DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA Docket No. 4957

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in the Docket, Mails and Files Branch. Any movement of this document between divisions or offices in DMEA or movement outside DMEA must be recorded in the Docket, Mails and Files Branch, and therefore, the document must be routed through that Branch.

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To:	400	Date	3/14/58
To:	130	Date	4/2/58
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To:	100	Date	4/3/58
To:	225	Date	4/3/58
To:	130	Date	4-21-58
To:	110	Date	4-21-58
To:	100	Date	4-21-58
To:	225	Date	4-21-58
To:		Date	
To:	110	Date	8-1-58
To:	100	Date	8-1-58
To:	225	Date	8-1-58
To:	130	Date	8-20-58
To:	400	Date	8-21-58
	130		8-21-58
	110		8-22-58
	100		8-22-58
	225		8-22-58

DO NOT DETACH

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DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4957

Application
- [x] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

Left Side

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

Right Side

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

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

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

Additional Folders:

Left Side

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

Right Side

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

Folders No. 2 : Maps (Use pocket folder or envelope)
+ Rept of exam C.R Wolfrey

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

W. C. FRANCIS, Pres.
F. W. SMITH, Jr., Vice-Pres. & Tre
J. R. HAYNES, Sec. & Gen. Counsel

EXECUTIVE OFFICE:
Box 192, Knoxville, Tenn.

MINE OFFICE:
Ouray, Colorado

FRANCIS CONSOLIDATED MINING & MILLING CORP.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1958
DATE | INITIALS | CODE

March 13, 1958.

U. S. Department of Interior,
Defense Minerals Exploration Admin.,
Washington 25, D. C.

Attn: Mr. W. S. Martin, Director, Division of Iron and Ferro-Alloys.

Gentlemen:

Submitted herewith for your consideration is an application for DMEA assistance in the amount of $43,750.00 for exploration of a portion of the property of Francis Consolidated Mining & Milling Corporation located near Ouray, Colorado. This is a revised application which we have prepared since our receipt of letter dated January 17th from Mr. W. S. Martin returning our previous application which was incorrect and insufficient in several details. From the suggestions made in the letter of Mr. Martin, and from our conferences with Mr. Robert A. Laurence and Mr. Lynch of the DMEA Field Team, Knoxville, Tennessee, our engineers have helped us to prepare the enclosed application. Please disregard any papers or exhibits which you may have retained from our previous application, as we believe the enclosed to be complete, but for the need of two additional estimates (Exhibit "C") pertaining to cost of core drilling. Our engineer in Ouray, Colorado, Mr. Keith Johnson is procuring two additional estimates for us and these will be forwarded to you immediately upon receipt. In the event these additional quotations should lower our cost estimate (Exhibit "D"), we would certainly expect this cost estimate to be revised accordingly.

The project proposed is for the exploration of known deposits of manganese and fluorspar ore. Fluorspar veins are exposed in two faces of existing tunnels. Assay report attached as Exhibit "E" shows the spar to be 89.74 percent. The attached assay report marked Exhibit "F" reveals the presence of manganese from samples obtained from waste dumps left from old mining operations and from other locations upon the property. We are confident that mill grade manganese ore will be located as a result of this proposed exploration program.

Your consideration of this application without our pinpointing exact locations of core drilling sites will be appreciated. The general area to be explored is designated by hatched lines on the map marked Exhibit"B". Drilling will begin at known deposits and follow exposed ore veins and veins located by the engineering work as proposed.

The applicant has discussed fluorspar requirements with industries in the Colorado area, and is confident that the fluorspar required can be supplied from this property, eliminating the present necessity of importing it from Mexico. Colorado Fuel and Iron Company is presently using approximately eleven hundred tons per month of the Mexico Spar. It is our understanding that this Spar costs them about $30.00 per ton at the border and freight costs are about $17.00 per ton in addition thereto. This cost to the user can be reduced by our production of Spar in the area. Needed employment would also be provided for Ouray workmen.

Our Representative for your Field Men to contact is Mr. Keith Johnson, Engineer, Ouray, Colorado. He can discuss with them the cost items as set forth in our Exhibit "D".

All of the enclosed exhibits, including our application on Form MF 103,are in quadruplicate, with the exception of Exhibit "G", which is a report and is submitted in duplicate as suggested in the letter of Mr. Martin dated January 17th.

Your consideration of this application at the earliest possible date, consistent with policies of DMEA, will be appreciated.

Yours very truly,

W C Francis

W. C. Francis, President

Encls: (1) DMEA Application.
(2) Exhibit "A", property map Part 2 with attachment Part 1 stating Applicant's property rights.
(3) Exhibit "B", map showing proposed area to be explored.
(4) Exhibit "C", one core drilling quotation.
(5) Exhibit "D", estimate of cost.
(6) Exhibit "E", assay report on fluorspar.
(7) Exhibit "F", assay report on manganese, with location of samples taken.
(8) Exhibit "G", mining engineer's report on property with maps of existing workings.

Form MF-103
Revised Oct. 1957

RECEIVED MAR 14 1958

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

APPLICATION FOR AID IN AN EXPLORATION PROJECT

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

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

Francis Consolidated Mining & Milling Corp.,
P. O. Box 192,
Knoxville, Tennessee.

APPLICANT NOT TO USE THIS BLOCK

Docket Number	4957
Date Received	3-14-58
Government Participation %	62.5
Region	III
Division Code	400

BUSINESS ORGANIZATION (Check one)

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

State in which firm is organized

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
W.C.Francis,	P.O.Box 192, Knoxville, Tenn.	President
F.W.Smith, Jr.,	Knoxville, Tennessee.	V-Pres.& Treas.
J.R.Haynes,	Knoxville, Tennessee	Secretary
lawyer		

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

Estimated Cost of Project: $ 70,000.00

LOCATION OF PROPERTY

Name	County	State
Francis Mining Tract,	Ouray,	Colorado.

GENERAL INSTRUCTIONS

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

CERTIFICATION

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

March 13, 1958.
Dated

FRANCIS CONSOLIDATED MINING & MILLING CORP.
BY: W C Francis
BY *(Signature)*

President
Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

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

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

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

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

2. *Physical Description:*

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

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

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

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

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

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

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

3. *Accessibility of Project:*

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

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

4. *The Exploration Project:*

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

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

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

5. *Experience:*

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

6. *Estimate of Costs:*

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

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

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

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

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

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

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

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

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

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

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

* * * * *

INT.-DUP. SEC., WASH., D.C. 25960

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1958

DATE	INITIALS	CODE

Francis Consolidated Mining and Milling Corporation is the owner of the following patented lodes and millsites located in the Mt. Sneffels Mining District, Ouray County, Colorado:

Empire State Lode, U.S. Mineral Survey No. 15528
Buckeye Boy Lode, U.S. Mineral Survey No. 477
Idlewilde Lode, U.S. Mineral Survey No. 471
Little Rose Lode, U.S. Mineral Survey No. 544
Bessie Bascom Lode, U.S. Mineral Survey No. 470
Amelia Lode, U.S. Mineral Survey No. 1643
Calumet Lode, U. S. Mineral Survey No. 1162
Minnie B. Lode, U.S. Mineral Survey No. 2554
Little Ida Lode, U.S. Mineral Survey No. 1644
Pilot Mill Site, U.S. Mineral Survey No. 7807B
Angelique Lode, U.S. Mineral Survey No. 1647
Grand Flag Lode, U.S. Mineral Survey No. 1646
Little Rock Lode, U.S. Mineral Survey No. 829
Nevada Lode, U.S. Mineral Survey No. 4841
Victoria Lode, U.S. Mineral Survey No. 1645

Francis Consolidated Mining and Milling Corporation is the owner of the following designated unpatented claims located in Mt. Sneffels Mining District of Ouray County, Colorado:

Brinda Jane Lode, as described in Location Certificate No. 95621, recorded in Book 123, pp. 277, Recorder's Office, Ouray County,Colo.

Hazel Lee Lode, as described in L. C. No. 95623, Recorded in Book No.123,pp 278 of said Office.

Francis Lode, as described in L. C. No. 95625, recorded in Book 123,pp. 279 in said Office.

Mary Ann Lode, as described in L. C. No. 95624, recorded in Book 123, pp. 278 in said Office.

Linda Jannet Lode, as described in L. C. #95752, recorded in Book 123, pp. 276, in said Office.

Orea Bell Lode, as described in L.C. No.99115, recorded in Book 123, pp. 338, of said Office.

Charles Francis Lode, as described in L. C. No. 99116,recorded in Book 123,pp.338 of said Office.

Ralph Teague Lode, as described in L.C.No.99117, recorded in Book 123, pp. 339 of said Office.

Stough Teague Lode, as described in L.C.No.99118, recorded in Book 123,pp. 339 of said Office.

James Francis Lode, as described in L.C.No. 99119, recorded in Book 123, pp. 340 of said Office.

Mary Ruth Lode, as described in L.C. No. 99120, recorded in Book 123, page 340 of said Office.

Part 1 of
EXHIBIT "A"
(Part 2 is Map)

Mitchel Banks Lode, as described in L.C.No.99121, recorded in Book 123, pp. 341, of said Office.

Eligha Lode, as described in L. C. No. 99122, recorded in Book 123, pp. 341 of said Office.

Ethel Trenham Lode, as described in L.C.No.99123, recorded in Book 123, pp. 342, of said Office.

Grace Teague Lode, as described in L.C.No.99124, recorded in Book 123, pp.342 of said Office.

Hugh Lode, as described in L.C. No. 99125, recorded in Book 123, pp. 343 of said Office.

Betty Jane Lode, as described in L. C. No.98221, recorded in Book 123, page 320 of said Office.

Roxie Lode, as described in L.C. No. 98224, recorded in Book 123, pp. 320 of said Office.

Linda Sue Lode, as described in L.C. No.98222, recorded in Book 123, pp. 319 of said Office.

Ruby Mae Lode, as described in L.C. No. 98223, recorded in Book 123, pp. 319 of said Office.

Woody Ward Lode, as described in L.C.No.98225, recorded in Book 123, page 321 of said Office.

Cleo Lode, as described in L.C. No. 98226, recorded in Book 123, pp. 321 of said Office.

David Lode, as described in L. C. No. 98227, recorded in Book 123, pp. 322 of said Office.

W. C. Francis, individually, who is the President of Francis Consolidated Mining and Milling Corporation, holds a lease on the following designated patented lodes and mill sites:

Estella Lode, U. S. Survey No. 12151, in Mt. Sneffels Mining District.

Circassian, U. S. Survey No. 160, in Mt. Sneffels Mining District.

Verda Lode, U. S. Survey No. 6870A, in Mt. Sneffels Mining District.

Verda Mill Site, U. S. Survey No. 6870B, in Mt. Sneffels Mining District.

Clarence Lode, U. S. Survey No. 12150 in Mt. Sneffels Mining District.

Yellowstone Lode, U. S. Survey No. 1284, in Mt. Sneffels Mining District.

Smuggler Lode, U. S. Survey No. 6558 in Mt. Sneffels Mining District.

NOTES:

(1) The attached property map shows, in addition to the hereinabove designated patented and unpatented claims, leased and unowned property, two areas designated as G. C. 15452A and C. F. 15452A. These two areas, which appear on the map as patented claims, were not perfected as such, and this property is owned by Francis Consolidated Mining and Milling Corporation, by virtue of the patented and/or unpatented claims which embrace the area designated G. C. 15452A and C. F. 15452A.

(2) There are no liens, mortgages, or other encumbrances on any of the designated property of Francis Consolidated Mining and Milling Corporation.

(3) The property leased by Francis Consolidated and shown on attached map cannot be subjected to any lien or encumbrance.

(4) A portion of the property now owned by Francis Consolidated was previously known as the Minnie B. Mines.

MacPHERSON DRILLING COMPANY
P. O. Box 447
MONTROSE, COLORADO

Original Date Stamp
DMEA
RECEIVED MAR 14 1958
DATE | CODE

January 3, 1958

Mr. Keith Johnson
P. O. Box 402
Ouary, Colorado

Dear Mr. Johson:

Thankyou very much for calling on us to assist you to placing a tentative bid on a proposed program of diamond core drilling your principales wish to let on contract this comming year .

On a program of 12000 feet of core drilling, we submit the following rates.

Surface drilling AX-Size core. Contractor furnish all drilling equipment, tools, diamonds, moblization, and drill personnel. Company prepare roads and drill sites.

Holes from 0 to 500 ft. in depth @ $ 4.30 per ft.
500 to 1000 ft. in depth @ 4.75 per ft.

Underground drilling AX-Size core. Contractor furnish all drilling equipment, tools, diamonds, moblization, and drill personnel. Company furnish air for drilling at drill locations prepare drill sites.

Holes from 0 to 500 ft. in depth @ $ 3.95 per ft.
500 to 750 ft. in depth @ 4.30 per ft.

Trusting that you will let us hear from you if we can be of further assistance.

MacPherson Drilling Co.

MM/mm.

By. [signature]

EXHIBIT "C"

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FRANCIS CONSOLIDATED MINING & MILLING CO., INC.

ESTIMATE OF COST -------- (Time of Completion -- 12 months)

	ITEM	EST. COST
1.	Contour (Topographic) Map, showing location of: existing workings, surface and sub-surface exposed ore veins, surface water courses, timber areas and other pertinent information. 100 acres @ $10.00	$ 1,000.00
2.	Engineering involved in location of, and logging core drilling information. 240 locations @ $15.00	3,600.00
3.	624 hours D-7 Tractor w/angle Dozer, fuel, repairs & operator (AGC-Rate) 3 mos. tractor time @ $1490.00, plus 624 hours operator @$2.50	6,030.00
4.	Sinking shaft 100 V.L.F. 170 C.Y. Rock - ($170.00 dynamite, $850.00 equipment, $2980.00 labor - 100 V.L.F. @ $40.00	4,000.00
5.	Exploration Drifts, 1,000 L. F. 1500 C.Y. Rock ($1500.00 dynamite, $3500.00 Equipment,$10,000.00 Labor. 1,000 L.F. @ $15.00	15,000.00
6.	Core Drilling - 8,000 V.L.F. AX Size Cores @ $4.30	34,400.00
7.	Assay Reports - 400 @ $6.00	2,400.00
8.	Contingencies	3,570.00
	TOTAL.....	$70,000.00

Probably does not mean "heavy spar" which is barite, but means high concentrations of fluorspar
WSM 3/18/58

NOTES:

1. Location of core drilling will follow the exposed ore veins, beginning at points where heavy spar is exposed in the ends of existing tunnels. Offset cores will be drilled to determine the width of deposits. 4,000 linear feet of cores to explore spar deposits is proposed.

No, could mean barite 3/21/58

It is also proposed to drill 4,000 vertical linear feet of cores in exploring the area (hatched on Map, Exhibit "B") for manganese ore. Tests have shown the presence of manganese in waste dumps from old mining operations.

2. D-7, Item 3, will be used to strip surface veins, and ore bodies as located and leveling operations for the core drilling machine. Some road work will be necessary to expedite the exploration work.

3. Assay reports will be restricted to samples of manganese and fluorspar ore in so far as DMEA participation is involved, If assays are made to determine the presence of other minerals, Francis Mines will pay for such assays and will furnish DMEA with certified copies of each.

EXHIBIT "D"

ESTABLISHED 1878

GAYLE F. FARNHAM

Certificate of Assay

THE HENRY E. WOOD ASSAYING COMPANY

TELEPHONE KEYSTONE 4-4816

DENVER 4, COLORADO

733 W. COLFAX AVE.

Nov. 22, 1957

We hereby certify that the samples assayed for Glade Construction Company gave the following results per ton of 2000 lbs.

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 CaF_2	
Flourspar Ore from W.C. Francis Properties near Ouray, Colo.									89.74	

RECEIVED JAN 9 1958 D.M.E.A.

Gold at $_____ per ounce
Silver at _____ per ounce
Lead at _____ per lb.
Copper at _____ per lb.
Zinc _____ per lb.

Charges

$ 5.00

The Henry E. Wood Assaying Co.

By M W H.

EXHIBIT "E"

LABORATORY CERTIFICATE

Keldon research corporation

LUdlow 3-4044

MAIL: BOX 2555 TERMINAL ANNEX, LOS ANGELES 54, CALIF. • LABORATORY: 2565 BELGRAVE AVE., HUNTINGTON PARK, CALIF.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 9 1958

DATE	INITIALS	CODE

Date Nov.19,1957

Reference L.N. 19509-1

Submitted By Name The Henry E. Wood Assaying Co.

Address 733 W. Colfax

City Denver 4, State Colo.

Lab. No.	19509-1		
Marking	Glade Construction Co.		
	Not Less Than-Not More Than		
Silicon	1.0%	-	10.0%
Aluminum	1.0	-	10.0
Magnesium	0.5	-	5.0
Iron	0.3	-	3.0
Calcium	Major Constituent		
Sodium	0.03	-	0.3
Potassium	0.1	-	1.0
Phosphorus	0.1	-	1.0
Lead		-	0.01
Tin		-	0.03
Manganese	0.01	-	0.1
Gallium	0.001	-	0.01
Lithium	0.01	-	0.1 #
Copper	0.001	-	0.01
Silver	0.0003	-	0.003
Titanium	0.01	-	0.1
Strontium	0.003	-	0.03
Barium	0.005	-	0.05

The HENRY E. WOOD ASSAYING COMPANY
733 WEST COLFAX
DENVER 4, COLORADO

The above percentage ranges represent the probable concentrations of the elements found to be present.

Uranium Oxide not detected, less than 0.005%
Thorium Oxide not detected, less than 0.03%

KELDON RESEARCH CORPORATION

Thomas J. Rollins

Charges $ 10.00

EXHIBIT "E"

TJR/t-4

THE USE OF THIS REPORT FOR ADVERTISING PURPOSES MUST RECEIVE OUR WRITTEN APPROVAL

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 9 1959

DATE	INITIAL	CODE

Operation 33, 1957

[illegible] 2, 1957

[illegible] No. 1

[illegible] 116 #s

[illegible] No. 2

[illegible] No. 3

[illegible] No. 4 160 #

[illegible] No. 5

[illegible] No. 6 188 #s

[illegible] No. 7

[illegible] No. 8

[illegible] No. 9

EXHIBIT "F"

CUSTOM ASSAY OFFICE
BOX 811
EL PASO, TEXAS

September 19, 1957

SAMPLE NO. 10

AU- [illegible] AG- 0.6 ZN- 0.3 PB- 1.03 CUO2- 2.63 CU- [illegible]

SAMPLE NO. 11

AU- [illegible] AG- 0.6 ZN- 0.3 PB- 1.00 CUO2- 4.51 CU- [illegible]

SAMPLE NO. 12

AU- [illegible] AG- 0.8 ZN- 0.3 PB- 2.15 CUO2- 2.63 CU- [illegible]

[illegible]

AU- [illegible] AG- 1.25 ZN- 0.75 PB- 2.19 CU- [illegible] CUO2- 7.10

[illegible]

A. J. Rowland

A. J. Rowland

EXHIBIT "F"

TRANSCRIBED
CIRCA 2-1912

HENRY COOK
CONSULTING ENGINEER
1001 ALTA MERE DR., FORT WORTH, TEXAS

October 25, 1957

Mr. W. C. Francis
Francis Mining & Milling Corp.
2100 Spence Place
Knoxville, Tennessee

Re: Ouray Mining Properties

Dear Mr. Francis:

In regard to the assay certificates mailed to you from our office-we failed to identify the locations where each sample was taken from your properties. The following sample numbers and location of each may be of interest to you.

Sample No. 1 - End of drift to right in lower tunnel.
Sample No. 2 - Soft grade of spar adjacent to solid vein of spar in lower tunnel.
Sample No. 3 - Acid grade spar from processed stockpile at old mill.
Sample No. 4 - Chute No. 2 lower tunnel
Sample No. 5 - Surface sample from creek 300 feet souteast of main tunnel
Sample No. 6 - Waste dump top tunnel
Sample No. 7 - Spar location - beginning of drift right at dynamite
Sample No. 8 - Surface sample next to waterfall
Sample No. 9 - Surface sample from creek 300 feet southeast of main tunnel.
Sample No. 10 - Center of road 400 feet southeast of main tunnel
Sample No. 11 - Minnie B. Dump
Sample No. 12 - Dump pile main tunnel.

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

November 2, 1976

Miss Lorene Laugherty
Laugherty Incorporated
2120 Magnolia Avenue
P.O. Box 132
Knoxville, Tennessee 37901

Re: DMEA-4957 (Manganese and Fluorspar)
Francis Consolidated Mining & Milling Corp.
Francis Mining Tract
Ouray, Colorado

Dear Miss Laugherty:

This is in response to your request of October 22, 1976, for copies of material in the subject docket.

We are furnishing Cooper-Trent Division, Keuffel & Esser Co., Arlington, Virginia, with our copy of the material listed below. Cooper-Trent will contact you regarding the cost of reproductions for which there is a minimum charge plus a charge for postage and handling. Upon deciding how many copies you want, send the enclosed copy of this letter to Cooper-Trent with your letter of instructions.

The material includes the following items:

Francis Cons. Mining and Milling Corp. application for DMEA assistance	11 pages, various sizes (one page, two sides)
Transmittal letter	2 pages, 8½" x 11"
Bids for diamond drilling and list of proposed diamond drill holes	5 pages, 8" x 10½"
Maps:	
Exhibit "A". W. C. Francis Mining property, revised Jan. 31, 1958. Scale: 1" = 300'	22½" x 29"
Exhibit "B". W. C. Francis Tract, Feb. 1958. Scale: 1" = 300'	20½" x 21½"
W. C. Francis Mining property, Nov. 27, 1957. Scale: 1" = 300'	23¼" x 25¼"

Marks by Cooper-Trent. Presumably copies made of these items. H. Kokemo 12/22/76

AMERICAN REVOLUTION BICENTENNIAL 1776-1976 ©

Exhibit "G".
Report of Examination, Oct. 1-5, 1950, of
The Minnie B. Mines, Ouray County, Colorado
by C. R. Wilfley

8 pages, 8½" x 11"
(including 4 maps)

All future correspondence relating to procurement of copies should be with Cooper-Trent rather than this office.

We are returning to you herewith the five pages of material from your file on this property which were enclosed with your letter of October 22, 1976.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosures

Copies to: Cooper-Trent Division
Keuffel & Esser Co.
Wilson Boulevard at Danville Street
Arlington, Virginia 22201
Attention: Mr. Marvin Mundy

Mr. Avery Patterson
P.O. Box 1808
Washington, D.C. 20013
Office phone: 628-4460, Ext. 2503

cc:
DRF
MR Rdg.
OME Files
OME Rdg.
Kirkemo
Region III

Rcvd 10/27/76

Laugherty INCORPORATED

2120 MAGNOLIA AVE. — P. O. BOX 132
KNOXVILLE, TENNESSEE 37901

October 22, 1976

Office of Mineral Exploration
U.S. Geological Survey
953 National Center
Reston, VA 22092

Attn: Ms. Gale Wegand RE: DMEA # 4957

Dear Ms. Wegand:

Over two years ago my brother and I purchased the property of the now defunct Francis Consolidated Mining and Milling Company of Ouray, Colorado.

After the death of Mr. Francis in 1969, and the death of his mining engineer, Mr. Keith Johnson, most of the papers concerning the mine were either lost or destroyed. We have managed to find a few of his papers, and among those are the ones we are enclosing.

Would you be so kind as to send us a copy of everything that is in the DMEA file there in Washington, or anything else that is in the archives concerning this property.

Back in the eighteen hundreds different sections of the property was known by the following names:

The Minnie B. Mining Company
The Buckeye Boy
Bessie Bascom Consolidated Mining Company
The Empire State
The Ruby Trust
The Trust Ruby

As proof of ownership I am enclosing herewith a copy of our tax receipt.

If there is a charge for this service we will be happy to remit by return mail.

Thanking you knndly for your prompt attention in this matter, I am,

Very truly yours,

Miss Lorene Laugherty

LL:r

cc: Avery Patterson
Cooper-Trent Division
Kenfsei and Esser Company
encl:4

OURAY COUNTY
OURAY, COLORADO 81427

TAX NOTICE
1975

Page No. .....
....., 1975

DUE DATES AND PENALTIES

1975 TAXES BECOME DUE AND PAYABLE JAN. 1ST, 1976. HALF TAXES MUST BE PAID BY FEB. 28TH OR 6% PENALTY. 2ND HALF MUST BE PAID BY JULY 31ST OR 8% PENALTY. ONE FULL PAYMENT, PAID BY APRIL 30TH, NO PENALTY. TAXES TOTALING LESS THAN $25.00 MUST BE PAID IN FULL IN ONE PAYMENT PRIOR TO THE FIRST DAY OF MAY WHEN THEY BECOME DELINQUENT AND DRAW INTEREST OF 6% PER ANNUM.

PLEASE RETURN NOTICE WITH REMITTANCE TO RECEIVE PROPER CREDIT

102 PAT 729
~~FRANCIS CONS. MINING & MILLING~~ Forest Power
~~6147 CLINTON, HIGHWAY~~ 1400 Highland Drive
KNOXVILLE, TENN. 37918

ANGELIQUE 1647 SNF. 6.32
GRAND FLAG 1646 SNF. 10.33
LITTLE ROCK 829 SNF. 8.34
NEVADA 4841 SNF. 8.89
VICTORIA 1645 SNF. 10.33
B. 156 P. 315
AMELIA 1643 SNF. 7.31
BESSIE BASCOM 470 10.33
BUCKEYE BOY 477 SNF. 10.19
CALUMET 1162 SNF. 4.51
EMPIRE STATE 15528 SNF. 6.00
IDLEWILDE 471 SNF. 6.32
LITTLE IDA 1644 SNF. 8.63
LITTLE ROSE 544 SNF. 4.58
MINNIE B. 2554 SNF. 9.10
PILOT M. S. 7807B SNF. 4.72

Return this Notice with your Remittance. Payment by Check Subject to Collection.

COMPUTATION OF TAX

	VALUATION	LEVY	TAX DUE
Real Estate	4060.	69.60	282.58
Personal			
Special			

TOTAL TAX DUE → 282.58

Paid 3-4-76
Lorraine 141.29
VAS. R. 141.29
282.58
CK # 1289

MAKE REMITTANCE PAYABLE TO RAMONA RADCLIFF, Ouray County Treasurer

OFFICIAL FILE COPY
O. M. E
RECEIVED SEP 5 1961

DATE	INITIALS	CODE
9-5		100
		140
9/5		800
		~~500~~
		~~500~~
		220

~~August 29, 1961~~

Air Mail

Memorandum

To: Chief Geologist
Through: J. B. Hadley

From: Robert A. Laurence

Subject: Francis Consolidated Mining & Milling Co.

Recently certain stockholders of the Francis Consolidated Mining and Milling Company, a Knoxville corporation operating in the Ouray district of Colorado, have sued the President, William Francis, for fraudulent misrepresentation in the sale of stock, and Mr. Francis has filed a counter suit for defamation of character or something similar. These suits have been filed in the court of Knox County, here in Knoxville.

So far, all I know about the case is from what I've read in the papers, and what I've heard from some of the local mining people. It seems that two items of the misrepresentation charges may be based on (1) claims to have Government aid, when actually their DMEA application (Docket No. DMEA-4957) was not approved, and (2) out-of-context quotations from Survey Professional Papers, in the company's prospectus.

Trial of these suits is set for some time in September. If any developments of interest turn up, I'll report later.

Robert A. Laurence

RAL/mg
cc - Director
Branch
ACG
Files
Mr. George C. Selfridge, OME

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : W. R. Griswold

DATE: 7/21/61

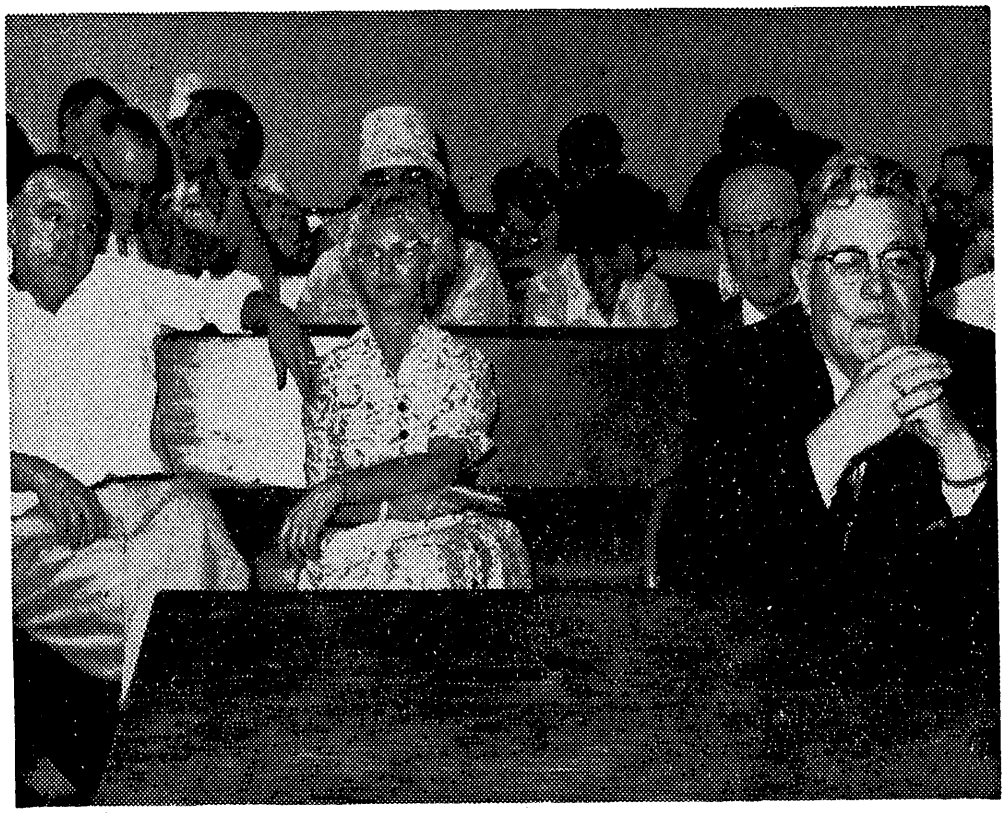
FROM : R. A. Laurence

SUBJECT: See DMEA-4957.

JUL 24 1961

7/24 cae 210
~~120~~
~~500~~

220



FRAUDULENT STOCK CASE PRINCIPALS — William C. Francis (right, at table) faces Sessions Court hearing Aug. 1 on a charge of larceny of $5000 by trick in a fraudulent stock scheme involving a Colorado gold mine. He was charged by Mrs. R. B. Wyrick, sitting with her husband on the front bench. Mrs. Wyrick, Route 1, Callahan Road, charged that Francis, 2100 Spence Place, sold her shares in his mining company by trick and "misrepresented their worth" to her.

Sessions Court Hearing Scheduled Next Month For William C. Francis

Sessions Court hearing is set Aug. 1 for William C. Francis, charged with larceny of $5000 by trick in a fraudulent scheme involving a Colorado gold mine.

He was charged in a warrant sworn out July 7 by Mrs. R. B. Wyrick, Route 1, Callahan Road. Mrs. Wyrick accused Francis, 2100 Spence Place, of selling her shares in his mining company by "fraud and misrepresentation." The shares are not worth $5000, according to Francis Headman, her lawyer.

The City Directory lists Francis as president of Francis Milling & Mining Corp.

According to the warrant, the transaction between Francis and Mrs. Wyrick occurred last March.

Hearing had been scheduled for 2 p.m. yesterday but was reset by Judge Charles H. Davis after a misunderstanding between Headman and the attorney general's office.

Headman moved that the case be taken directly to the Grand Jury, explaining he had discussed the charge with Asst. Atty. Gen. Thomas W. Thompson and they had agreed to bypass hearing in Sessions Court.

Atty. Gen. Clarence Blackburn told Judge Davis he knew nothing about the case and insisted that it be heard in Sessions Court. On recommendation of Blackburn, bond for Francis was reduced from $5000 to $2500.

EY DOWN!

Sunea 1957

FRIDAY

The Knoxville To

Independently Owned And Operated

ROY N. LOTSPEICH
President and Publisher (1936-1951)

MRS ROY N. LOTSPEICH
President and Publisher

CHARLES H. SMITH JR.
Vice President General Manager

"And as ye would that men should do to you, do ye

(The Bible quotation used today is a favorite of E. C. Jones, Eidson. Tomorrow we will use o

'...And This Little Miggie Goes To

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DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-21	Holt	400
8-21	Chapman	400
8/22	Selford	430
8/22	Lopez	130
8/22	Nelson	130
"	Johnson	110
"	Mitchell	100
		220

AUG 22 1958

Mr. W. C. Francis, President
Francis Consolidated Mining
and Milling Corp.
P. O. Box 192
Knoxville, Tennessee

Re: Docket No. DMEA 4957 - Manganese
and Fluorspar
Francis Mining Tract
Ouray County, Colorado

Dear Mr. Francis:

We regret that we were unable to completely process your application for exploration aid prior to June 30, 1958, the termination date for approving new contracts, as announced by the enclosed copy of a news release of June 6, 1958.

If the processing had been completed, we would have been unable to approve a project for manganese and fluorspar based on our available information on the property.

However, our decision would have been made without prejudice to the property, as additional information for rehabilitation work by you of some of the old workings may suggest an exploration project for lead-zinc ores. If pending legislation to continue exploration aid is enacted, we shall furnish you with the details of the new program.

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

Sincerely yours,

(for)

Administrator

TLCHAPMAN/dlm/foc
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. III
Messrs. Gilbert DeHuff, USBM
T. H. Kiilsgaard, USGS

Enclosure

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-19	Holt	400
8-19	Chapman	400
		110
		100

August 18, 1958

MEMORANDUM

To: Administrator, DMEA

From: Division of Iron and Ferro-Alloys, DMEA

Subject: Denial of the subject application for exploration assistance in the amount of $70,000.00.
Docket No. DMEA 4957 - Manganese & Fluorspar
Francis Consolidated Mining and Milling Corporation
Francis Mining Tract
Ouray County, Colorado

The processing of this application was not completed prior to June 30, 1958. However, had the processing been completed, we would have been unable to recommend a project for manganese and/or fluorspar on the information available to us in Washington concerning the property.

The above-noted property was the subject of a request dated March 13, 1958, for exploration assistance at an estimated cost of $70,000.00 for bulldozing access roads, drill sites, shaft site, shaft sinking and drifting.

A partial field examination was made on June 24, 1958, by M. H. Salisbury, Bureau of Mines, and F. B. Moore, Geological Survey, accompanied by Keith Johnson, representing the Applicant. As some of the workings were blocked by snow, the examination was completed on July 8, 1958, by E. W. Buell, Bureau of Mines.

Applicant: Francis Consolidated Mining and Milling Corp.
P. O. Box 192
Knoxville, Tennessee

Property Ownership:

The property consists of 15 patented and 23 unpatented lode mining claims owned by the Applicant and 7 patented lode mining claims held by lease. These leased claims cannot be made subject to lien. The properties are located in T. 43., R. 8 W., Mount Sneffels Mining District, Ouray County, Colorado, and the claims are as follows:

8623

Patented claims owned by Applicant.

Name of Claim	Mineral Survey No.
Empire State	15528
Buckeye Boy	477
Idlewilde	471
Little Rose	544
Bessie Bascom	470
Amelia	1643
Calumet	1162
Minnie B.	2554
Little Ida	1644
Pilot Mill Site	7807B
Angelique	1647
Grand Flag	1646
Little Rock	829
Nevada	4841
Victoria	1645

Claims under lease to the Applicant, Patented

Estella	12151
Circassian	160
Verda	6870A
Verda Mill Site	6870B
Clarence	12150
Yellowstone	1284
Smuggler	6558

Unpatented claims owned by the Applicant.

Claim Name	Book No.	Page No.	Claim Name	Book No.	Page No.
Brinda Jane	123	277	Eligha	123	341
Hazel Lee	123	278	Ethel Trenham	123	342
Francis	123	279	Grace Teague	123	342
Mary Ann	123	278	Hugh	123	343
Linda Jannet	123	276	Betty Jane	123	320
Orea Bell	123	338	Roxie	123	320
Charles Francis	123	338	Linda Sue	123	319
Ralph Teague	123	339	Ruby Mae	123	319
Stough Teague	123	339	Woody Ward	123	321
James Francis	123	340	Cleo	123	321
Mary Ruth	123	340	David	123	322
Mitchell Banks	123	341			

No copies of lease received.

Geology: The Ruby Trust tunnel and "Nearby" adit are in the Tertiary San Juan tuff; some of the Ruby Trust workings may be in the gabbro-diorite.

The northwesterly trending Ruby Trust vein isbbelieved to be the most productive vein in the area. Several other veins apparently branch from or intersect the Ruby Trust vein. The Ruby Trust vein is exposed for about 100 feet in the Ruby Trust tunnel and for about 100 feet in the "Nearby" adit. Stopes in upper levels are inaccessible and the extent of workings in the Ruby Trust tunnel are not known. No evidence of manganese is found in the available workings. Fluorspar was noted in the veins along the wall from 3 to 7 feet wide, with galena and sphalerite and reported to carry good silver values.

Past History
and Production:

The mines of this area were developed for lead, silver, gold and copper content. A small amount of fluorspar has been shipped. A contract was made with the Colorado Fuel and Iron Company for fluorspar, but the operator was unable to fulfill the contract.

Development:

The property has been explored and developed by adits at four different levels, which are about 150 feet apart. About 3,500 feet of adit crosscuts and/or drifts have been driven on the property at the various levels.

Ore Values
and Tonnage:

No manganese or fluorspar of a mining grade in significant tonnage was noted on the property. It is possible fluorspar might be produced as a by-product if mined with silver-gold, lead, copper and zinc ores.
No samples were assayed, a few samples taken were for visual inspection only.

Conclusions and
Recommendations:

On the Francis Mining Tract, manganese if present is a minor constituent, and fluorspar is present only in amounts which might be of interest as a by-product. Silver-gold, lead, zinc and copper minerals have been found in substantial quantities and additional minable deposits may be present in areas not explored by previous operators, particularly below the Ruby Trust tunnel level.

The exploration team recommends that the application for exploration assistance for manganese and fluorspar ores be denied. The Field Team concurs in the conclusions and recommendations of the examining team.

This Division believes that a denial of the application for exploration assistance for manganese and fluorspar ores is warranted but that an application including base metals and possibly gold and silver would be worthy of consideration.

The Commodity Divisions of the Geological Survey, and the the Bureau of Mines, concur in the conclusions and recommendations of the examining team and Field Team.

T. L. Chapman

T. L. Chapman, Acting Director
Division of Iron and Ferro-Alloys

TLCHAPMAN/dlm 8-19-58
cc to: Docket
Chrone
Admr. R. File
Oper. Comm.
Code 110

OFFICIAL FILE COPY DMEA RECEIVED AUG 20 1958		
DATE	INITIALS	CODE
8/20	H.g.	225
		400

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

Date August 19, 1958

DMEA Docket No. 4957
DMEA Contract No. ---
Commodity Manganese and Fluorspar
Name of Applicant Francis Cons. Mng. & Milling Corp.
Name of property Francis Mining Tract
Location of property Ouray Co., Colo.
Estimated cost of project $70,000

Non-Discrimination

To: W. S. Martin, Chief, Division of Iron and Ferro-Alloys, Defense Minerals Exploration Administration

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

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

1. Date of subject document: 8/6/58. 2. Date received by reviewer: 8/13/58

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

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

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

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

7. Explain items marked 'yes' above:

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

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

10. Remarks: (Use back of page if necessary)

Robert B. McDougal
Robert B. McDougal

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

August 14, 1958

OFFICIAL FILE COPY
IN REPLY REFER TO:
DMEA
RECEIVED AUG 15 1958

DATE	INITIALS	CODE
8/15	N. S.	225
8/15	RC	400

Memorandum

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

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

Subject: Review of field examination report, DMEA 4957 (manganese, fluorspar), Francis Consolidated Mining and Milling Corporation, Francis Mining tract, Ouray County, Colorado

The examining team report that the applicant's property is not favorable for the presence of manganese and fluorite ore deposits.

The mines of the area were developed for lead, silver, copper, and gold ore. A small amount of fluorspar has been shipped, but manganese has not been produced.

The examiners could not find evidence of manganese in any of the old mine workings on the property. Green fluorspar in small scattered lenses remains in the walls of the old adits.

From the examiners' report it appears that the property has considerable merit with regard to lead, zinc, silver, and gold deposits but possibilities are poor for manganese and fluorite. The report states, "If an application for exploration for lead and zinc should be submitted under a Government assistance program, the property would warrant reappraisal provided reliable data on the presently inaccessible workings can be obtained---".

I agree with the examining team that the present application probably should be denied. On the other hand, chances for ore discovery below the Ruby Trust adit appear to be promising. If rehabilitation of some of the old workings would be necessary in order to evaluate thoroughly that part of the mine the cost of such rehabilitation would seem to be a legitimate exploration expense and could therefore be participated in by the Government. If that is not the case, perhaps the applicant could be informed that mine rehabilitation on his part would furnish the basis for reappraisal of the property by the Government.

W. P. Williams

W. P. Williams

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 15 1958

DATE	INITIALS	CODE
8/15	W.G.	225
8/15	RLP	400

Office of Ferrous
Metals and Ferroalloys
Bureau of Mines,
Washington 25, D. C.

Date: August 13, 1958

DMEA Docket No. 4957
DMEA Contract No.
Commodity Manganese and Fluorspar
Name of Applicant Francis Cons. Mng.& Milling Corp.
Name of property Francis Mining Tract
Location of property Ouray Co., Colo.
Estimated cost of project $70,000

To: W. S. Martin, DMEA

From: G. E. DeHuff, Jr., Commodity Specialist
Branch of Ferrous Metals and Ferroalloys

Subject: Docket at Field Team Report
(Application, Field Team Report, etc.)

1. Date of project completion: 8/6/58. 2. Date received by reviewer: 8/12/58

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

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

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

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

7. Explain items marked "yes" above:

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

9. Action officer:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [ ]
   c. Denial [ ]
   d. Agree with Field Team [ ]
   e. Discuss with Field Team [ ]
   f. Submit alternate [illegible] [ ]
   g. Request another [illegible] [ ]
   h. Approval [ ]
   i. Consult with [illegible]

10. Remarks: (Use back of page if necessary) Speaking solely from the standpoint of manganese, it is recommended that subject application be denied. The Field Team was unable to find any worthwhile occurrence of manganese.

G. E. DeHuff, Jr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

August 6, 1958

FILE COPY
DMEA
RECEIVED AUG 8 1958

DATE	INITIALS	CODE
8/8	C	220
8/12	[illegible]	130
8/12	[illegible]	220
8/12	[illegible]	400

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4957 (Manganese and Fluorspar)
Francis Consolidated Mining and Milling Corporation
(Francis Mining Tract) Ouray County, Colorado -
Joint Report of Examination

Enclosed are the original and two copies of the joint report of examination on the subject property by F. B. Moore, USGS, and M. H. Salsbury and E. W. Buel, USBM.

The Field Examiners believe that manganese, if present on this property, is a minor constituent, and fluorspar is present only in amounts which might be of interest as a by-product. They, therefore, recommend that the application to explore the property for manganese and fluorspar be denied. We concur in this recommendation.

Lead, zinc and silver minerals have been found in substantial quantities and additional deposits may be present, particularly below the Ruby Trust tunnel level. If an application for exploration for lead, zinc and silver should be submitted under a Government assistance program, the property would warrant reappraisal if the mine workings are made accessible.

By J. W. Townsend
J. W. Townsend
Alternate Acting Executive Officer.

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
8-12-58
(date)

FOR GOVERNMENT USE ONLY

HMC

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA
DEPARTMENT OF THE INTERIOR
AUG 5 - 1958
REGION III
DENVER, COLORADO

DMEA 4957

Francis Consolidated Mining and Milling Corporation

Francis Mining Tract

Ouray County, Colorado

TRANSMITTED
AUG 6 - 1958

COPY
AUG 8 1958
DATE | COPY
8/12 HB 130
220
8/12 RLC 400

Manganese and Fluorspar

ON SITE EXAM

Joint Engineering and Geologic Report

by

F. B. Moore, Geologist
Geological Survey

M. H. Salsbury, Mining Engineer
E. W. Buel, Mining Engineer
Bureau of Mines

August 4, 1958

Reviewed by
DMEA OPERATING COMMITTEE
8-12-58
(date)

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DMEA 4957

FRANCIS CONSOLIDATED MINING AND MILLING CORPORATION
FRANCIS MINING TRACT
OURAY COUNTY, COLORADO

INTRODUCTION AND SUMMARY

A partial field examination of the subject property was made on June 24, 1958, by M. H. Salsbury of the Bureau of Mines and F. B. Moore of the Geological Survey, accompanied by Keith Johnson of Ouray, Colorado, representing the applicant. Inasmuch as the main workings were blocked by snow, the examination was completed on July 8th by E. W. Buel, Bureau of Mines, who was in the area on other DMEA business.

The applicant proposes exploration by drilling and underground methods at an estimated cost of $70,000.00. Government participation at 50 percent for fluorspar and 75 percent for manganese would average 62-1/2 percent or $43,750.00.

The applicant's exploration proposal and cost estimate are poorly prepared and incomplete, and form an inadequate basis for a project. Mr. Johnson, who is now the applicant's local representative, and presumably would have charge of the operation, was not associated with the corporation when the application was made. He suggests a program of surface drilling only. A revised drilling proposal calling for 10 holes from surface locations was submitted on July 28, 1958.

No manganese minerals were seen in the Francis Mining Tract workings; fluorite occurs in several places in lenses up to 1 foot thick. However, fluorite is present in insufficient quantity to indicate a significant deposit although it might be produced as a by-product of mining lead-zinc-silver ores.

It is recommended that the application for aid to explore for manganese and fluorspar be denied.

ACKNOWLEDGMENTS

The applicant submitted a poorly prepared application with a cost estimate and one drilling bid. The maps originally submitted were incomplete as compared to maps obtained from C. R. Wilfley. Drilling exploration was proposed only in general terms, and the proposed underground exploration appears to be based on the applicant's erroneous map. On July 28, 1958, Mr. Johnson submitted a revised drilling proposal of 10 core holes from surface sites, with a map based on the Wilfley maps already obtained by the field examiners.

Mr. C. R. Wilfley, a mining engineer of Denver, Colorado, furnished the DMEA examiners with a plan map and vertical section of mine workings. These maps are not necessarily complete, however.

The results of an examination under Docket DMEA 2099 on the adjoining Torpedo-Eclipse mine were consulted.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Francis Mining Tract is in T. 43 N., R. 8 W., NMPM, Mount Sneffels Mining District, Ouray County, Colorado. The mine portals are on a slope above Mount Sneffels Creek, a branch of Canyon Creek, and are reached over 7 miles of graded county road from Ouray, Colorado. Ouray, Colorado, is 100 miles from Grand Junction, Colorado, the nearest major source of supplies.

The mine area, ranging upward from an altitude of 10,500 feet at the Ruby Trust tunnel portal, has high topographic relief with precipitous slopes forming canyon walls. Crests of ridges are as much as 2,500 feet above the canyon floor. There is a dense timber growth on lower slopes.

Precipitation is heavy and surface operations are usually feasible only in summer and early fall. Underground operations are feasible throughout the year with proper preparation. An ever-present winter hazard is the snowslides which occur in some years with great frequency and cause serious damage to timber and exposed mine surface plants as well as occasional loss of life. The winter of 1957-58 was particularly severe in this respect and an unusual number of slides occurred in the Ouray area. In the canyon of Mount Sneffels Creek, many slides run near the Francis Mining Tract, and the surface buildings at the Ruby

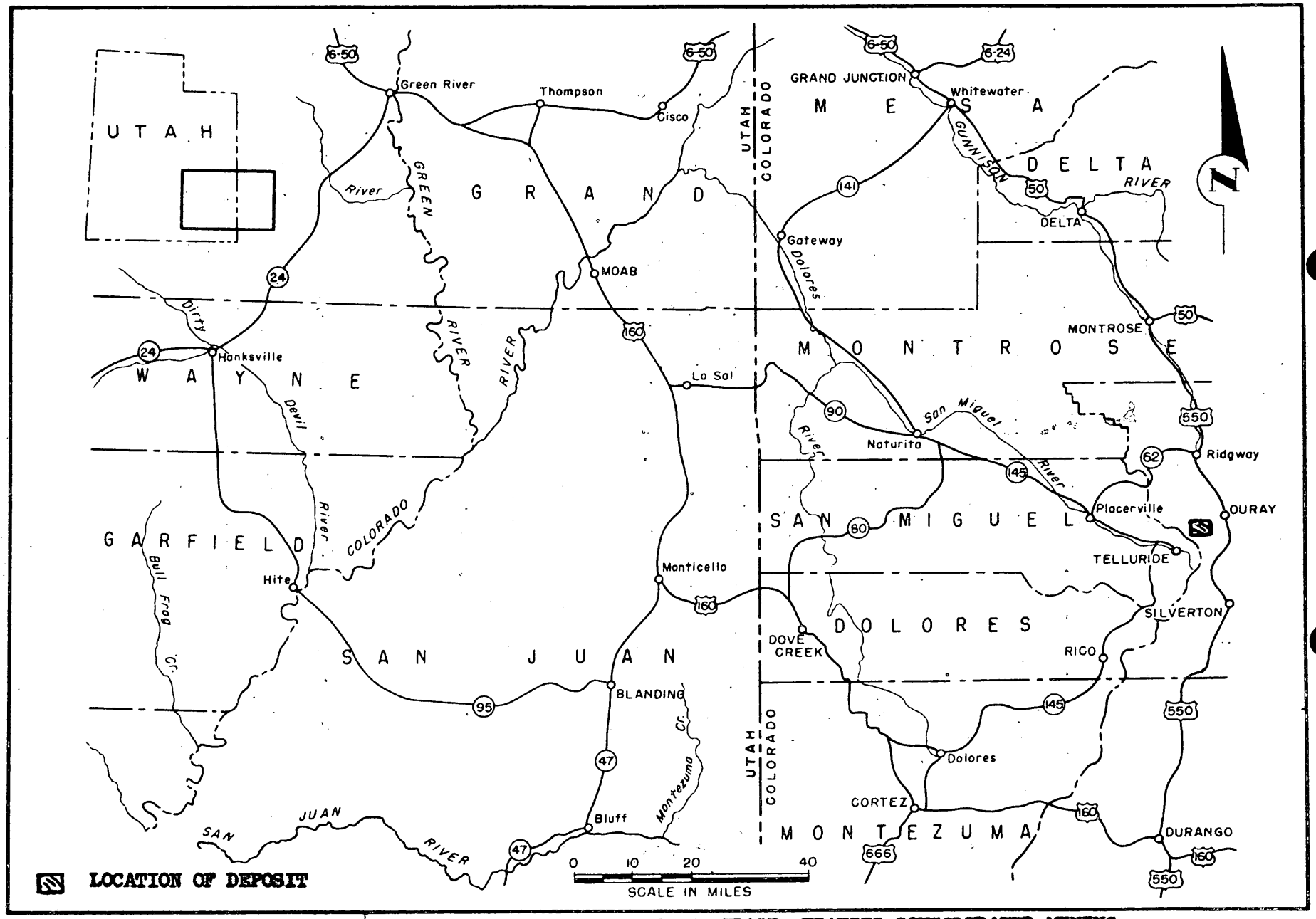

FIGURE 1. - LOCATION MAP, FRANCIS MINING TRACT, FRANCIS CONSOLIDATED MINING AND MILLING CORP., OURAY COUNTY, COLORADO, DMEA 4957

Trust tunnel were wrecked. At the time of the first DMEA examination the main tunnel portal was still blocked by the packed debris from a slide.

Water and timber for mining operations are obtainable on the property. Electric power is available from power lines running within 1 mile of the property. Mine labor is reasonably plentiful in the area. Living quarters are available in Ouray where most mine employees live.

Assuming that manganese and fluorspar were available in minable quantities, a logical market for metallurgical grade fluorspar, and perhaps manganese, would be the Pueblo, Colorado, plant of the Colorado Fuel and Iron Company. However, previous fluorspar operators in the area have been unable to fulfill requirements under contracts with this purchaser. These materials might also be sold under the Government stock piling program.

HISTORY AND PRODUCTION

The mines of the immediate area were developed for the lead, silver, copper, and/or gold content of the veins. Production has consisted almost entirely of these metals although a small amount of fluorspar has been shipped. No record of manganese production or occurrence could be found. One nearby property, the Torpedo-Eclipse, was examined in 1951 under Docket DMEA 2099 in connection with an application for manganese exploration. The examining geologist reported that the

manganese content of exposures in the mine was negligible and that fluorspar was present in scattered pockets as large as 10 x 5 x 2 feet. This is the character of the mineralization observed by the present examiners.

Mr. Johnson reports that the applicant has shipped small amounts of fluorspar since 1950. The DMEA examiners were told by a local mining man that the applicant had made shipment under a contract with the Colorado Fuel and Iron Company but had been unable to fulfill it.

PROPERTY OWNERSHIP

The property consists of 15 owned patented claims, 23 owned located claims, and 7 leased patented claims. The effective area is considerably less than the theoretical area because many claims overlap. The applicant stipulates that leased claims cannot be made subject to lien. This would eliminate from DMEA consideration the vein developed near the portal of the Ruby Trust tunnel which Mr. Johnson considers is one of the best prospects for drilling exploration on the property.

The outer boundary of the Francis Mining Tract is irregular and there is an area between the Tract and portions of the leased ground not owned or controlled by the applicant. Several matters pertaining to claim names raised by Washington DMEA reviewers were not resolved as Mr. Johnson was not familiar with these matters. Copies of leases referred to in the application were not furnished.

PRESENT STATUS

Exploration and development

The property is developed by adit tunnels at four different levels. Only two adits are accessible at the present time. The portals are just above the floor of Mount Sneffels Creek canyon and about 150 feet apart (fig. 2). The crosscut tunnel examined by Moore and Salsbury ("Nearby" adit in fig. 2), the "existing tunnel" to the southeast on the applicant's Exhibits "A" and "B", cut a vein at 460 feet which contained occasional lenses of fluorspar up to 1 foot wide. The other adit, the Ruby Trust tunnel, was open as far as the Ruby Trust vein, a short section of which was accessible. E. W. Buel saw occurrences of fluorspar in the vein similar to those in the "Nearby" adit. The vein near the portal was stoped above the level, and it was not determined if fluorspar is present in it or not.

Mining and milling equipment and other facilities

There is no mining or milling equipment at the property. Portal buildings at the Ruby Trust tunnel portal had been destroyed by a snowslide, and at the time of the first examination, a crew was employed clearing them away and opening up the tunnel portal. Underground exploration and core drilling would presumably be contracted to local miners who would furnish all equipment.

GEOLOGY

The Ruby Trust tunnel and the "Nearby" adit are in Tertiary San Juan tuff; some of the caved Ruby Trust workings may be in gabbro-diorite of the Stony Mountain stock adjacent on the west.

The northwesterly-trending Ruby Trust vein is believed to be the most productive vein in the immediate area covered by the application. Several other veins apparently branch from or intersect the Ruby Trust and, although none of several interpretations could be checked in the field, it is doubtful if the interpretation presented in the application is correct.

The Ruby Trust vein is exposed in two places: (1) for about 100 feet in the Ruby Trust tunnel and (2) for about 100 feet in the "Nearby" adit (fig. 2). Upper adits and levels from which the vein was stoped are inaccessible; the extent of workings along the vein in the Ruby Trust tunnel is not known owing to a cave. In neither the Ruby Trust tunnel nor the "Nearby" adit could any evidence of manganese be found. In both adits green fluorspar remains on the walls in lenses up to a foot wide. Small stopes in both adits indicate attempts were made to mine the vein. The vein, which dips 70-80° southwest, is 6 to 7 feet wide in the Ruby Trust tunnel and 3 feet wide in the "Nearby" adit. Where the width was 6 to 7 feet, the vein contained enough galena and sphalerite to possibly be ore grade material. No assays for silver

were taken but the content is reported to be high. Where the width was 3 feet, little evidence of sulfides was seen.

A vein, name unknown, was followed by the Ruby Trust tunnel from the portal for about 500 feet northwest and possibly farther beyond a caved area. This vein was stoped for 400 feet of the exposed distance. The company plans to drill this vein beyond or below the workings to the northwest.

ORE RESERVES

There are no ore reserves on the property. The area with the best potential for lead-zinc-silver ore reserves with fluorspar possibly as a by-product, is below the Ruby Trust tunnel where no exploration has presumably been done to date.

No channel samples were taken by the DMEA examiners. The amount of fluorspar and manganese present in the workings can be judged visually. One sample of solid fluorite was taken across a width of 12 inches in a lens in the vein exposed at 460 feet from the portal in the "Nearby" adit. The sample, taken for closer examination, was not analyzed.

Evidence of the occurrence of manganese was little more than staining typical of vein mineralization.

The analytical results of samples submitted by the applicant are meaningless because descriptions are incomplete. However, even the best of them do not contain manganese in commercial quantities. The fluorspar

content of some samples is substantial but again no data on width represented was given.

The term "heavy spar" used by the applicant in noting mineralization on one of the maps submitted refers to a high content of fluorspar and not barite as the Chairman of the Operating Committee surmised might be the case. Incidentally, the "heavy spar" indicated in the face of the "Nearby" adit ("existing tunnel" on the applicant's Exhibits A and "B") was not seen. Probably referred to is the fluorspar in the vein found in this tunnel. The tunnel is longer than shown by the applicant (see fig. 2). The "known deposit heavy spar" noted in the Ruby Trust tunnel is not at the point shown on Exhibits "A" and "B," but is probably the fluorspar seen by E. W. Buel in the workings on the Ruby Trust vein. The drift on the Ruby Trust vein is not shown on Exhibit "A" and "B," but is shown on the map submitted with the revised drilling proposed of July 28, 1958. Its position is as shown on figure 2.

PROPOSED EXPLORATION

The applicant originally proposed, at an estimated cost of $70,000.00, underground exploration consisting of a 100-foot shaft and 1,000 feet of drifting together with 8,000 feet of core drilling at undetermined locations. The location of the collar of the shaft and justification for the work is not clearly set forth in the application, and Mr. Johnson did not know what was intended. The applicant

also proposed preliminary topographic mapping which is not a proper item in a DMEA project. One drilling bid was submitted with the cost estimate.

Because of the probable decision to be recommended by the examining team, revision of the proposed exploration plan was not discussed in the field.

On July 28, 1958, a revised drilling proposal was submitted by the applicant together with two drilling bids. It called for a maximum of 3,600 feet of core drilling in 10 angle holes to be drilled from surface sites. The tentative sites are shown on figure 2. Of the 10, only 4 could be drilled as part of a DMEA program, assuming that a project was justified. On the basis of the property rights as shown in the application, the target (holes no. 8, 9, 10) near the portal of the Ruby Trust tunnel is on leased ground which cannot be subordinated. The holes (nos. 2, 3, 4) directed toward the long northeast-trending crosscut in the Ruby Trust tunnel would be on ground not controlled by the applicant. Moreover, there does not appear to be a worthwhile target for these holes, because the crosscut is not driven on a vein.

CONCLUSIONS AND RECOMMENDATIONS

On the Francis Mining Tract, manganese, if present, is a minor constituent, and fluorspar is present only in amounts which might be of interest as a by-product. Lead, zinc, and silver minerals have been found in substantial quantities and additional minable deposits may be present in areas not explored by previous operators, particularly below the Ruby Trust tunnel level.

It is therefore recommended that the application under Docket DMEA 4957 to explore for manganese and fluorspar be denied. If an application for exploration for lead and zinc should be submitted under a Government assistance program, the property would warrant reappraisal provided reliable data on the presently inaccessible workings can be obtained so that the extent of unexplored sections of the veins can be verified.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-1	Martin	400
	Martin	130
8/1	Johnson	110
/	Stutteville	100
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AUG 1 1958

DEPARTMENT OF THE INTERIOR

DMEA

14X4401(01) Revolving Fund
Defense Production Act,
Interior (Transfer to Office of
Secretary)

T E L E T Y P E

J. W. TOWNSEND
ALTERNATE ACTING EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION 3
224 NEW CUSTOMHOUSE BUILDING
DENVER, COLORADO

REDOCKET DMEA 4957 FRANCIS CONSOLIDATED MINING AND MILLING CORPORATION. PLEASE TELETYPE YOUR RECOMMENDATIONS AND ADVISE WHEN WE MAY EXPECT EXAMINATION REPORT.

W. S. Martin
(Sd)
ACTING CHAIRMAN, OPERATING COMMITTEE

WSMartin/izm 8-1-58

cc: Mr. Martin
Admr.'s Reading File
Operating Committee
THKiilsgaard, USGS, 5224
Gilbert DeHuff, USBM, 3521
Confirmation Copy

8623

Chairman, DMEA.

DN 235 BUR MINES 8-1-58 4-18

CHAIRMAN OPERATING COMMITTEE

REURTT, DMEA 4957, FRANCIS CNXXX CONSOLIDATED MINING AND MILLING CORP., REPOTXX REPORT OF EXAMINATION RECOMMENDING DENIAL WILL BE FORWARDED YOU THE WEEK ENDJXXX ENDING AUGUST 8, 1958.

J W TOWNSEND

3

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DMEA
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	WSM	400

Denver, Colo.

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

AUG 4 7 44 AM '58

SPECIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado
July 30, 1958

DMEA
RECEIVED AUG 4 1958

DATE	INITIALS	CODE
8/4	J.S.g.	225
	WSM	400

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4957 (Manganese-Fluorspar) Francis Consolidated Mining and Milling Corporation (Francis Mining Tract) Ouray County, Colorado

Enclosed are the following:

1. Copy of a letter dated July 28, 1958, from the Applicant's representative.
2. List of proposed diamond drill holes showing depth and attitude.
3. Copy of drilling bid from Sprague and Henwood, Inc.
4. Copy of drilling bid from MacPherson Drilling Company.
5. Copy of revised drilling proposal by Sprague and Henwood, Inc.

Only one copy of a map showing the Applicant's proposed location of drill holes accompanied the drilling bids. This map is being forwarded to the engineer examiner. Will you please place the above data with your copy of the application.

J. W. Townsend

DMEA
DEPARTMENT OF THE INTERIOR
JUL 2 1958
REGION III
DENVER, COLORADO

Box 402
Ouray, Colorado

July 28, 1958

Mr. E. N. Harshman
Department of Interior
DMEA
248 New Customs Building
Denver, Colorado

Re: Docket No. 4957, DMEA
Francis Mining Tract
Ouray, Colorado

Dear Mr. Harshman:

I have enclosed two bids covering the diamond drilling proposal for Francis Consolidated Mining and Milling Co., list of anticipated depth of holes showing a total depth of 3600 feet, and map of the workings showing location of proposed holes on the Ruby Trust property.

Preparation for an immediate start have been completed in full, including drill sites, access roads, etc., and we only await approval, if and or when it is granted.

Sincerely yours,

Keith P. Johnson

Keith P. Johnson, Agent
Francis Consolidated
Mining and Milling Co.

KPJ:f
enc

4/28 C WSM 4cc

224 New Customhouse
Denver 2, Colorado
April 24, 1958

Memorandum

To: E. N. Harshman
DMEA/DFC Att: Buel

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4957 (Manganese and Fluorspar) Francis Consolidated Mining and Milling Corporation (Francis Mining Tract) Ouray County, Colorado

Enclosed is a copy of a letter from the Chairman, Operating Committee dated April 21, 1958, on the subject docket. Also enclosed is a review of the application by Robert B. McDougal, Commodity Specialist, Branch of Construction and Chemical Material.

A copy of the application received from the Washington Office, DMEA is also enclosed for use by the engineer examiner.

Original signed by
E. N. HARSHMAN

E. N. Harshman

EMC:dp
cc: Sec. Op. Comm. (2)
Docket
Chron.

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DMEA
RECEIVED APR 14 1958
DATE | INITIALS | CODE
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| WSM |

224 New Customhouse
Denver 2, Colorado

April 11, 1958

Mr. W. C. Francis, President
Francis Consolidated Mining & Milling Co.
P. O. Box 192
Knoxville, Tenn.

Re: Docket No. DMEA 4957 (Manganese-Fluorspar) Francis Consolidated Mining and Milling Corp. (Francis Mining Tract) Ouray, Colorado.

Dear Mr. Francis:

Will you please advise this office as soon as the captioned property is accessible and free of snow so that we may schedule a field examination.

In the meantime, the additional information requested in Mr. Mittendorf's letter to you, dated April 3, 1958, should be assembled and forwarded to this office.

A copy of this letter is being forwarded to your representative, Mr. Keith Johnson, who will know the local weather conditions.

Very truly yours,

Original signed by
E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer,
DMEA Field Team, Region III

cc: Mr. Keith Johnson
P. O. Box 402
Ouray, Colorado

EMC:dp
cc: Sec. Op. Comm.(2)
Harshman
DMEA/DFC (Buel)
Docket
Chron.

DMEA Form 7
(12-56)

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Date	Surname	Code
4-18	Chairman	400
4-18	Martin	400
4/21	[illegible]	130
"	Johnson	110
"	Chatterton	106
4/21	[illegible]	220

APR 21 1958

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 4957 - Manganese and Fluorspar
Francis Consolidated Mining & Milling Corp.
Francis Mining Tract
Ouray, Colorado

Dear Mr. Harshman:

Enclosed are copies of memorandum dated April 4, 1958, by Robert B. McDougal, Commodity Specialist, Bureau of Mines, relating to the subject application insofar as it concerns fluorspar. Also enclosed is another copy of the application for use of the Field Team.

We also thank you for your memorandum of April 9, 1958, submitting for our files copies of the report, Docket No. DMEA 2099, covering examination of the adjacent Torpedo-Eclipse mine.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GHB)

APPROVED:

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

Thor H. Kiilsgaard (GHB)
Member, Geological Survey

TLCHAIRMAN:foc 4-18-58
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. III
Messrs. Gilbert DeHuff, USBM
Thor H. Kiilsgaard, USGS
Robert B. McDougal, USBM

Enclosures

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

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DATE	INITIALS	CODE
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April 9, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2099 (Manganese) Ruell Morgan (Torpedo-Eclipse mine) Ouray County, Colorado

In the last paragraph of your letter of April 3, 1958, referring for field examination DMEA Docket 4957, Francis Consolidated Mining and Milling Corporation, you state that your file on DMEA Docket 2099 does not contain an examination report.

For your use, I am enclosing three copies of the examination report on Docket 2099.

E. N. Harshman

E. N. Harshman

Enclosures

4-15-58
Acknowledged
to: 18 203
& 8

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

RECEIVED APR 14 1958
DATE | INITIALS | CODE

C O P Y

224 New Customhouse
Denver 2, Colorado

October 25, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 2099, Ruell Morgan, applicant, Torpedo-Eclipse Manganese Mine, Ouray County, Colorado

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $9995.36 be denied.

The brochure is enclosed.

/s/ J. H. East Jr.
J. H. East, Jr.

/s/ A. H. Koschmann
A. H. Koschmann

Enclosures

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

C O P Y

200 New Customhouse
Denver 2, Colorado

October 25, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 2099, Torpedo-Eclipse Mine (Manganese), Mt. Sneffles Mining District, Ouray County, Colorado

Attached are 8 copies of the geologic report by Ward B. Meek covering subject docket. There is no manganese ore exposed underground or on the surface at the Torpedo-Eclipse property; however, several veins are exposed in the mine workings. One of these consists chiefly of quartz with some fluorite and disseminated pyrite, and locally black staining--presumably manganese oxide--is present, but slight. Another vein consists chiefly of quartz with some barite and a small amount of rhodochrosite. Interstitial to the barite and quartz is a secondary black mineral which forms a coating on a mineral with rhombohedral cleavage, probably rhodochrosite. The black oxide is probably psilomelane after rhodochrosite. Mr. Meek points out that there is no geologic reason to expect that manganese ore may be present on the property, and he, therefore, recommends that the loan be denied.

I concur with this recommendation.

Attached also is the brochure.

/s/ A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Attachments (9)

C O P Y

TORPEDO-ECLIPSE MINE (MANGANESE)

MT. SNEFFLES MINING DISTRICT

OURAY COUNTY, COLORADO

OFFICE OF DMEA
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DATE | CODE

DMA DOCKET 2099

Geology

By Ward B. Meek, Geologist
U. S. Geological Survey

OFFICIAL FILE COPY
RECEIVED APR 14

C O P Y

TORPEDO-ECLIPSE MINE (MANGANESE)
MT. SNEFFLES MINING DISTRICT
OURAY COUNTY, COLORADO

The Torpedo-Eclipse Mining Company has requested an exploration loan of $9995.36 for use in exploring their property in the Mt. Sneffles Mining District of Ouray County, Colorado. The owners hope to develop manganese ore.

The operating Camp Bird Mine is less than a mile down the valley from the Torpedo-Eclipse, and the buildings of the Revenue and Atlas Mines are within one-half mile across the valley from the latter.

The mine workings involved consist of several short adits and a main tunnel some 1600 feet long. Track and a 2-inch air line are in place. There is an ore bin of some 50 tons capacity, and a two-story wooden building that could be conditioned for use as a bunk house and office.

A strong vein averaging about 3 feet in width is exposed in the main tunnel and, reportedly, in two upper adits, now caved. The vein curves but has a very general east-west strike and a steep southerly dip. There are several splits from it. The enclosing rock is chiefly andesitic breccia, but a rhyolite dike forms the northern (hanging) wall at many places.

The vein material is almost entirely quartz, partly brecciated and banded. Fluorite forms occasional pockets as large as 10 x 5 x 2 feet. Pyrite, the only primary metallic mineral observed, is sparsely disseminated in the quartz and wall-rock as tiny grains. Black staining, presumably by manganese oxides, is present but slight.

There is nothing about this vein to indicate that it or its splits have any potential value in strategic minerals. Mr. Morgan's opinion that the mine should be extended to explore for manganese ore is based on the following:

1. Locally in the tunnel the rock shows a slight manganese oxide staining.

2. Mr. Morgan believes that previous exploration has followed too close to the valley and that there is better ore inside the hill.

3. Between stations 17 and 18 on the plot of the tunnel which is included in the brochure, Mr. Morgan has marked a "water course." This is a small flow of water issuing from near the floor of the tunnel where a round has been blasted out. There is no visible cross-structure. Mr. Morgan believes that a cross-structure or a split trending west-northwesterly will be found farther into the wall. His idea that any ore found here will be manganese ore is based on a few black nodules which he says he found at this point. No nodules were seen during this examination. Black staining is present which is probably manganese oxide formed by oxidation of rhodochrosite in a more pervious parallel vein or split a short distance into this wall.

Some 1500 feet westerly and some 250 feet higher than the portal of the main tunnel, there is an adit about 75 feet long. It exposes a vein similar in attitude, size, and strength to the main vein, but the gangue consists largely of barite associated with quartz. Interstitially between the barite and quartz is a substantial amount of secondary black mineral. A small amount of fresh rhodochrosite is present and, at higher magnification, much of the black mineral proved to be a coating on a mineral

with rhombohedral cleavage. Hence, the staining is believed to be psilomelane secondary after rhodochrosite. Mr. Morgan reports that hand-picked material from this dump assayed about 9% MnO_2; probably more of this manganese is in the carbonate than is in the oxide. There is no reason to believe that manganese ore, at least in commercial quantity, is present.

RECOMMENDATIONS

There is no manganese ore exposed underground or on the surface at the Torpedo-Eclipse Mine. There is no geologic reason to expect that any may be present unless as small scattered pockets of rhodochrosite, partly oxidized.

It is recommended that no loan be granted.

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DATE | INIT | COL
4/10 | WSM | 400

224 New Customhouse
Denver 2, Colorado
April 8, 1958

Memorandum

To: E. N. Harshman w/enclosures 1-6
E. W. Buel w/enclosures 2-6

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4957 (Manganese-Fluorspar) Francis Consolidated Mining and Milling Corporation (Francis Mining Tract) Ouray County, Colorado

Enclosed is the following material relating to the subject docket.

1. Copy of application for Government assistance in exploration work under the DMEA program.

2. Memorandum of Review by G. L. DeHuff, Jr., USBM.

3. Memorandum of Review by N. E. Nelson, USGS.

4. Letter of transmittal of the foregoing to this office dated April 3, 1958, from the Chairman, Operating Committee, DMEA.

5. Copy of a letter to Mr. W. C. Francis from W. S. Martin dated January 17, 1958.

6. Routing Control sheet.

A field examination of the property and a report of findings and recommendations are requested, if Mr. Keith Johnson is able to furnish you enough of the necessary information regarding the mineral ownership and proposed work program.

Original signed by
E. N. HARSHMAN

E. N. Harshman

HMC:dp
cc: Sec. Op. Comm. (2)
Docket
Chron.

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

OFFICIAL FILE COPY
DMEA
RECEIVED APR 14 1958

DATE	INITIALS	CODE
4/15	H.C.	225
	WSM	400

Date April 4, 1958

DMEA Docket No. 4957
DMEA Contract No.
Commodity Manganese and Fluorspar
Name of Applicant Francis Cons. Mining & Milling
Name of property Francis Mining Tract
Location of property Ouray County, Colorado
Estimated cost of project $70,000

~~Memorandum~~

To: W. S. Martin, ~~Chief~~, Division of Iron and Ferro-Alloys, Defense Minerals Exploration Administration

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

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

1. Date of subject document: 3/14/58. 2. Date received by reviewer: 3/26/58

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

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

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

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

7. Explain items marked 'yes' above: Fluorspar production has not been reported from Ouray County since early 1940. Total shipments for any one year prior never amounted to more than a few thousand tons from several small producers.

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

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

10. Remarks: (Use back of page if necessary)

See back page.

8. (d.) Geology of the area ought to have been mapped or at least an areal columnar structure indicating anticipated or favorable mineral horizons.

10. Sample #3 was reported to have been acid grade spar for proposed stockpile at old mill yet assay on sample #3 indicates only a metallurgical grade material.

"Heavy spar" referred to on map may be an exposed area where it is abundant - not necessarily high grade ore.

Robert B. McDougal

Robert B. McDougal

Copy to: Thor H. Killsgaard
Frank D. Lamb
Division of Minerals
Br. of Const. & Chem. Mats.
F I L E S

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4-2	Martin	400
4/2	Jeffrey	430
4/2	Dopes	130
4/2	Nelson	130
"	Johnson	110
"	Stockdale	100
4/3		220
		400

APR 3 1958

Mr. W. C. Francis, President
Francis Consolidated Mining &
Milling Corp.
P. O. Box 192
Knoxville, Tenn.

Re: Docket No. DMEA 4957 - Manganese
and Fluorspar
Francis Mining Tract
Ouray County, Colorado

Dear Mr. Francis:

Your application of March 13, 1958, although more specific than the data submitted with your letter of January 7, 1958, does not give us the details requested in the fourth and fifth paragraphs of our letter to you of January 17, 1958.

What is needed is information, which would probably have to be illustrated by mine maps, regarding the position of the veins on the claims. We are particularly interested in the apex rights with respect to each area excluded because it is either unowned or leased from lessors who will not sign our "Consent to Lien" forms for their ground. Also required is a layout of the proposed work as related to the geological features of the property. We regret that we cannot accept your suggestion that the application be considered without such information.

On March 24, 1957, we discussed the subject with Mr. Robert A. Laurence, with whom you conferred in Knoxville, Tennessee. It is our understanding that, for engineering advice in the preparation of your application, you are relying on Mr. Keith Johnson, Engineer, Ouray, Colorado, who made your cost estimates.

It is suggested, therefore, that you provide the necessary information by having Mr. Johnson furnish it to the Executive Officer of the DMEA Field Team, Region III, or one of his staff, either in Denver or in Ouray, Colorado, whichever Mr. Johnson finds, on consultation with Mr. Harshman, would be most expeditious.

Sincerely yours,

(Sgd.)

Administrator

WSMartin/foc 4-2-58
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. III
Messrs. Gilbert DeHuff, USBM
T. H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4-2	Martin	400
4/2	[illegible]	130
"	Johnson	110
3	Hattendorf	100
		220

APR 3 1958

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 4957 - Manganese and Fluorspar
Francis Consolidated Mining & Milling Corp.
Francis Mining Tract
Ouray, Colorado

Dear Mr. Harshman:

The above-docketed application for exploration assistance is being referred to your office for review; and for a field examination if Mr. Keith Johnson, Engineer, Ouray, Colorado, is able to furnish to you or your staff enough of the necessary information regarding the mineral ownership and proposed work program.

Copies of memoranda dated March 18 and 25, 1958, by N. E. Nelson, Geological Survey, and Gilbert L. DeHuff, Jr., Bureau of Mines, respectively, relating to the application are enclosed, as well as one extra copy of the application for the use of the Field Team. The other extra copy is to be sent to you after it has been reviewed insofar as it concerns fluorspar. Also enclosed are copies of W. S. Martin's letter of January 17, 1958, to Mr. W. C. Francis. Mr. Robert A. Laurence, who will be glad to cooperate with you in any way, has already sent to you one copy of his memorandum of March 13, 1958, to Mr. Martin regarding that letter; another copy is enclosed for your convenience.

The topographic map in Exhibit "C" of the application caused us some inconvenience, as it included no readily identifiable geographical coordinates. However, it proved to have been made from an advance sheet (280-N-1-W/2, State of Colorado) found in Colorado Scientific Society Proceedings, Vol. 14 No. 5, 1941. In the same reference Plate 1, Preliminary Geologic Map of the Red Mountain, Sneffels, and Telluride Districts, shows the intersecting Circassian and Trust Ruby Veins. No doubt the Trust Ruby is the Ruby Trust of the subject application. Circassian appears as a claim name on the map which was sent to us as Exhibit "B" with the applicant's letter of January 7, 1958. On the current Exhibit "A" it appears without name as a leased claim running from the center of the easterly sideline of the Empire State across Sneffels Creek to the Southern end of the Little Rose.

Plate 53 of Bulletin 906-E does not extend far enough west along 38°00' N. to include the applicant's claims, which are less than a mile outside. However, Figure 35B of the same Bulletin and the related text suggests to us that the heavy spar mentioned in Exhibit "D" and mapped on Exhibit "B" may in fact be barite, and not a mistaken reference to fluorspar, as we had first surmised.

The Exhibit "B" which we received with the applicant's letter of January 7, 1958, shows (as the present Exhibit "B" does not show) that the adjoining property to the west is the Yankee Boy. This agrees with the Plate 1 identified above. It will be appreciated if you will cite for us any reference with which you are familiar that discusses the geology of the Yankee Boy.

In plotting the area of the applicant's claims on the 1955 NE/4 Telluride 15' quadrangle we noted that the power line, formerly shown as extending to the Atlas Mill, now stops at a small lake with elevation 10644, beside Sneffels Creek.

The Ironton Quadrangle, which adjoins the eastern border of the quadrangle just mentioned, shows that the portal of the Torpedo Eclipse Mine is about 3/4 mile east of the Ruby Trust Tunnel portal. Docket No. DMEA 2099 covers the denial of the application of Mr. Ruell Morgan for exploration aid for manganese at the Torpedo Eclipse Mine. That was a "Region IV" case and the only information about it in our files here is a one page application, but the Bureau of Mines microfilm (Number 80.4658, Roll 19) contains the Field Team report and recommendations.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

P. F. Yopes

Member, Bureau of Mines (PFY)

N. E. Nelson

Member, Geological Survey (NEN)

Enclosures

WSMartin/foc 4-2-58

cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. III
FT. REG. V
Messrs. Gilbert DeHuff, Jr. USBM
T. H. Kiilsgaard, USGS

ORIGINAL FILE COPY

DMEA

RECEIVED MAR 31 1958

DATE	INITIALS	CODE
3/31	C	220
	WSM	400

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

Date March 25, 1958

DMEA Docket No. 4957
DMEA Contract No.
Commodity Manganese & Fluorspar
Name of applicant Francis Cons. Mng. & Milling
Name of property Francis Mining Tract
Location of property Ouray, Colo.
Estimated cost of project $70,000

To: W. S. Martin, DMEA

From: G. L. DeHuff, Jr., Commodity Specialist
Branch of Ferrous Metals and Ferroalloys

Subject: Review of Application
(Application, ~~Mid-Term Report, Final~~)

1. Date project documents: 3/13/58 2. Date received by reviewer: 3/17/58

3. Other reports on this property known to reviewer: Yes [ ] No [XX]

4. Other reports on nearby properties known to reviewer: Yes [ ] No [XX]

5. Information available on post production: Yes [ ] No [XX]

6. Other investment factors known to reviewer: Yes [ ] No [XX]

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) Application shows no evidence of worthwhile manganese mineralization, but suggest it be referred to the DMEA Field Team for its consideration.

G. L. DeHuff Jr.

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 19 1958

DATE	INITIAL	CODE
3/19	C	220
	WSM	400

March 18, 1958
Re: DMEA 4957
Francis Cons. Mining & Milling
Francis Mining Tract
Ouray County, Colorado
$70,000 - Manganese & fluorspar

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in exploring for fluorspar and manganese by shaft sinking, drifting and core drilling.

In justification of the 4,000 feet of core drilling to locate manganese ore, the application says ".....tests have shown the presence of manganese in waste dumps from old mining operations, Assays of 3 samples, 1,4 and 6, show a manganese content. No details are given as to what the samples represent. Apparently none are channel samples.

Eight samples show a low Ca F_2 content. Parts of the high grade samples, 2 and 3, appear to have been taken in making up composite samples.

Notes on the map, showing where the proposed work would be done, mention "heavy spar" another name for barite. Probably 'fluorspar' is meant.

The cost estimates of shaft sinking and drifting are not realistic.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 15 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DMEA
RECEIVED MAR 17 1958

DATE		CODE
3/17	C	220
	WSM	400

March 13, 1958

Dmea 4957

Memorandum

To: W. A. Martin, Director, Division of Iron and Ferro-Alloys

From: Executive Officer, DMEA Field Team, Region V

Subject: Francis Consolidated Mining and Milling Corporation
P. O. Box 192, Knoxville, Tennessee

Reference is made to your letter to the subject Corporation, dated January 17, 1958.

On March 11, Messrs. Francis, Smith, and Haynes brought a partially completed revision of their application (for aid in exploring for fluorspar and manganese ores on a group of claims in Ouray County, Colorado) for my inspection. The application is still a long way from being adequate, but does contain some of the additional data requested in your letter.

Mr. Henry Cook, of Fort Worth, Texas, the Corporation's consulting engineer, has prepared a map showing the proposed project area, which now includes only claims which are said to be owned or leased by the prospective Applicant. Also shown are sites of the proposed shaft and drifts, but no geology.

The schedule of cost estimates is still only partially complete, showing only lump sums for such items as labor, equipment, supplies, explosives, etc. They said they had no detailed data as to wage schedules, equipment, etc., but that the estimates were obtained from a Mr. Johnson, of Ouray, Colorado, who has operated on adjoining properties and is expected to be in charge of the work on this proposed project. Estimates of costs were $27.20 per foot for sinking a 100-foot shaft and $10.00 per foot for drifting. I doubt if the application, when submitted, will contain a useful breakdown of estimated costs.

Only one bid for contract diamond drilling was included. They were advised to obtain bids from two additional contractors.

Mr. Francis indicated that they expect to resubmit their application soon, in the hope of having a field examination as soon as snow conditions permit. However, it appears to me that they still lack much of the required data for proper consideration of the application.

Robert A. Laurence

Robert A. Laurence

Copy was sent to King Region III

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

March 14, 1958

Francis Consolidated Mining
& Milling Corporation
P. O. Box 192
Knoxville, Tennessee

Subject: DMEA-4957

Dear Mr. Francis:

Your application for exploration assistance, dated March 13, 1958 submitted to our office at Washington, D. C. has been assigned Docket Number DMEA-4957 and referred to the Iron & Ferro Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region III

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/16/58	Martin	400
1/16	Selfridge	120
"	Johnson	110
"	Fortenberry	100
1/17	C	220

JAN 17 1958

Mr. W. C. Francis, President
Francis Consolidated Mining & Milling Corp.
P. O. Box 192
Knoxville, Tennessee

Dear Mr. Francis:

Your letter of January 7, 1958, addressed to the attention of Mr. Ernest Wm. Ellis, requests that consideration be given to approval of it and its attachments as an application for an exploration project for manganese and fluorspar ores. The attachments include four copies of Exhibit "B", but only one copy each of the other Exhibits, and only one copy of our Form MF-103. Your same letter answers some of the questions asked on that form, but no copies of it were submitted.

DMEA Order 1, Revised, copy of which we enclose for your convenience, sets forth procedures and regulations for obtaining Government aid in financing the cost of appropriate exploration, and provides explicitly (Sec. 3.) that an application for such aid must be submitted in quadruplicate. This allows simultaneous review by more than one Government agency.

Consequently, we are returning all your attachments, except one copy of Exhibit "B". We can consider your request as an application only if we receive in quadruplicate the completed application form, and Exhibits. Exhibit "G" is a report and will be acceptable in duplicate.

More essentially DMEA Order 1, Revised, also provides (Sec. 4.) that the application shall fully describe the exploration project. Although your letter proposes preliminary mapping, core drilling, stripping of surface veins, and shafts and drifts, it gives no details as to location in an area of approximately 700 acres, equivalent to more than one square mile in extent. Such a program of work with no specific geological target seems to be more in the nature of prospecting than exploration, and would not be eligible for assistance from DMEA, as you will note from the foreword to the enclosed "Questions & Answers" booklet.

If you decide to resubmit your proposal, another Exhibit should be attached providing reasonably detailed replies to the questions

8623

under "Item 4, The Exploration Project" on the back of Form MF-103. Such information is required so that we can determine whether a field examination by DMEA is justified. In order to give an application proper consideration for possible approval, we must have complete data from you and from our field men.

Comparison of the property schedule (part of your Exhibit "A") with the property map (Exhibit "B") and the claim map in Exhibit "G" suggests that the following matters would need further comment:

1. If, as stated in Mr. Joe R. Hayes' letter of December 19, 1957, to Mr. Henry Cook, part of Exhibit "A", the Clarence Lode, U. S. Survey No. 12150, cannot, under the terms of the lease, be subjected to any lien or encumbrance it should be hatched as excluded ground on Exhibit "B" and its seniority, or lack of seniority, should be clearly indicated with respect to the Calumet Lode, U. S. Survey No. 1162, Minnie B. Lode, U. S. Survey No. 2554, and other conflicting claims.

2. The Wanda Faye Lode is apparently a part of the Yankee Boy Mine area, outside the W. C. Francis boundary line on Exhibit "B".

3. No ownership is listed for the following claims shown on Exhibit "A":

2268 - Eldorado
1783 - Ruby Trust
15452A - G. C.
15452A - C. F.
- - Vulcan
- - Western
18334 - Funston
and 18334 - Tret was formerly shown as 18334 Taft.

It is also suggested, because of the unusual costs in your Exhibit "C", that you consult Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, in the event that your proposal is to be resubmitted.

Sincerely yours,

(S)

W. S. Martin, Director
Division of Iron and
Ferro-Alloys

Enclosures

WSMartin/foc 1-16-58
cc to: 400 cc to: FT. REG. V
Admr. R. File

W. C. FRANCIS, President

XXXXXXXXXXXXXXXXXXXXX
KARL H. MARTIN, Vice-Pres. & Secretary

Francis Consolidated Mining & Milling Corp.

OURAY, COLORADO

HOME OFFICE
XXXXXXXXXXXX P.O. Box 192,
Knoxville, Tennessee

OFFICIAL FILE COPY
MEA
RECEIVED JAN 9 1958

DATE	INITIALS	CODE
	WGM	400

January 7, 1958

U. S. Department of the Interior,
Defense Minerals Exploration Administration,
Washington 25, D. C.

Attn: Mr. Ernest Wm. Ellis.

Re: Application for Exploration Funds - W. C. Francis Mining Properties, Ouray, Colorado.

Gentlemen:

The attached application, for Exploration Funds in the amount of $62,500.00, is submitted for your consideration.

It is requested that consideration be given to approval of our application without details as to location of; core drilling sites, stripping of surface veins, shaft and drifts. If our application is approved, we will complete topographic mapping of the area to be explored, as set out in the estimate and from engineering drawings developed, submit to the Bureau for approval a complete plan of the exploration proposed.

The area to be explored consists of approximately 700 acres of property located about nine miles southwest of Ouray, Colorado, in the Mt. Sneffels Mining District.

The objective of the exploration project will be to locate and analyze deposits of manganese and fluorspar ores.

Assay reports accompanying the application reveal various types of ore present on the property. The grade of these, with the exception of Fluorspar, does not justify mining operations. The presence of manganese and the probability of mill grade ore was called to our attention by Custom Assay Office, El Paso, Texas. One sample taken from a waste dump from the upper tunnel shows a manganese content of 9.4 percent. The material in this dump was mined sometime between 1850 and 1900. Analysis of another sample from the lower tunnel shows 8 percent manganese. These samples were obtained by Mr. Henry Cook, Civil Engineer of Fort Worth, Texas, in August 1957. He made no attempt to find Manganese ore but picked samples at random for general assay purposes.

The Fluorspar analysis made by Henry E. Wood Assaying Co., 733 W. Colfax Avenue, Denver, Colorado, dated November 22, 1957, shows 89.74 percent Fluorspar from a sample taken by Mr. Henry Cook, from a vein approximately four (4) feet in width. This vein is probably several hundred feet in depth. The sample was obtained from the face of a drift about 30 feet below the ground surface. All ore samples taken from the mine show some Fluorspar content. It is anticipated that substantial deposits of Fluorspar will be found by proper exploration of this mining tract.

It is possible that mill grade ore of types other than manganese and fluorspar may be discovered in the proposed exploration project. If other ore deposits are discovered, as a result of this project, and subsequent mining operations result from such findings, the funds furnished by the Bureau of Mines on this project, will be repaid from such operations on the same basis as provided for in Bureau of Mines regulations governing the use of funds to explore for Manganese and Fluorspar. The applicant hereby agrees to a provision in the exploration agreement accordingly, if the Bureau of Mines should elect to include such a provision.

Exploration procedure, if this application is approved, will be:

1. Topographic mapping of the tract, showing all elevations (2 foot contour intervals in low areas and 5 foot intervals in rough terrain), portals, drifts, surface veins, water courses and other existing data.

2. Prepare and submit plan of core drilling and other exploration work proposed to Bureau of Mines for approval.

3. Simultaneous work on all phases of approved exploration, with copies of all data to be furnished to Bureau of Mines as work progresses.

Your consideration of this application at your earliest convenience will be appreciated.

Yours very truly,

W. C. Francis

W. C. Francis

Enclosures:
1. Application Form MF-103, Revised Oct. 1957.
2. Ownership data, Exhibit "A"
3. Property Plat " "B"
4. Estimate of cost " "C"
5. Henry E. Wood Assay Report on Fluorspar, Exhibit "D"
6. Custom Assay Office, El Paso, Report " "E"
7. Root & Norton Assay " "F"
8. C. R. Wilfley Comments (Pertinent) " "G"

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

EXAMINATION REPORT
DMEA 4957

PREPARED FOR
DEFENSE MINERALS
EXPLORATION ADMINISTRATION

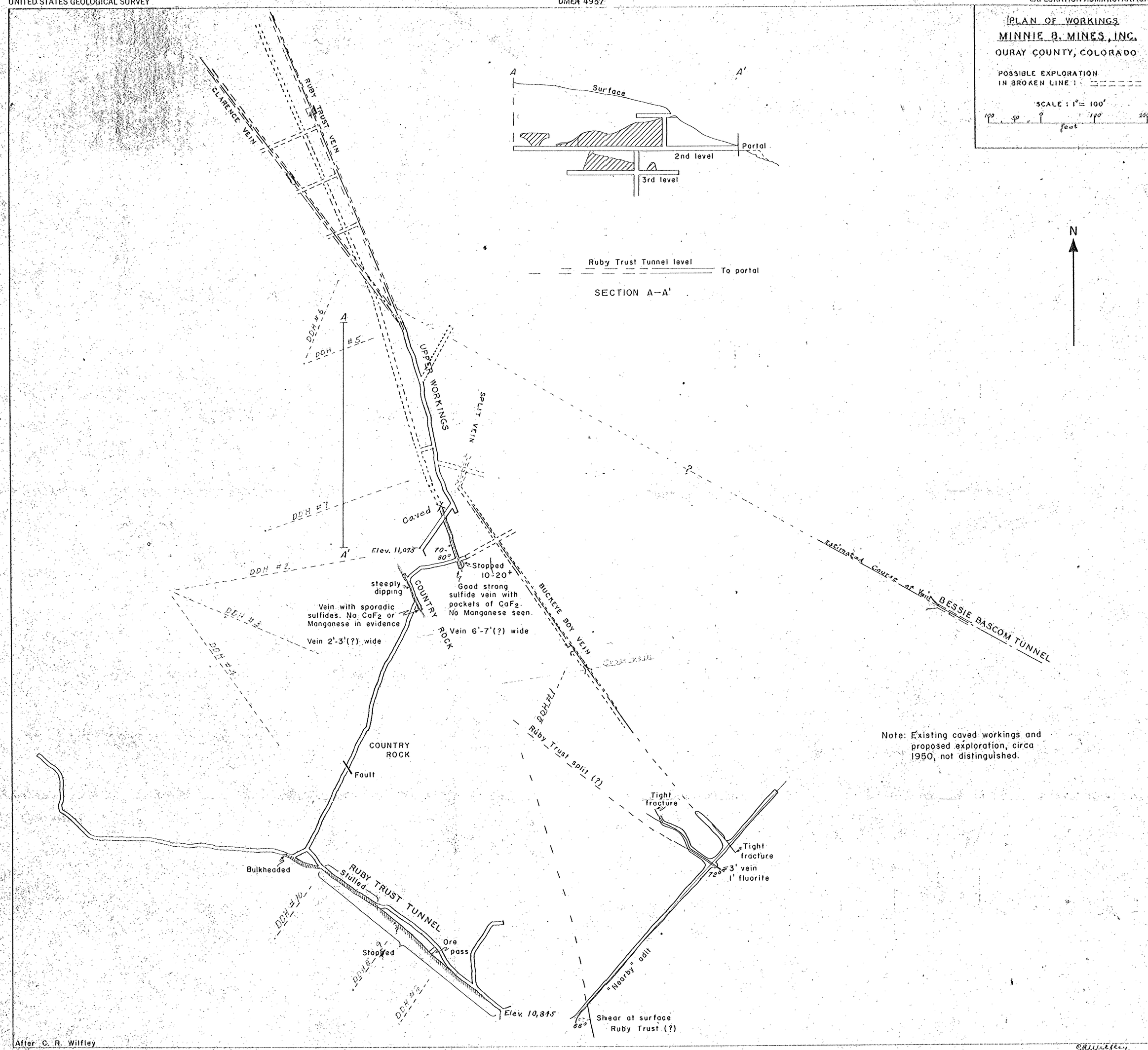

FIGURE 2—PLAN OF WORKINGS WITH PARTIAL SECTION, FRANCIS MINING TRACT, OURAY COUNTY, COLORADO