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

224 New Customhouse
Denver 2, Colorado

May 16, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration - Attention: Code 210

From: Field Team, Region IV

Subject: Final Report, [illegible] Project 1933, (Uranium) Glen Aust and [illegible] Mears, Lake Springs Area, San Juan County, Utah

Enclosed are the original and three copies of the final report on DMA-1933, the original and one copy of DMA Form 3b and a copy of the letter of denial to the applicant.

J. H. East, Jr.

A. H. Koschmann

Enclosures

cc: SRWilson w/copy of final report
RRoberts w/copy of final report
AHKoschmann w/copy of final report
R.P.Fischer w/copy of final report(AEC)
T.W.Oster w/copy of final report (AEC)
Mining Div. w/copy of final report
DMA Final Report

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

May 9, 1952

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1933, Glen Rust and M. M. Sears, uranium property, Cane Springs Area, San Juan County, Utah

Enclosed are eleven copies of the geologic report by J. W. Hasler and B. J. Sharp of the U. S. Geological Survey covering the above docket. It has been recommended that the loan be denied.

The brochure is enclosed.

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

Enclosures (12)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 208, 222 So. West Temple
Salt Lake City 1, Utah
6 May 1952

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: Ralph J. Roberts

Subject: Docket DMA 1933, Glen Rust and M. M. Sears, uranium property, Cane Springs Area, San Juan Co., Utah.

Enclosed are eleven copies of a geological report of the Glen Rust and M. M. Sears uranium property, Cane Springs area, San Juan County, Utah, DMA Docket 1933.

In response to a request from the Field Team, Region IV, J. W. Hasler and B. J. Sharp visited the property March 26-27, 1952 to determine the merit of the proposed program.

The applicants have produced approximately 100 tons of uranium-vanadium ore averaging 0.31 percent U_3O_8 and 2.25 percent V_2O_5. Uranium bearing rocks in the Cane Springs area, San Juan County, Utah are found in the upper part of the Salt Wash member of the Morrison formation of Jurassic age. The uranium occurs in extremely erratic sandstone lenses, and as replacement bodies in silicified logs and carboniferous material. Only ores that contain visible uranium minerals or were highly radioactive have been explored by the applicants. All easily accessible ore has been mined.

The possibility of finding commercial bodies of uranium ore by crosscutting or diamond drilling is not good because of the extremely erratic distribution of the deposits. The cost of discovery of ore bodies is likely to be more than the value of the ore. It is therefore recommended that the application for a loan of $18,000.00 be denied.

I concur with the conclusions and recommendations of the examining geologists that the possibility of finding uranium ore bodies of commercial grade on the Rust and Sears property is not good, and that the loan be denied.

Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA 1933, Glen Rust and M. M. Sears, uranium property, Cane Springs Area, San Juan Co., Utah

J. W. Hasler and B. J. Sharp, Geologists
U. S. Geological Survey

May 5, 1952

CONTENTS

Introduction	1
Location and Accessibility	1
History and Production	1
Geology	2
Ore Deposits	3
Ore Reserves	3
Proposed Exploration	4
Summary and Conclusions	5

ILLUSTRATIONS

Figure 1. Index map of Utah.

Figure 2. Map of Glen Rust and M. M. Sears uranium property showing claims and proposed exploration work.

Docket DMA 1933, Glen Rust and M. M. Sears, uranium property

Cane Springs Area, San Juan Co., Utah

INTRODUCTION

Glen Rust and M. M. Sears of Cortez, Colorado have made an application to the Defense Minerals Exploration Administration for a loan of $18,000.00 to explore for uranium on their property.

In a response to a request from the Field Team, Region IV, dated June 18, 1952, J. W. Hasler and B. J. Sharp of the U. S. Geological Survey visited the property March 26-27, 1952, to determine the merit of the proposed exploration program.

Location and Accessibility

The Glen Rust and M. M. Sears uranium property is located in the Cane Springs area, San Juan County, Utah (fig. 1), in the W 1/2 of the NW 1/4 of School Sec. 16, T. 28 S., R. 23 E., S.L.B. and M. The mine can be reached by driving 22 miles south from Moab, Utah on U. S. Highway No. 160, thence 7 miles northeast on a poor dirt road.

History and Production

The operators, Mr. Glen Rust and Mr. M. M. Sears, leased the W 1/2, N 1/4 of School Sec. 16, T. 28 S., R. 23 E., S.L.B. and M., Cane Springs area, San Juan Co., Utah in 1951 to explore for uranium and vanadium ores. They began production of vanadium and uranium ore from the property in June 1951. Ore sold from June through November is reported to total about 45 tons assaying 0.04 to 1.98 percent U_3O_8 and from 0.96 to 4.98 percent percent V_2O_5. This ore has an average gross value of about $35.00 a ton.

GEOLOGY

The area is underlain by sedimentary rocks of Jurassic and Cretaceous age. The uranium-vanadium deposits are in sandstone beds in the lower part of the Morrison formation of Jurassic age.

In the Cane Springs area southeast of Moab, Utah, the Morrison formation consists of two members; the basal Salt Wash sandstone, which lies with apparent conformity upon the Summerville formation, and the Brushy Basin shale member, which lies conformably upon the Salt Wash sandstone member.

The mine workings and prospects are mainly in the Salt Wash member as stated by Baker [1].

---

[1] Baker, A. A., Geology and Oil Possibilities of the Moab District, Grand and San Juan Counties, Utah: U. S. Geol. Survey Bull. 841, pp. 52-53, 1933.

"This member consists of white conglomeratic sandstone interbedded with red sandy mudstones and red shale. The white sandstones are medium to coarse grained, cross-bedded in part, irregularly bedded, and composed of rounded quartz grains cemented with calcium carbonate. The pebbles in the conglomerate zone are varicolored chert. In places silicified logs are embedded in the massive sandstones. The sandstones are locally impregnated with vanadium minerals and the yellow uranium mineral carnotite.

"The upper part of the Morrison formation is largely shale variegated in red and greenish-gray tones. Interbedded with the shale and subordinate in amount are gray silicified sandstone and conglomerate. The conglomerate consists of varicolored chert pebbles in a matrix of silicified white sandstone. The beds in the mine area strike northwest and dip gently to the southeast."

ORE DEPOSITS

The uranium in the Moab area and the Cane Springs district is localized in sandstone lenses, and in replaced tree trunks in the Salt Wash member of the Morrison formation of Jurassic age. The chief ore minerals of the productive mines are carnotite, vanoxite, and roscoelite.

The principal uranium ore bearing unit in the Cane Springs district is in the upper part of the Salt Wash member of the Morrison formation. The ore occurs in sandstone lenses and northwestward trending rolls and as replacement of silicified logs and carbonaceous material.

The ore bodies at the Rust and Sears property are extremely erratically distributed and form irregularly tabular masses that lie essentially parallel to the sandstone beds. The uranium ore bodies at the Rust and Sears property have no particular trend. None of the northwestward trending rolls which are productive in nearby areas in the Salt Wash member of the Morrison formation were at Rust and Sears property.

ORE RESERVES

Production from the Rust and Sears property has come from sandstone lenses as much as 18 inches thick, from carbonaceous material, and from silicified logs that have been replaced by uranium and vanadium minerals. The ore-bearing sandstone lenses, carbonaceous material, and silicified logs are erratically distributed throughout the Salt Wash member and consequently it is difficult to predict where they may be found. It is therefore impossible to calculate the ore reserves that may be present on the property. To date, the applicant has mined about 100 tons from about 150 feet of workings.

If it is assumed that ore bodies of comparable size and trend may be found in the remaining area, 200 tons may be available in the blocks shown in figure 2.

Only areas that contain visible uranium minerals or were highly radioactive have been explored by the applicants. All the easily accessible ore has been mined. Future operations will be largely underground and will be much more costly than in the past.

PROPOSED EXPLORATION

The applicant has proposed to crosscut 400 feet to test for possible uranium bearing sandstone lenses, silicified longs or carbonaceous material, and to diamond core drill three separate areas shown in figure 2.

The possibility of finding commercial bodies of uranium ore by crosscutting or drilling in the area shown in figure 2 is not good because of the extremely erratic distribution of the deposits. The cost of the discovery of ore bodies is likely to be more than the value of the ore.

The Atomic Energy Commission does not anticipate the discovery of commercial ore in the area, but is interested in the possibilities for discovering large tonnages of submarginal ore. The geologists of the Atomic Energy Commission stated that they might do some drilling on the Rust and Sears property to test the trend and grade of ore bodies, but recommended that it would not be advisable for the DMEA to enter into a contract with the applicant. The applicant should not be informed that the Atomic Energy Commission might drill the property, as specific plans are still tentative.

SUMMARY AND CONCLUSIONS

In response to a request from the Field Team, Region IV, dated June 18, 1952, J. W. Hasler and B. J. Sharp of the U. S. Geological Survey visited the Glen Rust and M. M. Sears uranium property, Cane Springs area, San Juan County, Utah, with reference to a Defense Minerals Exploration Administration application for the exploration of uranium.

The Rust and Sears mine area is underlain by sedimentary rocks of Jurassic and Cretaceous age. The uranium-vanadium deposits are in sandstone beds in the lower part of the Morrison formation of Jurassic age. The uranium-vanadium deposits occur in sandstone lenses, silicified logs, and carbonaceous material which are erratically distributed throughout the rocks.

The Rust and Sears property has produced about 100 tons of uranium-vanadium ore averaging 0.31 percent U_3O_8 and 2.25 percent V_2O_5. If it is assumed that ore bodies of comparable size and grade may be found in the remaining area, 200 tons, valued at about $7,000, may be available.

All easily accessible ore has been mined out, and future operations will be largely underground which will prove more costly than in the past. Because of the extremely erratic distribution of the ore bodies, the cost of the discovery of additional ore bodies is likely to be more than the value of the ore. It is therefore concluded that the possibility of finding uranium ore reserves of commercial grade on the Rust and Sears property in any quantity, at a reasonable cost, is not good. It is therefore recommended that the application for a loan of $18,000 be denied.

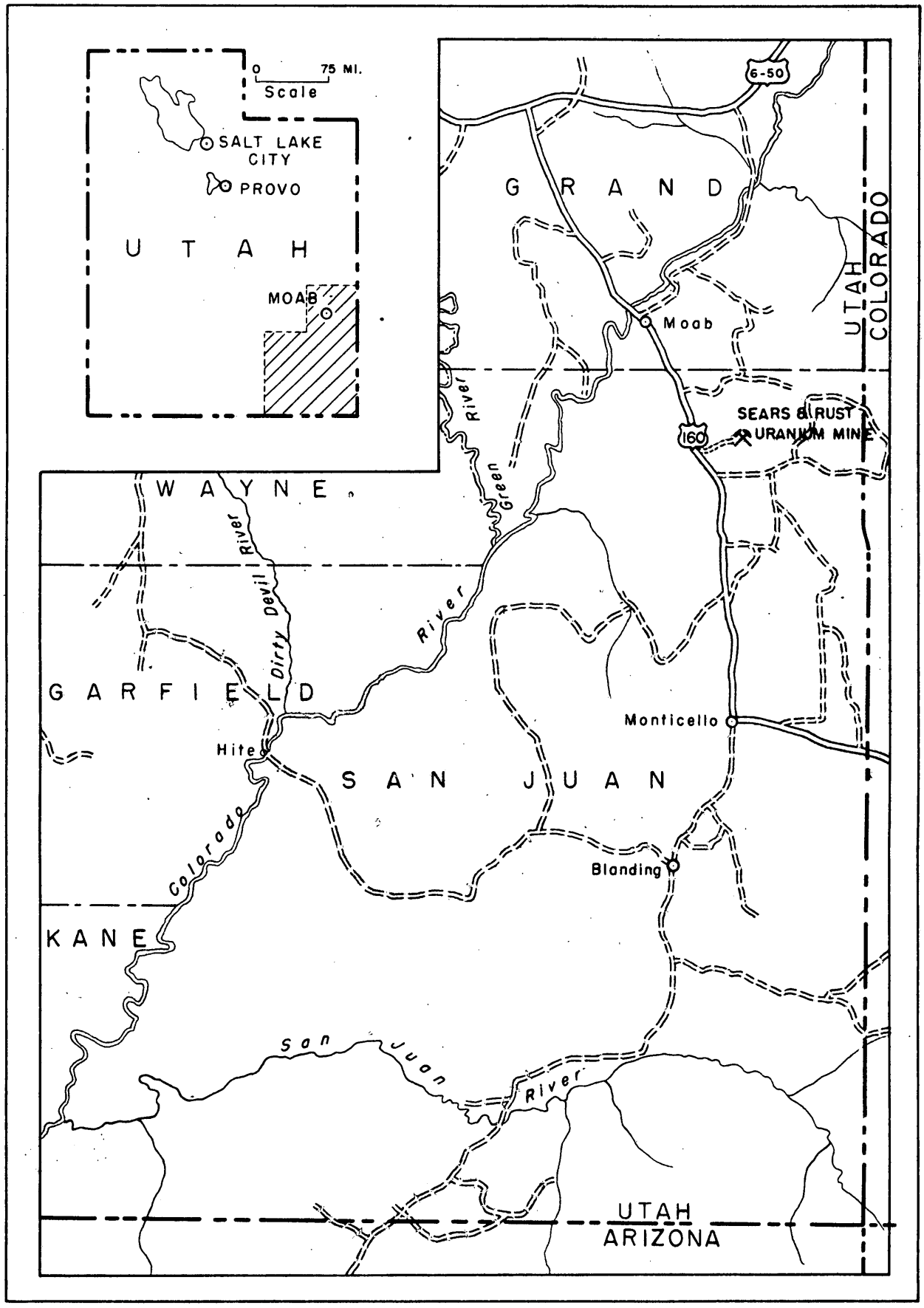

FIG. I INDEX MAP OF UTAH

0 5 10 15 20 MILES
Scale

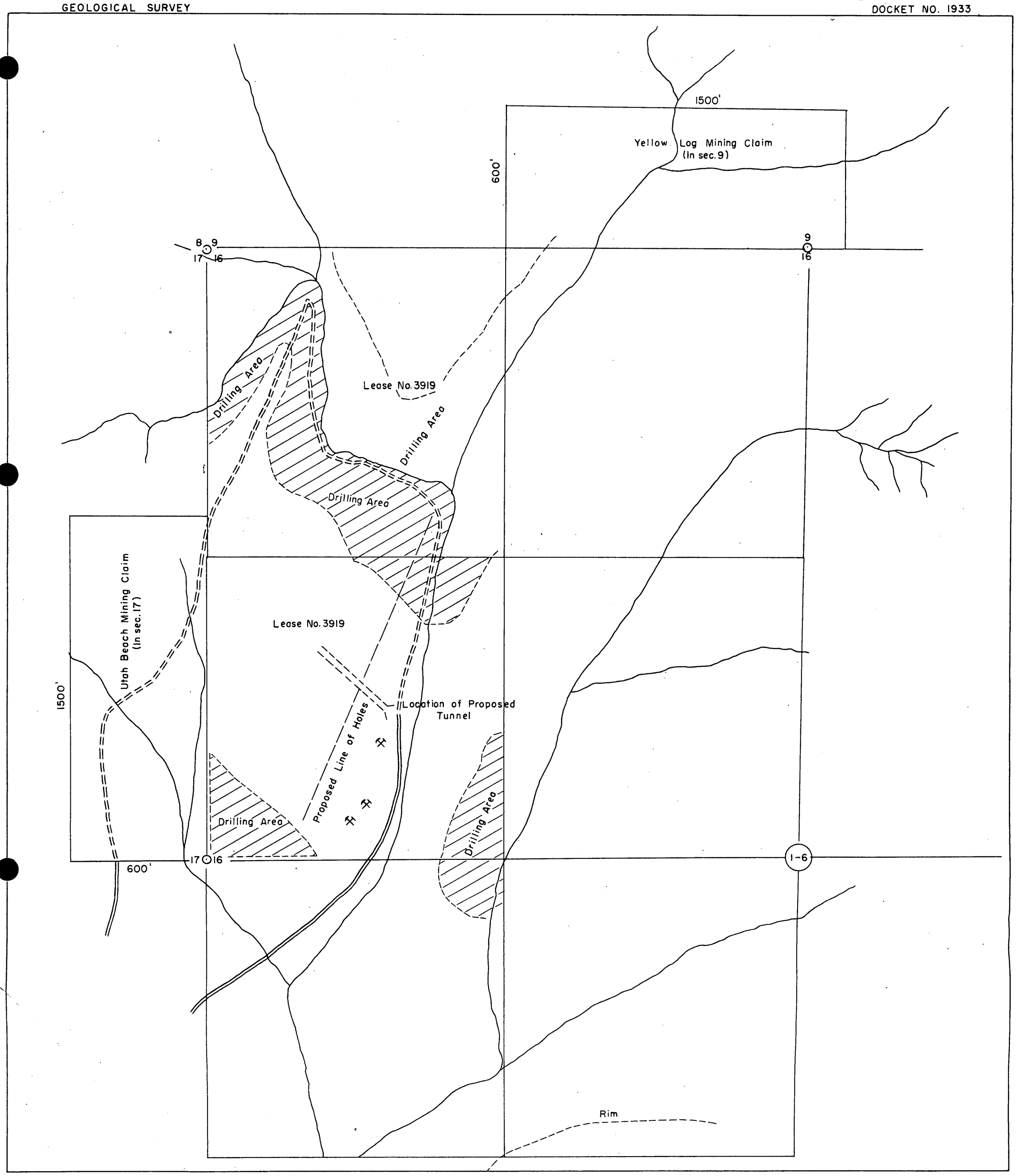

FIG. 2

RUST AND SEARS (URANIUM) RROPERTY

MOAB MINING DISTRICT

SAN JUAN COUNTY, UTAH

0 400 800 FEET
Scale

[illegible] Day Construction
Denver 2, Colorado

[illegible] 26, [illegible]

[illegible]

To: Acting Administrator, Defense Minerals Exploration Administration - Attention: [illegible]

From: Field Team, Region IV

Subject: Final Report, [illegible] Docket [illegible], (Premium) Con Ant and D. D. Corp., Cane Springs Area, San Juan County, Utah

Enclosed are the original and three copies of the final report on [illegible]-[illegible], the original and one copy of [illegible] Form 3b and a copy of the letter of denial to the applicant.

J. H. Ernst, Jr.

A. H. Koschmann

[illegible]

cc: [illegible]ilson w/copy of final report
[illegible]oberts w/copy of final report
A[illegible]Koschmann w/copy of final report
B.P.Fischer w/copy of final report([illegible])
[illegible].Oster w/copy of final report ([illegible])
Mining Div. w/copy of final report
[illegible] Final Report

HMC:oc

cc: Subject, Chron.
Koschmann (2)

224 New Customhouse
Denver 2, Colorado

May 16, 1952

Mr. Glen Rust
Mr. M. M. Sears
Cortez, Colorado

Dear Sirs:

Reference is made to your application for Government aid on your uranium property located in the Cane Springs Area, DMA-1933, in the amount of $18,000.

Projects approved by the Defense Minerals Exploration Administration must, in its judgement, 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 by your proposed exploration program 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,

J. H. East, Jr.

J. H. East, Jr.
Executive Officer
Field Team, Region IV

HMC

HMC:oc
cc: Acting Administrator (Attn. Code 210)
SRWilson
Subject
Chron.
Koschmann (2)

DMA Form 3b.

DEFENSE MINERALS ADMINISTRATION

CONTROLLED DOCUMENT
Revised Abstract

DMA Docket No. 1933

Change: From		To	
I 1	☐	I 1	☐
I 2	☐	I 2	☐
I 3	☒	I 3	☐
I 4	☐	I 4	☐
I 5	☐	I 5	☐
I 6	☐	I 6	☐
III 1	☐	III 1	☐
III 2	☐	III 2	☒ 5-13-52
III 3	☐	III 3	☐
III 4	☒	III 4	☐

Add:

II 7 $ 18,000

II 8 $ None

II 8a % _____

Initials of person preparing sheet H.M.C.

Date sheet prepared 5-13-52

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA-1933

Date received

Glen Rust & M.M.Sears
Cortez, Colorado.

Name and address of applicant

Date

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
"D" Ellen Rust Cortez, Colo.		gross $16,000.00	$20,000.00	none	none	$4000.00	
M. M. Leon Cortez, Colo.							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	none	none			none
2. Quantity of product processed (specify unit of measure and type of process)	none	none			none
3. Quantity and grade of product sold or shipped (specify units of measure)	none	none			none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

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

1.(a) Uranium.

(b) Vanadium.

2. N ame, Longhole. Pits.

(a) none

(b) none

(c) none

(d) none

Mine is not flooded.

Productive capacity will depend on the size of ore body discovered.

3. (a) 40 miles South to Monticello, Utah.

(b) Cane Springs Area.

(c) T28- Sec.16-R23 E of SLBM.

(d) San Juan County, Utah.

4. (a) yes. Operated by Glen Rust, Cortez, Colo.and M.M.Sears,Cortez,Colo.

(b)Lessee.

5.Three months.

6.(a) Applicant's, Glen Rust, trucking business for twenty years. Connected with uranium and vanadium for ten years.
M.M.Sears, mining for twenty years.
(b) Glen Rust.

7.(a) Tunneled and drilled.
Mined ore assaying from .04 to 1.98 in uranium and .96 to 4.98in vanadium.
Operations have not been suspended.

(b) Prince Albert joins on west side producing since 1915.

(c) Settlement sheets from sales of ore from June through Nov. running from .04 to 1.98 in uranium and .96 to 4.98 in vanadium.

11. We contemplate a big change in production if we can finance production. Cannot estimate maximum production and basic change until exploration is completed.

12. (a) Uranium and Vanidum in small deposits. No available report on geology and ore reserves until exploration project is completed.

(b) (1) none

(2) none

(c) does not apply to us.

13. Dirt and Blacktop

14.Spring. Quantity,plenty. Yes.

15. Gasoline.

16. None

17. Buildings, none.
Compressor
Coredrill
Four trucks
All small mining tools.

18.No

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company)

By Glen Rust
(Signature of authorized official)

Jan 2 1957
(Date)

Lessee
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

OFFICE OF THE ADMINISTRATOR

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

224 New Customhouse
Denver 2, Colorado

U. S. GEOLOGICAL SURVEY
RECEIVED
JAN 17 1952
MINERAL DEPOSITS BRANCH

January 11, 1952

Memorandum

To: S. R. Wilson

(Through Acting Chief, Mining Division, Region IV)

Ralph Roberts (with brochure)

From: Field Team, Region IV

Subject: Docket DMA-1933, Glen Rust and M. M. Sears, Cortez, Colorado (Uranium Property) San Juan County, Utah

Enclosed herewith is the subject application for Government assistance in exploration work estimated to cost $18,000.00.

The field examination should include clarification of details essential for the preparation of a contract if the examination indicates that the application might be approved.

A photostat copy of the Lease has been retained in this office.

W. H. King

W. H. King for
J. H. East, Jr.

A. H. Koschmann

A. H. Koschmann

Enclosures

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMA-1933
Metal or Mineral
Date Received
Amount $
Participation (Government %)

Name and address of applicant

Glen Rust & M.M.Sears.
Cortez, Colorado.

Date

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) 1933

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

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

(Name of company)	By Glen Prest (Signature of authorized official)
Jan 3 1952 (Date)	Lessee (Title)

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—64067-2

1.(a) W½, NW¼, Sec.16 T28 R23, E of SLBM.

(b) Am enclosing a copy of lease.

(c) Same as (a) above.

2.(a) Uran ium

(b) We have already found small deposits of comerical ore. Geologic features are almost impossible f or me to explain unless to a fieldman.

3.

(a) Tunnel 400 ft. 7 by 7 as shone on map.
Drilling as shone on map.

(b) Ten days to start tunnel. Sixty days to finish.
Start drilling as soon as weather permits in spring.
Six months to finish.

5. None

6. 1.0210

7.

(a) Wagonhammer.

(b) Wagon hammer, if not rented.

(c) Compressor and mine equipment $2000.00

Coredrill 1500.00

Truck 2000.00

$1.00 per hr. for each $1000.00 of value.

8 .

2 miners $1.75 per hr. or machine men to core drill or run wagonhammer.
2muckers 1.50 " "
1 supervisor and bookkeeper.$1.75 per hr.
1 engineer $500.00 more or less on all of project.

9. Materials $500.00 more or less.
Supplies----none.
Engineering--$500.00 more or less.
Assaying----$4.00 per sample of ore, depends on discovery.
Accounting----Supervisor and bookkeeper.
Power, water, utilities------none.

10. (a) $1800.00

(b) Yes.

6-303
(March 1947)

cc: W. H. King

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Date Rec'd. MAY 5 - 1952
BUREAU OF MINES
Denver, Colorado

No. 3

Report to Mr. S. R. Wilson

Chemical Laboratory Report

Date received April 30, 1952

Date reported May 2, 1952

Serial No.	DESCRIPTION	Lot No.	U_3O_8	V_2O_5
2985	Rust and Sears, DMA-1933, San Juan County, Utah	No. 1 tunnel	0.092	0.89
2986	do	No. 2 specimen	2.25	4.5

W.H.K.
S
T
D

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed H. F. Peterson

224 New Customhouse
Denver 2, Colorado

January 11, 1952

Memorandum

To: S. R. Wilson

(Through Acting Chief, Mining Division, Region IV)

Ralph Roberts (with brochure)

From: Field Team, Region IV

Subject: Docket DMA-1933, Glen Rust and M. M. Sears, Cortez, Colorado (Uranium Property) San Juan County, Utah

Enclosed herewith is the subject application for Government assistance in exploration work estimated to cost $18,000.00.

The field examination should include clarification of details essential for the preparation of a contract if the examination indicates that the application might be approved.

A photostat copy of the Lease has been retained in this office.

W. H. K.
W. H. King for
J. H. East, Jr.

A. H. Koschmann
A. H. Koschmann

Enclosures

JWT:oe
cc: DMA Subject, Contract, Chron.
Koschmann

August 22, 1951

Mr. Glen Rust
Cortez, Colorado

Dear Mr. Rust:

Re: DMA Docket 1933

Your application for a loan of $18,000 to explore for uranium in the Gano Springs Area, San Juan County, Utah, has been forwarded to this office from Washington. Form MF-103 should be filled in completely and we suggest that you send this office four copies of a complete set of replies to the questions.

The answer to question 9 should be 10 percent of the total amount, or $1,800.00. Your labor and depreciation on any equipment used on the project are allowable costs and will be considered as part of your contribution to the project.

You should submit a concrete proposal stating the work to be done, (question 21) such as a certain number of feet of sinking, drifting, crosscutting or core drilling. Four copies of maps showing the proposed work should be submitted.

It is important that question 23 be answered in detail. List the classifications of employees, their daily wage, and the estimated total wages. Also list each item of equipment to be rented, or purchased, the monthly and total rental or purchase price.

If you have to build a road to the mine, we will be glad to send you the necessary application forms for an access road.

No action can be taken on your application until the above information is received. When replying, please refer to Docket 1933.

Yours very truly,

J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV

ld
cc: Kaschmann, DMA

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

REGIONAL DIRECTOR'S OFFICE
REGION IV
AUG 20 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. Glen Rust
Cortez
Colorado

AUG 17 1951

Re: Uranium
DMA-1933

Dear Mr. Rust:

Your application, docket 1933, for an exploration project in the amount of $16,000.00, has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA field team IV, Mr. J. M. East, Jr., 22h New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

In the event you have additional information that will assist the field engineers in evaluating this proposition we request that you submit such data in writing to Mr. East. During the period your application is in the hands of the field team, we suggest you direct all inquiries to that office.

Yours very truly,

Tom Lyon, Director
Supply Division

WBourret/mh 8-14-51
cc: Adm. Read. File
Reports and Records
Lyon
Kaiser, Hosted, USGS
Bourret
Field team IV
DMA docketfiles

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
AUG 20 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. Glen Rust
Cortez
Colorado

AUG 17 1951

Re: Uranium
DMA-1933

Dear Mr. Rust:

Your application, docket 1933, for an exploration project in the amount of $18,000.00, has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA field team Iv, Mr. J. H. East, Jr., 224 New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

In the event you have additional information that will assist the field engineers in evaluating this proposition we request that you submit such data in writing to Mr. East. During the period your application is in the hands of the field team, we suggest you direct all inquiries to that office.

Yours very truly,

Tom Lyon, Director
Supply Division

WBourret/mh 8-14-51
cc: Adm. Read. File
Reports and Records
Lyon
Keiser, Hosted, USGS
Bourret
Field team IV
DMA docketfiles

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
AUG 20 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. H. East, Jr.
224 New Customhouse Bldg.
Denver 2, Colorado

AUG 17 1951

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. DMA1933

Commodity Uranium

Applicant Glen Rust

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

Olof E. Rove

For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA - 1933

Commodity Uranium

Total Amount $18,000

Govt. Participation $16,200

1. Name and Address of Applicant Glen Rust

Cortez, Colorado

2. Location of Property Cane Springs Area, San Juan County, Utah

3. Mineral or metal Uranium Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination Report by Field Team is required. See Item 17.

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated?
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future

productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary?_____

a) MF-201?_____

b) MF-202_____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower_____

b) Equipment and supplies_____
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)*_____

d) Water (question 13)*_____

e) Power (question 13)*_____

Is a field check needed on any of these points?_____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)*_____

_____

Is a field check needed on this point?_____

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described?_____

If not, are there sufficient data given so that you can describe the project?_____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work?_____

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5?_____

If not, what part of it is?_____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

g) Is a field examination necessary to complete Exhibit A?_____

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed?_____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____ _____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? _____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? It is recommended that this application be reviewed with Mr. Richard P. Fischer, U.S. Geological Survey, and with Mr. T.W. Oster, U.S. Atomic Energy Commission, Grand Junction, Colorado.

Suggest tell applicant to send in a new set of replies to questions on form MF-103, in full detail, as present information is far too little to permit any judgement whatsoever.

Reviewed by: E R Gordon

H W Keyser U.S.G.S.

J A Hosted AEC

Date August 13, 1951

INT.-DUP. SEC., WASH., D.C. 99009

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1933

Date received 8-6-51

Participation

Glen Rust
Cortez, Colorado.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

Name and address of applicant

Date July 30, 1951

FILL IN THIS BLOCK

Date of application July 30, 1951

Estimated cost $ 18000.00

Mineral or metal Uranium

Percentage of Government participation 90%

Location of mine San Juan County, Utah.
(Cane Springs Area)

Date of filing MF-100

DMA Docket Number, if available 1933

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Partn ership
*2. If a partnership, state names and addresses of partners. Glen Rust & M.M. Sears.Cortez, Colo.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property? Lessee
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.
    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. None

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. yes, Spring
State amount of power to be used, rate per hour or other cost, and source. gasoline

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. none

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining	1ton	.20 adv.	$25.00	$30.00
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. none

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Uranium

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. 1 year
    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data. none available

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. none
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

(Name of company)	By Glen Rust (Signature of authorized official)
(Date)	Lessee (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

*4
(a) Glen Rust, managing a private bussiness for past twenty years.

(b) M.M.Sears, ten years mining experien ce.

*8 Assets		Liabilities
4 trucks	$8000.00	$500.00
1 compressor	$1500.00	$250.00
1 Jack H ammer &Mine Equip.	$1000.00	
1 Core drill	$2000.00	
	$12500.00	$750.00

Th ree months mining this property

Ore shipped	Cost
$1400.00	$1140.00

*9 $200.00 ? Yes not sufficient to carry this share of cost. JVH

*10 (a) Four small mines Eight good showings of ore.

(b) W½ NW ¼ of Sec.16 T. 28 S.R.23 E. 80 acres.

*12 40 miles north of Monticello, Utah. Seven miles from Highway 160, Good road to property.

Shipping points

Thompson, Utah	70 miles
Monticello, Utah	40 " "
Durango, COLO.	148 " "
Naturita, "	70 " "
Urvan, "	90 " "

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

*15 Ship by truck

Ore will be milled at Atomic Energy Plants at Monticello, or Thompson, Utah or Durango, Naturita and Urvan, Colorado.

*16 (a) none

(b) Prince Albert claim has been mined since 1915.

(c) we have mined this property for past three months. Ore ave. 20 Urainum.

*18 (a) Uranium U_3O_8 .10 to .27 Vanadium V_2O_5 1 to 2.75

*21 (b) mined since 1915

*23 (a)

Miners	2	$1.50	per hour
Coredrill operator	1	$1.50	" "
Wagon hammer operator	1	$1.50	" "
Truck driver	1	$1.35	" "
(b) Time & book keeper	1	$1.00	" "
Enginer & Surveyor	1	$4.00	" "

(c) none
(d) n one
(e) wagon hammer $2000.00
geiger counter $300.00
(f) $1.00 per hour for each $1000.00 of value
(g) $1.00 per hour for each $1000.00 of value
(i) none

*24 Expect to complete project in six months, starting as soon as project is approved. Expect to spend $3000.00 per month, Drilling, tunneling, building roads.

THE STATE OF UTAH

STATE LAND BOARD

SALT LAKE CITY 1

P. H. MULCAHY
CHAIRMAN

T. S. CURTIS

MILTON B. TAYLOR

LEE E. YOUNG
EXECUTIVE SECRETARY

July 27, 1951

Re: Mineral Lease Appl.
No. 3006

Question 7
Copy of contract will be sent as soon as possible.

Messrs. M. M. Sears and Glen Rust
Box 575
Cortez, Colorado

Gentlemen:

Please be advised that the Mineral Lease prepared pursuant to Mineral Lease Application No. 3006 is, at the present time, in the State Attorney General's Office for his approval.

As soon as the lease is approved, it will be mailed to you for signature.

Yours very truly,

Robert H. Ruggeri

ROBERT H. RUGGERI
TITLE EXAMINER

RHR:lj

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. .....
Metal or Mineral .....
Date Received .....
Amount $.....
Participation (Government %)
.....

Name and address of applicant

Glen Rust & M.M.Sears

Cortez, Colorado.

Date .....

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) 1933

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

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

(Name of company)	By Glen Rest (Signature of authorized official)
Jan 2 1952 (Date)	Lessee (Title)

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—64067-2

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. .....
Metal or Mineral .....
Date Received .....
Amount $.....
Participation (Government %)
.....

Name and address of applicant

Glen Rust & M.M.Sears
Cortez,Colorado.

Date .....

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) ...1933.....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

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

(Name of company)	By Glen Rust (Signature of authorized official)
Jan 2 1952 (Date)	Lessee (Title)

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—64067-2

1.(a) [illegible], [illegible], Sec. 1 [illegible] [illegible], [illegible] of [illegible].

(b) [illegible] enclosing a copy of [illegible].

(c) Same as (a) above.

2.(a) Urgent [illegible]

(b) We have already found small deposits of carnotical ore. Geologic features are almost impossible for me to explain unless to a fieldman.

3.

(A) Tunnel 400 ft. 7 by 7 as shone on map.
Drillin g as shone on map.

(b) Ten days to start tunnel. Sixty days to finish.
Start drilling as soon as weather permits in spring.
Six months to finish.

6. None

7.

(a) Wagonhammer.

(b) Wagonhammer, if not rented.

(c)

Compressor and mine equipment	$2000.00
Coredrill	1500.00
Truck	2000.00

$1.00 per hr. for each $1000.00 of value.

8.

2 miners $1.75 per hr. or machine men to core drill or run wagonhammer.
2 muckers 1.50 " "
1 supervisor and bookkeeper $1.75 per hr.
1 engineer $500.00 more or less on all of project.

9. Materials $500.00 more or less.
Supplies----none.
Engineering--$500.00 more or less.
Assaying---$4.00 per sample of ore, depends on discovery.
Accounting----Supervisor and bookkeeper.
Power, water, utilities-----none.

. . . .

10.(a) $1800.00

(b) Yes.

11. This project can be more thoroughly explained to a geologist or fieldman on the grounds.

1. (a) W½-NW¼-Sec.16T28 R23 E. of SLBM.

(b) Am enclosing a copy of lease.

(c) Same as (a) above.

2. (a) Uranium.

(b) We have already found small deposits of comerical ore. Geologic features are almost impossible for me to explain unless to a geologist or field man,.

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Six months to finish .

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1 engineer $500.00 more or less on all of project.

9. Materials--$500.00 more or less.
Supplies----n one.
Engin eering---$500.00 more or less.
Assaying---$4.00 per sample of ore, depends on discovery.
Accounting----Supervisor and bookkeeper.
Power, water, utilities------none.

10. (a) 1000.00

(b) 10s.

11. This project can be more thoroughly explained to a geologist or fieldman on the grounds.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. .....
Metal or Mineral .....
Date Received .....
Amount $.....
Participation (Government %)
.....

Name and address of applicant

Glen Rust & M.M.Sears
Cortez, Colorado.

Date .....

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) 1933

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

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   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

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   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

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

REGIONAL DIRECTOR'S OFFICE REGION IV JAN 7 1952 BUREAU OF MINES DENVER, COLORADO

(Name of company)

By Glen Rust
(Signature of authorized official)

Jan. 1952
(Date)

Lessee
(Title)

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—64067-2

1. (a) W½, NW¼, Sec, 16 T28 R23 E of SLBM.

(b) Am en closing a copy of lease.

(c) Same as (a) above.

2. (a) Uranium.

(b) We h ave already found small deposits of comerical ore. Geologic features are almost impossible for me to explain unless to a geologist or fieldman.

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Drilling as shone on map.

(b) Ten days to start tunnel. Sixty days to finish.
Start drilling as soon as weather permits in spring.
Six months to finish.

5. None

7.

(A) Wagonhammer

(b) Wagonhammer, if not rented.

(c) Compressor and mine equipment $2000.00

Core drill 1500.00

Truck 2000.00

$1.00 per hr. for each $1000.00 of value.

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2 miners $ 1.75 per hr. or machine men to core drill or run wagonhammer.
2 muckers 1.50 " "
1 supervisor and bookkeeper $ 1.75 per hr.
1 engineer $500.00 more or less on all of project.

9. Material $500.00 more or less.
Supplies ----none.
Engineering--$500.00more or less.
Assaying----$4.00 per sample of ore,depends on discovery.
Accounting---Supervisor and bookkeeper.
Power,water,utilities-----none.

16. (a) $1800.00

(b) Yes.

11. This project can be more thoroughly explained to a geologist or fieldman on the grounds.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. .....

Date received .....

Glen Rust & M.M. Sears
Cortez, Colorado.

Name and address of applicant

Date .....

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
"D" Glen Quist Cortez, Colo.		gross $16,000.00	$20,000.00	none	none	$4000.00	
M.M. Sloan Cortez, Colo.							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	none	none			none
2. Quantity of product processed (specify unit of measure and type of process)	none	none			none
3. Quantity and grade of product sold or shipped (specify units of measure)	none	none			none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

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

1. (a) Uranium.

   (b) Vanadium.

2. Name, Longhole. Pits.

(a) none

(b) none

(c) none

(d) none

Mine is not flooded.

Productive capacity will depend on the size of ore body discovered.

3. (a) 40 miles South to Monticello,Utah.

(b)Cane Springs Area.

(c)T28-Sec.16-R 23 E of SLBM.

(d) San Jaun County,Utah.

4. (a) yes. Operated by Glen Rust, Cortez, Colo. and M.M. Sears, Cortez, Colo.

(b) Lessee.

5.Three months.

6.(a) Applicant's, Glen Rust, trucking business for twenty years. Connected with uranium and vanadium for ten years.
M.M.Sears, mining for twenty years.
(b) Glen Rust.

7. (a) Tunneled and drilled.
Mined ore assaying from .04 to 1.98 in uranium and .96 to 4.98 in vanadium.
Operations have not been suspended.

(B) Prince Albert joins on west side producing since 1915.

(c) Settlement sheets from sales of ore from June through Nov. running from .04 to 1.98 in uranium and .96 to 4.98 in vanadium.

11. We contemplate a big change in production if we can finance production. Cannot estimate maximum production and basic change until exploration is completed.

12.(a)Uranium and Vanidum in small deposits.No available report on geology and ore reserves until project is completed.

(b) (1)none

(2)n one

(c) does not apply to us.

13.Dirt and Blacktop

14. Spring, Quantity, plenty. Yes.

15.Gasoline.

16. None

17. Buildings, non e.
Compressor
Coredrill
Four trucks
All small mining tools.

18.NO

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company)

By Glen Punt
(Signature of authorized official)

Jan 2 1952
(Date)

Lessee
(Title)

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U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

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Date received .....

Glen Rust & M.M.Sears.
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Name and address of applicant

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

   If not in production or operation, estimated date when production will begin .....
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   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
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8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
"D" Glen Rust Cortez, Colo.		gross $16,000.00	$20,000.00	none	none	$4000.00	
M. M. Sears Cortez, Colo.							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
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*Indicate period covered.

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Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	none	none			none
2. Quantity of product processed (specify unit of measure and type of process)	none	none			none
3. Quantity and grade of product sold or shipped (specify units of measure)	none	none			none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

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

1.(a) Uranium.

(b) Vanadium.

2. Name, Longhole. Pits.

(a) none

(b) none

(c) none

(d) none

Mine is not flooded.

Productive capacity will depend on the size of ore body discovered.

3.(a) 40 miles South to Monticello, Utah.

(b) Cane Springs Area.

(c) T28-Sec.16-R 23E of SLBM.

(d) San Jaun County, Utah.

4.(a)yes, Operated by Glen Rust, Cortez, Colo. and M.M.Sears, Cortez, Colo.

(b)Lessee.

5. Three months.

6.(a) Applicant's, Glen Rust, trucking business for twenty years. Connected with uranium and vanadium for ten years.
M.M.Sears---mining for twenty years.
(b) Glen Rust.

7. (a) Tunneled and drilled.
Mined ore assaying from .04 to 1.98 in uranium and .96 to 4.98 in vanadium.
Operations h ave not been suspended.

(b) Prince Albert joins on west side producing since 1915.

(c) Settlement sh eets from sales of ore from June through Nov. running from .04 to 1.98 in uranium and .96 to 4.98 in vanadium.

11. We cotemplate a big change in production if we can finance production. Cannot estimate maximum production and basic change until exploration is completed.

12. (a) Uranium and Vanadium in small deposits. No available report on geology and ore reserves until exploration project is completed.

(b) (1) none

(2) non e

(c) does not apply to us.

13. Dirt and Blacktop.

14. Spring. Quantity,plenty. Yes.

15.Gasoline.

16. None

17. Buildings, none.
Compressor
Coredrill
Four trucks
All small mining tools.

18.No

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company)

By Glen Rust
(Signature of authorized official)

Jan 3 1952
(Date)

Lessee
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

UTAH STATE URANIUM AND VANADIUM MINERAL LEASE

Mineral Lease Application No. 3006 Mineral Lease No. 3919
M. M. Sears and Glen Rust Grant: School

THIS INDENTURE OF LEASE AND AGREEMENT, entered into, in duplicate, this 18th day of May, A. D. 1951, by and between the State Land Board, acting in behalf of the State of Utah, hereinafter called the Lessor, and M. M. Sears and Glen Rust of Cortez, Colorado, hereinafter called the Lessee, under the pursuant to Title 86, Chapter 1, Utah Code Annotated 1943, and Amendments thereto.

WITNESSETH: That the Lessor, in consideration of the rents and royalties to be paid and the covenants to be observed by the Lessee, as hereinafter set forth, does hereby grant and lease to the Lessee the exclusive right and privilege to mine and dispose of all of the uranium and vanadium minerals in the following described tract of land situated in San Juan County, State of Utah, to-wit:

West Half (W½) of the North West Quarter (NW¼), of Section Sixteen (16), Township Twenty-eight (28) South, Range Twenty-three (23) East, of the Salt Lake Base and Meridian.

containing a total of 80.00 acres, more or less, together with the right to use and occupy so much of the surface of said land as may be required for all purposes reasonably incident to the mining and removal of the uranium and vanadium minerals, according to the laws of the State of Utah, for a period of ten years and as long thereafter as uranium and vanadium minerals are produced in commercial quantities from the said lands, upon condition that at the end of each twenty-year period succeeding the first day of the year in which this lease is issued, such readjustment of terms and conditions may be made as the Lessor may determine to be necessary in the interest of the State.

ARTICLE I

It is expressly understood and agreed that this lease is granted subject in all respects to and under the conditions of the laws of the State of Utah, and the Federal Statutes regarding the operation of metallic mineral mines, Employer's Workman's Compensation, Workman's Insurance, Social Security and Unemployment Insurance.

ARTICLE II

It is further expressly understood and agreed that this lease covers only the mining and marketing of uranium and vanadium minerals, but that should other minerals be discovered such fact shall be immediately reported to the Lessor.

ARTICLE III

The Lessee in consideration of the granting of the rights and privileges aforesaid, hereby covenant and agree as follows:

FIRST: To pay to the Lessor as annual rental for each acre covered by this lease the sum of 50¢ per acre per annum. All such annual payments of rental to be made in advance on the 2nd day of January of each year, except the 1951 rental, which is payable on the execution of this lease, such rental to be credited on the royalties to become due hereunder during the year for which said rental is paid.

SECOND: To pay to the Lessor a royalty of 12½% of the proceeds for ores sold less assay charges and transportation to point of sale. All payments to be made monthly on or before the 15th day of the month next succeeding the month in which the ores are sold. Monthly statements as to the amount of production and production sold from the leased ground in the preceding month must be in affidavit form and shall accompany the royalty remittance. Failure to pay the rents and royalties or any of them in the manner herein provided shall constitute a default and entitle the Lessor to declare a forfeiture on this lease and to enter upon and take possession of the premises with or without process of law.

THIRD: That at the option of the Lessor it may require the payment at the mine of royalties in kind; the amount being 12½% of the material produced.

FOURTH: That upon the shipment of any ore under this lease, the Lessor shall be immediately notified in writing that such shipment is being made, giving the means of transportation and the point of destination.

FIFTH: That at the option of the Lessor it may require, before the commencement of mining operations, that the Lessee shall submit a detailed plan with maps, showing the proposed method of opening the ground and that such work shall not be undertaken until the Lessor has approved such plan and that Failure on the part of the Lessee to do so, if required, or to prosecute development on the lines directed, shall constitute a cause for cancellation of this lease.

SIXTH: To commence actual mining operations upon the land included herein on or before December 31, 1951, and thereafter to diligently operate the property according to the plans accepted or under modifications thereof as may be acceptable to the Lessor.

SEVENTH: To at all times during the life of this lease perpetuate and protect the main line tunnels in ingress and egress to and from said lands and the air courses necessary for proper ventilation, by means of proper pillars and timbering as may be directed by the Lessor or State Mine Inspector, whether upon this leased land or extending through adjacent lands owned or operated by the Lessee, and upon abandonment or termination of this lease from any cause, to substantially fence, fill in, cover or close all surface openings or workings, if directed to do so by said Lessor.

EIGHTH: To keep at the mine office clear, accurate and detailed maps on tracing cloth, on a scale not more than 50 feet to the inch, of the workings in each separate mine on the leased lands and on the lands adjacent, and to be so arranged with reference to a public land corner that the maps can be readily and correctly superimposed, and to furnish to the Lessor annually, or upon demand, certified copies of such maps and such written statement of operations as may be called for. All mine surveys shall be made by a licensed engineer and all maps certified to by him.

NINTH: To not assign this lease or any interest therein, nor sublet any portion of the leased premises, or any of the rights and privileges herein granted, without the written consent of the Lessor being first had and obtained.

ARTICLE IV

The Lessor hereby excepts and reserves from the operation of this lease;

FIRST: The right to permit for joint or several use such easements or rights-of-way upon, through or in the Land hereby leased as may be necessary or appropriate to the working of these or other lands belonging to the Lessor containing mineral deposits or for other use.

SECOND: The right to use, lease, sell or otherwise dispose of the surface of said lands or any part thereof, under existing State Laws or laws hereafter enacted, insofar as said surface is not necessary for the use of the Lessee in the mining and removal of the uranium and vanadium minerals therein, and to lease other mineral deposits, excepting those enumerated herein which may be contained in said lands.

ARTICLE V

It is further understood and agreed that upon failure or refusal of the Lessee to accept the readjustment of terms and conditions demanded by the Lessor at the end of any twenty-year period, such failure or refusal shall work a forfeiture of the lease and the same shall be canceled.

ARTICLE VI

Upon cancellation of this lease for any cause hereunder the Lessee shall be entitled to remove from the lease holdings only their personal and movable property and that improvements attached to the land such as buildings, timbering or other construction or construction material in place, shall remain undisturbed upon the ground and the property surrendered in good usable condition.

ARTICLE VII

It is mutually understood and agreed that the suspension of mining operations by the Lessee for a longer period than six months without the written consent of the Lessor being first had and obtained shall be a cause for forfeiture, and that upon the violation of this provision or any of the otherterms of this lease the Lessor may at its option after thirty days notice by registered mail cancel this lease. After the expiration of the said thirty days and the cancellation of the lease no notice of such cancellation need be given the Lessee.

ARTICLE VIII

It is mutually understood and agreed that the Lessee may terminate this lease at any time upon giving three months notice inwriting to the Lessor, and upon payment of all rents and royalties and other sums due and payable to the Lessor, and upon complying with the terms of this lease with respect to the preservation of the workings in such order and condition as to permit of the continued operation of the premises and the preservation of the mine.

ARTICLE IX

It is understood and agreed by and between the parties hereto that the Lessor, its officers and agents, shall have the right at all times to go in and upon the leased lands and premises, during the term of said lease to inspect the work done and the progress thereof on said lands and the products obtained therefrom, and to post any notices on the said land that it may deem fit and proper; and also shall permit any authorized representatives of the Lessor to examine all books and records pertaining to operations and under this lease, and to make copies of and extracts from the same, if desired.

ARTICLE X

It is mutually understood and agreed by the parties hereto that all of the terms, covenants, conditions and obligations in this lease contained, shall be binding upon the heirs, executors, administrators and assigns of the Lessee.

ARTICLE XI

It is understood and agreed that this lease is issued only under such title as the State of Utah may now hold, and that in the event the State is hereafter divested of such title, the Lessor shall not be liable for any damages sustained by the Lessee, nor shall the Lessee be entitled to or claim any refund of rentals or royalties, or other monies theretofore paid to the Lessor.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names the day and year first above written.

STATE OF UTAH, STATE LAND BOARD

Approved as to form
CLINTON D. VERNON
ATTORNEY GENERAL
J. Lambert Gibson
7/15/53

By [signature]
EXECUTIVE SECRETARY LESSOR

[signature]
LESSEE

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. _____

Date received _____

Glen Rust & M.M.Sears.
Cortez,Colorado.

Name and address of applicant

Date _____

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
D. Glen Quist, Cortez, Colo.		gross $16,000.00	$20,000.00	none	None	$4000.00	
M. M. Sears, Cortez, Colo.							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	none	none			none
2. Quantity of product processed (specify unit of measure and type of process)	none	none			none
3. Quantity and grade of product sold or shipped (specify units of measure)	none	none			none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

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

1. (a) Uranium.

(b) Vanadium.

2. Name, Longhole. Pits.

(a) none

(b) none

(c) none

(d) none

Mine is not flooded.

Productive capacity will depend on the size of ore body discovered.

3.(a) 40 miles South to Monticello, Utah.

(b) Cane Springs Area.

(c)T28-Sec16-R 23 E of S L B M.

(d) San Jaun County, Utah.

4. (a) yes, Operated by Glen Rust. Cortez,Colo. and M.M.Sears. Cortez, Colo.

(b) Lessee.

5. Three months.

6.(a) Applicant's,Glen Rust, trucking business for twenty years. Connected with uranium and van adium for ten years.
M.M.Sears, mining for twenty years.
(b) Glen Rust.

7.(a) Tunneled and drilled.
Mined ore assaying from .04 to 1.98 in uranium and .96 to 4.98 in vanadium.
Operations have not been suspen ded.

(b) Prince Albert joins on west side producing since 1915.

(c) Settlement sheets from sales of ore from June through Nov. running from .04 to 1.98 in uranium and .96 to 4.98 in vanadium.

11. We contemplate a big change in production if we can finance production. Cannot estimate maximum production and basic change until exploration is completed.

12. (a) Uranium and Vanidum in small deposits. No available report on geology and ore reserves until exploration project is completed.

(b) (1) none

(2) none

(c) does not apply to us.

13. Dirt and Blacktop.

14. Spring, quantity, plenty. Yes.

15. Gasoline.

16. none

17. Buildings, none.
Compressor
Coredrill
Four trucks
All small mining tools.

18.No

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company)

By Glen Rust
(Signature of authorized official)

Jan 2 1952
(Date)

Lessee
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

August 29, 1951

Mr. Glen Rust
Box 575
Cortez, Colorado

Re: BIM Docket 1933

Dear Mr. Rust:

In reply to your letter dated August 27, 1951, we are enclosing five copies of Form MF-100, five copies of Form MF-103, and one copy of MO-5.

Four completed copies of Forms MF-100 and MF-103 are to be returned to this office and the other copy may be kept for your files.

Yours very truly,

W. H. King, for
J. H. Rust, Jr.
Executive Officer
BIM Field Team, Region IV

Enclosures

12

cc: BIM
Kingsbury

Form 6-95

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REFERENCE SLIP

DATE 8/29/51

REFERRED TO:

1. Allsman
2.
3.
4.

FOR:

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

REMARKS: Letter dated 8/27/51 from Glen Rust (DMA 19330 requesting additional 103'd and Access Road application.

Check (X) before the items needing attention.

JHE
Initials of sender.

GPO 16—51162-1

REGIONAL DIRECTOR'S
OFFICE
REGION IV
AUG 29 1951
BUREAU OF MINES
DENVER, COLORADO

Cortez, Colo.
Aug. 27, 1951

Mr J. H. East Jr.
Dear Sir:

Re: DMA Docket 1933

In reply to your letter of Aug. 22, requesting four copies of Form MF-103, I do not have enough on hand. Please send me forms for same, also application forms for an access road.

Yours truly,
Glen Rust.
Box 575
Cortez, Colo.

Glen Rust
Cortez, Colo.

CORTEZ, COLO.
AUG 27
530PM
1951

United State Department of Interior
J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV
224 New Customhouse
Denver 2, Colo.

August 22, 1951

Mr. Glen Rust
Cortez, Colorado

Dear Mr. Rust: Re: DMA Docket 1933

Your application for a loan of $18,000 to explore for uranium in the Cane Springs Area, San Juan County, Utah, has been forwarded to this office from Washington. Form MF-103 should be filled in completely and we suggest that you send this office four copies of a complete set of replies to the questions.

The answer to question 9 should be 10 percent of the total amount, or $1,800.00. Your labor and depreciation on any equipment used on the project are allowable costs and will be considered as part of your contribution to the project.

You should submit a concrete proposal stating the work to be done, (question 21) such as a certain number of feet of sinking, drifting, crosscutting or core drilling. Four copies of maps showing the proposed work should be submitted.

It is important that question 23 be answered in detail. List the classifications of employees, their daily wage, and the estimated total wages. Also list each item of equipment to be rented, or purchased, the monthly and total rental or purchase price.

If you have to build a road to the mine, we will be glad to send you the necessary application forms for an access road.

No action can be taken on your application until the above information is received. When replying, please refer to Docket 1933.

Yours very truly,

J. R. Rust, Jr.
Executive Officer
DMA Field Team, Region IV

14
cc: Kornhauser, DMA

REGIONAL DIRECTOR'S
OFFICE
REGION IV
AUG 24 1951
BUREAU OF MINES
DENVER, COLORADO

Box 575
Cortez, Colo.
Aug. 23, 1951

Mr. J. H. East, Jr.

Dear Sir:

Am enclosing a letter that I received from Tom Lyon asking for additional information, but does not state exactly what information you want. If you will let me know what information you want am sure I can supply any and all.

Yours truly,
Glen Rust.

See letter
Aug. 22

DMA-1933

file
Coleman
Pb thundle
FYE
McMillan
Stan
JFR

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

AUG 17 1951

Mr. Glen Rust
Cortez
Colorado

Re: Uranium
DMA-1933

Dear Mr. Rust:

Your application, docket 1933, for an exploration project in the amount of $18,000.00, has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA field team Iv, Mr. J. H. East, Jr., 224 New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

In the event you have additional information that will assist the field engineers in evaluating this proposition we request that you submit such data in writing to Mr. East. During the period your application is in the hands of the field team, we suggest you direct all inquiries to that office.

Yours very truly,

Tom Lyon

Tom Lyon, Director
Supply Division

August 2, 1951

Mr. Glen Rust
Cortez, Colorado

Dear Mr. Rust:

This is to acknowledge receipt of your application for exploration aid, MF-103, and to advise you that the application is being forwarded to Defense Minerals Administration, Washington, D. C.

Yours very truly,

P. T. Allaman, for
J. H. Rust, Jr.
Executive Officer
DMA Field Team, Region IV

ld
cc: DMA

Mining Division
Region IV

July 18, 1951

Mr. Glen Rust
Cortez, Colorado

Dear Mr. Rust:

This is in reply to your letter of July 10, 1951 concerning the exploration program under the Defense Minerals Administration.

The Defense Minerals Administration Act has been extended until July 31, 1951 and applications are still being received.

It is anticipated that Congress will extend the Act for the remainder of the Fiscal Year.

As requested in your letter we are sending you five copies of MF-103, and one copy of MO-3. We are also including two press releases describing the government's exploration program.

The Form MF-100 and Form MF-202 are not required until your application is approved.

Yours very truly,

P. T. Allsman
Chief, Mining Division

Enclosures

PTA:fwo

Cortez, Colorado
July 16,1951.

Defense Mineral Administration
224 New Custom Building
Denver, Colorado.

Dear Sirs:

I wrote you a letter June 21st. requesting information for government assistance, which I received. Is it to late to get government assistance on exploration project. If not please send me two copies of forms MF100,MF103, MF202 and government regulations M05, and Sherman-Int. 3337 from Department of The Interior,Information Service for Release May 14,1951, and any other information that might be available.

Yours truely,

Glen Rust.

REGIONAL DIRECTOR
OFFICE
REGION IV
JUL 16 1951
BUREAU OF MI
DENVER, COLORAD

Mining Division
Region IV

June 27, 1951

Mr. Glen Rust
Box 575
Gorton, Colorado

Dear Mr. Rust:

Reference is made to your letter of June 21, requesting information on marketing manganese, and application blanks for financial assistance.

Enclosed are five blank forms MF-103, Application for Aid for an Exploration Project, together with an instruction sheet relative to Mineral Order 5. Complete the form in detail, adding as many sheets as may be necessary. You should forward 4 copies to the Defense Minerals Administration, Interior Bldg., Washington 25, D.C., and retain 1 copy for your files.

The General Services Administration, Federal Supply Service, Capt. H. G. Maull, Jr., Director, 7th and D Sts., S. W. Washington 25, D.C. will consider offers of manganese with the following chemical analysis:

Manganese	40.0% min.
Iron	16.0% max.
Silica plus Alumina	15.0% max.
Phosphorous	0.30% max.
Copper plus Lead plus Zinc	1.00% max. of which not more than 0.25% may be copper.

Form No. MF-106 may be completed in quadruplicate and forwarded to the Defense Minerals Administration in case you are in a position to contract a definite amount manganese with the above chemical analysis.

It is suggested that you might also contact the Colorado Fuel and Iron Co. at Pueblo regarding the sale of manganese ore. The C. F. & I. do not always require as high a percentage of manganese, providing other minerals are acceptable.

Sincerely yours,

P. T. Allsman
Chief, Mining Division, Region IV

Enclosures
cc: Chron., Subj.

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUN 25 1951
BUREAU OF MINES
DENVER, COLORADO

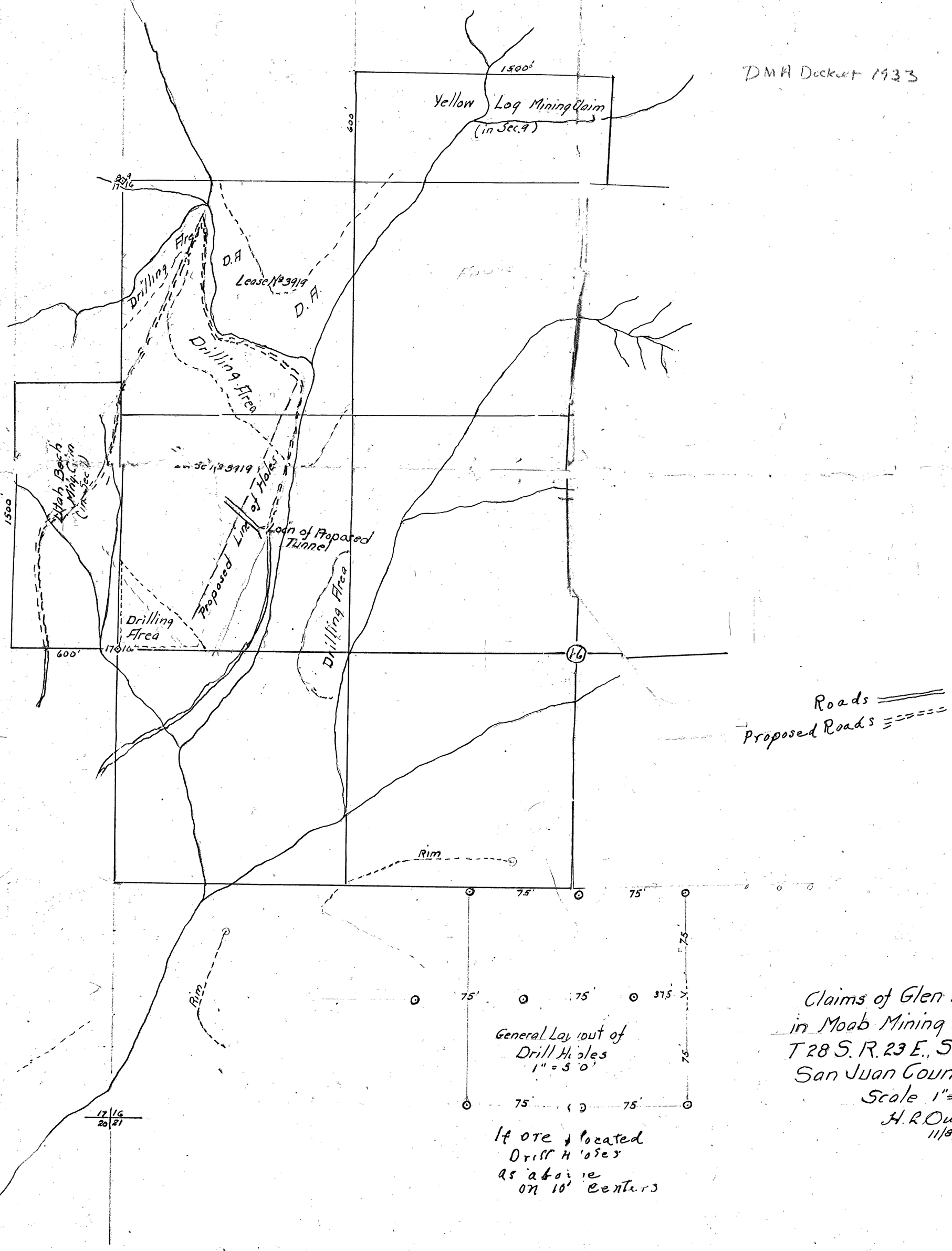
Cortez, Colo.
June 21, 1951

Dear Sirs:

Please send me all information on marketing and all grades of marketable manganese ores and application blanks for government loan.

Yours truly,
Glen Rust
Cortez, Colo.
Box 575.

DMR Docket 1933



Roads
Proposed Roads

General Layout of Drill Holes 1" = 50'

If ore located Drill Holes as above on 10' centers

Claims of Glen Rust, et. al.
in Moab Mining Dist No 16
T 28 S. R. 23 E., S.L. Mer.
San Juan County, Utah
Scale 1" = 400'
H. R. Owens, CE
11/8/1951

Rust and Sears (Uranium) Property