence that has not been considered previously, this loan application should be denied. None of the evidence so far submitted indicates that this property is even worth exploration.

J. J. Norton

JJNorton:jeh
G-9/10/51
copy to: Director's Reading 4212
Branch " "
DMA files
JJNorton, Room G-228, GSA Bldg.

Together with all and singular the appurtenances belonging thereto, unto the said party of the second part, her heirs, executors, administrators and assigns forever, to her and their use and benefit, as fully and absolutely as the party of the first part can and ought to do pursuant to the statute and his authority as aforesaid.

This conveyance is made subject to all unpaid taxes and tax claims against the said property or any part or portion thereof, all of which the said party of the second part by the acceptance of this conveyance, assumes and agrees to pay.

IN WITNESS WHEREOF, the said party of the first part has hereunto set his hand and seal the day and year first above written.

Trustee in Bankruptcy of CHAFFEE COUNTY FLUORSPAR CORPORATION, Bankrupt.

State of Colorado }
}ss
City & County of Denver. }

Before me, a Notary Public in and for the said City and County in the State aforesaid, personally appeared Homer E. Brayton, trustee in bankruptcy of the estatemo CHAFFEE COUNTY FLUORSPAR CORPORATION, bankrupt, known to me to be the person whose name is subscribed to the said instrument as trustee as aforesaid, and acknowledged to me that he duly executed the same, as such trustee for the uses and purposes therein set forth.

WITNESS my hand and Notarial Seal this 1st day of August, A. D. 1950. My commission expires June 12, 1952

Notary Public.

JOS. T. McDONOUGH
COUNTY CLERK AND RECORDER
CHAFFEE COUNTY
SALIDA, COLORADO

August 8, 1950

Mary Clades
1516 Broadway
Denver, Colorado.

Herewith enclosed please find instrument No. 60420
which has been duly recorded.

Cordially yours,
JOS. T. McDONOUGH, County Clerk.

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 9-11-51

REFERRED TO:
1. Code 370
2.
3.
4. W. T. Beck

FOR:

- ____ Action
- ____ Approval
- ____ Comment
- ____ Conference
- ____ Consideration
- ____ Filing
- ____ Instructions
- ____ Investigation
- ____ Initials
- ____ Mailing
- ____ Previous correspondence
- ____ Recommendation
- ____ Record of ____
- ____ Referring to ____
- ____ Reply for signature of ____
- ____ Rewriting
- ____ Signature
- ✓ Suggestions
- ____ Your information

REMARKS:

Check (X) before the items needing attention.

Adams
A. E. C.
Initials of sender.

GPO 16—63815-1

Form MF-102
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1028.

MF-102 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR GOVERNMENT LOAN
Not to Exceed $50,000
Under the Defense Production Act of 1950

Not to be filled in by applicant

Docket No. dma-1915

Date received 8/3/51

Name and address of applicant

UNITED STATES FLUORSPAR & MANGANESE, INC. a corporation
605 Majestic Building
Denver 2, Colorado

Date of application: July 16, 1951

Amount of loan requested: $30,000.00

Terms of loan requested: $20,000 on approval and $10,000 at end of 30 days

If you have already filed MF-100, give date filed (form NSRB-146 heretofore filed), type of assistance requested Loan, DMA docket number (if available) ____

INSTRUCTIONS

Application should be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. Submit four copies of this application and four copies of General Technical Data Form MF-100. If the latter form has been filed previously with an application for Government assistance, it is not necessary to file it again. However, the applicant should indicate in space provided above the type of assistance previously applied for (loans, procurement contract, etc.) and DMA docket number, if available.

Name and address of applicant should be stamped or typed on each sheet of the application and all accompanying papers. *When a question is inapplicable, it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE. If a question is answered elsewhere in the application, indicate where answered. It is not necessary to answer it again.

1. PURPOSE OF LOAN:

Give a brief general statement of the purpose of the loan requested, including in the table below estimated amounts for such major purposes as land acquisition, building construction, purchase of plant, purchase of equipment, working capital, repayment of debt, etc. Statement should make clear whether funds will be used for expansion of capacity, development of technological processes, or production of essential materials.

General Statement. The purpose of this loan to purchase the necessary equipment to produce metalugical grade fluorspar at the present mill, construction of necessary buildings for labaratory and office, mining and haulage equiment and working capital.

NATURE OF EXPENDITURE	AMOUNT
Mill improvement, grisley and picking belt ahead of crusher.	5,000.00
Labaratory and office	5,000.00
Mining and haulage equipment	10,000.00
Working capital	10,000.00

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 3 1951

TOTAL AMOUNT APPLIED FOR $30,000.00

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

2. PROPOSED METHOD FOR REPAYMENT OF ~~LOAN~~:
State how loan will be repaid and proposed schedule of repayment.

3. CLAIMS AGAINST GOVERNMENT:
Explain in detail, stating amount of each claim filed and amount recovered, if any. If no such claim has been filed, so state.

4. EMPLOYMENT:
Will loan result in an increase in the number of employees? If so, how many?

5. INSURANCE:
State kind and amount of all insurance carried in favor of applicant. (Fire, public liability, etc.)

16—64195-1

6. RECENT EFFORTS TO OBTAIN CREDIT:

State efforts to obtain credit, within 60 days preceding date of application, from banks, RFC, or other sources. If refused, give reasons and submit copy of refusal. If a bank will participate in the loan, state name of bank and amount of participation.

7. NECESSITY CERTIFICATES:

List any applications made for Necessity Certificates for tax amortization (under section 124A of the Internal Revenue Code) giving date of application, Government file number, estimated total cost of facilities on each application, and action taken by Government.

8. OWNERSHIP OF PROPERTY:

Show how property is held. Attach copy of deeds, leases, or other documents conveying to applicant the present interest of the applicant in the mining property.

9. LEGAL DESCRIPTION OF PROPERTY:

(*a*) Give name and mineral survey number of patented claims, if any, and a map.
(*b*) Give names, dates of location, and place, date book, and page record of all unpatented locations, and a map.
(*c*) If property is other than mining claims, give description by lot numbers, metes and bounds, or according to accepted legal practice.
(*d*) If mineral rights are separated from surface rights, or if any conflicting or overlapping rights exist in the property give full explanation.

10. GEOLOGY AND TOPOGRAPHY:

Submit all available information and maps.

11. EXISTING DEVELOPMENT:

(*a*) Furnish all pertinent information with regard to the ore body or mineral deposit. If maps and sections of the mine are not available, pencil sketches are acceptable. However, such sketches should, if possible, be drawn to scale, or if not, dimensions should be shown. Give all available assays of samples, stating clearly how samples were taken, giving width and location of each sample. Show the location, value, and width of each sample on maps submitted.
(*b*) Submit certificates, when available, giving analysis of each sample and number each sample to correspond with sample numbers on the maps submitted.
(*c*) State type of mine, whether tunnel or shaft, and show in detail the existing workings. State distance along dip of vein between levels and to surface. Indicate condition of workings, noting on map caved areas and those areas which it is proposed to make accessible.

12. IF EXPLORATION OR DEVELOPMENT OF MINE IS ANTICIPATED:

(*a*) State clearly and in detail the proposed work.
(*b*) Sketch the proposed work on any maps submitted.
(*c*) Submit cost estimates.

13. MINING:

(*a*) Describe mining methods briefly.
(*b*) Detail all mining costs including power, water, transportation, etc.
(*c*) State time required to reach production.

14. MILLING:

(*a*) State how and where ore is to be milled.
(*b*) State capacity, percentage of extraction, ratio of concentration, and submit flow sheet, if ore is to be milled by applicant.
(*c*) Detail the milling costs and transportation costs, if any.
(*d*) Explain tailing disposal.
(*e*) Explain source of water and whether it is suitable.
(*f*) Detail the marketing of concentrates and submit actual or proposed smelter contracts, if available.

15. Submit any available informative data not covered in the preceding paragraphs.

16. NAMES AND ADDRESSES OF OFFICERS, DIRECTORS, OR PARTNERS, AND IN ADDITION THERETO, THE FIVE LARGEST STOCKHOLDERS IF A CORPORATION:

Name and Address (a)	Official Title (If officer is also director, indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Applicant (d)	Number of Shares Held in Applicant: Common (e)	Number of Shares Held in Applicant: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Mary Cladis, 1210 Hudson, Denver	President	none	$250,000 (Invested in business)	1		none	
N.J. Nicholson c/o Belmont Restaurant 17h & Tremont, Denver	Vice-Pres.	none	$100,000 (Invested in business)	1		none	
Peter L. Bancroft c/o Cosmopolitan Hotel Denver, Colorado	Sec.-Treas. Gen'l.Man.	(none)	property Vancouver $150,000 (invested in business)	1		none	
	Total			x x x x		x x x x	x x x x

Form MF-102 (Continued)

2. PROPOSED METHOD OF REPAYMENT OF LOAN: It is proposed to repay the loan by paying 10% of all sales; production to be started within 60 days of receiving loan.

3. CLAIMS AGAINST THE GOVERNMENT: None

4. EMPLOYMENT: The mine has not been operated for the last 4 years. It is contemplated, however, that there will be 10 miners and muckers and 5 mill men.

5. INSURANCE:

10 8-3-51 8 8-3 47

6. RECENT EFFORTS TO OBTAIN CREDIT: A loan application on Form NSRV-146 was submitted in March, 1951. Private banking institutions are not interested in making loans on mining enterprises.

7. NECESSITY CERTIFICATES: None

8. OWNERSHIP OF PROPERTY: See Exhibit A. Leg

9. LEGAL DESCRIPTION OF PROPERTY:
(a) See Exhibit B--Map.
(b) None
(c) None
(d) None

10. GEOLOGY AND TOPOGRAPHY: See Exhibit B--Map. See Exhibit C.

11. EXISTING DEVELOPMENTS:
(a) See exhibit D.
(b) Not availalbe
(c) Tunnel, shaft and open cut. See Exhibit B--Map for details. Inclined shaft extended to 400 feet below the surface. ~~If exploration or development of the mine is~~

12. IF EXPLORATION OR DEVELOPMENT OF MINE IS ANTICIPATED: None is anticipated at present.

13. MINING:
(a) At the commencment of operation and for at least thefirst year thereafter mining will be by open cut method, using a bulldozer, and drilling and blasting in hard ground. Ore will be loaded into trucks by traxcavator and hauled to the mill.
(b) Mining costs are estimated to be $7 per ton, based on the costs of former operations.
(c) Time required to reach production is estimated to be 30 days.

14. MILLING:
(a) Ore to be milled at company at the mill located upon the property.
(b) Capacity of plant is at present 100 tons per day with 90% recovery. Ratio of consentration approximately three to one. Plant is standard, crushing, grinding and flotation unit, with gravity flow throughout. See Blow Sheet--Exhibit D.
(c) Milling costs and transportation costs are estimated to be $.

Form MF-102 (Con't)

14. (d) Tailing disposal to pond on property.
(e) Source of water is 4-mile creek, water rights owned by corporation. The water rights are entirely suitable for operation and in and unlimited supply.
(f)

15.

16. See printed Application.

17. COMPENSATION SCHEDULE: General Manger $500 per mo.

18. See printed application.

19. See printed application.

20. See printed application.

21. (a) Notes Payable--None.
(b) Mortgages--None
(d) Lien holders--None.

22. AGREEMENT AS TO COMPENSATION FOR SERVICES RENDERED OR TO BE RENDERED TO APPLICANT IN CONNECTION WITH APPLICATION AND/OR LOAN: None.

CAPITAL STOCK ISSUES
For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid (e)
Common stock	$ 2 millon	$hrs 3	$ 1.00	3	none
Preferred stock	$ none	$ none	$ none	none	none

17. COMPENSATION SCHEDULE:

Instructions: The schedule shall show the amount of compensation being paid to all employees of applicant receiving compensation at a rate in excess of $5,000 per annum computed on a full-time basis. Any compensation in excess of this amount must receive Government approval.

18. COLLATERAL OFFERED AS SECURITY FOR LOAN:

Brief Description	Date Acquired	Cost to Applicant	Present Net Book Value	Appraised	State by Whom Appraised and Date
Real estate (describe): 558 acres	11/8/50	$125,000	land and minerals $500,000	$ 500,000	A. B. Nash 3/17/51
Buildings (describe): Mill	11/8/50	acquired with land total cost $125,000	300,000	300,000	A. B. Nash 3/17/51
Machinery, equipment, and other chattels exclusive of office furniture and fixtures (describe): Mining equip.	11/8/50	Incl. ~~$X~~ 125,000	25,000	25,000	A. B. Nash 3/17/51

Future Production Description	Date Expected To Reach Full Production	Gross Value	Net Value

19. CURRENT FINANCIAL STATEMENT:

ASSETS		LIABILITIES	
Current:		Current:	
1. Cash	$ 305.00	1. Notes payable	$ 0.00
2. Notes receivable	1300.00	2. Accounts payable	0.00
3. Accounts receivable	0.00	3. Other	0.00
4. Inventories		4. Accrued (interest, taxes, rent, etc.)	0.00
Total	1605.00	Total	0.00
Fixed and Other:		Fixed and Other:	
5. Plant — Lands & minerals	500,000.00	5. Mortgage debt May Cladis	70,366.94
5. Plant — Buildings & mill	300,000.00	6. Contracts, leases, royalty	
5. Plant — Ores		7. Other (describe)	
6. Machinery		Total	70,366.94
7. Equipment, furniture, etc.		Preferred stock	731,235.06
Total	801,605.00	10. Contingent (describe)	801,605.00

20. CONDENSED COMPARATIVE STATEMENT OF INCOME AND EXPENSES:

For years ended COMPANY NOT IN OPERATION AT PRESENT
(Insert date of end of fiscal year)

(000.00 omitted)

	(Figures for 3 Preceding Years)			Current Year as of Date of Financial Statement
	19____	19____	19____	
1. Net sales of ores or concentrates				
2. Cost of production				
3. Gross profit on sales (line 1 minus line 2)				
4. Other income (itemize)				
5. Total (line 3 plus line 4)				
6. Salaries (officers or partners)*				
7. Selling and all other expenses				
8. Total of lines 6 and 7				
9. Profit or loss before depreciation and Federal taxes (line 5 minus line 8)				
10. Depreciation				
11. Federal income and excess profits taxes				
12. Net profit or loss (line 9 minus lines 10 and 11)				

NOTE.—If applicant is incorporated an analysis of surplus should be given in detail for each of the years shown in the above tabulation.

*To include all payments of any kind (commissions, bonuses, withdrawals) to officers or partners.

NOTE.—If years included in the above tables are not adequately representative of applicant's financial experience, information may be submitted for additional years.

21. NOTES PAYABLE, MORTGAGE DEBT, AND LIENS:

List notes payable, giving maturity dates, amounts, character of collateral and names of guarantor(s) and/or endorser(s). Give names and addresses of holders of notes.

List names and addresses of holders of mortgages, maturity dates, interest rates, amounts paid and amounts unpaid.

List names and addresses of holders of liens against production, quantity involved, amounts of principal and interest due and dates of repayment.

22. AGREEMENT AS TO COMPENSATION FOR SERVICES RENDERED OR TO BE RENDERED TO APPLICANT IN CONNECTION WITH APPLICATION AND/OR LOAN:

No fees or commission shall be paid by applicant for the purpose of procuring a loan. Reasonable compensation may be made for proper services actually rendered to applicant in preparing this application. If such services have been rendered, state kind of services and charges for same. Applicant agrees that all such compensation intended to be paid from the proceeds of the loan, if granted, shall be subject to approval by the Government.

(Applicant)

23. The applicant hereby certifies that the statements made in the foregoing application and all exhibits and documents submitted in connection therewith are true and correct statements to the best of applicant's information and belief and are submitted as a basis for credit.

Dated July, 19 51

Witness: (For individual applicants)

Witness: (Signature)
(For partnership applicants)

(Full name of firm)

By _____, a general partner
(Signature)
(For corporate applicants)

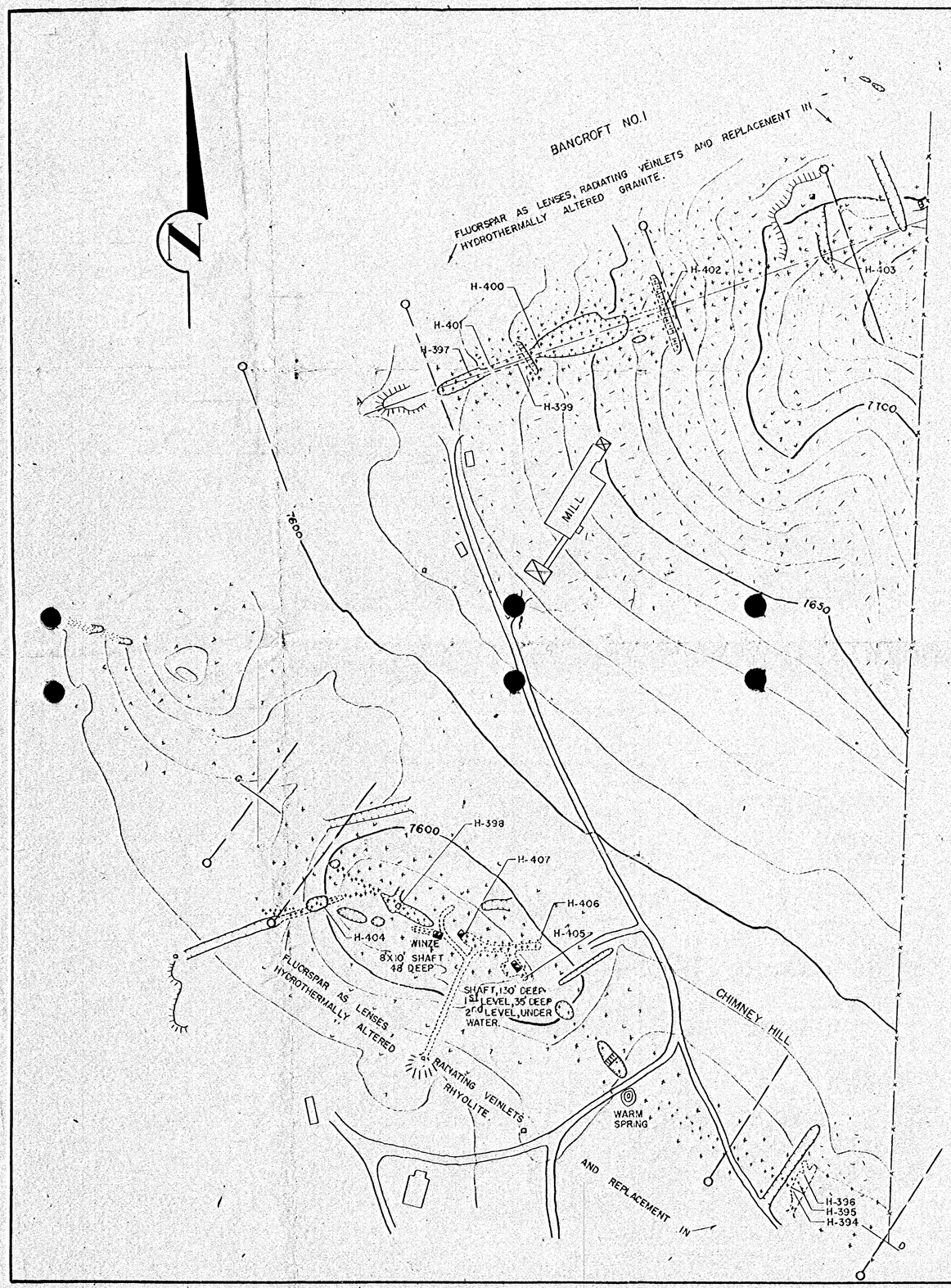
[CORPORATE SEAL] U. S. FLUORSPAR & MANGANESE, INC.
(Full corporate name of applicant)

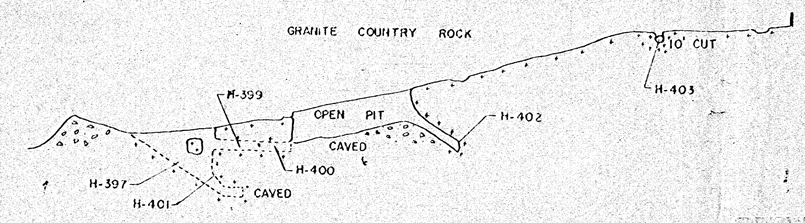
Attest. By Mary Gladis President
(Signature) (Title)

P. C. Bancroft Secretary
(Signature) (Title)

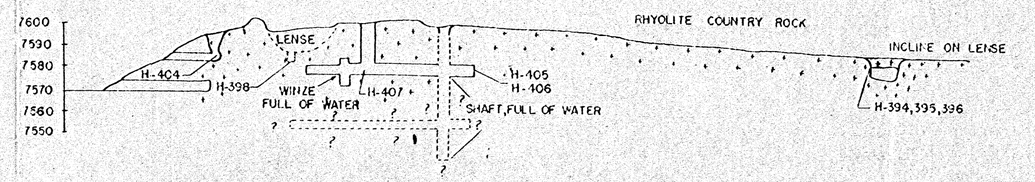
The United States Criminal Code, 18 U.S.C., Sec. 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64195-1 U. S. GOVERNMENT PRINTING OFFICE





SECTION A-B



SECTION C-D

SAMPLE NUMBER	WIDTH FEET	ASSAY %					
		CaF_2	$CaCO_3$	SiO_2	Al_2O_3	INSOL	S
H-394	5	42.9	0.4	34.0	6.0	46.4	.21
H-395	5	60.3	0.6	20.0	3.6	27.2	.37
H-396	5	34.3	0.4	41.2	5.2	56.8	.27
H-397	9	34.3	0.8	42.4	6.8	54.0	.11
H-398	5	35.5	0.5	44.4	5.2	55.6	.11
H-399	7	5.2	0.3	61.2	12.1	85.6	.30
H-400	6	9.4	0.4	60.4	3.6	79.2	.12
H-401	7	35.8	0.9	41.6	6.4	53.2	.10
H-402	12	12.0	0.6	60.4	7.6	74.8	.17
H-403	6	5.7	2.5	53.6	13.6	69.2	.12
H-404	10	33.8	0.7	40.8	6.0	54.0	.20
H-405	6	24.7	0.6	53.2	8.6	64.8	.33
H-406	6	31.8	0.6	49.2	4.8	57.6	.16
H-407	12	28.2	0.4	46.4	7.2	61.2	.27

- UNDERGROUND WORKINGS
- FLUORSPAR MINERALIZATION
- SHAFT
- CHALCEDONY
- PIT
- BENCH
- DUMP
- ROAD
- FENCE
- RHYOLITE
- GRANITE
- PROPOSED DIAMOND DRILLING

0 100 200 300 400

SCALE OF FEET

CONTOUR INTERVAL 10'

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

FIG. 2

U.S. FLUORSPAR CO.

CHAFFE COUNTY COLORADO

ENGINEER: C.M. HARRER	DATE DECEMBER 18, 1950
TRACED 12-18-50 BY: D.L.R	
CHECKED	