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

DEPARTMENT OF
Defense Minerals A
RECEIVED
SEP 23 1954

224 New Customhouse
Denver 2, Colorado

September 21, 1954

Box 57

Mr. M. W. MacKenzie
Anna C. Mining Company
Route 2, Box 383A
Boulder, Colorado

Re: Application for Government Assistance (Tungsten)
Anna C. Mining Company
Grand Island Mining District
Boulder County, Colorado

Dear Mr. MacKenzie:

This will acknowledge receipt of your application dated September 18, 1954, on the Anna C., Sunset, Hidden Treasure, and Gold Coin claims.

You have not answered question 3e of application Form MF-103. Please send us a signed statement (four copies) explaining any liens or encumberances which may exist against this property.

We have forwarded your application to our field office, where a field examination of your property will be scheduled. You will be notified prior to the date of the examination so your representative may be present at that time.

Yours very truly,

W H King

W. H. King
Executive Officer, DMEA
Field Team, Region IV

cc: Docket
Administrator DMEA
W.M.Traver
A.H.Koschmann
Chron.

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

MEMORANDUM

NOV 9 - 1954

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance to the amount of $7,278.00
Docket No. DMEA ~~3505~~ 3504 - Tungsten
Anna C. Mining Company, Route 2, Box 385, Boulder, Colo., M. W. Mackenzie, Boulder, Colo., and C. B. Scott, Rye, Colo.
Boulder County, Colorado

The denial of the subject application by Region IV is based on the following information:

1. The applicant requested exploration assistance to the amount of $7,278.00 to explore for Tungsten on the Anna C Mine, Boulder County, Colorado.

2. Holdings consist of Anna C and Gold Coin claims, U. S. Mineral Survey No. 183743, and the Sunset and Hidden Treasure claims, U. S. Mineral Survey No. 186250, in Sec. 11, T. 1S, R. 73W, 6th P.M.

3. The property has been worked through the Anna C and Sunset No. 2 shafts to a depth of 125 feet, with about 300 feet of drifting and crosscutting. Stoping was carried out down to the 125 foot level.

4. The rocks are pre-Cambrian schist intruded by irregular bodies of pegmatite and granite. There are three principal veins in shear zones which show irregular veinlets of ferberite on the hanging and footwalls.

5. No data are available on the actual production of the property, but it is estimated to be less than 1,000 units of WO_3.

6. The Field Team concluded that while some small ore zones might be found there is little possibility of making a significant discovery, and recommended that the application be denied.

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

400

SURNAME
DOCKET
Chapman
Martin

MEMORANDUM

NOV 9 - 1954

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance to the amount of $7,276.00
Docket No. DMEA ~~3505~~ 3504 - Tungsten
Anna C. Mining Company, Route 2, Box 385, Boulder, Colo.,
M. H. Machamsie, Boulder, Colo., and C. B. Scott, Eps, Colo.
Boulder County, Colorado

The denial of the subject application by Region IV is based on the following information:

1. The applicant requested exploration assistance to the amount of $7,276.00 to explore for Tungsten on the Anna C Mine, Boulder County, Colorado.

2. Holdings consist of Anna C and Gold Coin claims, U. S. Mineral Survey No. 18374A, and the Sunset and Hidden Treasure claims, U. S. Mineral Survey No. 18625B, in Sec. 11, T. 1s, R. 73W, 6th P.M.

3. The property has been worked through the Anna C and Sunset No. 2 shafts to a depth of 125 feet, with about 300 feet of drifting and crosscutting. Stoping was carried out down to the 125 foot level.

4. The rocks are pre-cambrian schist intruded by irregular bodies of pegmatite and granite. There are three principal veins in shear zones which show irregular veinlets of ferberite on the hanging and footwalls.

5. No data are available on the actual production of the property, but it is estimated to be less than 1,000 units of WO_3.

6. The Field Team concluded that while some small ore zones might be found there is little possibility of making a significant discovery, and recommended that the application be denied.

SIGNED

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

TLChapman:foc
11-8-54
cc: Docket
Adm. Read.
File
Operating Comm.
Code 400

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

224 New Customhouse
Denver 2, Colorado

October 18, 1954

Mr. M. W. MacKenzie
Anna C. Mining Company
Rt. 2, Box 383A
Boulder, Colorado

Re: Docket DMEA 3504

Dear Mr. MacKenzie:

Reference is made to your application for Government aid on the Anna C. Group.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing mineable reserves of tungsten is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

W H King
W. H. King
Field Team, Region IV

E. M. Harshman
for A. H. Koschmann
Field Team, Region IV

HMC:dm

cc: O. B. Scott
Rye, Colorado
Administrator
AHKoschmann
WMTraver
Subject
Chron

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

224 New Customhouse
Denver 2, Colorado

October 18, 1954

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination, DMEA Docket 3504 (Tungsten)
Anna C. Mining Co., Anna C. Group, Boulder County, Colorado

Enclosed are the original and three copies of the report of examination on the subject docket, two copies of Form 3b, and a copy of the letter of denial to the applicant.

Geologic evidence indicates that the proposed work would not result in the discovery of a significant amount of tungsten. It was therefore considered unnecessary to have the Bureau of Mines participate in the examination at this time.

W H King
W. H. King

for E. N. Hardman
A. H. Koschmann

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

October 12, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket ~~3505~~ 3504, Anna C Mining Company, Boulder County, Colorado

Enclosed are 9 copies of the geologic report by D. R. MacLaren of the U. S. Geological Survey covering the above docket.

The applicant proposes to explore for tungsten ore (ferberite) on the 125-foot level of the Sunset mine by 90 feet of crosscutting, and 118 feet of drifting on the Scott vein and a branch from it. Ferberite occurs along shear zones in pre-Cambrian schist, granite, and pegmatite. Ore is limited to narrow stringers or small pods along the footwall or hangingwall sides of the shear zones.

MacLaren concludes that the requested exploration program will not lead to the discovery of significant deposits of ferberite and therefore recommends denial of the application for exploration assistance.

I concur in this recommendation.

E. M. Hanshaw
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

ANNA C MINING COMPANY

BOULDER COUNTY, COLORADO

DMEA DOCKET ~~3505~~ 3504

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

ANNA C MINING COMPANY
BOULDER COUNTY, COLORADO

INTRODUCTION

The Anna C Mining Company, Route 2, Box 383, Boulder, Colorado, has applied for Defense Minerals Exploration Administration assistance to explore for tungsten ore (ferberite) in the Grand Island mining district, Boulder County, Colorado. The company, which is a partnership between M. W. MacKenzie of Boulder, Colorado, and O. B. Scott of Rye, Colorado, has control, through the ownership by Mr. Scott, of the Anna C and Gold Coin Lode claims (U. S. Mineral Survey No. 18374) and the Sunset and Hidden Treasure Lode claims (U. S. Mineral Survey No. 18625). The claims are in sec. 11, T. 1 S., R. 73 W., 6th P. M., and are about one and one-third air miles northwest of Nederland, Colorado.

The applicant proposes to crosscut north from the Sunset No. 2 shaft on the 125-foot level, to the Scott vein, a distance of 90 feet, to drift 60 feet on the Scott vein and 58 feet on a vein branching from the Scott to the Morrow vein. The applicant estimates the cost of this project will be $7,278 of which the Government's share will be $5,458.50.

An examination was made October 1, 1954, in company with M. W. MacKenzie. The Annie C shaft was flooded, but these workings were examined by H. T. Schassberger and are described in his report for DMEA Docket 2158. The Sunset No. 2 shaft was accessible and the working therefrom on the 65-foot level and the 125-foot level were examined and mapped. On the surface a trench 30 feet long, 5 to 8 feet wide, and 5 to 12 feet deep on the Scott vein was examined and a sketch was made showing the location of the trench with respect to other workings.

It is concluded that a small amount of tungsten ore might be found, but the chance of making a significant discovery is poor. Therefore it is recommended that the application be denied.

GEOLOGY

The rocks of the area are pre-Cambrian schist of the Idaho Springs formation, that have been intruded by irregular bodies of pegmatite and Boulder Creek granite. There are three principal veins on the property, the Anna C vein which strikes N. 50° E. and dips 60° to 70° E., the Scott vein which stirkes N. 50° E. and dips 74° to 80° SE, and the Morrow vein which strikes N. 75° E. and dips 80° SE (figure 1).

The Anna C vein has been stoped above the 115-foot level from the Anna C shaft and above the 65-foot level from the Sunset No. 2 shaft. No production figures are available, but according to Schassberger the total production from this vein has probably been less than one thousand units WO_3.

The Scott vein is exposed by a trench 30 feet long, 5 to 8 feet wide, and 5 to 12 feet deep. According to MacKenzie 760 pounds of ore averaging 54.6% WO_3 were hand sorted from 8 tons of rock from this trench, and were shipped to Industrial Supply Company in Boulder, Colorado.

A shaft, now caved but said to be 60 feet deep, is on the Morrow vein. There is no record of any workings or production from this shaft. From the small amount of dump material remaining around the collar of the shaft, it is doubtful that much drifting or any stoping was done.

The Anna C and the Scott veins are in shear zones up to 5 feet wide that consist of slightly silicified, barren, sheared wall rock. Some ferberite and horn quartz occur as streaks in the hangingwall and footwall of the shear zones. Only locally and in small amounts do they occur in the

central portion. In the workings from the Anna C shaft, according to Schassberger, the average width of ferberite in the footwall streak is about one inch, although widths up to four inches were observed. Ore deposition in the Anna C appears to have been controlled to some extent by the intersection (inferred) of the Anna C vein and the Morrow vein, and to some extent by the wall rock. In the Sunset No. 2 workings there is some evidence that ore deposition is controlled by the contact between the schist and the granite. The trench on the Scott vein exposes a few small lenses of horn quartz and ferberite in sheared granite.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that a small amount of ferberite ore has been found in the Anna C vein along schist-granite contacts and at vein intersections; that 16,000 pounds of rock from a trench on the Scott vein produced 414.9 pounds WO_3; that small amounts of ore may be found as a result of the proposed exploration, but that the chance of making a significant discovery is poor. Therefore it is recommended that this application be denied.

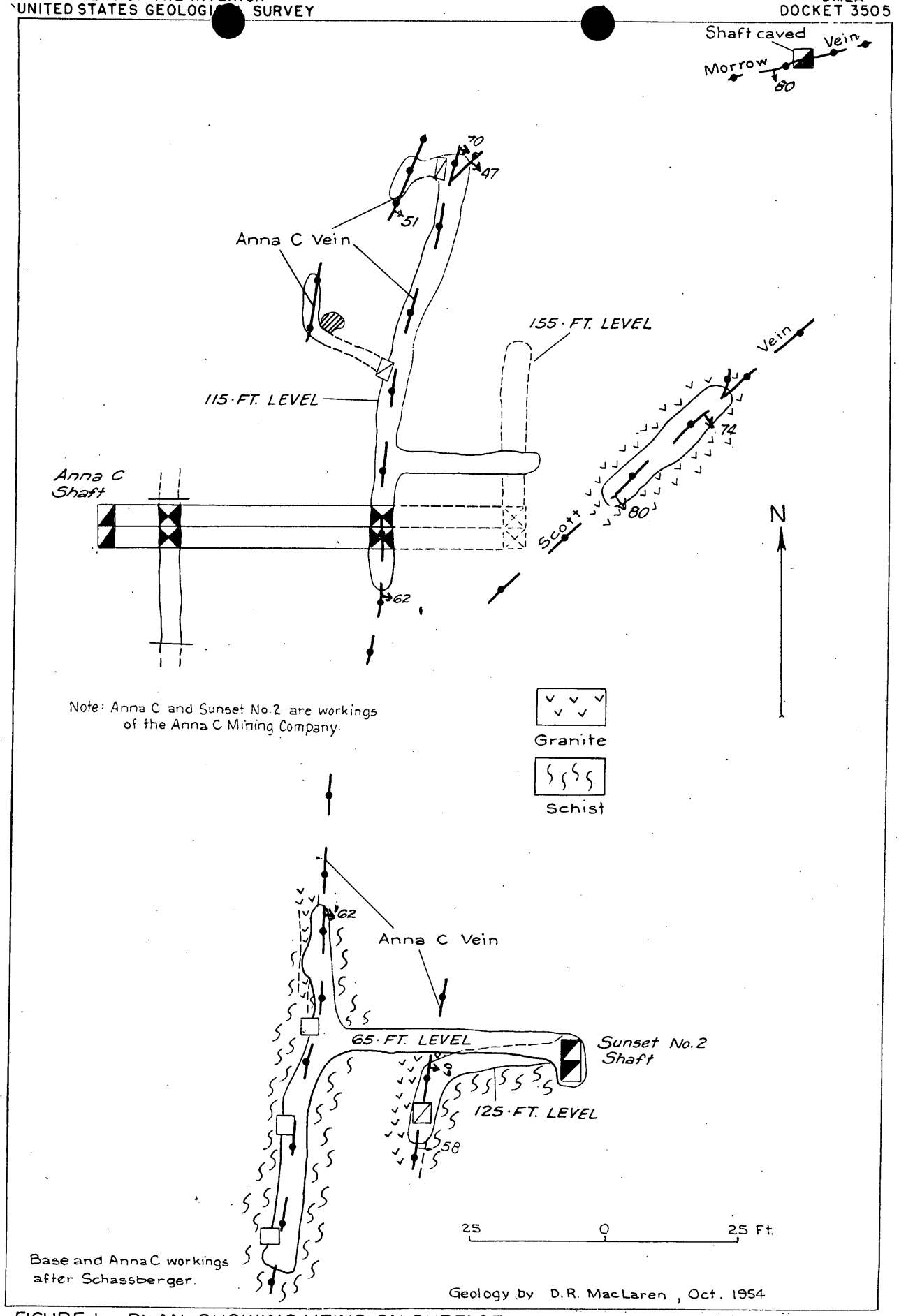

FIGURE 1 — PLAN SHOWING VEINS ON SURFACE, AND IN THE ANNA C AND SUNSET NO. 2 WORKINGS, BOULDER COUNTY, COLORADO.

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

Defense Minerals Administration
RECEIVED
OCT - 1 1954

224 New Customhouse
Denver 2, Colorado

September 28, 1954

DMEA 3504

Memorandum

To: Sec. to Op. Comm. DMEA
W. M. Traver
A. H. Koschmann

From: Executive Officer, DMEA Field Team, Region IV

Subject: Application for Government assistance (Tungsten), Anna C. Mining Company, Grand Island Mining District, Boulder County, Colorado

Enclosed is a statement from the applicant relative to the existance of any liens or encumberances against the subject property in answer of question 3c of Application Form MF-103.

This statement is to be included as part of Anna C. Mining Company's application.

W. H. King

W. H. King

Enclosure

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

Defense Minerals Exploration Administration
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OCT - 1 1954

224 New Customhouse
Denver 2, Colorado

September 28, 1954

Memorandum

To: Sec. to Op. Comm. DMEA
W. M. Traver
A. H. Koschmann

From: Executive Officer, DMEA Field Team, Region IV

Subject: Application for Government assistance (Tungsten), Anna C. Mining Company, Grand Island Mining District, Boulder County, Colorado

Enclosed is a statement from the applicant relative to the existance of any liens or encumberances against the subject property in answer of question 3c of Application Form MF-103.

This statement is to be included as part of Anna C. Mining Company's application.

W H King
W. H. King

Enclosure

RECEIVED
OCT - 1 1954

Re: Application for Government Assistance (Tungsten)
Anna C. Mining Company
Grand Island Mining District
Boulder County, Colorado

Question 3e of Application Form MF-103.

Answer: Land does not have any liens or encumbrances on it

Dated September 24th, 1954.

ANNA C. MINING CO.
By M. H. MacKenzie

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved,
Budget Bureau No. 42-R1085.2.

RECEIVED
SEP 27 1954

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

Not to be filled in by applicant

Docket No. 3504
Metal or Mineral TUNGSTEN
Date Received
Estimated Cost $7,278
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Anna C Mining Company, Rt2, Box 383A, Boulder Colorado.
(d) M.W.MacKenzie, Rt.2. Box 383A, Boulder, Colorado.
O.B.Scott, Rye Colorado.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract The property owned by O.B.Scott, consists of four mining claims, 150 ft. wide and 1500 ft. long, namely the Anna C # 18374; The Sunset # 18635; the Hidden Treasure # 18625; the Gold Coin # 18374 in the Grand Island Mining District.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner is O.B.Scott and I have entered partnership with him.

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

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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

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

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

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

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

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated Sept 18, 1954

Anna C. Mining Co.
(Applicant)

By M. H. MacKenzie

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

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

Anna C Mining Company,
Rt. 2, Box 383A, Boulder, Colo.

4. Physical description;
(a) The existing mine workings in Sunset mine consist of:
1. 4x8 vertical shaft 120 feet deep.
2. First level at 65 feet, with 40 foot cross cut to Anna C vein; 90 ft. drifting; one stope 50 ft. long to surface.
Second level at 125 ft., with 30 ft. cross cut; 20 ft. drifting.

All workings are accessible for examination now.

(b) The records on past production are not available.

The vein we plan to cross cut to has just been opened on surface and shows ore along the bottom of a 40 ft. open cut. There are also two additional veins showing ore leaving cut.

(c) The formation is mostly granite with small pegmatite and schist dikes. The ore occurs in fissure veins.

(d) Good access roads approximately one mile to Nederland, Colo., nearest shipping point.

(e) Manpower, materials and supplies available. Electrical power supplied by Public Service Company of Colorado.

5. The exploration project:
(A) Tungsten.

(b) The proposed work includes 90 ft. of cross cut on the 125 ft. level to Scott vein. 60 ft. of drifting on the Scott vein. 58 ft. of drifting on vein leaving cut to intersection Morrow vein.
(c) The work will be started within 7 days and be completed within 3 months from the date of an exploration project contract.

(d) I, M.W.MacKenzie, have better than 22 years experience in mining.

6. Estimate of costs:
(b) Labor:

One foreman	$2.25 per hour
One machine man	$1.75 per hour
One mucker	$ 1.65 per hour (or hoist man)

Foreman will take active part in labor.

Total labor costs for proposed exploration work: $4156.00

(c) OPerating materials and supplies:

Powder, 1 1/2 tons @ $430.00	$645.00
Fuse	80.00
Caps	18.00
Carbide bits,8 bits @ $16.50	132.00
Carbide	14.00
Track spikes	15.00
Electric power @$60 per month	180.00
Oil and grease	10.00
	$1094.00

(d)

Anna C Mining Company.

(d) Operating equipment:

Hoist)
Pump)---Rented
Hoist motor)

Owned:

1- Thor jack hammer (mounted)
1- Column and arm
1- Tram car
2- Mine buckets
50 ft. waterhose — 50 ft. air hose with oiler
240 ft.- one inch air line
1- Air compressor

Estimated use allowance on all equipment for 3 months @ $150 per month $450.00

To be purchased:

1--25 H.P. electric motor and starter	$460.00
200 ft. of 1 inch pipe	40.00
200 ft. of 1/2 inch pipe	28.00
400 ft. of rail	215.00
1-- 6 inch blower)	
1-- 3 H.P. electric motor)------	180.00
300 ft. of 6" vent line)	
	$923.00

(f) New buildings and improvements:

Construct ore house and screening plant-	$400.00
Covering present shaft house	— 45.00
	$445.00

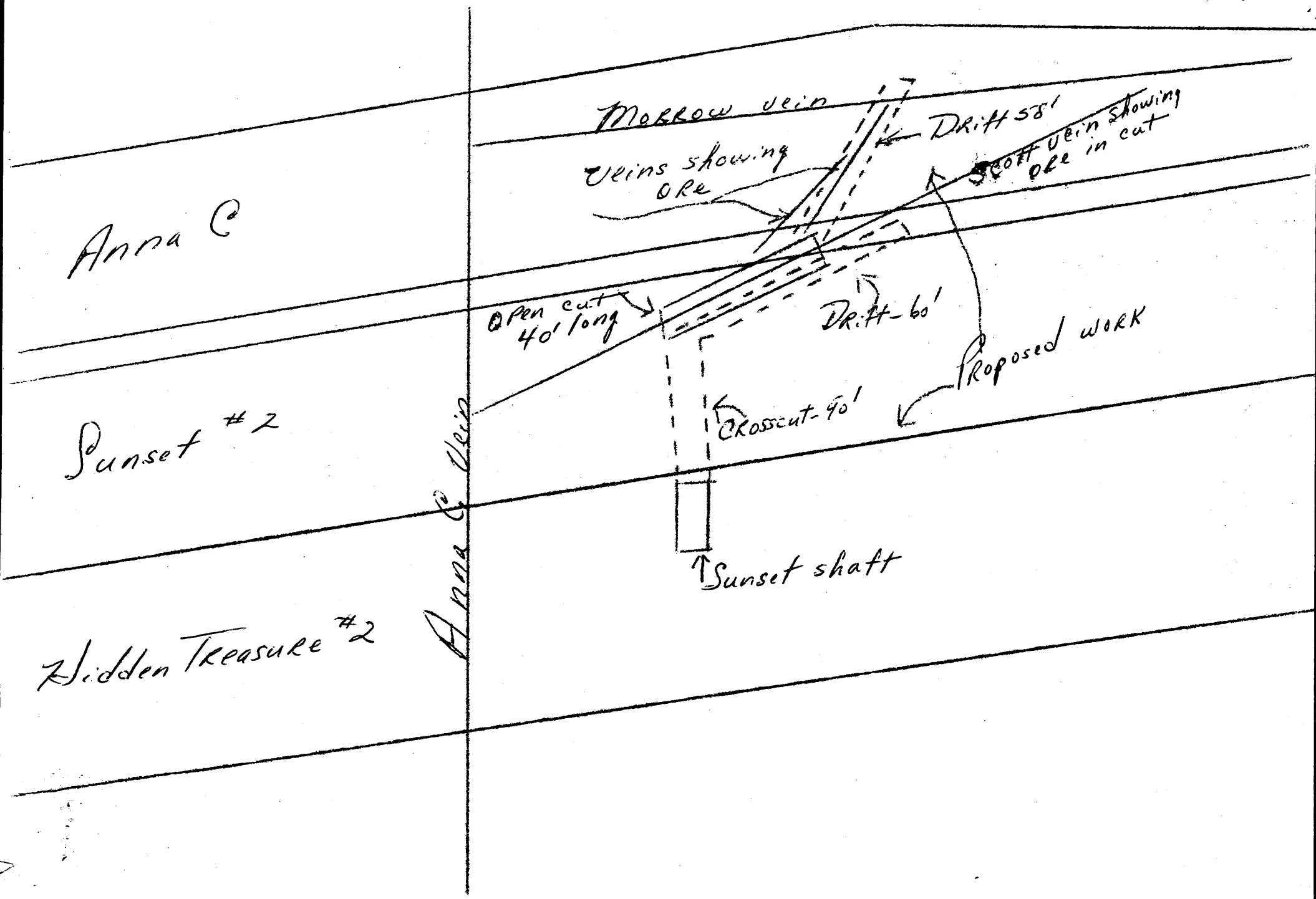
(g) Miscellaneous:

Eqipment repairs and maintenance	$75.00
Accounting	25.00
Compensation	110.00
	$210.00

TOTAL ESTIMATED COST OF PROPOSED EXPLORATION:

LABOR	$4,156.00
MATERIALS AND SUPPLIES	1,094.00
USE ALLOWANCE ON EQUIPMENT	450.00
EQUIPMENT TO BE PURCHASED	[illegible].00 ← 928.00
NEW BUILDINGS AND IMPROVEMENTS	445.00
EQUIPMENT REPAIRS AND MAINTENANCE	75.00
ACCOUNTING	25.00
COMPENSATION (WORKMANS)	110.00
	$7,278.00

7.
(b) We propose to furnish our share of the proposed project:
1. By the use of equipment owned.
2. Money.


Anna C
Sunset #2
Hidden Treasure #2
Anna C Vein
Morrow vein
Drift 58'
Veins showing ore
Scott vein showing ore in cut
Open cut 40' long
Drift 60'
Proposed work
Crosscut 90'
Sunset shaft

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
[illegible] NORTH DIVISION STREET
SPOKANE 2, WASHINGTON

OFFICIAL BUSINESS

3 CENTS 3 30 CENTS 30

SE 24 6 00PM

1954

Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.