DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3295

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This document has been recorded as

Exploration Assistance

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

1 cy USBM, USGS, & Reg.

Routing Slip

To:	600	Date	4/1/54
To:	Open Com	Date	6-30-54
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CONTROLLED DOCUMENT

DOCKET COPY
Surname:
Houk
Hedges
Newcomb
Selfridge

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

AUG 6 1954

Mr. Tom Cabaniss, Jr.
Route 5
Shelby, North Carolina

Re: Docket No. DMEA-3295
Quartz Crystal
Tom Cabaniss Property
Cleveland County, North Carolina

Dear Mr. Cabaniss:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

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

Careful study of all our information indicates to us that the probability of disclosing significant reserves of quartz crystal by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

LGHouk:gad 7/29/54
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

R.C.S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

August 5, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: L. G. Houk

1. DMEA Docket No. 3295 - Quartz Crystal
Property: Tom Cabaniss Property
Cleveland County, North Carolina

Applicant: Tom Cabaniss, Jr.
Route 5
Shelby, North Carolina

Application: Form MF-103, received March 15, 1954.
Work proposed: Excavation and/or stripping in an effort to determine whether vein of material exists.
Amount requested: Not given.
No contract: Application denied.

2. Comments: A few small crystals were sent to Squires Signal Laboratory and found to contain usable areas sufficient to justify a field examination.

Geological criteria upon which denial is based: No workings on property. An occasional crystal has been found in past several years in this cultivated area. Soil fragments indicate a pegmatite in immediate vicinity.

Future possibilities: No evidence of a sizable deposit in this area.

Recommendations:

The Nonmetallic Minerals Division concurs in field team's recommendation to deny the application.

The Geological Survey recommends that the application should be denied.

The Bureau of Mines concurs in the field team's recommendation of denial.

IN REPLY REFER TO:

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

August 2, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3295 (quartz crystals)

To: L. G. Houk, Defense Minerals Exploration Administration
From: E. L. Newcomb, U. S. Geological Survey
Applicant: Tom Cabaniss, Jr., Route 5, Shelby, North Carolina
Name of property: Tom Cabaniss Property
Location of property: 4 mi. SE. of Polkville, Cleveland County, N. C.
Date of Field Team report: July 24, 1954
Authorship of Field Team report: K. H. Teague, D. H. Amos, U.S.G.S.; L. E.Shirley, U.S.B.M.
Field Team's recommendation: Application should be denied.
Comments: A few quartz crystals have been found in cultivated fields. No workings or exposures on property. No evidence of a significant deposit of quartz crystals.
ACTION RECOMMENDED: Application should be denied.

E. L. Newcomb
E. L. Newcomb

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

2

July 30, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3295 (quartz crystal)

Applicant: Tom Cabaniss, Jr.

Name and Location of Property: Tom Cabaniss Property
Cleveland County, North Carolina

Date of Field Team Report: July 14, 1954

Date Rec'd. by Ceramic and Fertilizer Materials Branch: July 29, 1954

Field Team Recommendation:

Denial.

Comments:

Occasional quartz crystals have been found in a cultivated area of about three acres, but no data are presented to indicate that even these few crystals are radio-grade.

Recommendation:

I concur in the field team's recommendation of denial on the basis of lack of evidence, either of sufficient mineralization or of the quality of the quartz crystal.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

July 23, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Examination Reports by Field Team, Region VII

Transmitted herewith are 4 copies each of the field examination reports on:

DMEA-3295 - Tom Cabaniss Property (quartz crystals) Cleveland Co., N. C.

DMEA-3399 - Pitman Prospect (mica) Avery County, N.C.

The Field Team agrees with the examiners' conclusions and recommends denial of both prospects.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

Wm A Beck
Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
7-28-54
(date)

UNITED STATES

DEPARTMENT OF THE INTERIOR

EXAMINATION REPORT BY FIELD TEAM, REGION VII

DMEA-3295- TOM CABANISS PROPERTY
(Quartz Crystal)
Cleveland County, N. C.

BY

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey
and
L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

July 14, 1954

Reviewed by
DMEA OPERATING COMMITTEE

7-28-54
(date)

FIELD EXAMINATION REPORT
ON

DMEA-3295, TOM CABANISS PROPERTY
(Quartz Crystal)

Applicant: Tom Cabaniss, Jr. Route 5, Shelby, North Carolina

A few quartz crystals have been collected from cultivated fields on this property, but no worthwhile deposit is apparent. Exploration assistance should be denied.

The deposit was examined July 14, 1954. Mr. Cabaniss, Jr., accompanied the examiners on this inspection which required one hour.

The Tom Cabanniss property is on the southwest side of N. C. Highway 26; 4 1/3 airline miles S. 34° E. of Polkville, Cleveland County, North Carolina. Access is good at all times.

No workings are present on the property and no bed-rock is exposed. For several years occasional quartz crystals have been picked up from the soil in a cultivated area of about three acres extent. Also present in the soil are fragments of "burr-rock" pegmatite, pegmatite, vein quartz, and migmatite. Apparently the quartz crystals occur in association with some small pods and lenses of pegmatite.

There is no evidence to suggest that a worthwhile deposit of quartz crystals is present and no work is warranted.

July 14, 1954.

K. H. Teague, and D. H. Amos, Geologists
U. S. Geological Survey

L. E. Shirley, Mining Engineer
U. S. Bureau of Mines.

z

DOCKET FILE
Surname:
Houk
Selfridge
Kojenski

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

JUL 1 1954

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region VII
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Subject: Docket No. DMEA-3295
Quartz Crystal
Tom Cabaniss, Jr.
Tom Cabaniss Property
Cleveland County,
North Carolina

Dear Mr. Laurence:

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

Mr. D. M. Larrabee and Mr. W. F. Dietrich have been contacted by telephone and have concurred with the recommendation for a field team examination.

Copies of memoranda from the Geological Survey, dated April 2, 1954, and from the Bureau of Mines, dated April 7, 1954, are enclosed for your information, also a copy of evaluation by Squier Signal Laboratory.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Approved:

J. H. Hedges (JHB)
Member, Bureau of Mines

Philip W. Guild (JHB)
Member, Geological Survey

Enclosures 5

LGHouk:gad 6/28/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

P. S.
A copy of letter dated June 23, 1954 to Mr. Tom Cabaniss, Jr. from W. L. Doxey, Squier Signal Laboratory, concerning the testing of quartz crystal samples is enclosed.

R.C.b.

DOCKET FILE
Surname:

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

600

JUL 1 - 1954

Mr. Tom Cabaniss, Jr.
Route 5
Shelby, North Carolina

Re: Docket No. DMEA-3295
Quartz Crystal
Tom Cabaniss Property
Cleveland County, North Carolina

Dear Mr. Cabaniss:

Reference is made to our letters of April 6, and April 16, 1954, on your application for exploration assistance. We have received an evaluation of the quartz crystal by the Squier Signal Laboratory, Fort Monmouth, New Jersey. Please supply us with the cost data requested in our letter of April 6, 1954.

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

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

Sincerely yours,

C. O. Mittendorf

Administrator

LQHouk:gad 6/25/54
Copy to: Admr. R. File
Docket File
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

P.C.S.

WLD:EAG:JMS:WCR:cmr

SIGEL-SPC-4
Project No. 869A

Director
Squier Signal Laboratory
Fort Monmouth, New Jersey

Mr. Tom Gabiness, Jr.
R. F. D. No. 5
Shelby, N. C.

23 JUN 19

Dear Mr. Gabiness:

The three quartz crystals which you previously submitted for testing of the piezoelectric quality have been processed through initial testing and the obtained results are as follows.

Two crystals, each weighing two and one half ounces, contained no visible defects and yielded 20 blanks measuring 0.600 x 0.600 x 0.050 inches. This number is equivalent to 64 blanks per pound of quartz.

One crystal weighing three and one half ounces was electrically twinned in approximately one half of the volume. It is estimated that at least five blanks with the above mentioned measurements can be obtained from the good material.

Generally speaking, the initial testing has disclosed the quality of the material to be good. The number of blanks per pound from the two smaller crystals is commensurate with production figures in our shop from grade 1 quartz.

If, in the future, you should desire to have us test additional samples of quartz for you, please do not hesitate to contact us.

Very truly yours,

W. L. DAILY
Chief, Frequency Control Branch
Squier Signal Laboratory

cc: Mr. L. S. Houk, Room 4637, S. Interior Bldg., DMEA, Wash. 25, D.C.
Mr. W. F. Dietrich, Bu Mines, Ceramics & Fert. Materials Br., Wash., D.C.
Mr. H. M. Bannerman, U.S.Geological Survey, Wash., 25, D.C.
Mr. E. J. Rupert, Emergency Proc.Service, General Services Admin., 7th and D. Streets, S.W., Wash. 25, D.C.
Mr. F. R. Phelps, National Bureau of Standards, Wash. 25, D.C.

COPY FOR Mr. L. S. Houk

AM 20-32295

SIGEL-SFC-4
Project No. 869A

Director
Squier Signal Laboratory
Fort Monmouth, New Jersey

Mr. Tom Cabiness, Jr.
R.F.D. No. 5
Shelby, N. C.

11 MAY 1954

Dear Mr. Cabiness:

Thank you for your letter of 27 April 1954, referring to the three samples of quartz crystal sent to this Laboratory under separate cover to be tested for piezoelectric quality.

The quartz crystals have been given a visual examination and appear to be suitable for piezoelectric use. However, a complete examination to determine the quality of the material requires that the samples be cut. The process of cutting and testing will result in the destruction of the crystals.

Before such testing may be accomplished, it is necessary for you to complete and return the inclosed "Release from Obligation" form. As soon as the completed form is received by this Laboratory, the final testing will be accomplished.

In accordance with your request, the results of our testing will be forwarded to you and to Mr. Lawrence G. Houk, Non-metallic Minerals Division, DMEA, Washington 25, D. C. upon completion of testing and evaluation of the material.

Very truly yours,

1 Incl
"Release from Obligation"
form

W. L. DOXEY
Chief, Frequency Control Branch
Squier Signal Laboratory

cc: Mr. L. G. Houk, Room 4637, So. Interior Bldg., DMEA, Washington 25, D.C.
Mr. W. F. Dietrich, Bu Mines, Ceramic & Fert. Materials Br., Washington, D.C.
Dr. H. M. Bannerman, U.S. Geological Survey, Washington 25, D. C.
Mr. R. E. Rupert, Emergency Proc. Service, General Services Admin., 7th and D Streets, S.W., Washington 25, D. C.
Mr. F. P. Phelps, National Bureau of Standards, Washington 25, D. C.

COPY FOR Mr. L. G. Houk Rm 4637 So. Interior Bldg. DMEA Wash 25, DC

MAILED

11 MAY 9 23 AM '50

HQ. CORPS
ENGINEER RD LABS

C O P Y

R. F. D. #5, Shelby, N. C.
April 27, 1954

Mr. W. L. Doxey, Chief,
Frequency Control Branch
Squier Signal Laboratory
Ft. Monmouth, N. J.

DMEA Docket 3295

Dear Sir:

On April 9, 1954, at the suggestion of Mr. Lawrence G. Houk, Chief, Non-metallic Minerals Division, DMEA, Washington, I forwarded for your examination and report a sample (3 specimen) of Piezo Electric Quartz Crystal.

In the event you have made your examination and report, this is to request a copy of the report for my information, likewise furnishing Mr. Houk a copy of the report which is in connection with an application for Exploratory Loan in search of deposit of such minerals.

Yours very truly,

/s/ Tom Cabiness, Jr.

File Copy
Surname:
Lawrence G. Houk
Nonmetallic Div

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

APR 16 1954

Mr. Tom Cabaniss, Jr.
Route 5
Shelby, North Carolina

Re: Docket No. DMEA-3295 - Quartz Crystal
Tom Cabaniss Property
North Carolina

Dear Mr. Cabaniss:

Reference is made to your letter of April 9, 1954, and to the subject application for exploration assistance.

You may delay the preparation of the cost data until the results of the quartz testing are known.

Sincerely yours,

SIGNED
Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LGHouk:gad 4/15/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.S.

APR 12 1954

Mr. Lawrence G. Hault, Chief
Nonmetallic Minerals Division
Bureau Mines & Metals Ext. Act
Dept. of the Interior
Washington 25, D.C.

Dear Mr. Hault:

Re: Your File: DMEA 3295

As suggested in your letter of April 6, 1954, we are submitting average samples of the Ovarb to H. Monnecke for testing. The sample consists of five (5) separate pieces of material recovered as float material, inasmuch as a vein has never been

located, but for which the proposed loan was applied.

If possible, I would like to forego furnishing cost data on the project until the samples are tested, or until I could talk to a field Engineer as to the proposed work to be done. Majority of the work that would be done would be Excavations and/or Stripping in an effort to determine whether vein of subject material exists.

If, however, the information requested must be furnished

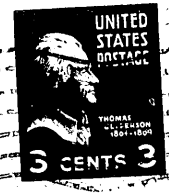
before the application is considered, please advise and some form of proposed schedule will be submitted.

Yours Sincerely

Tom Cabiness, Jr.

Tom Cabaniss Jr.
R-5
Shelby, N.C.

SHELBY, N.C.
APR 9
12-M
1954



Mr. Lawrence G. Hawk, Chief
Nonmetallic Minerals Division
Defense Minerals Expl. Adm.
Dept. of Interior
Washington 25, D.C.

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

April 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3295

Applicant: Tom Cabaniss, Jr.

Name and Location of Property: New Prospect, location unknown.

Date application rec'd. by Ceram. & Fert. Mats. Br.: April 1, 1954

Comments:

1. Many items are lacking in the application, including the location of the deposit, geological description, proposed plan of exploration, and breakdown of costs.

2. The Bureau of Mines does not have a record of any quartz crystal deposits in either North Carolina or South Carolina. It is doubtful if an exploration project would encounter any significant quantities of acceptable quartz crystal.

3. It is suggested the applicant be requested to submit a sample to be tested for its electrical properties. The applicant may wish to contact W. L. Doxey, Acting Chief, Frequency Control Branch, Squier Signal Laboratories, Fort Monmouth, New Jersey, supplying him with information on the crystal and request a "Release From Obligation" form. This agency is interested in cataloging known domestic deposits and will test samples of quartz crystal on request, free of charge.

Recommendation:

It is recommended that this application be denied, until such time as the applicant can furnish information showing that an exploration program on quartz crystal is justifiable.

W. F. Dietrich
W. F. Dietrich

File Copy
Surname:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

APR 6 1954

Mr. Tom Cabaniss, Jr.
Route 5
Shelby, North Carolina

Re: Docket No. DMEA-3295 - Quartz Crystal
Tom Cabaniss Property
North Carolina

Dear Mr. Cabaniss:

Reference is made to the subject application for exploration assistance and the omission of cost data and a proposed program of exploration.

Please note Article 6 of MF-103, a blank copy of which is enclosed, that it is a requisite part of your application to include detailed cost estimates for the required work. Kindly supply answers to Article 6, (a) to (f) inclusive, giving a detailed breakdown under each of the subheadings.

Please send representative samples of the quartz crystal from this deposit to Mr. W. L. Doxey, Chief, Frequency Control Branch, Squier Signal Laboratory, Fort Monmouth, New Jersey, for evaluation as to acceptability. Request Mr. Doxey to supply a copy of his findings to Lawrence G. Houk, Chief, Nonmetallic Minerals Division, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosure

LGHouk:gad 4/6/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Larrabee, G-232 GSA Bldg.
Mr. Dietrich, 3061
Mr. Houk

R.C.G.

IN REPLY REFER TO:

G-MD-CNM

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

Defense Minerals Administration
RECEIVED
APR - 2 1954

April 2, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3295 (quartz crystal)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant's name and address: Tom Cabaniss, Jr., Rt. 5, Shelby, N.C.
Name of property: No name.
Location of property: No location given.
Summary of applicant's proposal: None given.
Sources of information on applicant's property: Obviously none.
Comments: None.
RECOMMENDATION: Advise applicant that he has not given the required information. There is absolutely no use in referring this to a Field Team without more to go one. It would be a waste of their time.

D. M. Larrabee

D. M. Larrabee

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

April 1, 1954
Subject: DMEA-3295
Re: Exploration Assistance

Mr. Tom Cabaniss
Rt. 5
Shelby, North Carolina

Dear Sir:

The receipt of your application dated March 12, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3295 and referred to the Non-Metallic Minerals Division.

Kindly refer to DMEA-3295 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operations Control
and Statistics Division

NOTE: Only four copies of the application form MF-103 are required by this office. Your fifth copy is herewith returned.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Received 15 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. 3295
Metal or Mineral Quartz-Crystal
Date Received
Estimated Cost
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: Tom Cabaniss, Jr.
Rt. 5, Shelby, N.C.

(*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 Tom Cabaniss land

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

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

(*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 Deed of Trust, $2,000.00 Federal Land Bank, Columbia, S. C.

(*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. no previous mineral operation

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None produced

(*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 Plaza - Eldorado Corporation Quartz

(*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 30 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☑ Use of equipment owned by you ☑ Other and personal labor

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 March 1, 1964

Tom Cabana
(Applicant)

By

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

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

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of North CAROLINA, County of Cleveland, described as follows:1/

Known As Tom Cabiness property

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Tom Cabiness

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 17th day of March, 195 4.

Tom Cabaness [Seal]

_____ [Seal]

_____ [Seal]

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

2/ Insert the name of the Operator as it will appear in the exploration project contract.

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

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of North Carolina, County of Cleveland, described as follows:1/

Known As Tom Cabiness property

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Tom Cabiness

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 12th day of March, 195 4.

Tom Cabaniss [Seal]

_____ [Seal]

_____ [Seal]

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

2/ Insert the name of the Operator as it will appear in the exploration project contract.

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

4/ Insert the maximum amount of the Government's contribution.

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

MF-203

OWNER'S CONSENT TO LIEN

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Known as Tom Cabiness property

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Tom Cabiness

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

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3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 12th day of March, 195 1.

Tom Cabaniss [Seal]

_____ [Seal]

_____ [Seal]

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

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RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

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(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

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MF-203

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2/ Tom Cabiness

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Dated this 12th day of March, 195 74

Tom Cabaniss [Seal]

_____ [Seal]

_____ [Seal]

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

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MF-203

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Dated this 12th day of march, 195 4.

Tom Cabaniss [Seal]

_____ [Seal]

_____ [Seal]

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

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