DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4424

Application (Denied ✓
~~(Withdrawn~~
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

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

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium
The ore is there but I need to develop the mine to remove it.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. 85 feet of incline tunnel to the ore body 20 feet X 9 feet.

(*c*) The work will start within 10 days and be completed within 24 months from the date of an exploration project contract. I expect to start shipping on two weeks and the 24 months won't be required.

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

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: 20,000.00

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.). Bull Dozer work 32 hours at 10.00 per hour 320.00 to extend road & strip.

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. I will supervise operation, as part of contribution to loan.

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

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

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. Cement floor rock building for storage cost 100.00

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

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

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

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs. Included. Road work. 2800.00 and assessment and prospect work $1000.00

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

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

☐ Money ☑ Use of equipment owned by you ☑ Other accounting mining Management Engineering

Explain in detail on acompanying paper. see attached sheet

CERTIFICATION

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

Dated _____, 195__

Silas O Tanner
(Applicant)
Silas O. Tanner 51% owner

By Betty M. Foster

With consent of Betty M. Foster 49% owner

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

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

DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4424

Application (Denied ✓
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Contract (Terminated - not Certified
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Folder No. 5: Drill Logs

MF-103
(Revised April 1952)

RECEIVED
AUG 16 1956

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 4424
Metal or Mineral Uranium
Date Received 8-16-56
Estimated Cost $20,000
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Silas O. Tanner, Mailing Address: Box 64, Salina, Utah.

Family Residence: Please send copy of reply there: Sand Hill & Ford Road, Las Vegas, Nevada.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. Individual: Company called Copper Spot Mines Co.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. Amount needed: $20,000.00

(*d*) If a partnership, add to the above statement the names and addresses of all partners.
Betty M. Foster, Box 3009, North Las Vegas, Nevada. Owns 49% of Company.

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Township 25 South, Range 5 East SLM. and in Section 27 & Section 15 of the above Township also I am 51% owner in some claims in Section 21, Township 25 South, Range 5 East. Deposit of Autunite & Carnotite running under Copper Spot #5, in Section 15 this assays 1.24 up. This may need to be removed with 85 feet of incline to ore body.

(*b*) State any mine name by which the property is known. There is ore in Copper Spot 1,2,3,4 Copper Spot Mines Company.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise I own five Claims Tanner #1 to 4 & Solomon #4 and these I have complete ownership then I own 51% of 12 claims.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. I have permission of Betty M. Foster, Box 3009 North Las Vegas, Nevada

(*e*) If you own the land, describe any liens or encumbrances on it No bills or liens. (49% owner).

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Book 9, & 10 also 14. Page 457 Sevier County Recorder's Office 1954 & 1955. Utah

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. I did $1000.00 work myself 1956.

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. Morrison, Brushy Basin & Salt Wash has the ore, there was also: Volcanic, thermal action and possible primary ore.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Road completed at cost of approximately 2800.00 to the Claim Lings #6 about 1800 feet from best ore.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. No power there.

16—66551-1

To use light plant and generate our own. We haul drinking water 7 miles and Mining water 5 miles. Tank Truck. Barrels etc.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium
The ore is there but I need to develop the mine to remove it.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. 85 feet of incline tunnel to the ore body 20 feet X 9 feet.

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

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: 20,000.00

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Explain in detail on acompanying paper. see attached sheet

CERTIFICATION

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

Dated _____, 195__

Silas O Tanner
(Applicant)
Silas O. Tanner 51% owner

By Betty M. Foster

With consent of Betty M. Foster 49% owner

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

History of Mining & Engineering Experience of Silas O. Tanner, Applicant for Defense Minerals Exploration Loan to complete Development of Uranium Property:

1926 to 1928 Worked at the Bully Boy Mine in Marysvale for George Barnett as a regular miner and Engineers helper when required.

1922 to 1924 Worked at the Ruth Mine, Ruth, Nevada for Nevada Consolidated Copper Company and worked part time in the Engineering Department and for Charles Rose, Master Mechanic under Dave Stark. Young Dave Stark works for Kennear and will verify this at McGill, Nevada if a check is made.

Worked as a miner in Caselton Mine at Pioche, Nevada, running a slusher and mucking machine.

Worked at Kimberly, Nevada as car repair man and loaded cars from the chutes.

Worked for American Smelting and Refining Co as a Timekeeper.

Worked at McGill Smelter as a sample boy and then as Timekeeper.

worked for Nevada Consolidated Copper Company as an Accountant? 1925 - 1927.

Worked at the Circle Cliffs Rainy Day mines as an Ore sorter.

Worked for Riddle Mines at Montecello, Utah as Geologist and mine consultant. Started the mine shipping in 1954.

Analisis of Costs and Accounting required.

My occupation when not mining is Public Accounting and I have set up mining records, the last one was Tri State Metals at Mesquite, Nevada. I am throughly familiar with mine accounting and the tax problems State, County, and Federal.
I suggest the Pioneer system for our operation as the distribution of costs will be entered each time a check is drawn.
Estimated accounting expense for 24 months $1800.00 and this will be furnished by me as part of my contribution.
The Mine Supervision will be approximately $18.00 per day and I will furnish half of this as my contribution.
Water hauling will cost about $300.00 I will furnish my truck and take care of this as I have boys that can help.

RECEIVED
AUG 16 1956

Silas O. Tanner

Silas O. Tanner, Applicant.

Attached information sheet : Estimated Expense. Silas O. Tanner, Defense Mineral Exploration Loan - $20,000.00

Estimate of actual expense of getting the ore out at the earliest time. The amount actually required may be less, however, I ask for more than is needed on account of unforseen contingent expense, in order to have the money available if needed.

Gasoline & Oil - Credit card purchased for record:	$190.00
Compressor, Truck operation etc.	
Other Oil & Grease required for operation	20.00
Food used for the mining operation	500.00
Estimated repairs to equipment	200.00
Hauling ore to marysvale above 6.00 allowed by AEC	100.00
Labor - I have two sons that will help so the mining will not be expensive - Road extension included	400.00
Books of record, checks etc	25.00
Tin Pipe to get ore down the hill	250.00
Installation figured in mining expense.	
Powder figured in footage	
85 feet of incline tunnel	
some roof bolting may be required or some timber	
Estimated cost $11.00 per foot	935.00
Ore bin installation and cost	250.00
Cement floor for house- Storage etc.	100.00
	2,970.00

Silas O Tanner

Silas O. Tanner, Applicant,

RECEIVED
AUG 16 1956

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-1	Murphy	700
8-1	Ellis	700
8/2	Martin	130
"	Johnson	110
"	Matthews	100
		220
8/2	Yoza	(130
8/2	Kilsgaard	(130

AUG - 2 1957

Copper Spot Mines Company
c/o Mr. Silas O. Tanner
Box 64
Salina, Utah

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Claims
Sevier County, Utah

Dear Mr. Tanner:

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

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

Careful study of all our information, although noting some minor uranium mineralization on your property, indicates that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy/izm 8-1-57
cc to: Mr. Murphy
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. 3 (2)
Silas Tanner, Las Vegas, Nevada address

8623

Docket

Murphy
Ellis

August 1, 1957

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-4424

Commodity: Uranium

Amount of Application: $7,640.00 (October 16, 1956, letter)

Applicant: Copper Spot Mines Company
c/o Mr. Silas O. Tanner
Box 64, Salina, Utah

Property: Owner of Copper Spot Nos. 1 through 9 claims, situated in secs. 15, 21, 22 and 28, T. 25 S., R. 5 E., Sevier County, Utah

Date of Application: undated - received August 16, 1956

Referred to Region III: Feb. 1, 1957. Note: The delay in processing was due to difficulty in obtaining essential information from the Applicant.

Field Examination made: June 4 and 5, 1957. Note: The property was inaccessible during the winter months because of road conditions.

Field Team Report received: July 22, 1957

Work Proposed: The exact location of the work was not given. The proposed exploration consisted of bulldozer stripping, and percussion and diamond drilling.

Estimated Costs:

Bulldozer, 200 hrs. @ $10/hr.	$2,000.00	
30 percussion drill holes	600.00	
Diamond drilling, 100 ft.	600.00	
Materials & Supplies	1,000.00	
Repairs & Contingencies	1,000.00	
Rental of Equipment	700.00	
Labor & Supervision	1,740.00	
TOTAL		$7,640.00

Excerpts from the Field Team Report:

The claims are located on the lower eastern slope of the rugged Fish Lake Mountain. Altitudes range from 6,000 feet in the box canyons cutting the nearly horizontal sedimentary formations, to 7,000 feet on high errosion cliffs.

Uranium mineralization occurs on the Copper Spot property in shale and sandstone beds thought to be in the Brushy Basin member of the Jurassic Morrison formation.

No high radiometric readings were obtained by the examiners on the subject property. However, weakly radioactive dinosaur bones were noted in a 60-70 ft sandy shale bed on claim No. 2. The Applicant stated that similar bones also could be found on claim 1, 3, and 4.

Somewhat stronger uranium mineralization is exposed in an adit on the Ellis Christiansen property, just north of Copper Spot No. 2 claim. However, radiometric readings taken in the adit indicate that mineralization is low-grade and that this particular deposit is limited to the vicinity of the portal. The examiners were informed that the last shipment from the adit contained less than 0.10% U_3O_8. The property is now inactive.

On claim No. 3 weak mineralization occurs in an 8-inch sandstone bed which contains spots of copper carbonate.

In view of the weakness and limited extent of mineralization exposed on and adjacent to the subject claims, as well as the geologic infeasibility of exploration designed to find the source of the uranium present in the fossilized dinosaur bones, the examiners recommended that the subject application be denied. The Field Team concurred in this recommendation.

Commodity Member's Comments: (excerpts)

USBM, James Paone, July 30, 1957:

Mr. Paone concurs in the Field Team's denial recommendation.

USGS, N. E. Nelson, July 30, 1957:

Mr. Nelson agrees with the field examiners that the property does not warrant the work proposed, and concurs in their recommendation that the application should be denied.

Div. of Rare & Miscellaneous Metals, F. M. Murphy, August 1, 1957

The only work done by the Applicant consisted of locating the claims and some small scale surface prospecting. No ore has been shipped from the property and no ore reserves are known to exist. The Applicant's desire to explore the property was based on the fact that he thought high-grade ore had been shipped from the adjoining property. Two truckloads had been shipped. However, it is possible that this ore was of only slightly higher grade than the last truckload which contained less than 0.10% U_3O_8. Moreover, the ore shipped was from the area showing the highest radioactivity on or adjacent to the subject property.

Conclusions & Recommendations:

This Division agrees with the field examiners that exploration of the subject property would not result in a significant discovery, and therefore it concurs in their recommendation to deny application DMEA-4424.

Ernest Wm. Ellis

Ernest Wm. Ellis, Director
Division of Rare and
Miscellaneous Metals

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DMEA
RECEIVED JUL 31 1957

DATE	INITIALS	CODE
7/31	C	220
"	RMM	700

July 30, 1957

4424

Uranium

Copper Spot Mines Company
Copper Spot Claims
Sevier County, Utah
$7,640

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member JP
Uranium Commodity Committee

Field Team Report

7/17/57 7/30/57

x

x

IN REPLY REFER TO:

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

July 30, 1957
Re: DMEA 4424
Copper Spot Mines Co.
Copper Spot Claims
Silver County, Utah
$7,640 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring beds of sandstone and shale in which are found fossilized dinosaur bones. The bones and a thin sandstone bed are weakly mineralized by uranium.

Shipments, three truckloads of the material, have been made from a 5-inch thick lens on the abutting claim. One truckload contained less than 0.10% U_3O_8. The grade of the other material is not recorded. The best grade material has been mined out and the prospect is idle.

In the opinion of the examiners, the small quantities of secondary uranium minerals that occur in the thin shale beds and dinosaur bones do not warrant the small amount of work proposed, and they recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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DMEA
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DATE	INITIALS	CODE
7/31	C	220
"	FMM	700
Complete		

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

July 22, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 25 1957

DATE	INITIALS	CODE
7/25	C	220
7/29	C	130 ~~210~~
		220
		~~700~~

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA 4424 (Uranium) Copper Spot Mines Company (Copper Spot Claims), Sevier County, Utah - Two Reports of Examination

Enclosed are the original and two copies of a Report of Examination on the subject property by M. M. Gilkey, USBM, and two copies of a Report of Examination on the subject property by Frank B. Moore, USGS.

The field examiners conclude that the probability for making a significant discovery is not sufficiently promising to justify Government participation. Accordingly, they recommend that the Applicant's work proposal be denied in which the Field Team concurs.

W H King
W. H. King
Executive Officer

ON-SITE EXAM.

Reviewed by
DMEA OPERATING COMMITTEE
7-29-57
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 12, UTAH

July 17, 1957

MINERAL DEPOSITS
DMEA
RECEIVED
JUL 18 1957
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

DMEA
DEPARTMENT OF THE INTERIOR
JUL 22 1957
REGION III
DENVER, COLORADO

TRANSMITTED
JUL 22 1957

To: W. H. King, Executive Officer, DMEA Field Team, Region III
Through: E. N. Harshman

From: M. M. Gilkey

Subject: Docket No. DMEA-4424 (Uranium), Copper Spot Mines Co., (Copper Spot Claims), Sevier County, Utah

Attached are 11 copies of an engineering report covering examination of the Copper Spot claims to appraise a request for DMEA assistance.

The applicant has requested a loan to perform work consisting of shaft sinking or vertical diamond drilling, or both. The estimated cost of the proposed project is $7,640.

Uranium mineralization on the Copper Spot property occurs in sandstone and shale believed to be part of the Brushy Basin member of the Morrison formation. The uranium is associated with a thin sandstone bed and also with fossilized dinosaur bones. Mineralization is too weak and limited in extent to warrant Government participation in exploration. Recommendation is made that the requested loan be denied.

One copy of the brochure is returned herewith. Also attached is an assay certificate showing the assay results of one sample taken on the property.

M. M. Gilkey
M. M. Gilkey

OFFICIAL RECORD
DMEA
RECEIVED
DATE

130
220

Reviewed by
DMEA OPERATING COMMITTEE
7-29-57
(date)

FOR UNITED STATES GOVERNMENT USE ONLY

TRANSMITTED

JUL 22 1957

COPPER SPOT MINES CO.
COPPER SPOT CLAIMS
SEVIER COUNTY, UTAH
DMEA-4424
Uranium

OFFICIAL FILE COPY
DMEA
RECEIVED

DATE		CODE
		130
		220

Engineering Report

By M. M. Gilkey
Mining Engineer
Bureau of Mines

July 17, 1957

Reviewed by
DMEA OPERATING COMMITTEE

7-29-57
(Date)

COPPER SPOT MINES CO.
COPPER SPOT CLAIMS
SEVIER COUNTY, UTAH

CONTENTS

	Page
Engineering report	
Summary and introduction	2
Location	3
Topography and climate	4
Extent and ownership	5
History, production, and ore reserves	5
Description of the deposits	5
Proposed exploration	7
Conclusions and recommendations	8

ILLUSTRATIONS

Fig. 1 Location map, Copper Spot Mines Co., Copper Spot Claims, Sevier County, Utah

Fig. 2 Claim map

SUMMARY AND INTRODUCTION

Copper Spot Mines Co. submitted, in August 1956, an undated application for Government aid in an exploratory project on uranium property in Sevier County, Utah. Several months' delay in processing the application resulted from attempts by DMEA to obtain additional information from the applicant. Later, during months of adverse weather, the property was inaccessible because of road conditions. The property was examined June 4 and 5, 1957, by Frank B. Moore of the Geological Survey, and M. M. Gilkey of the Bureau of Mines, with Silas O. Tanner representing the applicant.

The property consists of nine lode claims, in two groups. It is located in Sevier County, Utah, approximately 54 miles by road southeast of the town of Salina.

No ore has been produced from the claims, and there are no known ore reserves. Three types of uranium occurrences are found in and near the proposed project area. Weakly radioactive fossilized dinosaur bones are found on the property in a sandy shale. In an 8-inch bed of sandstone outcropping on one of the applicant's claims, weak uranium mineralization occurs in association with copper carbonate. An 18-inch bed of carbonaceous shale, that apparently extends into the applicant's property, contains secondary uranium mineralization in a small deposit about 40 feet outside the boundary. The uranium occurs in nearly horizontal or westerly dipping sedimentary strata thought to be in the upper part of the Jurassic Morrison formation

Total estimated cost of the proposed project is $7,640. The applicant's proposals include inclined shaft sinking, or vertical diamond drilling, to explore the carbonaceous shale bed within the project limits; and trenching, percussion drilling, and diamond drilling to explore the areas showing radioactive fossilized dinosaur bones and the outcropping bed of copper-stained sandstone.

The mineralization is too weak and too limited in extent to justify an exploratory project. Also, the presence of radioactive fossilized bones is not considered evidence of the existence of a genetically related ore body. It is therefore recommended that the request for Government assistance be denied.

LOCATION

The property is situated in the southeast corner of Sevier County, Utah, in T. 25 S., R. 5 E., in secs. 15, 21, 22 and 28 (fig. 1).

The nearest important town (by road) and source of supplies is Salina, Utah (pop. 1,789), shipping point on a branch line of the Denver and Rio Grande Railroad. Road directions from Salina to the property are as follows:

From the post office in Salina drive southeasterly on hard-surfaced Utah Highway 10 a distance of 35.0 miles. From this point, which is 2.0 miles east of the junction with Utah Highway 72, a side road leads southeast, then south, and finally west into the area of the Copper Spot claims. Four road junctions encountered in the 16.1 miles are located at 2.0, 7.0, 13.7, and 14.7 miles respectively from Highway 10. Take the right-hand fork at all four junctions. This road ends in Last Chance Canyon, on a

mining claim owned by Ellis Christiansen. One of the applicant's claims, Copper Spot No. 5, lies adjacent to the south side of the Christiansen property. The application is based principally on an exposure of mineralization on the Christiansen property, just south of the end of this road, and near the north side line of Copper Spot No. 5. Neither the Copper Spot No. 5 nor the adjoining Copper Spot No. 6 is accessible from the canyon road because of the 200-foot-high south wall of the canyon. The area of the south group of Copper Spot claims is accessible to four-wheel-drive vehicles, by way of Solomon's wash, the first gulch south of Last Chance Canyon. This second access road leads to the south at the junction located 14.7 miles from Utah Highway 10, follows a 4-mile semicircular route to the west, and ends in the vicinity of Copper Spot claim No. 9.

During wet weather dirt roads of the area may become impassable.

TOPOGRAPHY AND CLIMATE

The Copper Spot claims are located on the lower eastern slope of the rugged Fish Lake Mountain area. Estimated range of altitudes in the vicinity of the claims is from 6,000 feet, in box canyons cutting the nearly horizontal sedimentary formations, to 7,000 feet on high erosion cliffs. Road construction and exploration are hampered by the steep to precipitous slopes.

Vegetation consists principally of a sparse growth of juniper trees and greasewood.

Water is available in Last Chance Creek, some 4 miles by road from the property.

The climate is favorable for year-round project operation.

EXTENT AND OWNERSHIP

Property included in the proposed project comprises nine unpatented lode-mining claims, the Copper Spot Nos. 1 through 9 (fig. 2). The claims are recorded at Richfield, County Seat of Sevier County, Utah, in books of record Nos. 9, 10, and 14.

The property is owned by the applicant, a partnership consisting of Silas O. Tanner, address Sand Hill and Bond Road, Las Vegas, Nevada; and Betty M. Foster, address P. O. Box 3009, North Las Vegas, Nevada.

HISTORY, PRODUCTION, AND ORE RESERVES

The applicant reports that the Copper Spot claims were located in 1954 and 1955 by Silas O. Tanner, and that no prior locations had been made in the area. There has been no production from the property. Work accomplished to date consists of small-scale surface prospecting.

There are no known ore reserves on the claims.

It is reported by the applicant that two truckloads of ore of unknown grade have been shipped to the receiving station at Marysvale, Utah, from the adjoining Christiansen property. A third shipment from the Christiansen claim to Salt Lake City contained less than 0.10 percent U_3O_8.

DESCRIPTION OF THE DEPOSITS

Uranium mineralization occurs on the Copper Spot property in nearly horizontal shale and sandstone beds thought to be in the Brushy Basin member of the Jurassic Morrison formation.

On Copper Spot claim No. 2, weakly radioactive fossilized dinosaur bones are exposed in a 60- to 70-foot bed of light gray, sandy shale. The applicant states that radioactive bones are also found on Copper Spot

claims Nos. 1, 3, and 4. An 8-inch bed of slightly radioactive, light-brown sandstone outcrops in gray shale on claim No. 3. Uranium mineralization in the 8-inch sandstone bed is associated with spots of copper carbonate. The applicant reports that a selected sample of the copper-stained sandstone assayed 0.18 percent U_3O_8. No high radiometric readings were obtained by the examiners on the applicant's property.

Somewhat stronger uranium mineralization is exposed on the Ellis Christiansen property, just north of the north boundary of Copper Spot claim No. 5, at about 100 feet below the rim of the south wall of Last Chance Canyon. This exposure, inaccessible from the applicant's claim, has been explored by a 20-foot adit driven south toward the property line. According to the applicant, the property line is about 30 feet south of the face of the adit. The beds strike southerly and dip about 15° to the west. Carnotite and autunite occur in an 18-inch stratum of shattered carbonaceous shale interbedded with sandstone. The mineralization is confined to the bottom 2 to 5 inches of the shale, near a hard sandstone footwall, and is deposited as scales on fracture surfaces of the shale. Radiometric readings indicate that uranium occurs in a narrow zone strike-wise; no readings exceeding background were obtained in the adit beyond a point about 10 feet south of the portal. Dipwise, the deposit appears to have been bottomed by the adit. A few spots showing visible carnotite and autunite remain on the up-dip, or east side of the portal. A 5-inch channel sample of this assayed 0.503 percent U_3O_8. The examiners were informed that the last shipment from the adit contained less than 0.10 percent U_3O_8. The property is now inactive.

PROPOSED EXPLORATION

Project proposals presented in the application are vague and confusing. The total estimated cost is $7,640. Inasmuch as the property lacks sufficient merit to warrant an exploratory project, the proposals and cost estimate have not been revised.

Discussion of the proposed project at the time of examination revealed that the applicant had been interested mainly in exploring the southerly continuation, into Copper Spot claim No. 5, of mineralization exposed in the adit on the adjoining Christiansen property. The applicant planned to accomplish this objective either by sinking an inclined shaft to the mineralized stratum from a point on claim No. 5, just south of the adit, or by vertical diamond drilling in the same area (fig. 2). Vertical distance to the objective bed is approximately 100 feet. Prior to the examination the applicant had assumed that the adit exposes commercial ore to the face. After examining the adit, the applicant expressed the opinion that exploration proposed for this area is not justified.

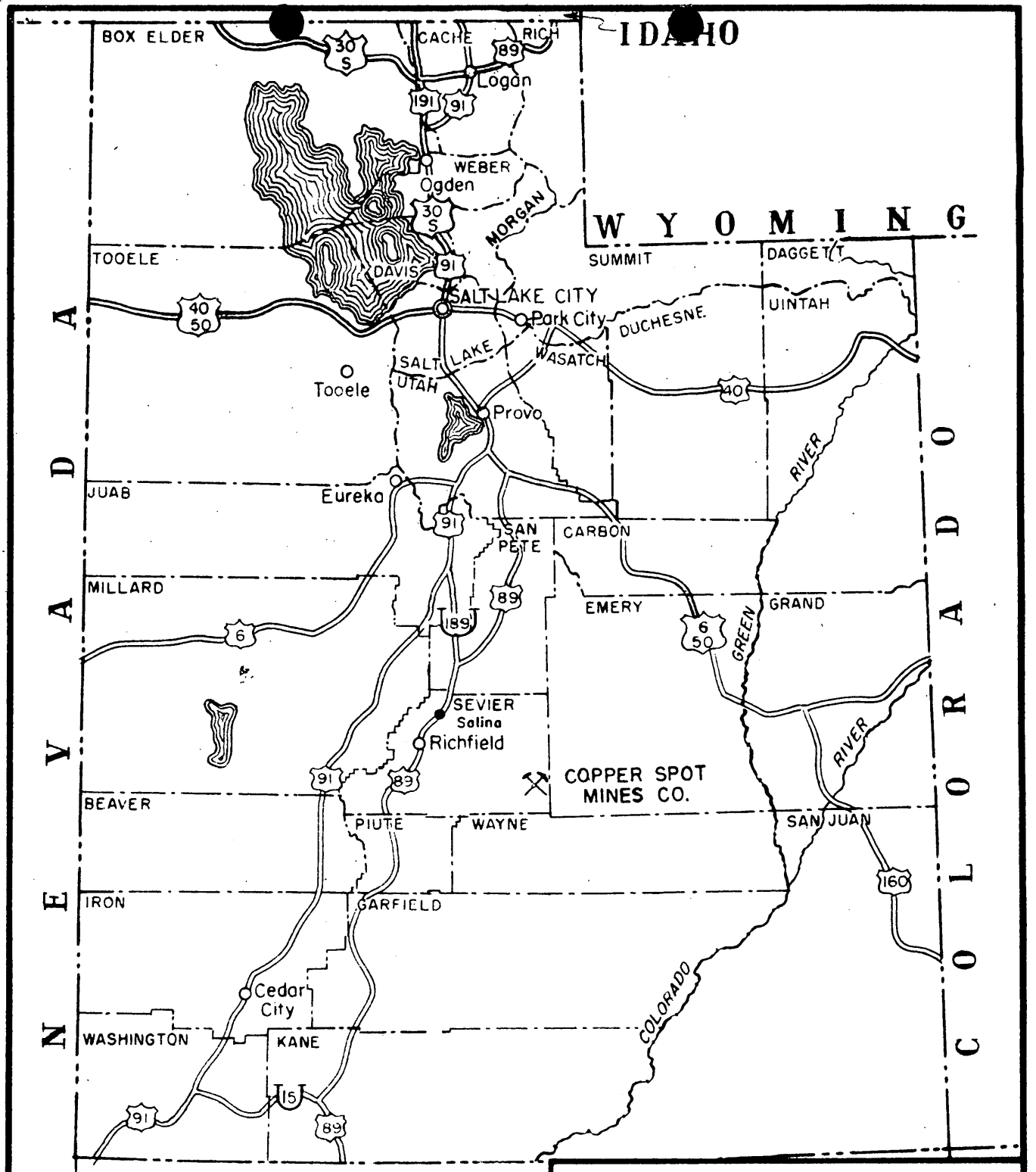
Additional exploration, involving trenching, percussion drilling, and diamond drilling is proposed for the southern group of claims, principally in areas where fossilized dinosaur bones are exposed. The applicant reports the presence of radioactive fossilized bones on Copper Spot claims Nos. 1, 2, 3 and 4. Exposures on claim No. 2 were examined. It is proposed by the applicant that these areas be explored to find the sources of uranium mineralization in the bones. The proposals also include surface and underground exploration on the 8-inch bed of copper-stained sandstone.

CONCLUSIONS AND RECOMMENDATIONS

Weak uranium mineralization is present in fossilized dinosaur bones exposed on Copper Spot claim No. 2. Similar exposures are reported on claims Nos. 1, 3 and 4. Slight radioactivity is noted in an 8-inch, nearly horizontal stratum of copper-stained sandstone outcropping on claim No. 3.

An 18-inch bed of carbonaceous shale explored on adjacent property contains carnotite and autunite approximately 40 feet north of the north boundary of Copper Spot claim No. 5. Radiometric readings taken in an adit drift driven along the strike of the carbonaceous shale bed, toward the applicant's property, indicate that mineralization is low grade and that this particular deposit is limited to the vicinity of the portal.

In view of the weakness and limited extent of uranium mineralization exposed on and adjacent to the applicant's claims, as well as the geologic infeasibility of exploration designed to find the source of uranium present in the fossilized dinosaur bones, it is recommended that the requested Government aid be denied.



U. S DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1 DMEA Docket No. 4424
Location Map

COPPER SPOT MINES CO.
COPPER SPOT CLAIMS
SEVIER COUNTY, UTAH

ENGINEER: Millard M. GILKEY	DATE: JULY 2, 1957
TRACED: JULY, 1957; A.P.T.S.	1900 - 437 - G
CHECKED:	

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA
DEPARTMENT OF THE INTERIOR
JUL 5 1957
DENVER, COLORADO

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

July 3, 1957

TRANSMITTED
JUL 22 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 4424 (Uranium), Copper Spot Mines Company (Copper Spot claims), Sevier County, Utah

Enclosed are the original and eight copies of a geologic report by Frank B. Moore, U. S. Geological Survey, covering his examination of the subject property.

The applicant proposed to explore the claims by drilling at an estimated cost of $7,640.

Very minor amounts of uranium are associated with dinosaur bones on the claims and with a thin Morrison shale bed to the north of the claims.

Moore concludes, and I concur, that exploration will not result in the discovery of significant amounts of uranium ore.

Denial of the application is recommended.

Original signed by
E. N. HARSHMAN

E. N. Harshman
Member, Field Team

Enclosures (9)

ENHarshman:mp

Reviewed by
DMEA OPERATING COMMITTEE

(8810)

FOR UNITED STATES GOVERNMENT USE ONLY

TRANSMITTED

JUL 22 1957

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

ORIGINAL FILE CO
DMEA
RECEIVED JUL 25 1

DMEA 4424

Copper Spot Mines Company

Copper Spot claims

Sevier County, Utah

Uranium

Geologic Report

by

Frank B. Moore, Geologist
Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE

(date)

July 2, 1957

CONTENTS

Page

Introduction and summary..... 1

Location and accessibility..... 2

Geology..... 3

Conclusions and recommendations..... 4

ILLUSTRATIONS

Figure — Follows page

1. Index map of Utah showing location of the Copper Spot claims, Sevier County..... 2

2. Claim map showing approximate locations of prospects, Copper Spot claims, Sevier County, Utah..... 5

DMEA 4424

COPPER SPOT MINES COMPANY
COPPER SPOT CLAIMS
SEVIER COUNTY, UTAH

INTRODUCTION AND SUMMARY

On August 16, 1956, Silas O. Tanner of the Copper Spot Mines Company applied for DMEA assistance to explore for uranium on the Copper Spot claims, Sevier County, Utah. The applicant wishes to explore the upper Morrison formation (Brushy Basin member) for autunite and carnotite. Unspecified amounts of bulldozer stripping and non-core drilling plus 500 feet of core drilling and an 85-foot incline adit were proposed. Cost of the program was estimated at $20,000.

Owing to insufficient information from the applicant, processing of the application could not be started until January 1957. Subsequent delays were caused by winter weather and the inability of the applicant to consummate a rendevous in April. The property was examined on June 4-5, 1957, by M. M. Gilkey, Bureau of Mines, and F. B. Moore, Geological Survey.

Little exploration work has been done on the Copper Spot claims. The chief justification for the application was a small prospect tunnel on a claim not owned by the applicant lying just north of the Copper

Spot No. 5 claim. This prospect was on a 5-inch thick lens at the bottom of an 18-inch shale bed. Small amounts of autunite, torbernite, and carnotite are present in the lens. In addition, dinosaur bones on Copper Spot No. 2 claim were slightly radioactive.

Because of the small size and low grade of the uranium occurrences, it is recommended that the application be denied.

LOCATION AND ACCESSIBILITY

The Copper Spot claims are in secs. 15 and 27, T. 25 S., R. 5 E., S.L.M., Sevier County, Utah (fig. 1). The property is reached as follows: From the Salina post office travel southeasterly on Utah State Highway 10 for 33 miles; turn right on gravel road (gravel ends in about 1 mile); at 34.7 miles bear right; at 42 miles keep right; at 48.7 miles turn right on side road; at 49.7 miles turn right by stream; at 50.8 miles is Christiansen's camp. About one-third mile up (or west) the canyon from the camp is a prospect adit on the south side of and 60 feet above the stream bed. The Copper Spot No. 5 claim is on top of the bluff a short distance (100-200 feet) south of the adit. A road ending near the Copper Spot No. 8 claim, and the only means of access to the claims by vehicle, was not accessible. This road can be reached by continuing straight (southerly) at 48.7 miles or bearing left at 49.7 miles.

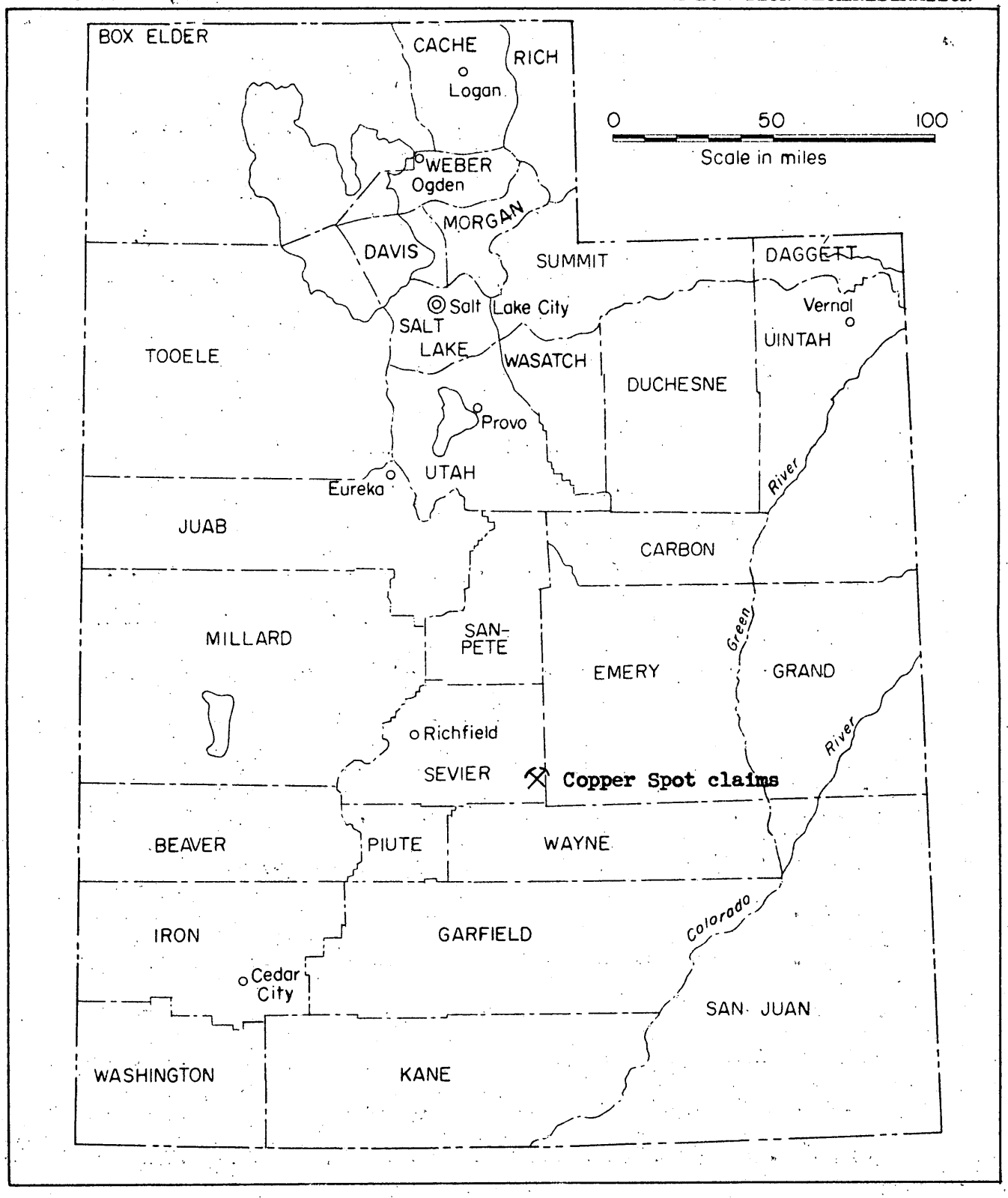


FIGURE 1—INDEX MAP OF UTAH **SHOWING LOCATION OF COPPER SPOT CLAIMS, SEVIER COUNTY**

Except under special conditions it is accessible only to jeeps or equivalent vehicles.

GEOLOGY

The Copper Spot claims Nos. 1 to 5 are in the upper (Brushy Basin) member of the Jurassic Morrison formation. According to Stokes, W. L. and Holmes, C. N. (Geology of portions of the High Plateaus and Adjacent Canyon Lands, Central and South-Central Utah, Intermountain Association of Petroleum Geologists, Fifth Annual Field Conference, 1954, p. 38-39) the Morrison is underlain by the Summerville formation and the Bluff sandstone. A conglomerate near the western edge of Copper Spot No. 2 is believed to be the Buckhorn conglomerate of the Cretaceous Cedar Mountain formation (see reference above, Katich, Jr., P. J., pp. 42-43). Although well exposed in a canyon just north of the claims, the various units of the Morrison could not be distinguished during the examination because of a heavy coating of "paint" washed down from soft red shales and mudstones above. On claim no. 2 large amounts of shale with red and green chert and dinosaur bones correlate well with the typical Brushy Basin member of the region.

The claims are on the southwest flank of the Last Chance anticline. The beds locally strike south to southeast and dip 15° westerly. No faulting is known in the area.

Three prospects were examined (fig. 2). A 20-foot prospect adit (not on the applicant's property) located about 100 feet north of the Copper Spot No. 5 claim boundary contained small amounts of autunite, torbernite, and carnotite at the bottom of an 18-inch shale bed. The uranium minerals coated fractures in the lower 5 inches of the bed for lateral distances of about 15 feet. Several small shipments were reportedly made from this prospect but the grade is believed to have been less than 0.20 percent U_3O_8. A 5-inch channel sample cut across the uranium-bearing layer assayed 0.503 percent U_3O_8. The applicant believed that the uranium would extend under his property. However, there is no geologic evidence indicating that this mineralized zone continues beneath the applicant's property. A second propsect is in an area containing dinosaur bones. The bones gave readings of 1-1/2 times background on a Geiger counter but no uranium minerals were seen. The third propsect is in shale on a slope near the angle of repose for the shally fragments disengaged from bedrock. Thin beds or seams apparently contain small quantities of secondary copper minerals. No noticeable reaction was registered by the counter at this prospect.

CONCLUSIONS AND RECOMMENDATIONS

At the Copper Spot claims small quantities of secondary uranium minerals occur in thin shale beds and in dinosaur bones in the Brushy

Basin member of the Morrison formation. No structural controls for localization of the occurrences can be seen nor can the source of the uranium be determined.

Because of the small size and low grade of the occurrences and the lack of structural controls, it is doubtful if significant deposits of uranium can be found. It is therefore recommended that the application for DMEA assistance be denied.

DMEA
DEPARTMENT OF THE INTERIOR
MAY 2 - 1957
REGION III
DENVER, COLORADO

Box 64,
Salina, Utah.
April 29, 1957.

Mr. W. H. Traver, DMEA Executive Officer,
Denver, Colorado.

DMEA 4424

Dear Mr. Traver:

I regret very much the unfortunate chain of circumstances that prevented my being at Salina and the property, however, I could not help the breakdown of my truck and the Scedule of Mr. Wilkey would not allow him to wait longer.

I am here and doing the assessment work so I sure would appreciate it if you will get another date set to look over the property to approve the loan and I will remain here and meet the engineer anywhere at any time.

I do need to get it approved soon so I can continue the exploration and bring in this ore.

Thank you and thank the [illegible] pleased.

[illegible]

OFFICIAL FILE COPY
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RECEIVED MAY 10 1957

DATE	INITIALS	CODE
5/10	[illegible]	220
"	[illegible]	~~700~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 12, UTAH

March 1, 1957

DMEA
DEPARTMENT OF THE INTERIOR
MAR 1957
REGION

Mr. Silas O. Tanner
Sand Hill and Bond Road
Las Vegas, Nevada

Re: Docket No. DMEA-4424,
Copper Spot Mines Co.,
Sevier County, Utah

Dear Mr. T nner:

Your application for DMEA assistance under the above-referenced docket has been referred to this office for field investigation.

We will appreciate advice from you regarding the accessibility of the property at present and your availability to accompany the field examiners. It is probable that our field men will be available during the week of March 11 or March 18, 1957. We could arrange a meeting with you at Salina or at some other point nearer the property during the afternoon of March 11 or March 18, 1957.

Your prompt reply concerning the above information will be appreciated.

Very truly yours,

Stephen R. Wilson

Stephen R. Wilson,
Supervising Mining Engineer

cc: W. M. Traver
J. B. Clemmer

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df

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 6 1957

DATE	INITIALS	CODE
3-6	C	220
~~3-6~~	~~Murphy~~	700

cc TO
Sec
Harshman (2)

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

224 New Customhouse
Denver 2, Colorado

February 5, 1957

Memorandum

To: E. N. Barshman (2) w/copy of application, Chairman's letter and review

W. K. King (2) w/copy of application, Chairman's letter and review

From: DMEA Field Team, Region III

Subject: Docket DMEA 4424 (Uranium) Copper Spot Mines Company (Copper Spot claims) Sevier County, Utah.

Enclosed are a copy of the subject application in the amount of $7,640.00, its transmittal by the Chairman of the Operating Committee to the Executive Officer, supplemental data to the application, and review memoranda by W. P. Williams, USGS and James Paone, USBM. A field examination is considered advisable with a suitable covering joint Report of Examination if possible.

As mentioned by the Chairman, if the field examiners anticipate recommendation for a drilling project, bids for such work should be requested from the Applicant.

Please return the Bureau of Mines copy of the application with your Report of Examination.

2/12 C 220

DMEA Field Team, Region III

Original signed by
W. M. TRAVER

By W. M. Traver
Executive Officer

Enclosures
WMT:ytl
cc
Chmn. Op. Comm. (2) Wilson Docket 4424 Chron.

OFFICIAL FILE COPY DMEA RECEIVED FEB 13 1957		
DATE	INITIALS	CODE
2/13	C	220
"	Murphy	700

February 7, 1957

Memorandum

To: S. R. Wilson

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4424 (Uranium) Copper Spot Mines Company (Copper Spot claims) Sevier County, Utah

Enclosed please find the application for Copper Spot Mines Company, Docket DMEA 4424, in the amount of $7,640.00.

A field examination and suitable report are required. The completed report should be forwarded directly to the Executive Officer with a copy of the memorandum of transmittal to this office.

W. H. KING

W. H. King

Enclosures

cc: W. M. Traver (3)
E. N. Marshman (2)

DMEA
DEPARTMENT OF THE INTERIOR
FEB 8 1957
REGION III
DENVER, COLORADO

See Opr Comm (2)

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
2/5	Murphy	700
"	Ellis	700
2/6	Selfridge	130
"	Johnson	110
"	Whitenhead	100
2/8	C	220

700

FEB 7 1957

Mr. W. H. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Mines Company
Copper Spot Claims
Sevier County, Utah

Dear Mr. Traver:

Enclosed are copies of two self-explanatory letters, one by Silas O. Tanner, undated, the other by Ellis J. Christiansen, dated January 26, 1957, relating to the captioned application.

A map was submitted with Mr. Tanner's letter. However, as it did not show any different information than the one forwarded with the application, we have not made copies for distribution.

The subject application was referred to your office February 1, 1957.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GLB)

Enclosures

FMMurphy/izm/gla 2-5-57
cc to: Code 700, Mr. Murphy
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
AEC - Jack Kratchman

APPROVED:

Frank D. Lamb (GLB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GLB)
Member, Geological Survey

8623

DMEA 4424

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 4 1957

DATE	INITIALS	CODE
2-4	C	220
3/4	Murphy	700

Box 115,
Mercury,
Nevada.

Defense Minerals Exploration Administration,
Washington D. C.

Dear Mr. Ellis:

I enclose a letter from Ellis J. Christiansen who has been mining and shipping the ore thet is in the Last Chance Canyon Left or South Fork where his mining operation has continued South and looks like the main ore channel is under Copper Spot #5.

I ask him to make the facts available as to toe percent of the ore shipped as this may help to show you that there is a good chance to prove the ore under #5 by drilling 65' or running an incline down if the drill proves the body is there.

I havent heard anything from my loan so I thought you might want more information.

I dont know if you want a Bureau of mines engineer or AEC Engineer to go look this over or perhaps you have already had some one there, if you are interested in that I will be glad to go with them in March or April as the weather is better for a trip then.

I am ansious to get the loan started as early as possible so I aan plan to get on the ground and do the work.

How is the proceeds disbursed: Do I preform part of the budget then draw against a voucher submitted or what is the method.

Thank you,

Respectfully,

Silas O. Tanner

Silas O. Tanner,
Docket DMEA 4424

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 4 1957

DATE	INITIALS	CODE

Payson, Utah.
January 26, 1957.

To: Defense Minerals Exploration Administration

From: Ellis J. Christiansen, President, Last Chance Mines

Subject: Copper Spot #5 and Copper Spot Mines Company.

I wish to state that I own the Last Chance Mining Claim thet makes part of a claim out of Copper Spot # 5 and in my opinion there should be good ore under the Copper Spot #5 for I have mined ore in the Canyon on the North Side of Copper Spot Claim #5 which went 2.72 % U308 and I have shipped ore from there that was about .64 %U308 the ore body appears to go directly under Copper Spot #5 and I have offered to lease this ground to prove the ore body which appears to continue from my property into #5.

I offered Mr. Silas O. Tanner this letter hoping that it would help establish the fact that he is in good Uranium country and perhaps it may help get this loan through.

If I was in position to do so at present I would not be afraid to loan my own money to prove this ore.

Respectfully,

Ellis J Christiansen

Ellis J. Christiansen,
Payson, Utah.

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
1-31	Murphy	700
1-31	[illegible]	700
2/1	Selfridge	130
"	Johnson	110
"	Mathews	100
		220

1 FEB 1957

Mr. Silas O. Tanner

Mercury, Nevada

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Claims
Sevier County, Utah

Nelson Lamb

Dear Mr. Tanner:

The application for assistance in exploring your property, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to:

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. U. [illegible] (for)

Administrator

FMMurphy/izm 1-31-57
cc to: SilasTanner, Las Vegas, Nevada address
Code 700
Mr. Murphy
Admr.'s Reading File
DMEA FT Reg. 3 (2)

[illegible]

OK this time — but let's get on the right track!

R.C.S.

8623

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
1-31	Murphy	700
1-31	[illegible]	700
2/1	Selfridge	130
"	[illegible]	110
"	Whitenday	100
2-4	C	220

700

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

1 FEB 1957

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Mines Company
Copper Spot Claims
Sevier County, Utah

Dear Mr. Traver:

The captioned application is referred to Region III Field Team for investigation, a field examination if deemed advisable, and recommendations.

Enclosed are copies of memoranda, dated January 15 and 25, 1957, by W. P. Williams, USGS, and James Paone, USBM, respectively, relating to the captioned application. Also enclosed for Field Team use are two copies of the application and additional information submitted on September 14 and October 16, 1956, and January 9, 1957. Copies of the Applicant's letter of December 13, 1956 were forwarded to your office.

In the event the Field Team recommends a drilling project on the subject claims, it should advise the Applicant that we will require copies of bids from three independent contractors for such work.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

Frank D. Lamb (FDL)
Member, Bureau of Mines

N. E. Nelson (NEN)
Member, Geological Survey

FMMurphy/izm 1-31-57
cc to: Code 700
Mr. Murphy
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, 3643
THKiilsgaard, 5224
JKratchman, AEC

R.C.S.

8623

OFFICIAL FILE COPY DMEA RECEIVED JAN 25 1957		
DATE	INITIALS	CODE
1-25	CW	220
1-25	Murphy	700
	✓	

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

Date January 25, 1957

DMEA Docket No. 4424
DMEA Contract No.
Commodity Uranium
Name of applicant Silas O. Tanner
Name of property Copper Spot claims
Location of property Sevier County, Utah
Estimated cost of project $20,000.

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: James Paone, Bureau of Mines Alternate Member JP
Uranium Commodity Committee

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

1. Date of subject document: 1/14/57. 2. Date received by reviewer: 1/21/57.

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

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

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

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

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) Mr. Jack Kratchman, Washington representative of the Atomic Energy Commission, assisted in the review.

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

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 18 1957

DATE	INITIALS	CODE
1-18	C	220
1-18	Murphy	700
January 15, 1957		

Complete

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of application, DMEA 4424, Silas O. Tanner, Copper Spot claims, Sevier County, Utah, (uranium).

The applicant proposes to explore for uranium ore deposits on two separate tracts totalling 10 mining claims. The property is located on the southwest flank of the San Rafael Swell where deposits are widely scattered although the applicant states that ore is present on some neighboring claims.

The application is vague and not well prepared. The applicant has been asked by DMEA for more information without significant success. A sample of carbonaceous shale submitted by the applicant gave a radiometric count about three times background with a La Roe Scintillometer.

The applicant's proposal is not specific but it can be gathered that he wishes to do 'dozer stripping, diamond drilling and possibly adit drifting.

I can see little to be gained by asking the applicant for more information. I recommend that the application be referred to the Field Team for appropriate action. If the Field Team has no specific information about the property a field examination will probably be required.

W. P. Williams

W. P. Williams

Docket 4424 - Uranium.

DATE	INITIALS	CODE
1-11-57	Murphy	700

Mercury, Nevada.
January 9, 1956.

Mr. Ernest Wm. Ellis, Chief Rare Metals Division,
Defense Minerals Exploration Administration,
Washington, D. C.

Dear Mr. Ellis:

I am sorry about the samples which I sent to the assay office in Salt Lake City during October, they were lost and I had my neighbor at the north end of the Copper Spot #5 take this sample from where he is drifting under Copper Spot #5 from the Last Chance Canyon and it is on my ground or very close to the line between our claims, for he has done considerable work in the form of a tunnel and his Last Chance #1 Joins Copper Spot #5 on the North.

My Copper Spot #5 goes over the canyon rim and he is working down in the canyon drifting toward my property and the better ore is at the north side of the Copper Spot number 5, this is where I would like to penetrate the ore body to prove that it is as good as the ore Christiansen is mining. His name is Ellis Christiansen, Payson, Utah is his mailing address.

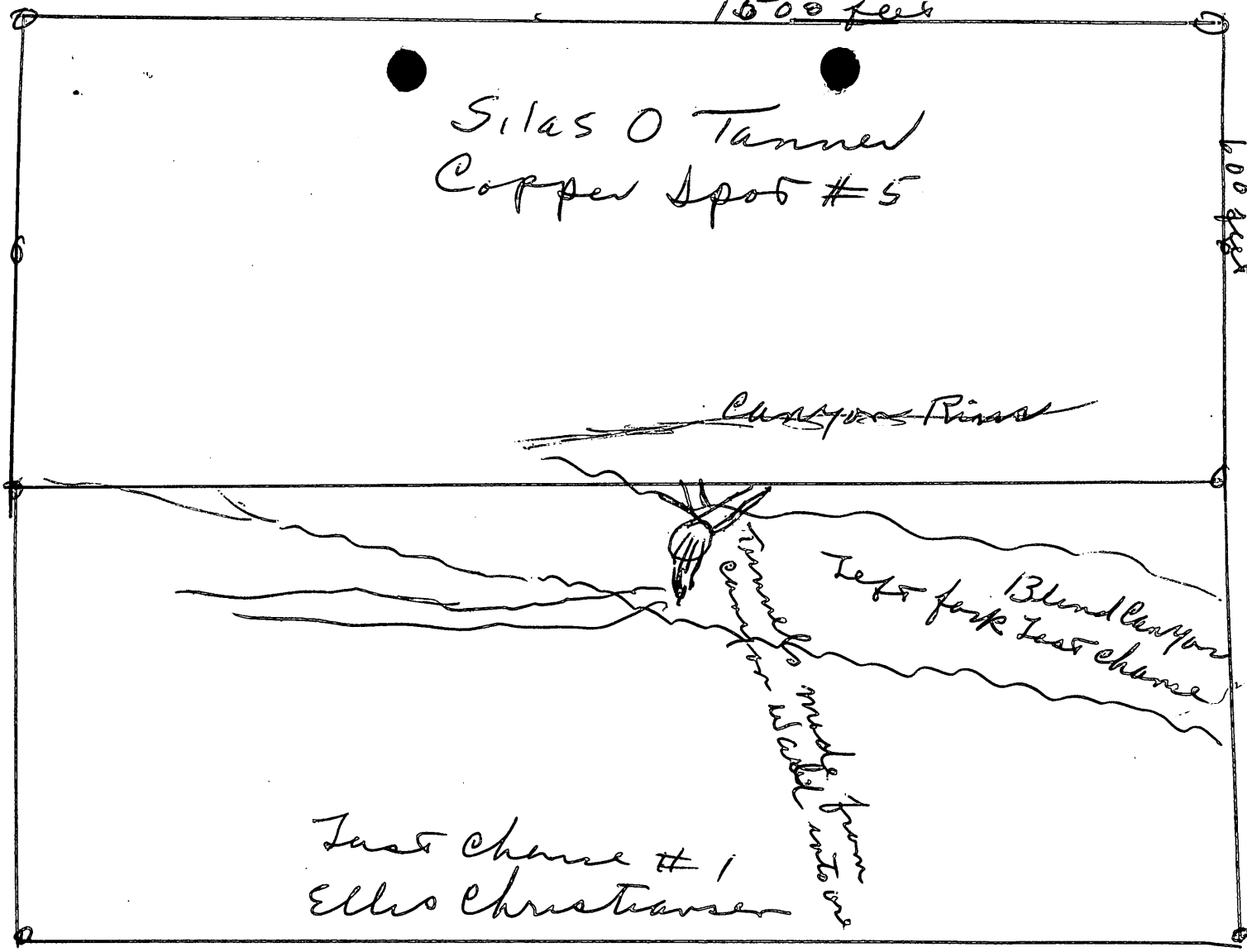
I enclose a small map of the ore body as it appears to run under my ground.

Thank you,

Respectfully,

Silas O Tanner

Silas O. Tanner,
Mercury, Nevada.



Canyon is 300 feet deep
Christiansen mine is 50 to 65 feet below rim.

North

West

Note pertenent data from this map sketched on copy of claim map forwarded to Field Team with referral letter. JMM.

700

FILE COPY
Surname
Murphy
Mathews

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

DEC 20 1956

Mr. Silas O. Tanner

Mercury, Nevada

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Claims
Sevier County, Utah

Dear Mr. Tanner:

This is to acknowledge receipt of your letter of December 13, 1956, and the four specimens of rock exposed on the Copper Spot claims.

In regard to the AEC drilling your property, this would not conflict with your application for DMEA assistance. Results obtained by the AEC in drilling are made available to this Agency upon request.

We note that you wish to explore your property as soon as possible, however, this Agency cannot expedite the processing of your application until you submit the assay results promised in your letters of October 16, and December 13, 1956.

We prefer not to hold an application in abeyance for an indefinite period of time, therefore, we suggest that you make every effort to submit the requested assay results as soon as possible.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/izm 12-20-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
DMEA Field Team, Reg. III w/ copies of incoming let. of Dec. 13 (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.L.S.

12/18/56

RECEIVED DEC 18 1956 D.M.E.A.

Murcury, Nevada.
December 13, 1956.

Defense Minerals Exploration Administration,
Mr. Ernest Wm. Ellis, Chief of Metals Division,
Washington, D. C.

Dear Mr. Ellis:

Yours of recent date received forwarded from Salina, Utah as I am working as an Auditor at the Nevada Test Site for the Winter or until the loan is approved. My Number is: DMEA-4424-Uranium.

I sent more samples from Copper Spot #2 to be assayed and will send your office one, I dont know that you are interested in actual samples, however, I will get the report to you from the one I sent to Salt Lake City very soon. Deason &. Nichols.

I am definately interested in proving this property as fast as I can for I want to know if we have good ore in quantity or not.

Does your office have any way to check on an AEC drilling I have thought about them if I can find a way to get them to drill the property,

Would this conflict with the loan if I try to get them to go on the property and run some test holes and cores?

Thank you for your cooperation in this matter.

Very truly yours,

Silas O. Tanner,
Mercury, Nevada.

Silas O Tanner

Copper Spot Mines Company,
Salina, Utah.

copies of this letter sent to Field Team 12/20/56 FMM

P. S. I usually send a 5# sample but for your office I am sending a small one for information as to character of Morrison Clay etc. There are the three definate types of uranium bearing rock in this box enclosed to show the character of each.

Note: One sample - shale (with carbonaceous trash) from Copper Spot #3, showed 3 x background count. FMM

700

Murphy
Ellis
Mittendorf

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

NOV 29 1956

Copper Spot Mines Co.
c/o Silas O. Tanner
P. O. Box 64
Salina, Utah

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Claims
Sevier County, Utah

Dear Mr. Tanner:

We have been holding the captioned application in abeyance pending receipt of the assay data mentioned in your letter of October 16, 1956. Will you kindly advise this office the approximate date we may expect to receive this information.

Sincerely yours,

SIGNED
Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/izm 11-28-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
DMEA Field Team, Reg. III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Silas O. Tanner, Sand Hill & Bond Rd., Las Vegas, Nevada

R.G.H.

10/22/56 gla

RECEIVED
OCT 22 1956

Copper Spot Mines Company,
Box 64, Salina, Utah.
October 16, 1956.

Docket DMEA 4424
Uranium
Sevier County, Utah.

Mr. Ernest Wm. Ellis, Chief Rare Metals Division,
Washington D. C.

Dear Mr. Ellis:

Your letter of September 20, 1956 about my loan application for proving the Copper Spot Mines should have been answered sooner, however I came to Las Vegas, and the mail was in Salina. Perhaps if you dont mind you would write me at Sand Hill & Bond Road, Las Vegas, Nevada until the loan is approved or we know definate as the winter and conditions up at the mine make it difficult to do much without more money.

I will answer the questions in order for #1 you will see marked on the reverse side of the map the dotted lines where we should strip. On the Copper Spot #5 Mr. Ellis Christiansen shipped some ore below us about 69 feet and if I remove some overburden while making a road along the front we can find out about the ore and get our equipment there to work. His ore was 1.24 % .

On Copper Spot 1,2,3, & 4 you will see the dots and this is a thick Salt Wash Morrison which has Dyno Bones sticking out that count and would go about 1% but the Morrison around it is not shipping grade Uranium.

I am still waiting for a return of the samples sent for analysis, however, they will be mailed as soon as we receive them. You ask about this in question #2 (a). (b) There is a small narrow streak of Uranium Carnotite sticking mostly to old roots and limbs that have been petrified or silica filled this is in the brushy Busin morrison white colored clay.

The Dinosauer Bones that count and are black colored stick out of the Salt Wash Morrison and I would like to explore this. I would rent a Gasoline hammer to save expense as the road does not go where I can get a compressor to this formation, however a gas hammer would blast it away until I prove the ore is worth more equipment being moved to the formation. I would do this before I stripped or did any other work. I believe I can expose more ore.

(c) the drill holes at first with the Gas Hammer will go six to 14 feet in order to blow off the morrison around those Dino Bones. I would like to make one drill hole on #5 about 70 feet so lets say 100 feet to prove the deposit.

Copper Spot Mines Company, Box 64, Salina, Utah.

(d) Itemized Breakdown of proposed work:

Stripping with bull Dozer 200 hours at 10.00 per hour	$2000.00
The above will include preparing drill sites.	
30 drill holes with Gasoline Hammer including the labor of operation --------Non-Core --- with about 1200 feet of non core tests at different places as shown on the map.	600.00
Labor and Supervision Al. Christensen of Grand Junction, Colorado has agreed to help me with his Diamond drill and experience at 18.00 per day. about 30 days. ------	540.00
Diamond Drilling on #5 100 feet and on the other claims 1,2,3,& 4 100 feet	600.00
Gasoline Hammer rental purchase agreement the rent will apply on purchase until paid in full. Exploration Equipment Company of Littleton, Colorado has a light weight unit P-60 S4 gasoline engine operated with blower at 656.00 and the freight etc.	700.00
Materials & supplies Food 500.00 Gasoline & Oil500xx ---------- 500.00	1000.00
Other necessary labor, pay roll & taxes	1200.00
Miscellaneous Items and unforseen repairs to truck, tractors or equipment. ----------	400.00
Miscellaneous equipment rental which may be needed later or truck driving, hauling etc.	600.00
Estimated cost of project ----------	7,640.00

Note the reason I ask for more in the beginning is so it can be approved and in case I need more money it would be considered soon or available.

Copper Spot Mines Company, Silas O Tanner
President,

Send to DEMA Docket # 4424 Uranium

Telephone ELgin 9-9962

DEASON & NICHOLS

ASSAYERS & CHEMISTS

C. Ivan Nichols Wm. J. Deason

160 So. West Temple Street

Salt Lake City 1, Utah

Mr. Silas O. Tanner
Mercury, Nevada
Via Sand Hill & Bond Road
Las Vegas, Nevada

December 21st, 1956

WE HAVE ASSAYED 1 SAMPLES

ASSAY PER TON OF 2000 POUNDS

DESCRIPTION	NO.	GOLD OUNCES	SILVER OUNCES	WET LEAD %	COPPER %	ZINC %	INSOL %	Uranium %	%	%	%
								U308			
								0.709			

CHARGES $ 5.00

C. Ivan Nichols

700

FILE COPY

Murphy

Mutterdoy

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

Copper Spot Mines Co.
c/o Silas O. Tanner
P. O. Box 64
Salina, Utah

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Claims
Sevier County, Utah

Dear Mr. Tanner:

Reference is made to our letter, dated September 20, 1956, relating to the captioned docket.

Action on your application is pending receipt of the information requested in above-mentioned letter. If you are no longer interested in the processing of this application, please advise us.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

izm 10-19-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
DMEA Field Team, Reg. III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

cc to: Silas O. Tanner, Sand Hill and Bond Road, Las Vegas, Nevada

P.C.L.

Surn[illegible] copy

700

Murphy
Ellis
Mutkeadey

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

Copper Spot Mines Co.
c/o Silas O. Tanner
P. O. Box 6[illegible]
Salina, Utah

SEP 2[illegible]

Re: Docket No. DMEA-4h2[illegible] (Uranium)
Copper Spot Claims
Sevier County, Utah

Dear Mr. Tanner:

This is to acknowledge receipt of the five copies of your letter, dated September 14, 1956, and the single copy of the claim map.

We note that this additional information only partly answers the points outlined in our letter of August 21. Therefore, we are returning the copy of the map to you with the following suggestions:

1. Indicate on the map the approximate locations where you propose to do the bulldozer stripping, the locations of the proposed drill holes, and the locations where the samples were taken.

2. Submit a narrative report containing the following information:

   (a) A description of the rock from which the samples were taken, the width and length of the sample cut, and the assay value of the sample, the latter to be supported by assay certificates, if available.

   (b) The name of the potential uranium-bearing formation which you wish to explore. From your application we presume this to be the Salt Wash member of the Morrison formation. If so, kindly verify and state whether or not the potential ore-bearing beds crop out within, or near, the claims.

   (c) The approximate depth of the drill holes required to penetrate the potential ore-bearing beds.

   (d) An itemized breakdown of the proposed work and the estimated costs, for example:

Stripping, bulldozer ___ hrs. @ $___/hr. $_____
Preparing drill sites, bulldozer ___ hrs.
@ $___/hr. _____
_____ feet non-core drilling @ $___/ft. _____
_____ feet core drilling @ $___/ft. _____
Labor, Supervision, and Consultants,
(itemize by day or month) @ $____ _____
Operating equipment:
itemize: Rental
Purchase
If owned, present value,
divided by 60 _____
Materials and supplies (itemize) _____
Miscellaneous
Payroll taxes, etc.
Total Estimated Cost of Project $_____

In order to expedite the processing of your application, kindly submit four (4) copies of each exhibit containing the above-requested information.

If you anticipate that you will require more than 30 days from the date of this letter in order to compile and submit the information, kindly advise this office the approximate date we may expect to receive it.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

Enclosure

FMMurphy/gla
9-18-56
cc to: Admr.'s Reading File
Dpeket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 5224
Code 700, Mr. Murphy
DMEA Field Team, Region III (2)

Docket # 4424

9/17/56 gla

Box 64,
Salina, Utah.
September 14, 1956.

RECEIVED
SEP 17 1956

DMEA-4424

Mr. Ernest Wm. Ellis, Chief, Rare Metals Division,
Washington, D. C.

Dear Mr. Ellis:

I have been South making required repairs to my equipment and this is the reason for delay in answering your letter. I will attempt to answer the questions as clear as possible:

The statement "We have the ore is taken from the adjoining piece of property. This is owned by Ellis Christiansen and he has been mining good ore so I am of the opinion it runs under my part of claim #5 in Section 15, Township 25 South, Range 5 East S.L.M. We will prove this from the proceeds of the loan, first by stripping with a bull dozer then mining or drilling over the vein.

As to the work being justified there is an exposure of 600 feet of low grade ore on the Riggs Claims north of Copper Spot 1, 2, 3, 4, 7, 8, & (9. I think the same ore or a better grade is in the Morrison on the Copper Spot Claims. This we will prove with a loan.

As to the method of application and the name Silas O. Tanner or Copper Spot Mines Company. The Copper Spot Claims are owned 51% by Silas O. Tanner and 49% by Betty M. Foster, Box 3009, North Las Vegas, Nevada. The Name Copper Spot was checked with the State of Utah and filed in the Sevier County so all business can be transacted under Copper Spot Mines Company.

The Equipment owned by Silas O. Tanner is a 1947 Ford Panel Truck, A 1947 Ford Dump Body Truck for hauling ore. A built up Compressor Model A Ford and Butane Tank with Pop off and Guage. One Jack Hammer, Some Steel. Powder two boxes left, Fuse, Caps, Small Tools & Welding Equipment. A Well Drill water type. Tank car for hauling water to the mine. I could not replace the equipment for less than 5000.00 however, the blue book value and estimates may be less.

Would you like four more maps? as I am enclosing one and can get more. Do you want some samples?

Thank you,

Respectfully,
Silas O Tanner
Copper Spot Mines Company,
Silas O. Tanner, President.

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

RECEIVED
SEP - 6 1956

Date 9/6/56

DMEA Docket No. 4424
DMEA Contract No.
Commodity Uranium
Name of applicant Silas O. Tanner
Name of property
Location of property Sevier County, Utah
Estimated cost of project $20,000.00

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

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

1. Date of subject document: none. 2. Date received by reviewer: 8/16.

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

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

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

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

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary)
Mr. Joseph O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

Su[illegible]me copy

700

Ellis
Johnson
Nottendorf

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

Copper Spot Mines Co.
c/o Silas O. Tanner
P. O. Box 64
Salina, Utah

AUG 21 1956

Re: Docket No. DMEA-4424 (Uranium)
Copper Spot Property
Sevier County, Utah

Gentlemen:

An examination of your above-docketed application for Government aid in an exploration project discloses that essential information which would enable us to process said application is lacking, namely:

1. A map or sketch, drawn to scale, whereon the following should be shown:

   (a) all the claims in the group you propose to explore;

   (b) the present workings drawn to the same scale as the claim map and in true relationship to the claim boundries;

   (c) the location of all samples taken, shown by sample reference number; and

   (d) the extent and location of all the proposed work. i.e., underground, bulldozing, and/or drilling, etc.

2. A narrative report containing the following information:

   (a) in reference to 1 (c) above, list the sample numbers shown on the map, state the assay results of each sample, and state the width across which the sample was cut; also include assay reports;

   (b) an itemized estimate of the cost of each category of work you propose to do;

   (c) justification for the proposed work in the area selected, i.e., possibilities of making a significant discovery of uranium ore; and

(d) list all the equipment you own which you plan to use in the work, noting after each item the present valuation thereof.

Please note that all of the above information should be supplied in quadruplicate.

While you have applied for aid in an exploration project, it is noted that the application states: "The ore is there but I need to develop the mine to remove it." In this respect, kindly note that this Agency does not enter into development and production contracts. We are authorized to furnish Government aid in exploration work only. I am enclosing our DMEA Order-1 Amended and a booklet of questions and answers which should reveal to you more clearly the extent to which we may be of assistance. If, after reading said information, you decide that you qualify for aid in an exploration project and will supply the necessary information requested herein, we will continue with the processing of your application. It will be appreciated if you will give us your decision within a reasonable length of time.

We have docketed your application under the name of the Copper Spot Mines Co., although your answer under "1. Name of applicant.- (a)" of the Form-103 you show your name as the Applicant. In your reply, kindly state whether you are applying as an individual or under the name of the above company.

Sincerely yours,

signed

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

Enclosures

EWEllis/gla
8-20-56
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JCHosted, Rm. 3210, GSA
Code 700, Mr. Ellis
DMEA Field Team, Region III (2)

Copy, with enclosures, to:
Silas O. Tanner
Sand Hill and Bond Road
Las Vegas, Nevada

August 16, 1956

Copper Spot Mines Co.
c/o Silas O. Tanner
Box 64
Salina, Utah

Subject: DMEA-4424
Re: Exploration Assistance
Copper Spots 1,2,3,& 4

Dear Mr. Tanner

The receipt of your application dated (application undated) for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4424 and referred to the Rare & Misc. Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Allen S. Dakan
[redacted], Chief
Operations Control and
Statistics Division

overnment Messenger Envelope

o. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Shipping 462a	RUN / STOP		RUN / STOP
B-143	RUN / STOP		RUN / STOP
Maye	RUN / STOP		RUN / STOP
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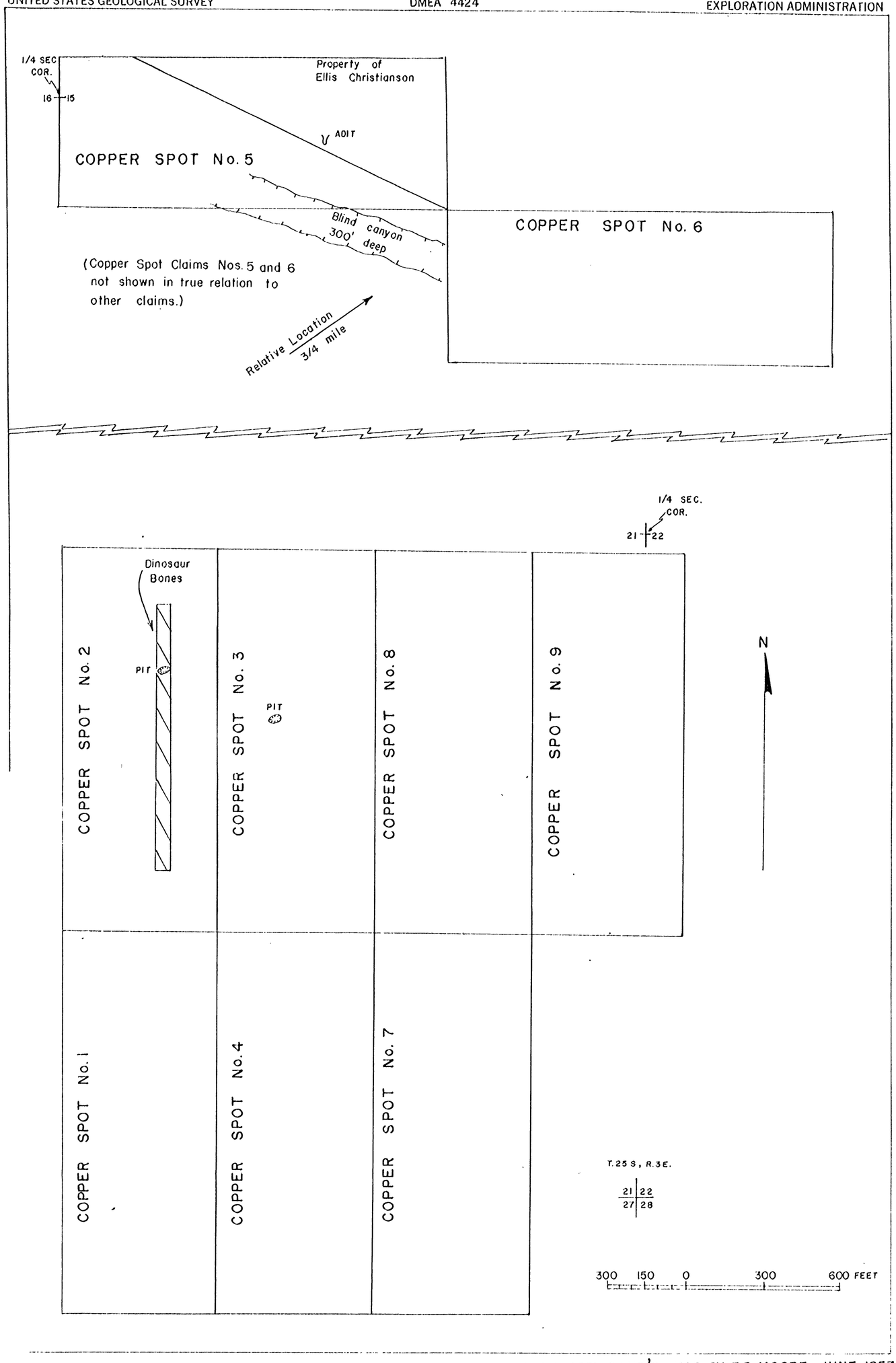
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
Kitwell Publications Rm 2653	RUN / STOP		RUN / STOP
Rm 315	RUN / STOP		RUN / STOP
Ellis Rm 2a	RUN / STOP		RUN / STOP
Rm 4449	RUN / STOP		RUN / STOP

envelopes to
for reissue.

Use other side

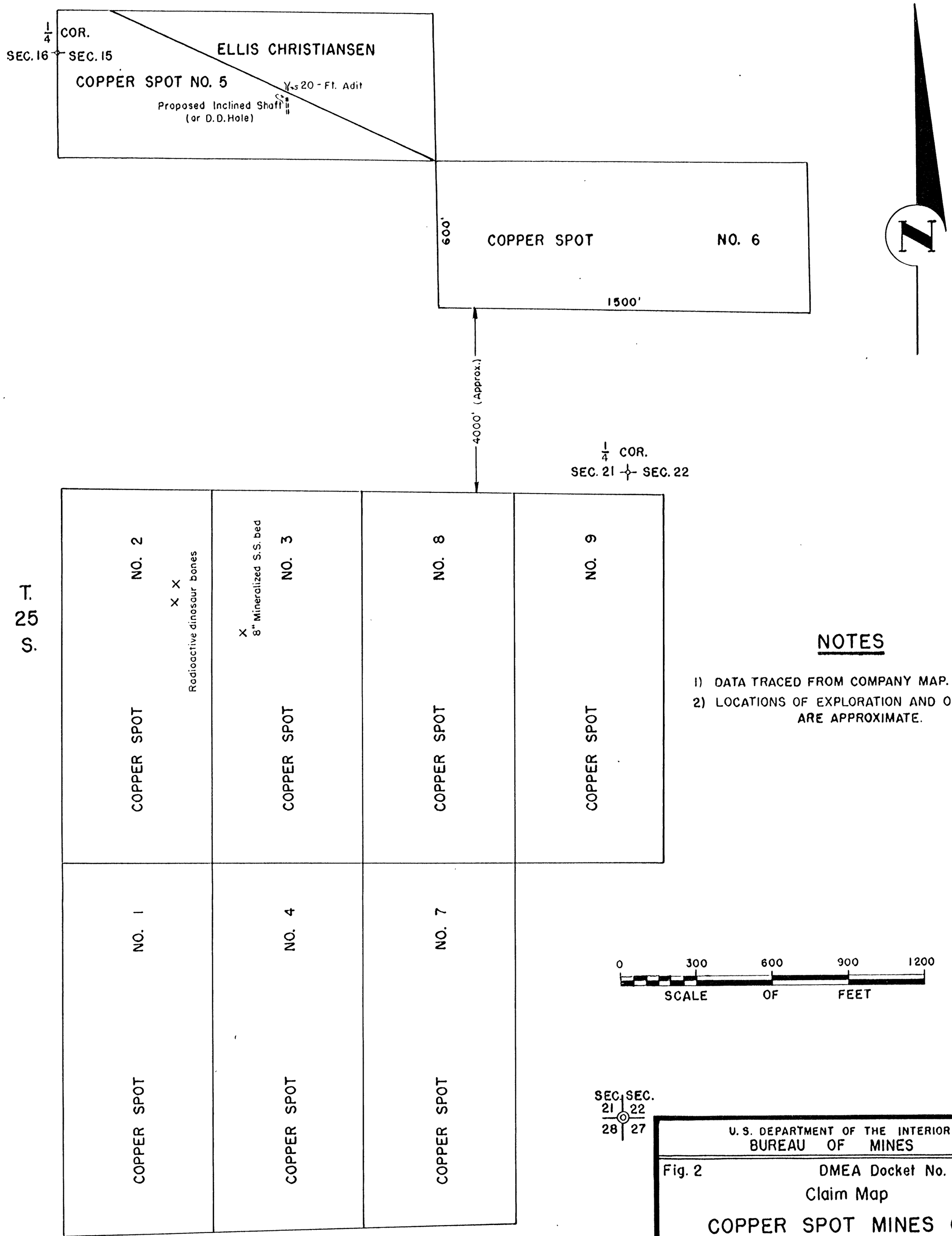
16—38949a-2

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.



MODIFIED FROM APPLICANT'S MAP BY F.B. MOORE, JUNE, 1957

FIGURE 2-CLAIM MAP SHOWING APPROXIMATE LOCATIONS OF PROSPECTS, COPPER SPOT CLAIMS, SEVIER COUNTY, UTAH



NOTES

1) DATA TRACED FROM COMPANY MAP.
2) LOCATIONS OF EXPLORATION AND OUTCROPS ARE APPROXIMATE.

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 2 DMEA Docket No. 4424

Claim Map

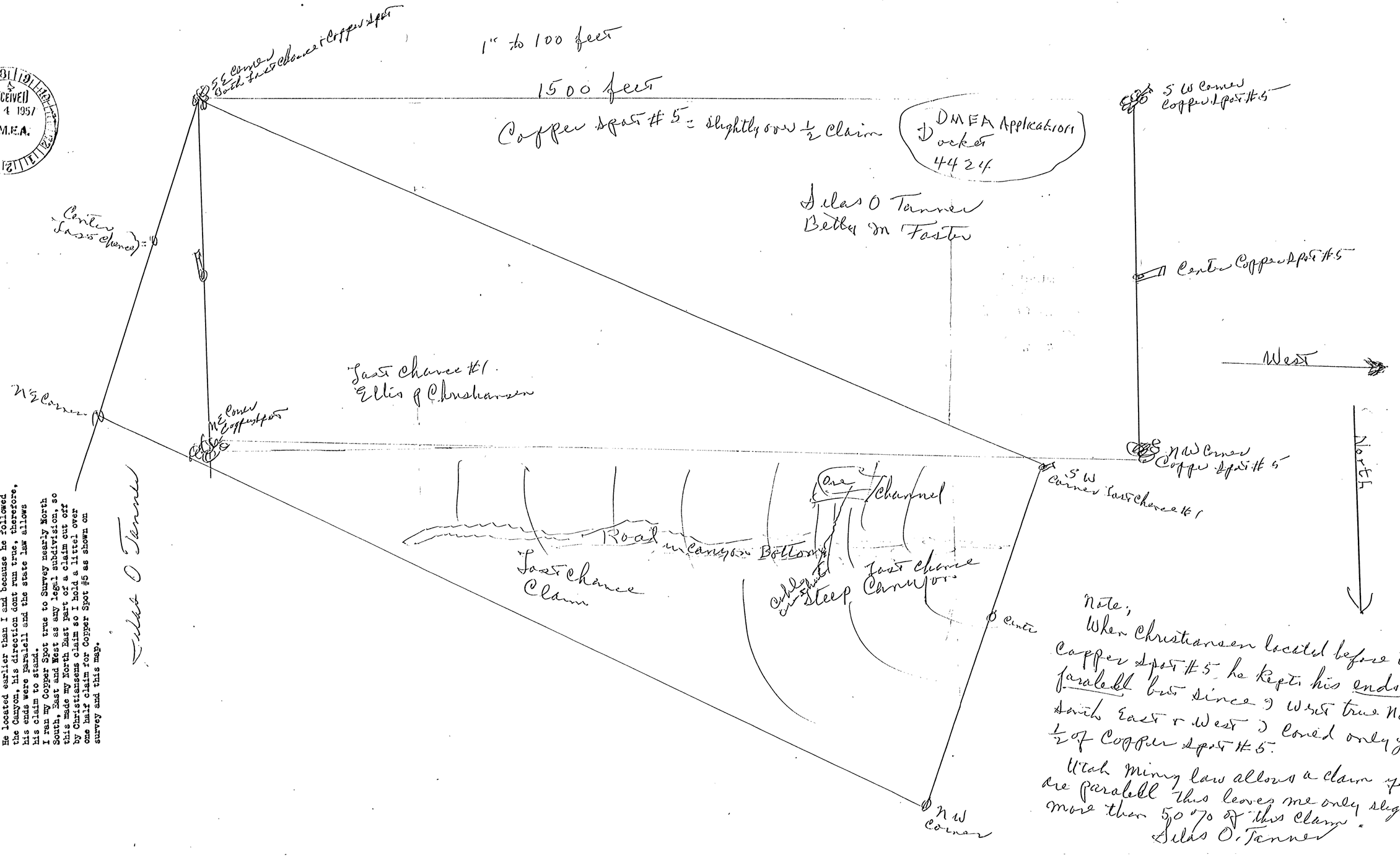
COPPER SPOT MINES CO.

COPPER SPOT CLAIMS

SEVIER COUNTY, UTAH

ENGINEER: Millard M. GILKEY	DATE: July 3, 1957
TRACED: July, 1957; by: A. P. T. S.	1900 - 438 - E
CHECKED:	

RECEIVED
FEB 4 1957
D.M.E.A.



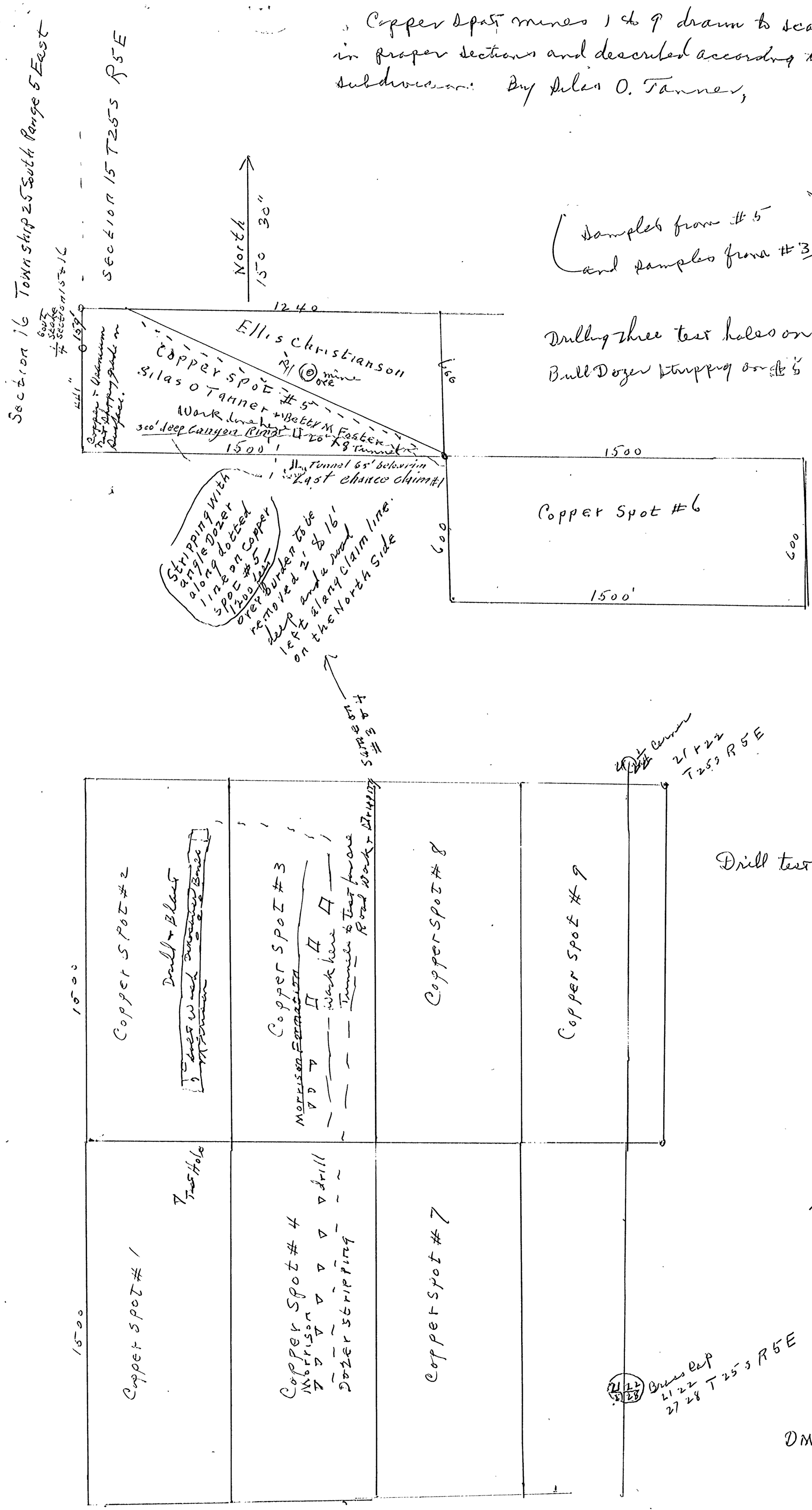
Note: This map sent to explain what Mr. Christiansen means by part of a claim.
He located earlier than I and because he followed the Canyon, his direction dont run true, therefore, his ends were parallell and the state law allows his claim to stand.
I ran my Copper Spot true to Survey nearly North South, East and West as any legal subdivision, so this made my North East part of a claim cut off by Christiansens claim so I hold a littel over one half claim for Copper Spot #5 as shown on survey and this map.

Note;
When Christiansen located before the Copper Spot #5 he kept his ends parallell but since I West true North South East & West I could only get 1/2 of Copper Spot #5.
Utah Mining law allows a claim if ends are parallell this leaves me only slightly more than 50% of this claim.
Silas O. Tanner

1

Copper Spot mines 1 to 9 drawn to scale of 1" to 300 feet in proper sections and described according to current legal subdivision. By Silas O. Tanner,

RECEIVED OCT 22 1956



(Samples from #5 and samples from #3) 20 N2 08 = 18 42 08

Drilling three test holes on #5

Bull Dozer stripping on #5

Drill test holes on #1 2 3 + 4

Note

Photograph this site

Copper Spot Mines Co
Silas O Tanner, Pres.
DMEA-Docket 4424

Note: Engineer drew Claims 1 thru 4 Scale of 1" to 400 feet Copper Spot #5 is a fraction and Copper Spot #6 is in Section 15 T25S R5E

While 1234789 are in Section 21 and 27 T25S R5 East

MINING CLAIM MAP

OF THE

COPPER SPOT GROUP

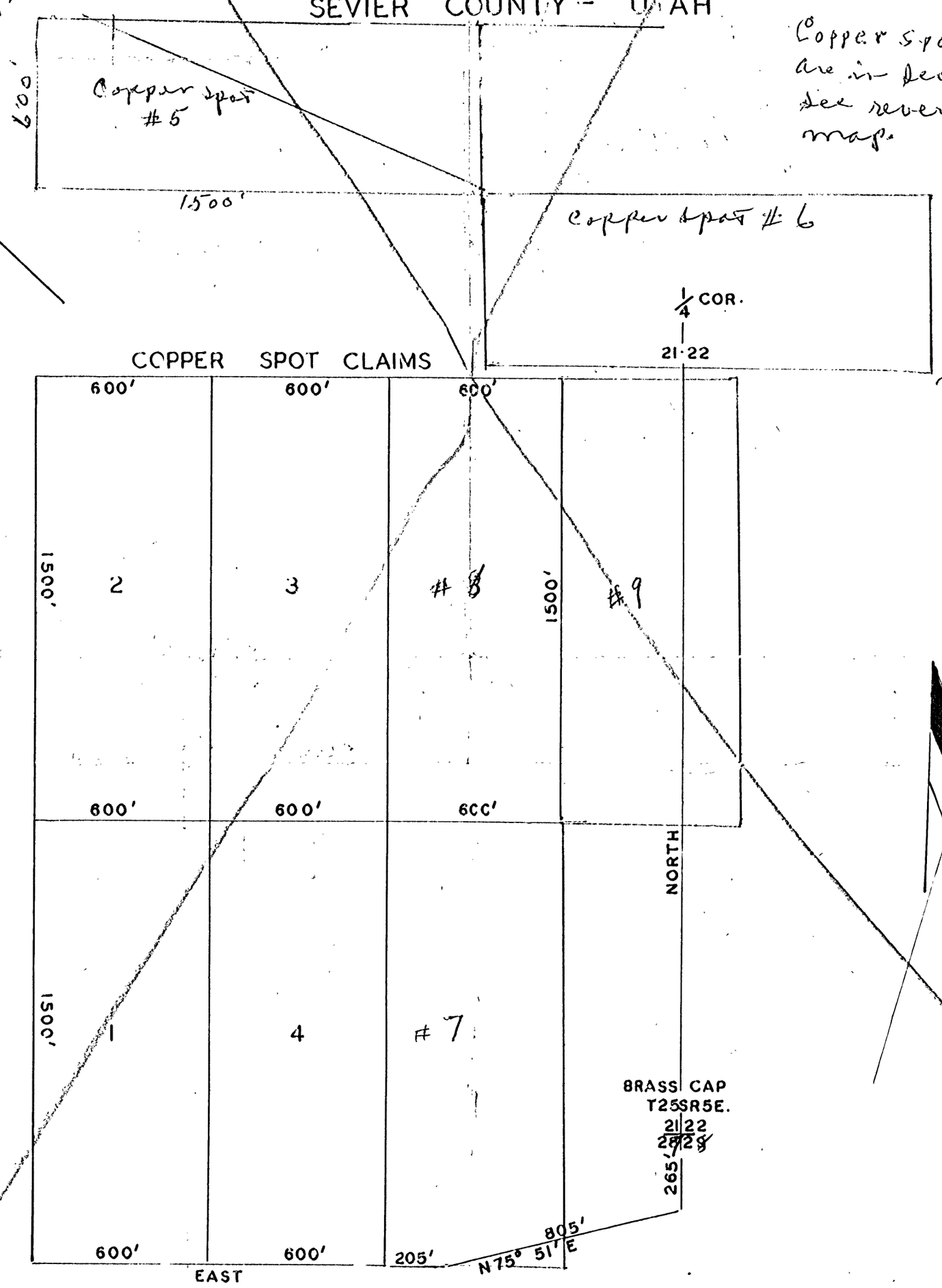
IN THE

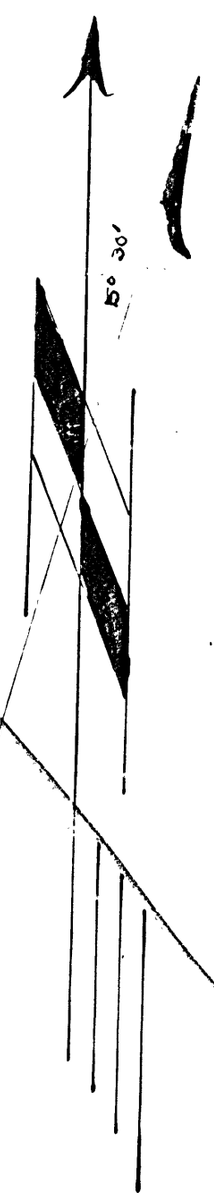
UNKNOWN MINING DISTRICT UNORGANIZED

#5 + 6 added for information only.

SEVIER COUNTY - UTAH

Copper Spot #6 + Fraction #5 are in Section 15 T25S R5E See reverse side for correct map.





0 600 1200

Scale 1" = 400'

TRANSIT - STADIA - SURVEY.

Do not use

REQUEST OF, SILAS. O. TANNER

I hereby certify that this is a true and correct map of these claims to the best of my belief, said map made from notes of a survey dated:

June 1956 Surveyed U. S. Gardner

Checked Harold J. Brown

License No. 1965