DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3332

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

Exploration Assistance

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

Cys to USBM & USGS

Routing Slip

To:	400	Date	5/4/54
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DO NOT DETACH

CONTROLLED DOCUMENT

Mr. Theodore A. Miller
Davidson and Nikoloric
Cafritz Building
Washington 6, D. C.

Re: Docket No. DMEA 333 - Tungsten
Gerald M. Fox & Dwight L. Schneider
Meadow Spring No. 1 & Gila Peak
Nos. 1 - 2 Claims
Churchill County, Nevada

Dear Mr. Miller:

This will acknowledge receipt on August 13 of your letter of August 3, 1954, stating that you have been instructed to request withdrawal of the subject application.

In accordance with your request, we have closed the subject docket, without prejudice, and transferred the application to our inactive files.

If at a future time the applicants wish to apply again for exploration aid on the subject property, reference should be made in their new application to the above docket number.

We wish to thank the applicants for their interest in the Defense Minerals Exploration Program and for bringing the referenced property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

Copy to: Messrs. Gerald M. Fox
& Dwight L. Schneider
1134 S. E. Holgate Street
Portland, Oregon

cc: Docket
Adm. Read. File
Field Team, Region 3
Code 400
R. W. Geehan, USBM
E. L. Newcomb, USGS

LScott 8/16/54

400

Mr. Theodore A. Miller
c/o Davidson & Nikoloric
Cafritz Building
Washington 6, D. C.

Re: Docket No. DMEA 3332 - Tungsten
Gerald M. Fox & Dwight E. Schneider
Meadow Spring No. 1 & Gila Peak
Nos. 1 through 6 claims
Churchill County, Nevada

Dear Mr. Miller:

Reference is made to the above-docketed application for exploration assistance and to our letters of May 6, June 15, and July 7, with regard to information required to process the subject application.

We wish to cooperate fully in the matter of allowing ample time for the submission of the requested information, but if these data are not received in Washington by September 15, 1954, we will transfer the referenced docket to the inactive files and consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
FT, Reg. III
Code 400
Adm. Reading File
R. W. Geehan, USBM
E. L. Newcomb, USGS

Copy to: Messrs. Gerald M. Fox
and Dwight E. Schneider
1730 S. E. Holgate Street
Portland, Oregon

FARutledge/ls
8/9/54

JUL 7 - 1954

Mr. Theodore A. Miller
c/o Davidson & Mikoleris
Cafritz Building
Washington 6, D. C.

Re: Docket No. DMEA 3332 - Tungsten
Gerald M. Fox & Dwight E. Schneider
Meadow Spring No. 1 & Gila Peak
Nos. 1 through 8 claims
Churchill County, Nevada

Dear Mr. Miller:

Reference is made to our letter of May 6, 1954, to Messrs. Fox and Schneider with regard to information needed to process their application for exploration assistance and to our letter of June 15, 1954, transmitting a copy of the above-referenced letter to you.

In the interest of expediting the Defense Minerals Exploration Program, it would be appreciated if you would provide us promptly with the requested information.

Sincerely yours,

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

FARutledge:fec
7-6-54
cc to: Docket
Code 400
Adm. Reading File
FT. Reg. III
R. W. Geehan, USBM
T. P. Thayer, USGS

JUN 25 1954

Mr. Theodore A. Miller
c/o Davidson & Mikularis
Cafritz Building
Washington 6, D. C.

Re: Docket No. [illegible] 3132 - Tungsten
Gerald M. Fox & Dwight E. Schneider
Shadow Spring No. 1 & Gila Peak
Nos. 1 through 5 claims
Churchill County, Nevada

Dear Mr. Miller:

Before receiving your letter of May 4, 1954, advising that the law firm of Davidson & Mikularis represents the applicants on the above-mentioned docket, we had written the applicants requesting additional information in regard to their application. We have not had a reply to that communication.

For your information, we are enclosing a copy of our letter of May 5, 1954, to the applicants and request that you obtain the desired information for us in order that we may process the application promptly.

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosure

Copy to: DOCKET
FIELD TEAM, REG. III
CORR 400
ADM. ASSD. FILE
R. W. GERMAN, USGS
T. P. THAYER, USGS

JHopkins/ls
6/24/54

MAY 10 1954

Messrs. Gerald M. Fox
and Dwight E. Schneider
1730 S. E. Holgate Street
Portland, Oregon

Re: Docket No. DMEA 3332-Tungsten
Meadow Springs No. 1 and
Gila Peak Nos. 1 - 8 claims
Churchill County, Nevada

Gentlemen:

We have received a communication from Theodore A. Miller of Davidson & Nikoloric advising us that their law firm represents the applicant under the above-docketed application for exploration assistance and that it would be appreciated if all communications concerning this matter be addressed to them at their Washington address.

If you desire that all correspondence relating to the referenced application, our docket No. DMEA 3332, be handled as suggested, it will be appreciated if you will so advise this Administration.

Sincerely yours,

K. O. Mittendorf

Administrator

Copy to: Mr. Theodore A. Miller
Davidson & Nikoloric
Cafritz Building
Washington 6, D. C.

cc: Docket
A Adm. Read. File
Code 400
Field Team, Reg.3

FARutledge/ls
5/7/54

400

cc: T. P. Thayer, USGS
Docket
Field Team, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan, USBM

MAY 6 - 1954

Messrs. Gerald M. Fox
& Dwight E. Schneider
1730 S. E. Holgate Street
Portland, Oregon

Re: Docket No. DMEA 3332 - Tungsten
Meadow Springs No. 1 and Gila Peak
Nos. 1 through 8 claims
Churchill County, Nevada

Gentlemen:

Your application for exploration assistance in exploring for tungsten on the referenced claims has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. No sampling widths are given for the two analyses which accompanied your application. To substantiate the occurrence of tungsten on your property and permit us to consider your application further, you should provide us with the following data:

(1) Description of the geologic features of the property, including mineralization, type of deposit, and your reasons for wishing to explore. Illustrate with maps or sketches. Include any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(2) Description of 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, and ore-bearing beds.

(3) Detailed estimate of the costs for each type of work proposed. When we approve use of an Operator's own equipment for a project, we usually make a use allowance of 1/60 of its estimated value per month, which in your case would be about $200.00 per month.

(4) Owner's Consent to Lien.

We will, therefore, hold your application in abeyance until the requested data have been received.

Sincerely yours,

FARutledge/ls
5/5/54

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

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

400

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 29 1954

April 26, 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

332

Dear Mr. Miller:

Enclosed please find a copy of a letter from Mr. L. A. Nikoloric to which is attached a copy of a DMEA application from Messrs. Gerald M. Fox and Dwight E. Schneider, 1730 S. E. Holgate Street, Portland, Oregon.

The application concerns a tungsten property in the Alpine mining district, Churchill County, Nevada. The application apparently was sent directly to Washington with one copy being mistakently referred to this office.

Sincerely yours,

Thor H. Kiilsgaard
Acting Member
DMEA Field Team, Region II

Enclosures

cc: DMEA (2)

(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
MAY 3 1954

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

Not to be filled in by applicant

Docket No. 3332
Metal or Mineral Tungsten
Date Received
Estimated Cost $47,790
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: Gerald E. Fox, 4730 S. E. Holgate Street, Portland, Oregon
Dwight E. Schneider, " "

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See Ex. A.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Purchaser by lease option attached. See Ex. B.

(*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. See Ex. B.

(*e*) If you own the land, describe any liens or encumbrances on it None.

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

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. None. Accessible about 10 days.

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

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

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

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

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

(*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. See Ex. D.

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

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

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: See Ex. D

(*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.). None.

(*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. See Ex. D.

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

(*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. See Ex. D.

(*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. Ex. D.

(*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. See Ex. D.

(*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 Ex. D. See Ex. D.

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

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

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

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

☒ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper. See Ex. D (additional cash as required)

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 [redacted], 195..

Gerald E. Fox
Dwight E. Schneider
(Applicant)

By [signature]

Dwight E. Schneider

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

Exhibit A

The legal description of the land for which application for exploration loan is made as contained in the Court House records, Fallon, Churchill County, Nevada follow:

GILA PEAK NO. 1. File No. 78666. Filed August 26, 1953. Alpine Mining District. 15½ miles from Dixie Valley and 3/4 miles Westerly Direction from Gila Peak. 1500 feet along course of mineral bearing ledge and 750 feet in width. Discovery work consists of cut 5 feet in an "S" shape. Monument is 10 feet in width, 12 feet in length and 3 feet deep.

GILA PEAK NO. 2. File No. 78667. Filed August 27, 1953. Situated approximately 16 miles from Dixie Valley and 1/4 mile in a Westerly Direction from Gila Peak. Claim runs 1500 feet in length by 750 feet in width. Location work approximately the same.

GILA PEAK NO. 3. File No. 78668. Filed August 27, 1953. Same as Gila Peak No. 2.

GILA PEAK NO. 4. File No. 78669. Filed August 27, 1953. Approximately 16½ miles from Dixie Valley and 1/4 mile in a Westerly Direction.

GILA PEAK NO. 5. File No. 78670. Filed August 27, 1953. 16 miles from Dixie Valley and 1/4 mile in a Westerly Direction from Gila Peak. 1500 feet in length by 600 feet in width and 1416 feet in a Northerly Direction.

GILA PEAK NO. 6. File No. 78671. Filed August 27, 1953. 1500 feet by 750 feet in a Southerly Direction and 1485 feet in a Northerly Direction.

GILA PEAK NO. 7. File No. 78682. Filed September 15, 1953. Runs 1500 feet by 1400 feet in a Northerly Direction and 600 feet in width.

GILA PEAK NO. 8. File No. 78673. Filed September 15, 1953. 1500 feet by 600 feet in a Southerly Direction and 1400 feet in a Northerly direction.

MEADOW SPRINGS NO. 1. File No. 78674. Filed September 12, 1953. 1500 feet by 750 feet Northwesterly Direction, 750 feet in a Southeasterly direction.

All of the above claims were filed for record at the request of John Barkley, Oct. 15, 1953 at 2:48 p.m., R. O. Barkley, witness.

These descriptions are subject to amendment after more accurate survey which will be made after access is possible later this spring. This should be possible in a matter of days.

C O P Y

Exhibit B

THIS LEASE AND OPTION, made and entered into this 11th day of January, 1954, between John Barkley, O. N. Edson and Ted Johansson, the latter by and thru his attorney in fact, R. O. Barkley, all of Fallon, Nevada, hereinafter called the lessors, and Gerald M. Fox and Dwight E. Schneider, of address 4452 Southeast Milwaukee St., Portland, Oregon,hereinafter called the lessees.

WITNESSETH: That the said lessors, for and in consideration of the rents, royalties, covenants and agreements hereinafter contained on the part of said lessees to be by them paid, kept and performed, do by these presents lease and let unto said lessees, for the purpose of mining, all and singular the following described lode mining claims, situate in the county of Churchill, state of Nevada, located in Alpine Mining District, known and described as Medow Spring No. 1, Gila Peak No. 1, Gila Peak No. 2, Gila Peak No. 3, Gila Peak No. 4, Gila Peak No. 5, Gila Peak No. 6, Gila Peak No. 7 and Gila Peak No. 8, together with the appurtenances thereof;

TO HAVE AND TO HOLD the said mining premises, together with the appurtenances, unto said lessee for the term of five (5) years from and after June 1, 1954, unless sooner terminated or forfeited as determined by the terms hereof.

In consideration whereof, said lessees hereby agree to pay to said lessors the sum of two hundred ($200.00) dollars, lawful money of the United States, on the execution of this instrument, the receipt whereof is hereby acknowledged; that

weather permitting, enter or cause to be entered the said leased mining premises for necessary road work, examination of the same, engineering and thorough testing of the property; that they will pay, or cause to be paid, to said lessors the sum of $150.00 during each of the months of April and May, 1954; that thereafter they will pay to said lessors a royalty of ten (10) percent of the net smelter or mill returns from the ores extracted from said leased premises, with the understanding that such returns are at least $300.00 for the month of June, 1954 and each and every month thereafter during the term of this lease; it being understood that if such returns are less than $300.00 lessees will pay lessors the difference, and if more than $300.00 lessors shall receive the excess thereof based on their ten (10) per cent royalties; that lessees will as soon as conditions permit and at the end of the aforesaid ninety (90) day period for such examination and the like, or before, enter upon said leased mining premises and work the same thereafter in a diligent, proper, skillful and minerlike manner necessary to good mining, with due regard to the safety, preservation and development of saidpremises as a workable mining property; that they will keep books of accounts showing the total tonnage of all ores shipped or sold, the value of all ores so extracted, treated, sold, reduced or shipped and such other mining data and information as are usually and customarily kept in connection with operations as are contemplated by the terms hereof; that

in all instances of such ores being treated, sold, reduced or shipped a duplicate of all mill or smelter returns shall be furnished to lessors; that all such records and accounts shall be open to inspection to said lessors or their authorized agents, at all reasonable times; that they will pay all labor, services, materials and supplies used and employed in connection with the operations hereunder and will permit said lessors to post and keep posted in said premises lessors' nonliability notice for any and all such labor, services, materials and supplies furnished lessees; that lessees will insure and keep insured all of their employees in the Nevada Industrial Commission, Carson City, Nevada, or like reliable agency; that they will make, swear to and record all affidavits that may be necessary to show that the annual amount of labor and cost of labor and improvements have been performed and done on said premises each year of the term hereof in compliance with the Federal law pertaining to the annual assessment work; that they will promptly upon receiving payments from mill or smelter from the proceeds of ore shipped and treated from said premises pay to each of said lessors his one-third part or share of the aforesaid 10% net royalties; and in like manner pay to lessors individually his share of the said payments ofand for the months of April and May, 1954.

It is understood and agreed by all of the parties hereto that any further claims located by any or more of the parties hereto adjacent or contiguous to the aforesaid mining claims shall be considered as included within the terms of this lease

and of the option hereinafter mentioned.

It is also understood by the parties hereto that by these presents lessors give to said lessees an option to purchase said mining premises for the sum of one hundred fifty ($150,000.00) thousand dollars, lawful money of the United States, at any time within five (5) years from and after June 1, 1954, provided such lease shall not be forfeited, terminated or abandoned, but rather that leassees shall duly make payments of said royaltied and perform each and all of the covenants and agreements herein contained on their part at the time and manner therein specified; that the payment of said purchase price shall be in cash, unless other terms shall be mutually agreed upon by the said parties, and after deducting from such purchase price all of the rents and royalties the said lessees shall have theretofore paid, or caused to be paid lessors hereunder; and that upon lessees paying said purchase price to lessors they agree to forthwith make, execute and deliver to said lessees a good and sufficient quit-claim mining deed of all of their right, title and interest in and to said mining premisesas well as to any other mining claims adjacent or contiguous thereto located by any or more of the paties hereto as hereinbefore mentioned.

It is also further understood and agreed that this lease is assignable and that the lessors shall have the right, personally, or by their authorized agents, to enter upon said leased mining premises at all reasonable times to inspect the same and the operations hereunder.

Upon the violation, failure, neglect or default by said lessees, or of any person or persons under them, of any of the payments, covenants or agreements heminbefore reserved, and after thirty (30) days written notice sent by registered mail to said lessees at their address aforesaid, unless another address be given lessor in writing, demanding said lessees' due payments and/or performance aforesaid and such violation, failure, neglect or default shall still continue and exist, then it is herein and hereby agreed that the term of this lease, and the right of option hereunder, shall thenand there expire, and the same with said mining premises and appurtenances thereof, shall become forfeited to said lessors, and said lessors, or their authorized agent, may thereupon after demand for possession, enter upon said leases premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of said lessors in any other manner and thereby have, hold and enjoy the said mining premises as in their first and former estate notwithstanding anything hereinbefore contained to the contrary, and said lessees' interest hereunder inall re spects become null, inoperative and void.

It is understood that the provisions of this lease and option shall apply to and bind the heirs, executors, administrators and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the said parties hereto have hereunto set their hands the day and year first above written.

Signed - John Barkley
By R. O. Barkley his attorney in fact

O. N. Edson
Ted Johanson
By R. O. Barkley his attorney in fact
LESSORS

Gerald M. Fox
Dwight E. Schneider
LESSEES

Exhibit C

C O P Y

MONTANA LABORATORY COMPANY

Chemists and Assayers

Phillipsburg, Montana, April 13, 1954

The following analyses were made for G. M. Fox

	% H_2O	Ozs. Silver Per Ton	Ozs. Gold Per Ton	% WO_3	% Mn.Dioxide	% Iron	% Lead	% Manganese
No. 1 Composite				5.820				
2 Fines				3.260				

% Silica	% Zinc

MONTANA LABORATORY COMPANY

By /s/ W. L. Dedenhart

Exhibit D

STATEMENT CONCERNING PROJECT

4(c and d).

The locations for which application is made are accessible via a main highway from Fallon, Nevada to Frenchman's Station thence to Eastgate (a total of about 60 miles). From Eastgate there is a county mountain road about twenty miles north to the base of the property. From this point, about three miles of new road are required.

The properties are at about an elevation of 8,000 feet. Free access will be possible towards the end of April, 1954.

The geology is indicated by the assay attached as Exhibit C. These samples were sent to this Laboratory at the suggestion of geologists attached to the Bureau of Mines. It is recognized that such assays may not be representative, but they were chosen by Mr. Fox as being representative.

The locations are immediately adjacent to a property that is now operating successfully and shipping tungsten ores to Vanadium Company. These were opened in October of 1953 and have averaged upwards of 3 3/4% tungsten.

Donald B. Heiskvan, Portland, Oregon, a recognized mining engineer, is familiar with applicants' locations and believes that they are part of the same structure described above. Mr. Heiskvan has had some 35 years of experience and was formerly employed as a metallurgist by the U. S. Bureau of Mines. His report regarding six samples submitted to him is attached to this Exhibit.

4(e).

There are adequate manpower, materials, supplies, equipment and water available. Water is available towards the base of the property, 1½ miles from the outcroppings. Manpower has been tentatively employed, equipment is owned by Mr. Schneider. Auxiliary power will be provided.

5(b).

The exploration work would consist of the following:

A road some three miles in length will be needed, in addition to further engineering and metallurgical work. It will also be necessary to properly explore and open up the present outcrops, to test the trend and deposition of the ore.

Some expense will be entailed in providing minimum but necessary crew quarters until sufficient ore is developed to warrant building of a permanent camp and possible mill.

5(b) (continued).

The consulting engineer will be James Wren of Sacramento, California, a registered mining engineer of long experience, and with particular knowledge of scheelite and tungsten development, and tungsten milling. He has successfully developed and operated, on a retainer basis, tungsten properties in Nevada.

Consulting metallurgist will be Donald B. Hoiekvan of Portland referred to above.

Attached hereto is a separate sheet projecting estimated costs of development and exploration. Applicants have not included any drilling program, as it is believed this work can later be performed from current ore production. The sums listed will provide sufficient capital for the ninety-day period of examination and from this point on, it is fully expected that sufficient ore production can be attained by that time to carry further costs from sale of shipping ore to either the mills at Gabbs, Nevada, or the Vanadium Co. at Bishop, California.

It should also be noted that most of the machinery listed on capital requirement has already been located and arrangements made to purchase at prices noted, upon break in the winter season.

It is desirous to commence this work at the earliest possible date. Anything that can be done to expedite the approval of the loan requested will be of material help in taking advantage of the somewhat short season this year, due to the elevation of 8,000 feet and the exceptional length of winter conditions this year.

COST ESTIMATE

Equipment

1	D4 Tracloader (used)	$ 5,000.00	
1	Air Compressor, 105 cu.ft. (used)	850.00	
1	" " , 165 " " (used) diesel	1,500.00	
1	1952 International pick-up truck (used)	900.00	
1	GMC 6 x 6 Truck with ore body (used)	1,250.00	
1	Koler Light Plant, small, A.C. for black lites, etc.	350.00	
1	House Trailer, used	650.00	
	Miscellaneous air hose, jack hammers, small pipe, etc.	800.00	
	Black lites (ore testing), etc.	340.00	
2	Tents, 16 x 16, for housing, with cots	250.00	
	Miscellaneous hand tools, fuel pumps, etc.	250.00	
	Preliminary equipment (Owned by Schneider) Total:		$ 12,040.00

Supplies and Operating Capital

Miscellaneous powder, fuses, caps, tool steel, etc.	1,000.00	
Gas, oil, diesel, etc.	1,500.00	
Groceries and supplies, etc.	1,250.00	
Road building, 3 mi., including D8 rental	3,000.00	
Engineering, field and metallurgical	3,000.00	
Miscellaneous repairs, parts	1,000.00	
Labor costs, trucking, ore hauling	15,000.00	
Reserve for unforeseen expenditures, i.e. timbering, drilling, etc.	10,000.00	
Total:		$ 35,750.00
Capital required: Grand Total:		$ 47,790.00

Total capital required:	$ 47,790.00
Applicants' contribution:	12,040.00
Loan application for amount of:	$ 35,750.00

C O P Y

Portland, Oregon
February 6, 1954.

A petrographic study was made on the six samples of ore you submitted.

The results are as follows:

Sample No. 1

A contact-metamorphic rock, essentially containing garnet, quartz, diopside, some scheelite, vesuvianite, calcite, relatively small amounts of graphite, limonite, pyrite, molybdenite, tremolite, actinolite and epidote. Part of the scheelite is molybdenum bearing. The graphite occurs mainly on the surfaces and veinlets, the molybdenite is finely disseminated.

Sample No. 2

A contact-metamorphic rock, essentially containing diopside, tremolite-actionolite, less quartz, some garnet, scheelite, calcite and small amounts of epidote, vesuvinite, sphene and limonite. The sample is highly silicified.

Sample No. 3

A contact-metamorphic rock, essentially containing calcite, quartz, garnet, scheelite, a relatively small amount of vesuvinite, and small amounts of biotite, tremolite-actinolite, diopside sphene, and a limonite stain. A small amount of the scheelite is a molybdenum bearing variety.

Sample No. 4

A contact-metamorphic rock that principally contains calcite, diopside and quartz. Also present are relatively small amounts of scheelite, vesuvinite, and a limonite stain.

Samples Nos. 5 & 6

These samples are mineralogically similar to Sample No. 3, except that a small amount of desseminated molybdenite was found in Sample No. 5.

From the study it is quite conclusive that all samples submitted have the same general composition.

Donald B. Hoiekvan

Exhibit E

GERALD M. FOX.

Age 56, Portland resident thirty-odd years; engaged in machinery business, and for past 10 years has operated restaurants in Portland. During these years has been engaged in mining ventures holding as minority interest only. Has considerable practical knowledge of mining properties in Oregon and the Northwest States. Has other small mining interests not under production.

DWIGHT E. SCHNEIDER.

Age 24, veteran of Korean War, wounded three times, evacuated and now discharged. Worked summers of 1947 and 1948 in the Koogerok Gold Field, Alaska, operating full mining camp and gold dredge. Charge of all personnel, thawing, bulldozing work and cost records, etc. During summer of 1950 was engaged in drilling and field exploration and development of gold properties in Peru, South America. Attended Mining School, University of Alaska during 1948 and 1949.

DONALD B. HOIEKVAM.

Consulting metallurgist, Portland, Oregon, 35 years experience. Formerly metallurgist, U. S. Bureau of Mines.

JAMES WREN.

Consulting engineer, Sacramento, California, registered mining engineer, with considerable experience with scheelite and tungsten developments.

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 10-12-55

REFERRED TO:

1. Mails & Files
2.
3.
4.

DMEA-3532
withdrawn

FOR:

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

REMARKS: Extra copies

Check (X) before the items needing attention.

gla
Initials of sender.

GPO 16—63815-1

400

DOCKET
Surname:
Martin

AUG 1 3 1954

Mr. Theodore A. Miller
Davidson and Nikoloric
Cafritz Building
Washington 6, D. C.

Re: Docket No. DMEA 3332 - Tungsten
Gerald M. Fox & Dwight E. Schneider
Meadow Spring No. 1 & Gila Peak
Nos. 1 - 8 claims
Churchill County, Nevada

Dear Mr. Miller:

This will acknowledge receipt on August 13 of your letter of August 3, 1954, stating that you have been instructed to request withdrawal of the subject application.

In accordance with your request, we have closed the subject docket, without prejudice, and transferred the application to our inactive files.

If at a future time the applicants wish to apply again for exploration aid on the subject property, reference should be made in their new application to the above docket number.

We wish to thank the applicants for their interest in the Defense Minerals Exploration Program and for bringing the referenced property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

Copy to: Messrs. Gerald M. Fox
& Dwight E. Schneider
1730 S. E. Holgate Street
Portland, Oregon

cc: Docket
ADm. Read. File
Field Team, Region 3
Code 400
R. W. Geehan, USBM
E. L. Newcomb, USGS

LScott 8/16/54

R

DAVIDSON & NIKOLORIĆ
CAFRITZ BUILDING
WASHINGTON 6, D. C.
DISTRICT 7-2101

C. GIRARD DAVIDSON
L. A. NIKOLORIĆ
ROBERT L. WEISS
THEODORE A. MILLER

PORTLAND, OREGON
EQUITABLE BUILDING
BEACON 4151

AUG 10 1954

August 3, 1954

Iron and Ferro-Alloys Division,
Defense Minerals Exploration Administration,
Department of the Interior,
Washington 25, D.C.

Re: Docket No. DMEA 3332--Tungsten; Gerald M. Fox and Dwight E. Schneider; Meadow Spring No. 1 and Gila Peak Nos. 1 through 8 claims; Churchill County, Nevada.

Attention: Mr. W.S. Martin

Gentlemen:

We have been instructed to request withdrawal of this loan application and accordingly hereby so request.

The partnership is currently working some other properties and finds itself without the manpower or financial resources to pursue this matter at this time.

It is further requested that this withdrawal be permitted without prejudice to its renewal at a future time.

Very truly yours,

DAVIDSON AND NIKOLORIC

Theodore A. Miller

Theodore A. Miller

400

DOCKET
Surname:
Rutledge
Martin

Mr. Theodore A. Miller
c/o Davidson & Nikoloric
Cafritz Building
Washington 6, D. C.

Re: Docket No. DMEA 3332 - Tungsten
Gerald M. Fox & Dwight E. Schneider
Meadow Spring No. 1 & Gila Peak
Nos. 1 through 8 claims
Churchill County, Nevada

Dear Mr. Miller:

Reference is made to the above-docketed application for exploration assistance and to our letters of May 6, June 15, and July 7, with regard to information required to process the subject application.

We wish to cooperate fully in the matter of allowing ample time for the submission of the requested information, but if these data are not received in Washington by September 15, 1954, we will transfer the referenced docket to the inactive files and consider the matter closed.

Sincerely yours,
C. O. Mittendorf

Administrator

cc: Docket
FT, Reg. III
Code 400
Adm. Reading File
R. W. Geehan, USBM
E. L. Newcomb, USGS

Copy to: Messrs. Gerald M. Fox
and Dwight E. Schneider
1730 S. E. Holgate Street
Portland, Oregon

FARutledge/ls
8/9/54

R.C.S.

400
Docket
Surname
Rutledge
Martin

JUL 7 - 1954

Mr. Theodore A. Miller
c/o Davidson & Mikuloris
Cafritz Building
Washington 6, D. C.

Re: Docket No. DMEA 3332 - Tungsten
Gerald M. Fox & Dwight E. Schneider
Meadow Spring No. 1 & Gila Peak
Nos. 1 through 8 claims
Churchill County, Nevada

Dear Mr. Miller:

Reference is made to our letter of May 6, 1954, to Messrs. Fox and Schneider with regard to information needed to process their application for exploration assistance and to our letter of June 15, 1954, transmitting a copy of the above-referenced letter to you.

In the interest of expediting the Defense Minerals Exploration Program, it would be appreciated if you would provide us promptly with the requested information.

Sincerely yours,

SIGNED

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

FARutledge:foc
7-6-54
cc to: Docket
Code 400
Adm. Reading File
FT. Reg. III
R. W. Geehan, USBM
T. P. Thayer, USGS

R.G.S.

Docket
Surname:

Hopkins
Martin

JUN 15 1954

Mr. Theodore A. Miller
c/o Davidson & Nikolovic
Cafritz Building
Washington 6, D. C.

Re: Docket No. DMEA 333P - Tungsten
Gerald M. Fox & Dwight E. Schneider
Meadow Spring No. 1 & Gila Peak
Nos. 1 through 3 claims
Churchill County, Nevada

Dear Mr. Miller:

Before receiving your letter of May 4, 1954, advising that the law firm of Davidson & Nikolovic represents the applicants on the above-mentioned docket, we had written the applicants requesting additional information in regard to their application. We have not had a reply to that communication.

For your information, we are enclosing a copy of our letter of May 5, 1954 to the applicants and request that you obtain the desired information for us in order that we may process the application promptly.

Sincerely yours,

O. O. Mittendorf (fw)

Administrator

Enclosure

Copy to: DOCKET
FIELD TEAM, REG. III
CODE 400
ADM. READ. FILE
R. W. GEEMAN, USBM
T. P. THAYER, USGS

JHopkins/ls
6/14/54

R.C.J.

IN REPLY REFER TO:

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

May 14, 1954

WSM

Memorandum

To: W. S. Martin, DMEA

From: P. W. Guild, USGS

Subject: DMEA-3332 - TUNGSTEN
Gerald M. Fox and Dwight E. Schneider
1730 S.E. Holgate Street, Portland, Ore.

Summary: The applicants have leased a group of nine claims, known as Gila Peak Nos. 1-8 and Meadow Springs No. 1, situated in the Alpine mining district in eastern Churchill Co., Nevada, which are alleged to contain tungsten mineralization. Two assays submitted with the application show 5.82 and 3.26 percent WO_3, respectively. Petrographic studies on six samples by Donald B. Hoiekvan indicate that the tungsten occurs as scheelite in a typical contact metamorphic assemblage of skarn minerals. The presence of some molybdenum was noted.

A total expenditure of $47,790 is proposed, to build 3 miles of access roads and "explore and open up the present outcrops".

Comments: The applicants did not submit maps or any adequate description of the geologic setting, mineralization, existing workings, if any, or any indication of what the samples represent. The proposed exploration is not described, and it is obvious that no definite plans have yet been drawn up. The general impression is that the loan would be used to assist in mine development rather than exploration, but nevertheless the area seems promising. Examination, mapping, and sampling might turn up worthwhile targets for exploration.

Recommendation: Refer the application to the Field Team for examination.

P W Guild

Copy retained 40

IN REPLY REFER TO:

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

May 14, 1954

Memorandum

To: W. S. Martin, IMEA

From: P. W. Guild, USGS

Subject: IMEA-3332 - TUNGSTEN
Gerald M. Fox and Dwight E. Schneider
1730 S.E. Holgate Street, Portland, Ore.

Summary: The applicants have leased a group of nine claims, known as Gila Peak Nos. 1-8 and Meadow Springs No. 1, situated in the Alpine mining district in eastern Churchill Co., Nevada, which are alleged to contain tungsten mineralization. Two assays submitted with the application show 5.82 and 3.26 percent WO_3, respectively. Petrographic studies on six samples by Donald B. Hoiekvan indicate that the tungsten occurs as scheelite in a typical contact metamorphic assemblage of skarn minerals. The presence of some molybdenum was noted.

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Recommendation: Refer the application to the Field Team for examination.

IN REPLY REFER TO:

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

May 14, 1954

Memorandum

To: W. S. Martin, IMEA

From: P. W. Guild, USGS

Subject: IMEA-3332 - TUNGSTEN
Gerald M. Fox and Dwight E. Schneider
1730 S.E. Holgate Street, Portland, Ore.

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

May 14, 1954

Memorandum

To: W. S. Martin, IMEA

From: P. W. Guild, USGS

Subject: IMEA-3332 - TUNGSTEN
Gerald M. Fox and Dwight E. Schneider
1730 S.E. Holgate Street, Portland, Ore.

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Comments: The applicants did not submit maps or any adequate description of the geologic setting, mineralization, existing workings, if any, or any indication of what the samples represent. The proposed exploration is not described, and it is obvious that no definite plans have yet been drawn up. The general impression is that the loan would be used to assist in mine development rather than exploration, but nevertheless the area seems promising. Examination, mapping, and sampling might turn up worthwhile targets for exploration.

Recommendation: Refer the application to the Field Team for examination.

1730 S E Holgate St.,
Portland, Oregon,
May 14th., 1954.

MAY 17 1954

Mr. C.O. Mittendorf,
Administrator,
Defense Minerals Exploration,
Washington 25 D.C.

WSAY

RE: Docket No. DMEA 3332-Tungsten
Meadow Springs No. 1 and
Gila Peak Nos. 1 - 8 claims
Churchill County, Nevada.

Dear Sir;

With reference to your letter of May 10th. advising that Mr. Theodore A. Miller of the firm of Davidson & Nikoloric have been retained by myself and Mr. Dwight E. Schneider, with reference to our loan application for the above named Tungsten properties, we wish to advise that this is correct.

We will therefor appreciate your sending all correspondence in this matter, concer ning Docket No. DMEA 3332, directly to Mr. Miller of the firm of Davidson & Nikoloric, Cafritz Building, Washington 6. D.C.

With sincere thanks for your courtesy in this matter, I am

Yours sincerely,

Gerald M. Fox and
Dwight E. Schneider,

cc to Mr Theodore A. Miller,
Davidson & Nikoloric,
Cafritz Bld'g.,
Washington 6 D.C.

400

Rutledge

MAY 1 0 1954

Messrs. Gerald M. Fox
and Dwight E. Schneider
1730 S. E. Holgate Street
Portland, Oregon

Re: Docket No. DMEA 3332-Tungsten
Meadow Springs No. 1 and
Gila Peak Nos. 1 - 8 claims
Churchill County, Nevada

Gentlemen:

We have received a communication from Theodore A. Miller of Davidson & Nikoloric advising us that their law firm represents the applicant under the above-docketed application for exploration assistance and that it would be appreciated if all communications concerning this matter be addressed to them at their Washington address.

If you desire that all correspondence relating to the referenced application, our docket No. DMEA 3332, be handled as suggested, it will be appreciated if you will so advise this Administration.

Sincerely yours,

C. O. Mittendorf

Administrator

Copy to: Mr. Theodore A. Miller
Davidson & Nikoloric
Cafritz Building
Washington 6, D. C.

cc: Docket
A Adm. Read. File
Code 400
Field Team, Reg.3

FARutledge/ls
5/7/54

RCS.

Docket

DAVIDSON & NIKOLORIĆ
CAFRITZ BUILDING
WASHINGTON 6, D. C.
REPUBLIC 6444

C. GIRARD DAVIDSON
L. A. NIKOLORIĆ
ROBERT L. WEISS
THEODORE A. MILLER

PORTLAND, OREGON
EQUITABLE BUILDING
BEACON 4151

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 - 1954

WSM

May 4, 1954

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

Re: DMEA-3332 (Fox + Schneider)

Gentlemen:

This is to advise you that this law firm represents the applicant under the above-mentioned Docket number.

It would be appreciated if all communications concerning this matter be addressed to the undersigned at the Washington address.

Very truly yours,

DAVIDSON & NIKOLORIĆ

Theodore A. Miller

Theodore A. Miller

400

Docket Copy
Rutledge
Martin
Mittendorf

cc: T. P. Thayer, USGS
Docket
Field Team, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan, USBM

MAY 6 - 1954

Messrs. Gerald M. Fox
& Dwight M. Schneider
1730 S. E. Holgate Street
Portland, Oregon

Re: Docket No. DMEA 3332 - Tungsten
Meadow Springs No. 1 and Gila Peak
Nos. 1 through 8 claims
Churchill County, Nevada

Gentlemen:

Your application for exploration assistance in exploring for tungsten on the referenced claims has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. No sampling widths are given for the two analyses which accompanied your application. To substantiate the occurrence of tungsten on your property and permit us to consider your application further, you should provide us with the following data:

(1) Description of the geologic features of the property, including mineralization, type of deposit, and your reasons for wishing to explore. Illustrate with maps or sketches. Include any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(2) Description of 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, and ore-bearing beds.

(3) Detailed estimate of the costs for each type of work proposed. When we approve use of an Operator's own equipment for a project, we usually make a use allowance of 1/60 of its estimated value per month, which in your case would be about $200.00 per month.

(4) Owner's Consent to Lien.

We will, therefore, hold your application in abeyance until the requested data have been received.

Sincerely yours,

FARutledge/ls
5/5/54

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

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

Defense Minerals Administration
RECEIVED
APR 29 1954

April 26, 1954

DMEA - 3332

WSM

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Dear Mr. Miller:

Enclosed please find a copy of a letter from Mr. L. A. Nikoloric to which is attached a copy of a DMEA application from Messrs. Gerald M. Fox and Dwight E. Schneider, 1730 S. E. Holgate Street, Portland, Oregon.

The application concerns a tungsten property in the Alpine mining district, Churchill County, Nevada. The application apparently was sent directly to Washington with one copy being mistakently referred to this office.

Sincerely yours,

Thor H. Kiilsgaard
Acting Member
DMEA Field Team, Region II

Enclosures

cc: DMEA (2)

Messrs. Gerald H. Fox
& Dwight E. Schneider
1730 S.E. Holgate St.
Portland, Oregon

May 4, 1954
Subject: DMEA-3332
Re: Exploration Assistance
Gila Peak No's 1 thru 8
& Meadow Springs No. 1

Gentlemen:

The receipt of your application dated April 21, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3332 and referred to the Iron and Ferro Alloys Division.

Kindly refer to DMEA-3332 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation's Control
and Statistics Division

Applicant's Local Representative

THEODORE A. MILLER

LAW OFFICES
DAVIDSON & NIKOLORIĆ
PORTLAND, ORE.-WASHINGTON, D. C.

715-716 CAFRITZ BUILDING
WASHINGTON 5, D. C.
REPUBLIC 6444

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 3 - 1954

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

Not to be filled in by applicant

Docket No. 3332
Metal or Mineral Tungsten
Date Received
Estimated Cost ~~$35,750~~ $47,790
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: Gerald M. Fox, 1730 S. E. Holgate Street, Portland, Oregon
Dwight E. Schneider, " " "

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See Ex. A.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Purchaser by lease option attached. See Ex. B.

(*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. See Ex. B.

(*e*) If you own the land, describe any liens or encumbrances on it None.

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

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. None. Accessible about 10 days.

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

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

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

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

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

(*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. See Ex. D.

(*c*) The work will start within 7 days and be completed within 3 months from the date of an exploration project contract.

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

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: See Ex. D

(*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.). None.

(*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. See Ex. D.

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

(*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. See Ex. D.

(*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. Ex. D.

(*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. See Ex. D.

(*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 Ex. D. See Ex. D.

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

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

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

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

[X] Money [X] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper. See Ex. D (additional cash as required)

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 April 21, 1954

Gerald M. Fox
Dwight E. Schneider
(Applicant)

By G M Fox
Dwight E. Schneider

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

Exhibit A

The legal description of the land for which application for exploration loan is made as contained in the Court House records, Fallon, Churchill County, Nevada follow:

GILA PEAK NO. 1. File No. 78666. Filed August 26, 1953. Alpine Mining District. 15½ miles from Dixie Valley and 3/4 miles Westerly Direction from Gila Peak. 1500 feet along course of mineral bearing ledge and 750 feet in width. Discovery work consists of cut 5 feet in an "S" shape. Monument is 10 feet in width, 12 feet in length and 3 feet deep.

GILA PEAK NO. 2. File No. 78667. Filed August 27, 1953. Situated approximately 16 miles from Dixie Valley and 1/4 mile in a Westerly Direction from Gila Peak. Claim runs 1500 feet in length by 750 feet in width. Location work approximately the same.

GILA PEAK NO. 3. File No. 78668. Filed August 27, 1953. Same as Gila Peak No. 2.

GILA PEAK NO. 4. File No. 78669. Filed August 27, 1953. Approximately 16½ miles from Dixie Valley and 1/4 mile in a Westerly Direction.

GILA PEAK NO. 5. File No. 78670. Filed August 27, 1953. 16 miles from Dixie Valley and 1/4 mile in a Westerly Direction from Gila Peak. 1500 feet in length by 600 feet in width and 1416 feet in a Northerly Direction.

GILA PEAK NO. 6. File No. 78671. Filed August 27, 1953. 1500 feet by 750 feet in a Southerly Direction and 1485 feet in a Northerly Direction.

GILA PEAK NO. 7. File No. 78682. Filed September 15, 1953. Runs 1500 feet by 1400 feet in a Northerly Direction and 600 feet in width.

GILA PEAK NO. 8. File No. 78673. Filed September 15, 1953. 1500 feet by 600 feet in a Southerly Direction and 1400 feet in a Northerly direction.

MEADOW SPRINGS NO. 1. File No. 78674. Filed September 12, 1953. 1500 feet by 750 feet Northwesterly Direction, 750 feet in a Southeasterly direction.

All of the above claims were filed for record at the request of John Barkley, Oct. 15, 1953 at 2:48 p.m., R. O. Barkley, witness.

These descriptions are subject to amendment after more accurate survey which will be made after access is possible later this spring. This should be possible in a matter of days.

C O P Y

Exhibit B

THIS LEASE AND OPTION, made and entered into this 11th day of January, 1954, between John Barkley, O. N. Edson and Ted Johanson, the latter by and thru his attorney in fact, R. O. Barkley, all of Fallon, Nevada, hereinafter called the lessors, and Gerald M. Fox and Dwight E. Schneider, of address 4452 Southeast Milwaukee St., Portland, Oregon,hereinafter called the lessees.

WITNESSETH: That the said lessors, for and in consideration of the rents, royalties, covenants and agreements hereinafter contained on the part of said lessees to be by them paid, kept and performed, do by these presents lease and let unto said lessees, for the purpose of mining, all and singular the following described lode mining claims, situate in the county of Churchill, state of Nevada, located in Alpine Mining District, known and described as Medow Spring No. 1, Gila Peak No. 1, Gila Peak No. 2, Gila Peak No. 3, Gila Peak No. 4, Gila Peak No. 5, Gila Peak No. 6, Gila Peak No. 7 and Gila Peak No. 8, together with the appurtenances thereof;

TO HAVE AND TO HOLD the said mining premises, together with the appurtenances, unto said lessee for the term of five (5) years from and after June 1, 1954, unless sooner terminated or forfeited as determined by the terms hereof.

In consideration whereof, said lessees hereby agree to pay to said lessors the sum of two hundred ($200.00) dollars, lawful money of the United States, on the execution of this instrument, the receipt whereof is hereby acknowledged; that

weather permitting, enter or cause to be entered the said leased mining premises for necessary road work, examination of the same, engineering and thorough testing of the property; that they will pay, or cause to be paid, to said lessors the sum of $150.00 during each of the months of April and May, 1954; that thereafter they will pay to said lessors a royalty of ten (10) percent of the net smelter or mill returns from the ores extracted from said leased premises, with the understanding that such returns are at least $300.00 for the month of June, 1954 and each and every month thereafter during the term of this lease; it being understood that if such returns are less than $300.00 lessees will pay lessors the difference, and if more than $300.00 lessors shall receive the excess thereof based on their ten (10) per cent royalties; that lessees will as soon as conditions permit and at the end of the aforesaid ninety (90) day period for such examination and the like, or before, enter upon said leased mining premises and work the same thereafter in a diligent, proper, skillful and minerlike manner necessary to good mining, with due regard to the safety, preservation and development of saidpremises as a workable mining property; that they will keep books of accounts showing the total tonnage of all ores shipped or sold, the value of all ores so extracted, treated, sold, reduced or shipped and such other mining data and information as are usually and customarily kept in connection with operations as are contemplated by the terms hereof; that

in all instances of such ores being treated, sold, reduced or shipped a duplicate of all mill or smelter returns shall be furnished to lessors; that all such records and accounts shall be open to inspection to said lessors or their authorized agents, at all reasonable times; that they will pay all labor, services, materials and supplies used and employed in connection with the operations hereunder and will permit said lessors to post and keep posted in said premises lessors' nonliability notice for any and all such labor, services, materials and supplies furnished lessees; that lessees will insure and keep insured all of their employees in the Nevada Industrial Commission, Carson City, Nevada, or like reliable agency; that they will make, swear to and record all affidavits that may be necessary to show that the annual amount of labor and cost of labor and improvements have been performed and done on said premises each year of the term hereof.in compliance with the Federal law pertaining to the annual assessment work; that they will promptly upon receiving payments from mill or smelter from the proceeds of ore shipped and treated from said premises pay to each of said lessors his one-third part or share of the aforesaid 10% net royalties; and in like manner pay to lessors individually his share of the said payments ofand for the months of April and May, 1954.

It is understood and agreed by all of the parties hereto that any further claims located by any or more of the parties hereto adjacent or contiguous to the aforesaid mining claims shall be considered as included within the terms of this lease

and of the option hereinafter mentioned.

It is also understood by the parties hereto that by these presents lessors give to said lessees an option to purchase said mining premises for the sum of one hundred fifty ($150,000.00) Thousand dollars, lawful money of the United States, at any time within five (5) years from and after June 1, 1954, provided such lease shall not be forfeited, terminated or abandoned, but rather that leassees shall duly make payments of said royaltied and perform each and all of the covenants and agreements herein contained on their part at the time and manner therein specified; that the payment of said purchase price shall be in cash, unless other terms shall be mutually agreed upon by the said parties, and after deducting from such purchase price all of the rents and royalties the said lessees shall have theretofore paid, or caused to be paid lessors hereunder; and that upon lessees paying said purchase price to lessors they agree to forthwith make, execute and deliver to said lessees a good and sufficient quit-claim mining deed of all of their right, title and interest in and to said mining premisesas well as to any other mining claims adjacent or contiguous thereto located by any or more of the parties hereto as hereinbefore mentioned.

It is also further understood and agreed that this lease is assignable and that the lessors shall have the right, personally, or by their authorized agents, to enter upon said leased mining premises at all reasonable times to inspect the same and the operations hereunder.

Upon the violation, failure, neglect or default by said lessees, or of any person or persons under them, of any of the payments, covenants or agreements hereinbefore reserved, and after thirty (30) days written notice sent by registered mail to said lessees at their address aforesaid, unless another address be given lessor in writing, demanding said lessees' due payments and/or performance aforesaid and such violation, failure, neglect or default shall still continue and exist, then it is herein and hereby agreed that the term of this lease, and the right of option hereunder, shall thenand there expire, and the same with said mining premises and appurtenances thereof, shall become forfeited to said lessors, and said lessors, or their authorized agent, may thereupon after demand for possession, enter upon said leases premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of said lessors in any other manner and thereby have, hold and enjoy the said mining premises as in their first and former estate notwithstanding anything hereinbefore contained to the contrary, and said lessees' interest hereunder inall re spects become null, inoperative and void.

It is understood that the provisions of this lease and option shall apply to and bind the heirs, executors, administrators and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the said parties hereto have hereunto set their hands the day and year first above written.

Signed - John Barkley
By R. O. Barkley his attorney in fact

O. N. Edson
Ted Johanson
By R. O. Barkley his attorney in fact
LESSORS

Gerald M. Fox

Dwight E. Schneider

LESSEES

Exhibit C

C O P Y

MONTANA LABORATORY COMPANY

Chemists and Assayers

Phillipsburg, Montana, April 13, 1954

The following analyses were made for G. M. Fox

	% H_2O	Ozs. Silver Per Ton	Ozs. Gold Per Ton	% WO_3	% Mn.Dioxide	% Iron	% Lead	% Manganese
No. 1 Composite				5.820				
2 Fines				3.260				

% Silica	% Zinc

MONTANA LABORATORY COMPANY

By /s/ W. L. Dedenhart

Exhibit D

STATEMENT CONCERNING PROJECT

4(c and d).

The locations for which application is made are accessible via a main highway from Fallon, Nevada to Frenchman's Station thence to Eastgate (a total of about 60 miles). From Eastgate there is a county mountain road about twenty miles north to the base of the property. From this point, about three miles of new road are required.

The properties are at about an elevation of 8,000 feet. Free access will be possible towards the end of April, 1954.

The geology is indicated by the assay attached as Exhibit C. These samples were sent to this Laboratory at the suggestion of geologists attached to the Bureau of Mines. It is recognized that such assays may not be representative, but they were chosen by Mr. Fox as being representative.

The locations are immediately adjacent to a property that is now operating successfully and shipping tungsten ores to Vanadium Company. These were opened in October of 1953 and have averaged upwards of 3 3/4% tungsten.

Donald B. Hoiekvan, Portland, Oregon, a recognized mining engineer, is familiar with applicants' locations and believes that they are part of the same structure described above. Mr. Hoiekvan has had some 35 years of experience and was formerly employed as a metallurgist by the U. S. Bureau of Mines. His report regarding six samples submitted to him is attached to this Exhibit.

4(e).

There are adequate manpower, materials, supplies, equipment and water available. Water is available towards the base of the property, 1½ miles from the outcroppings. Manpower has been tentatively employed, equipment is owned by Mr. Schneider. Auxiliary power will be provided.

5(b).

The exploration work would consist of the following:

A road some three miles in length will be needed, in addition to further engineering and metallurgical work. It will also be necessary to properly explore and open up the present outcrops, to test the trend and deposition of the ore.

Some expense will be entailed in providing minimum but necessary crew quarters until sufficient ore is developed to warrant building of a permanent camp and possible mill.

5(b) (continued).

The consulting engineer will be James Wren of Sacramento, California, a registered mining engineer of long experience, and with particular knowledge of scheelite and tungsten development, and tungsten milling. He has successfully developed and operated, on a retainer basis, tungsten properties in Nevada.

Consulting metallurgist will be Donald B. Hoiekvan of Portland referred to above.

Attached hereto is a separate sheet projecting estimated costs of development and exploration. Applicants have not included any drilling program, as it is believed this work can later be performed from current ore production. The sums listed will provide sufficient capital for the ninety-day period of examination and from this point on, it is fully expected that sufficient ore production can be attained by that time to carry further costs from sale of shipping ore to either the mills at Gabbs, Nevada, or the Vanadium Co. at Bishop, California.

It should also be noted that most of the machinery listed on capital requirement has already been located and arrangements made to purchase at prices noted, upon break in the winter season.

It is desirous to commence this work at the earliest possible date. Anything that can be done to expedite the approval of the loan requested will be of material help in taking advantage of the somewhat short season this year, due to the elevation of 8,000 feet and the exceptional length of winter conditions this year.

COST ESTIMATE

Equipment

1	D4 Tracloader (used)	$ 5,000.00	
1	Air Compressor, 105 cu.ft. (used)	850.00	
1	" " , 165 " " (used) diesel	1,500.00	
1	1952 International pick-up truck (used)	900.00	
1	GMC 6 x 6 Truck with ore body (used)	1,250.00	
1	Koler Light Plant, small, A.C. for black lites, etc.	350.00	
1	House Trailer, used	650.00	
	Miscellaneous air hose, jack hammers, small pipe, etc.	800.00	
	Black lites (ore testing), etc.	340.00	
2	Tents, 16 x 16, for housing, with cots	250.00	
	Miscellaneous hand tools, fuel pumps, etc.	250.00	
	Preliminary equipment (Owned by Schneider) Total:		$ 12,040.00

Supplies and Operating Capital

Miscellaneous powder, fuses, caps, tool steel, etc.	1,000.00	
Gas, oil, diesel, etc.	1,500.00	
Groceries and supplies, etc.	1,250.00	
Road building, 3 mi., including D8 rental	3,000.00	
Engineering, field and metallurgical	3,000.00	
Miscellaneous repairs, parts	1,000.00	
Labor costs, trucking, ore hauling	15,000.00	
Reserve for unforeseen expenditures, i.e. timbering, drilling, etc.	10,000.00	
Total:		$ 35,750.00
Capital required: Grand Total:		$ 47,790.00

Total capital required:	$ 47,790.00
Applicants' contribution:	12,040.00
Loan application for amount of:	$ 35,750.00

C O P Y

Portland, Oregon
February 6, 1954.

A petrographic study was made on the six samples of ore you submitted.

The results are as follows:

Sample No. 1

A contact-metamorphic rock, essentially containing garnet, quartz, diopside, some scheelite, vesuvianite, calcite, relatively small amounts of graphite, limonite, pyrite, molybdenite, tremolite, actinolite and epidote. Part of the scheelite is molybdenum bearing. The graphite occurs mainly on the surfaces and veinlets, the molybdenite is finely disseminated.

Sample No. 2

A contact-metamorphic rock, essentially containing diopside, tremolite-actionolite, less quartz, some garnet, scheelite, calcite and small amounts of epidote, vesuvinite, sphene and limonite. The sample is highly silicified.

Sample No. 3

A contact-metamorphic rock, essentially containing calcite, quartz, garnet, scheelite, a relatively small amount of vesuvinite, and small amounts of biotite, tremolite-actinolite, diopside sphene, and a limonite stain. A small amount of the scheelite is a molybdenum bearing variety.

Sample No. 4

A contact-metamorphic rock that principally contains calcite, diopside and quartz. Also present are relatively small amounts of scheelite, vesuvinite, and a limonite stain.

Samples Nos. 5 & 6

These samples are mineralogically similar to Sample No. 3, except that a small amount of desseminated molybdenite was found in Sample No. 5.

From the study it is quite conclusive that all samples submitted have the same general composition.

Donald B. Hoiekvan

Exhibit E

GERALD M. FOX.

Age 56, Portland resident thirty-odd years; engaged in machinery business, and for past 10 years has operated restaurants in Portland. During these years has been engaged in mining ventures holding as minority interest only. Has considerable practical knowledge of mining properties in Oregon and the Northwest States. Has other small mining interests not under production.

DWIGHT E. SCHNEIDER.

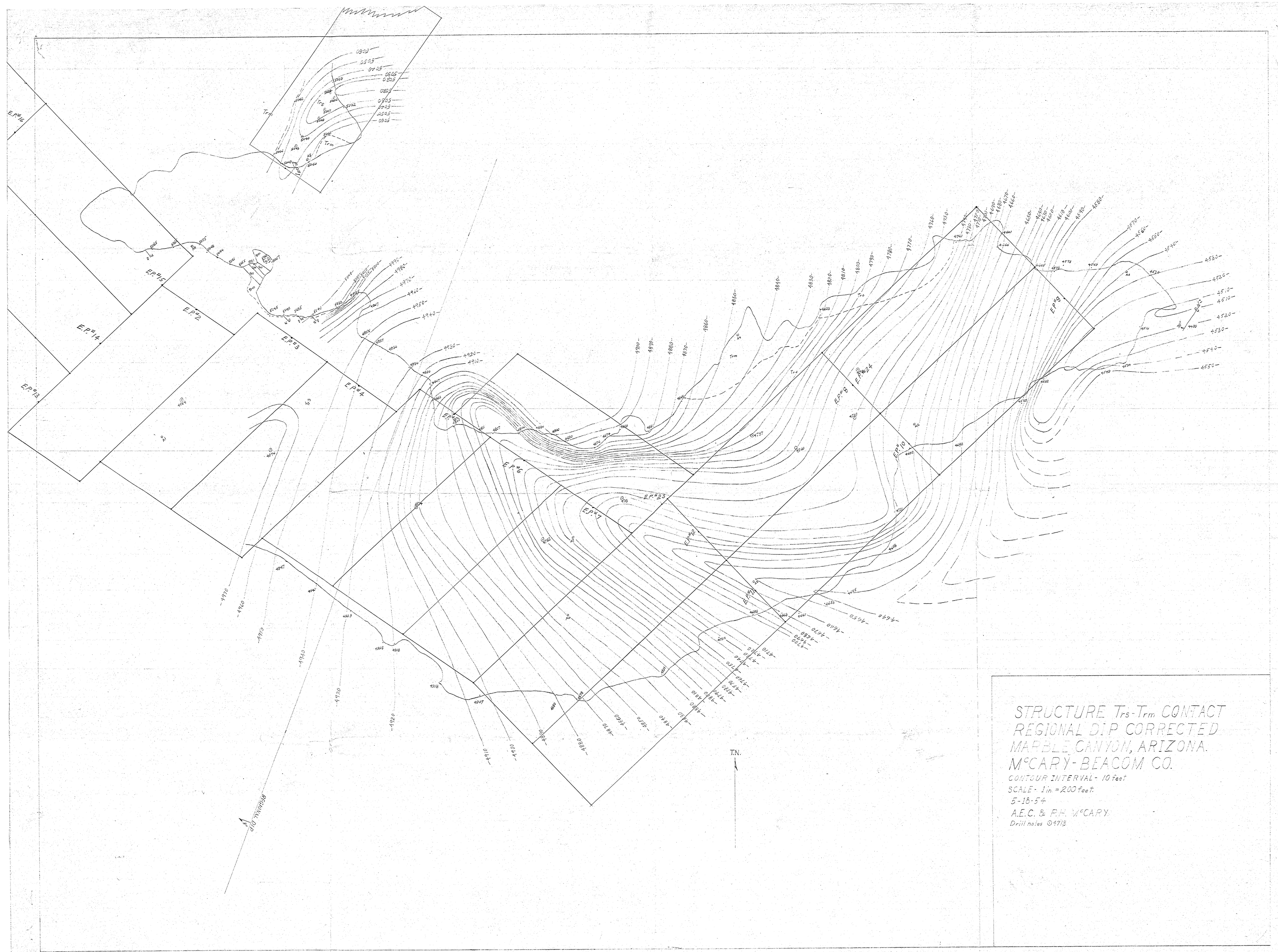
Age 24, veteran of Korean War, wounded three times, evacuated and now discharged. Worked summers of 1947 and 1948 in the Koogerok Gold Field, Alaska, operating full mining camp and gold dredge. Charge of all personnel, thawing, bulldozing work and cost records, etc. During summer of 1950 was engaged in drilling and field exploration and development of gold properties in Peru, South America. Attended Mining School, University of Alaska during 1948 and 1949.

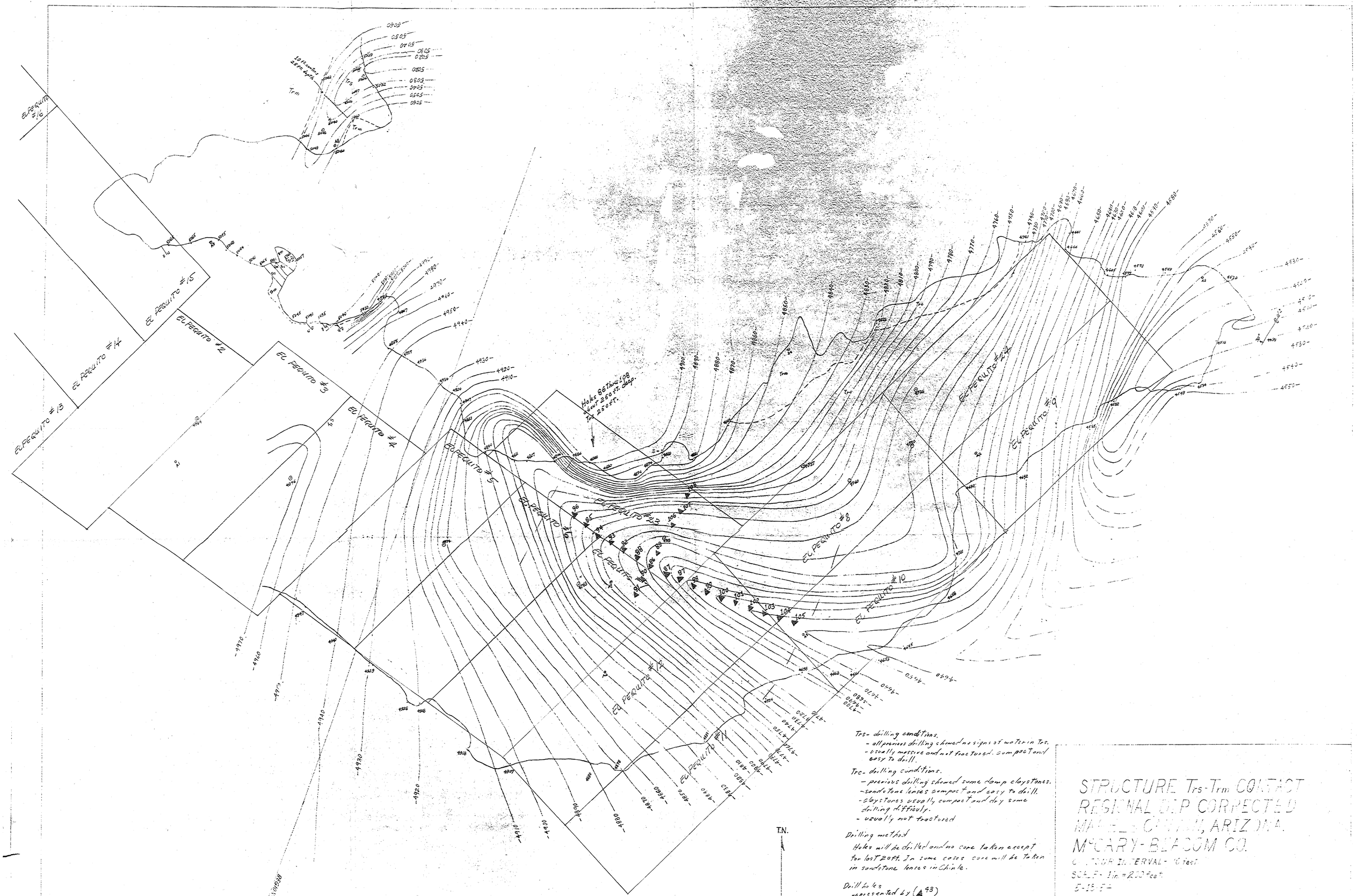
DONALD B. HOIEKVAM.

Consulting metallurgist, Portland, Oregon, 35 years experience. Formerly metallurgist, U. S. Bureau of Mines.

JAMES WREN.

Consulting engineer, Sacramento, California, registered mining engineer, with considerable experience with scheelite and tungsten developments.


STRUCTURE Trs-Trm CONTACT
REGIONAL DIP CORRECTED
MARBLE CANYON, ARIZONA.
McCARY-BEACOM CO.
CONTOUR INTERVAL - 10 feet
SCALE - 1 in. = 200 feet
5-18-54
A.E.C. & R.H. McCARY
Drill notes ⊙4713
T.N.
REGIONAL DIP
EP#16
EP#15
EP#14
EP#13
EP#12
EP#3
EP#4
EP#6
EP#7
EP#23
EP#12
EP#11
EP#8
EP#24
EP#9
EP#10
Trs
Trm



Drill sites and road building.

Drill sites will have to be made, and the present roads improved. This cost should be less than $15,000.00. All previous road building was performed without shooting. Some shooting will be needed in the construction of the new roads and drill sites

Trs- drilling conditions.
- all previous drilling showed no signs of water in Trs.
- usually massive and not fractured. compact and easy to drill.

Trc- drilling conditions.
- previous drilling showed some damp claystones.
- sandstone lenses compact and easy to drill.
- claystones usually compact and dry some drilling difficulty.
- usually not fractured

Drilling method

Holes will be drilled and no core taken except for last 20 ft. In some cases core will be taken in sandstone lenses in Chinle.

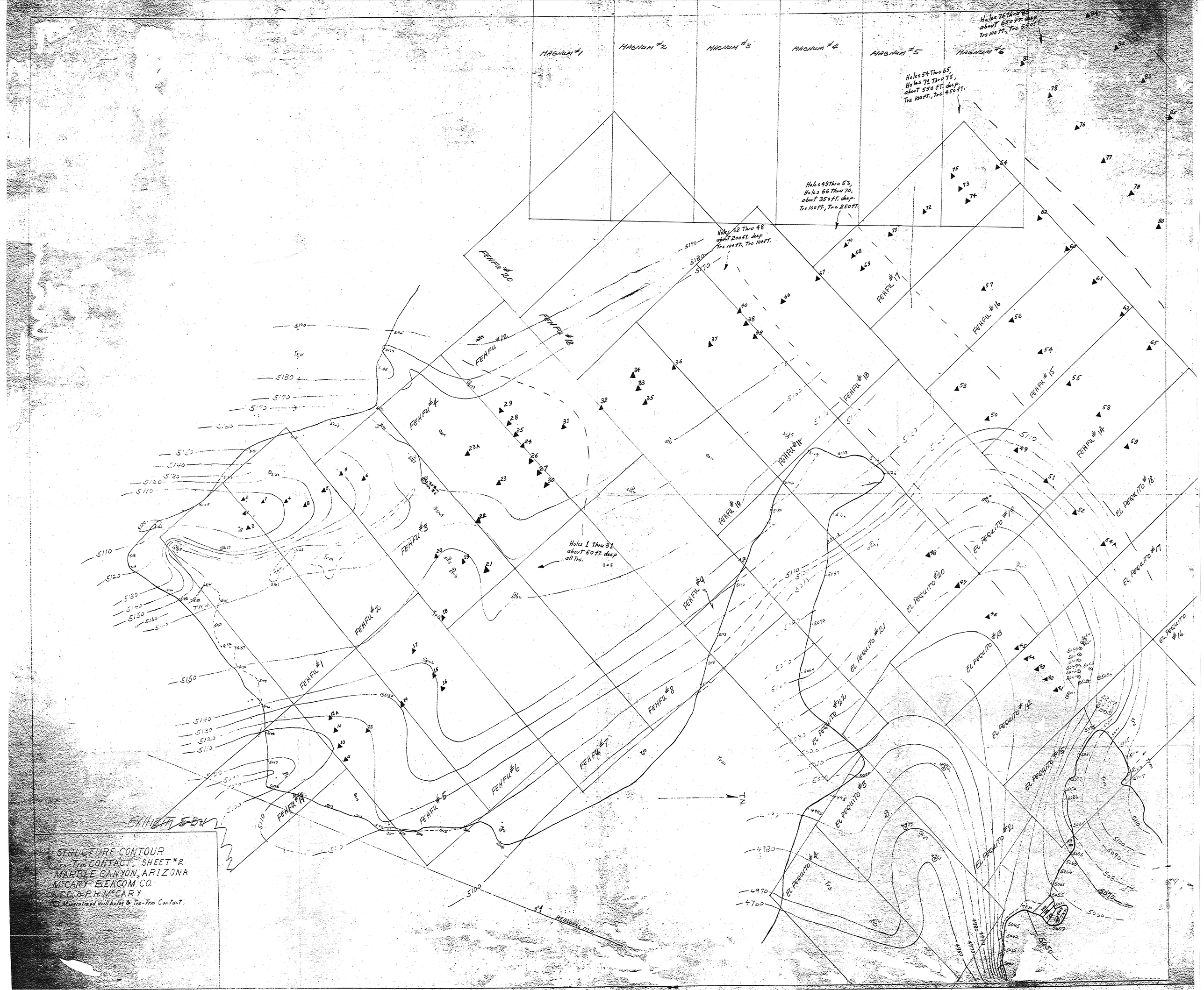
Drill holes
represented by (▲43)
Hole location - ▲
drilling sequence - 43

Drill procedure.

This map shows the hole locations in a very general way. The program will follow these trends, but hole locations will be changed and holes will be omitted and additional holes will be added. The exact drill hole locations will be determined by the previous drilling and the map will be drawn on a day to day basis.

STRUCTURE Trs-Trm CONTACT
REGIONAL DIP CORRECTED
MAP [illegible] CANYON, ARIZONA.
McCARY-BEACOM CO.
CONTOUR INTERVAL - 10 feet
SCALE - 1 in. = 200 feet
5-15-54
A.E.C. & [illegible]
Dri. [illegible]
Trc- Chinle formation — sandstone, shale, mudstone, & claystone
Trs- Shinarump Conglomerate - conglomerate & sandstone,
Trm- Moenkopi formation - sandstone, siltstone, & shale.

EXHIBIT S-B-2


MAGNUM #1
MAGNUM #2
MAGNUM #3
MAGNUM #4
MAGNUM #5
MAGNUM #6
Holes 76 Thru 83 about 650 ft. deep Trs 100 ft., Trc 550 ft.
Holes 54 Thru 65, Holes 71 Thru 75, about 550 ft. deep. Trs 100 ft., Trc 450 ft.
Holes 49 Thru 53, Holes 66 Thru 70, about 350 ft. deep. Trs 100 ft., Trc 250 ft.
Holes 32 Thru 48 about 200 ft. deep Trs 100 ft., Trc 100 ft.
Holes 1 Thru 31 about 50 ft. deep all Trs.
FEHFIL #20
FEHFIL #12
FEHFIL #18
FEHFIL #17
FEHFIL #16
FEHFIL #15
FEHFIL #14
FEHFIL #11
FEHFIL #10
FEHFIL #9
FEHFIL #8
FEHFIL #7
FEHFIL #6
FEHFIL #5
FEHFIL #4
FEHFIL #3
FEHFIL #2
FEHFIL #1
EL PEQUITO #18
EL PEQUITO #19
EL PEQUITO #17
EL PEQUITO #20
EL PEQUITO #21
EL PEQUITO #13
EL PEQUITO #16
EL PEQUITO #24
EL PEQUITO #14
EL PEQUITO #15
EL PEQUITO #5
EL PEQUITO #2
EL PEQUITO #4
Trm
Trs
T.N.
RESIDUAL DIP
EXHIBIT 5-B4
STRUCTURE CONTOUR
Trs-Trm CONTACT, SHEET #2
MARBLE CANYON, ARIZONA
McCARY-BEACOM CO.
A.E.C. & P.H. McCARY
Mineralized drillholes & Trs-Trm Contact

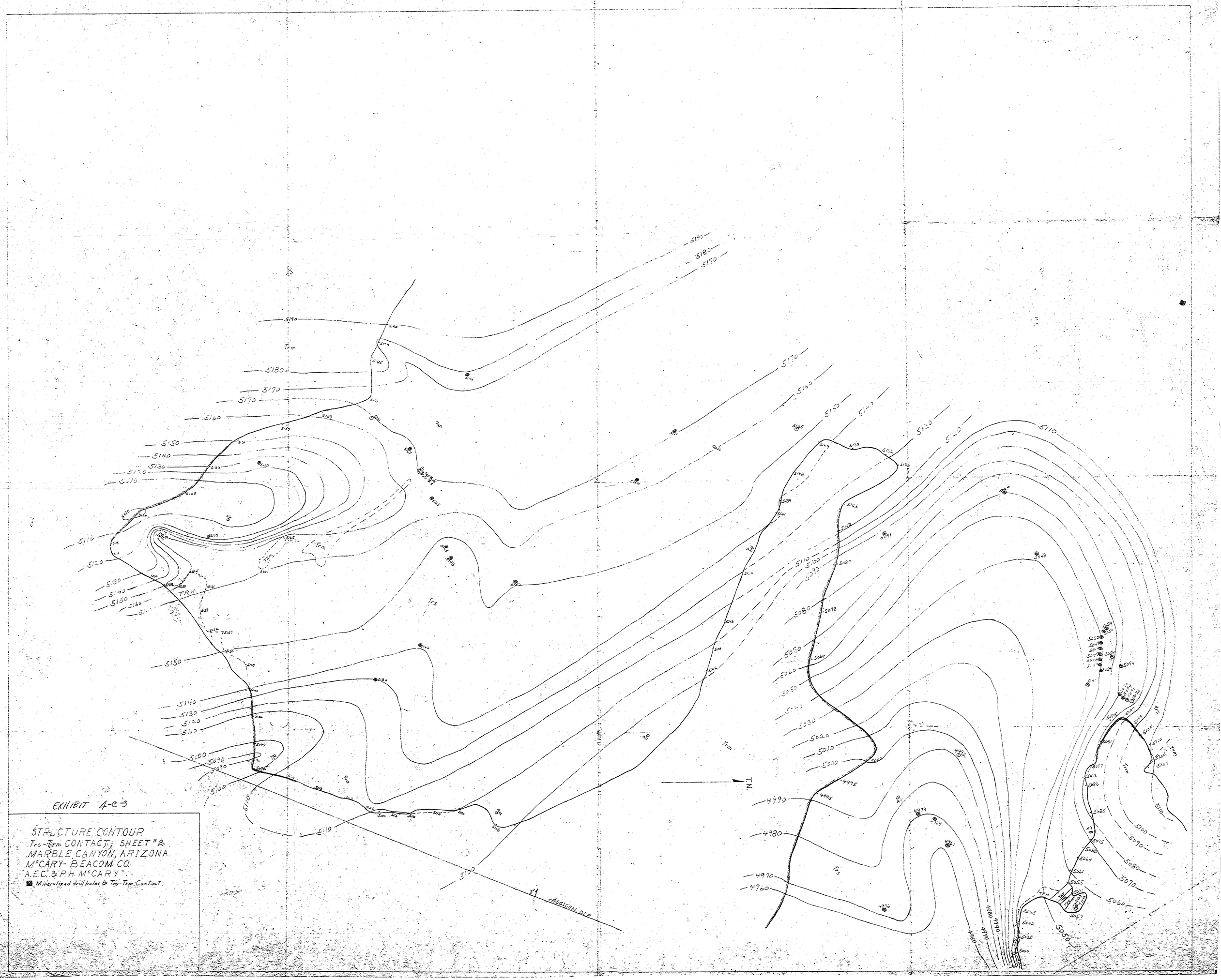
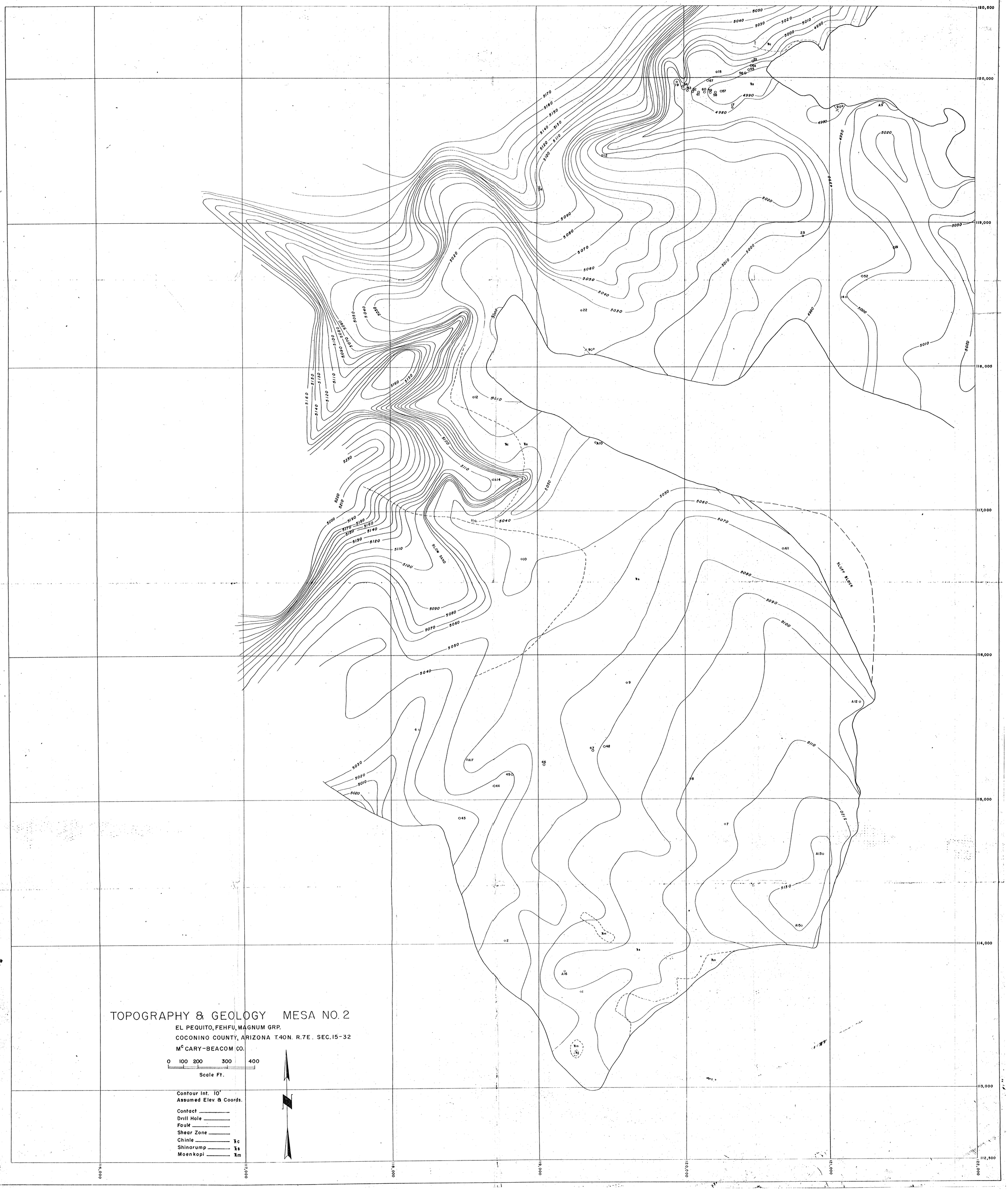


EXHIBIT 4-e-3
STRUCTURE CONTOUR
Trs-Trm CONTACT, SHEET #2
MARBLE CANYON, ARIZONA.
McCARY-BEACOM CO.
A.E.C. & P.H. McCARY
Mineralized drill holes & Trs-Trm Contact.
T.N.
REGIONAL DIP
Trm
Trs


TOPOGRAPHY & GEOLOGY MESA NO. 2
EL PEQUITO, FEHFU, MAGNUM GRP.
COCONINO COUNTY, ARIZONA T.40N. R.7E. SEC.15-32
M^C CARY-BEACOM CO.
0 100 200 300 400
Scale Ft.
Contour Int. 10'
Assumed Elev. & Coords.
Contact
Drill Hole
Fault
Shear Zone
Chinle Ꞧc
Shinarump Ꞧs
Moenkopi Ꞧm
SLOW SAND
SLUFF BLOCK
120,500
120,000
119,000
118,000
117,000
116,000
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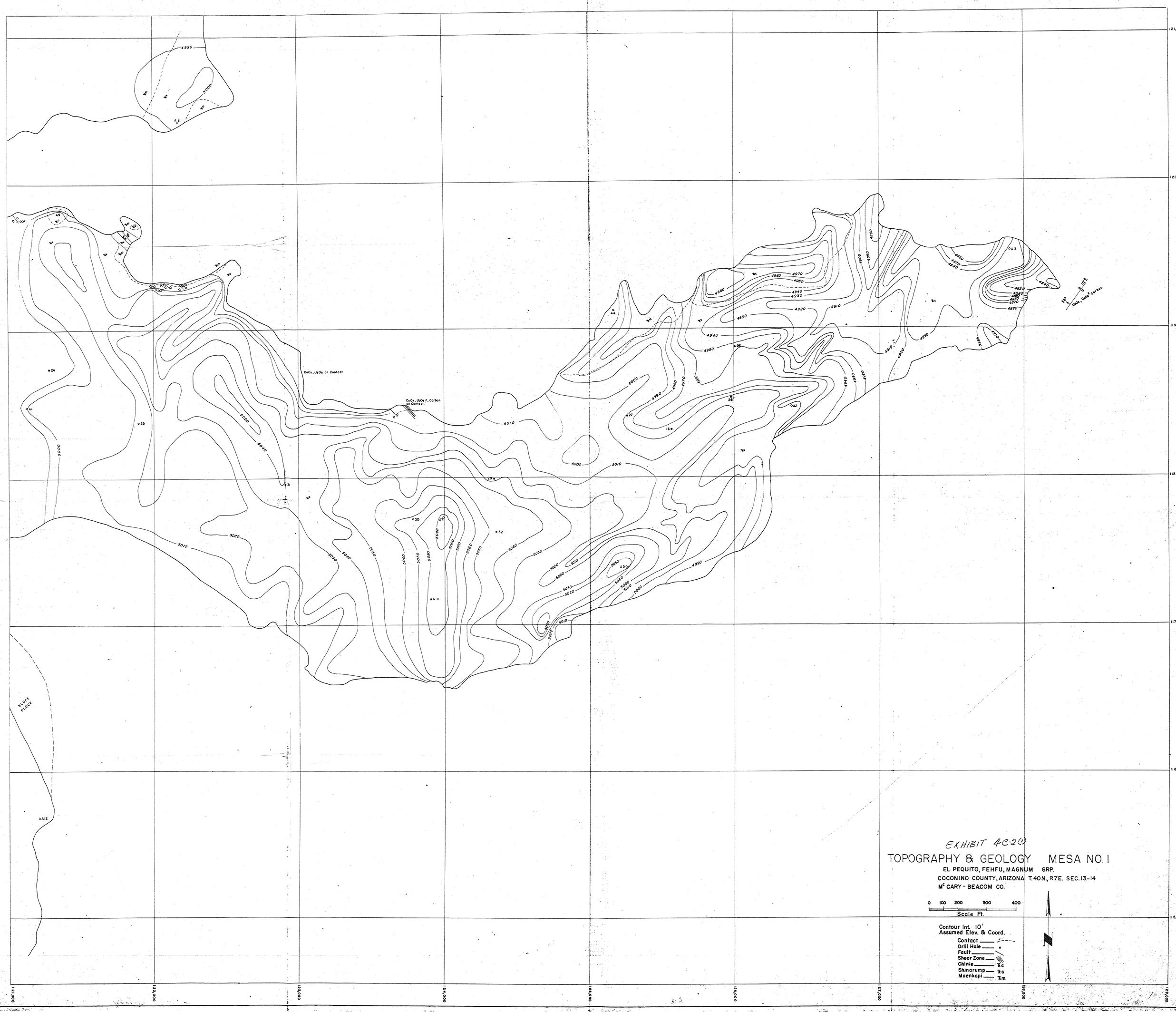
121,000
122,000


121,000
120,000
119,000
118,000
117,000
116,000
115,000
121,000
122,000
123,000
124,000
125,000
126,000
127,000
128,000
129,000
CuOx, U3O8 on Contact
CuOx, U3O8 ?, Carbon on Contact.
CuOx, U3O8 & Carbon
SLUFF BLOCK
EXHIBIT 4C-2(1)
TOPOGRAPHY & GEOLOGY MESA NO. 1
EL PEQUITO, FEHFU, MAGNUM GRP.
COCONINO COUNTY, ARIZONA T. 40N., R.7E. SEC. 13-14
McCARY - BEACOM CO.
0 100 200 300 400
Scale Ft.
Contour Int. 10'
Assumed Elev. & Coord.
Contact
Drill Hole
Fault
Shear Zone
Chinle Ꞧc
Shinarump Ꞧs
Moenkopi Ꞧm

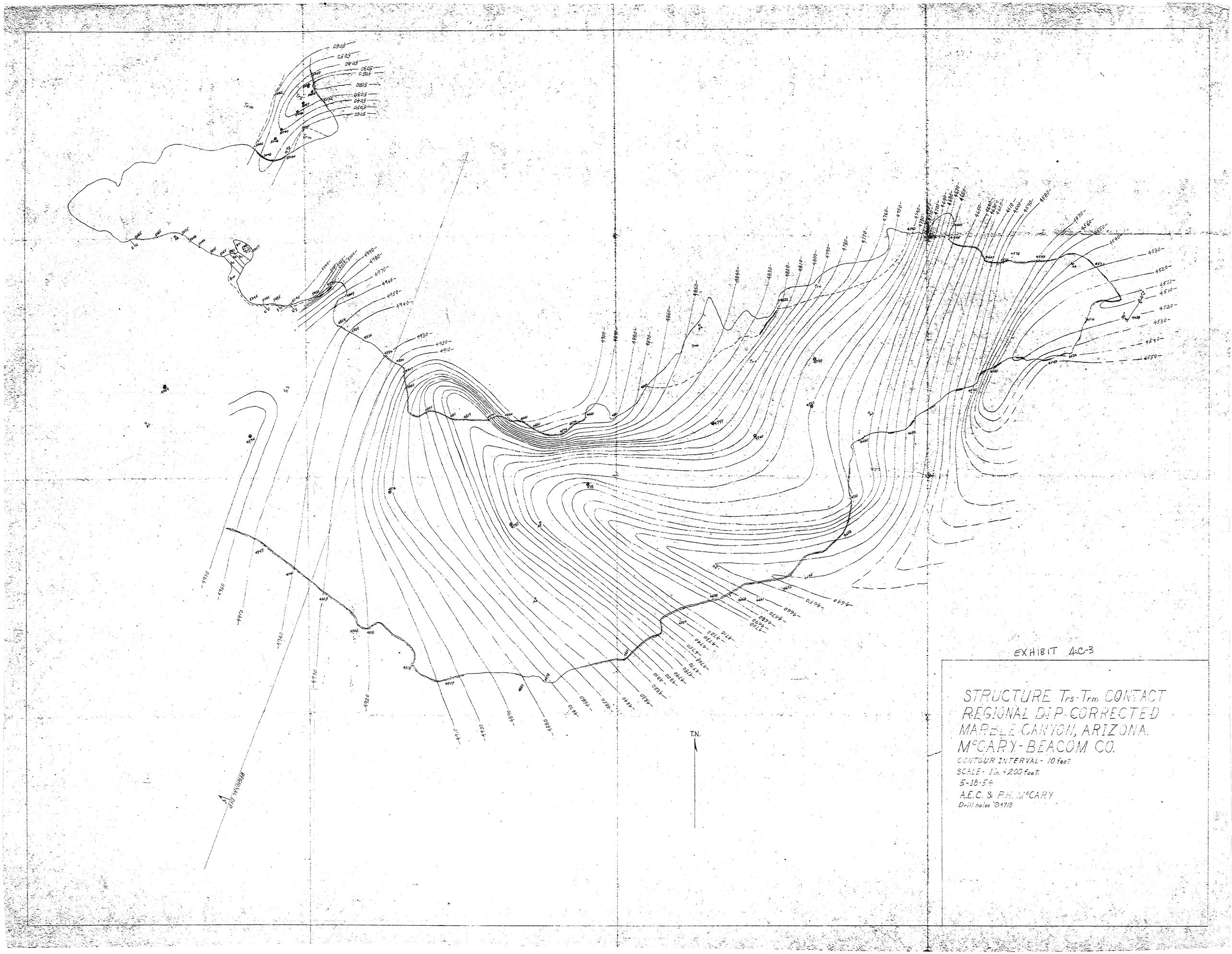
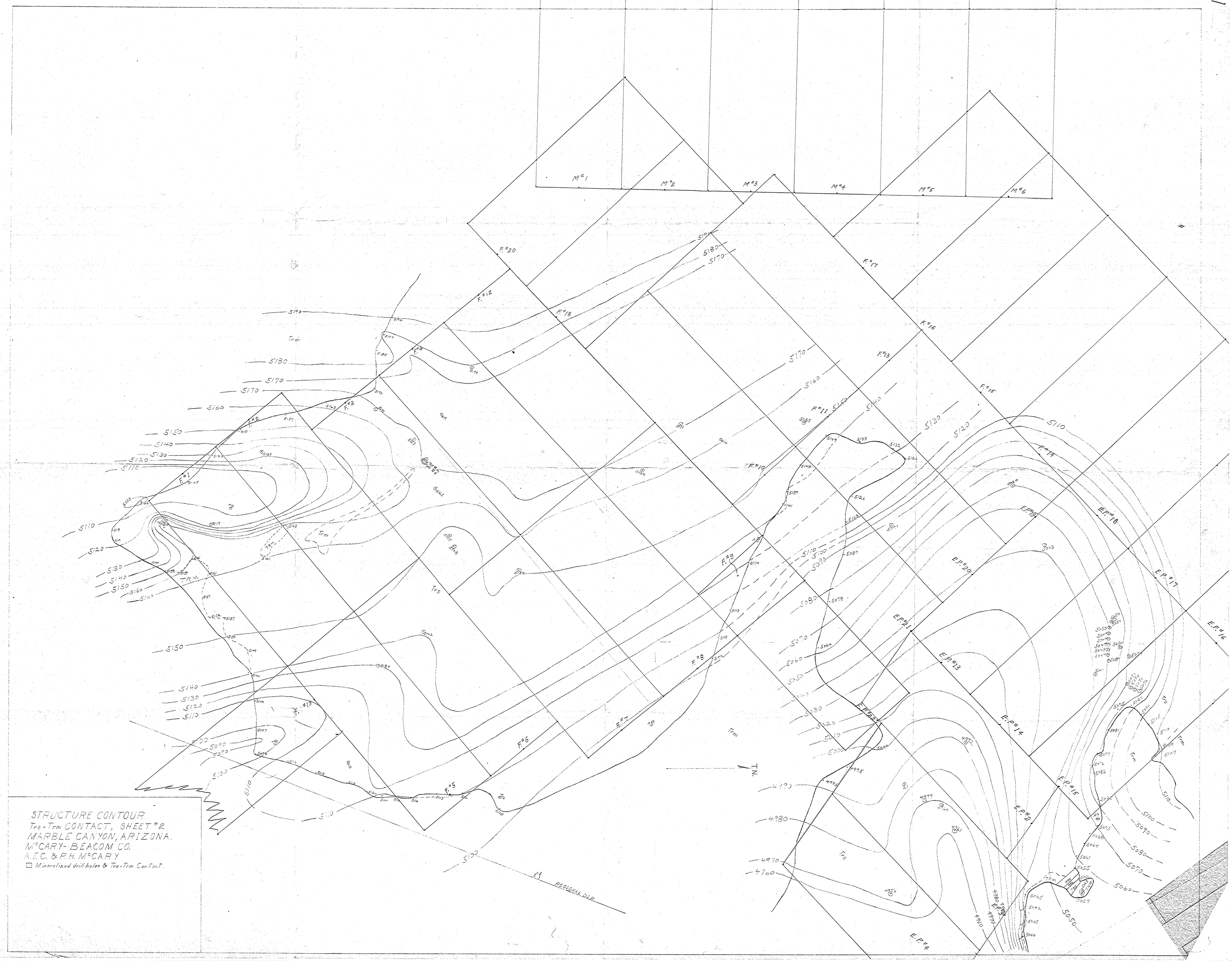


EXHIBIT A.C-3
STRUCTURE Trs-Trm CONTACT
REGIONAL DIP-CORRECTED
MARBLE CANYON, ARIZONA.
McCARY-BEACOM CO.
CONTOUR INTERVAL - 10 feet
SCALE - 1 in. = 200 feet.
5-18-54
A.E.C. & P.H. McCARY
Drill holes ⊙ 4713
T.N.
REGIONAL DIP


STRUCTURE CONTOUR
Trs-Trm CONTACT, SHEET #2
MARBLE CANYON, ARIZONA.
McCARY-BEACOM CO.
A.E.C. & P.H. McCARY
Mineralized drillholes & Trs-Trm Contact.
T.N.
REGIONAL DIP
M #1
M #2
M #3
M #4
M #5
M #6
F #20
F #17
F #18
F #16
F #13
F #15
F #11
F #10
F #9
F #8
F #7
F #6
F #5
F #4
F #3
F #2
F #1
E.P. #18
E.P. #17
E.P. #16
E.P. #20
E.P. #21
E.P. #13
E.P. #14
E.P. #15
E.P. #2
E.P. #4
Trm
Trs

4C-1

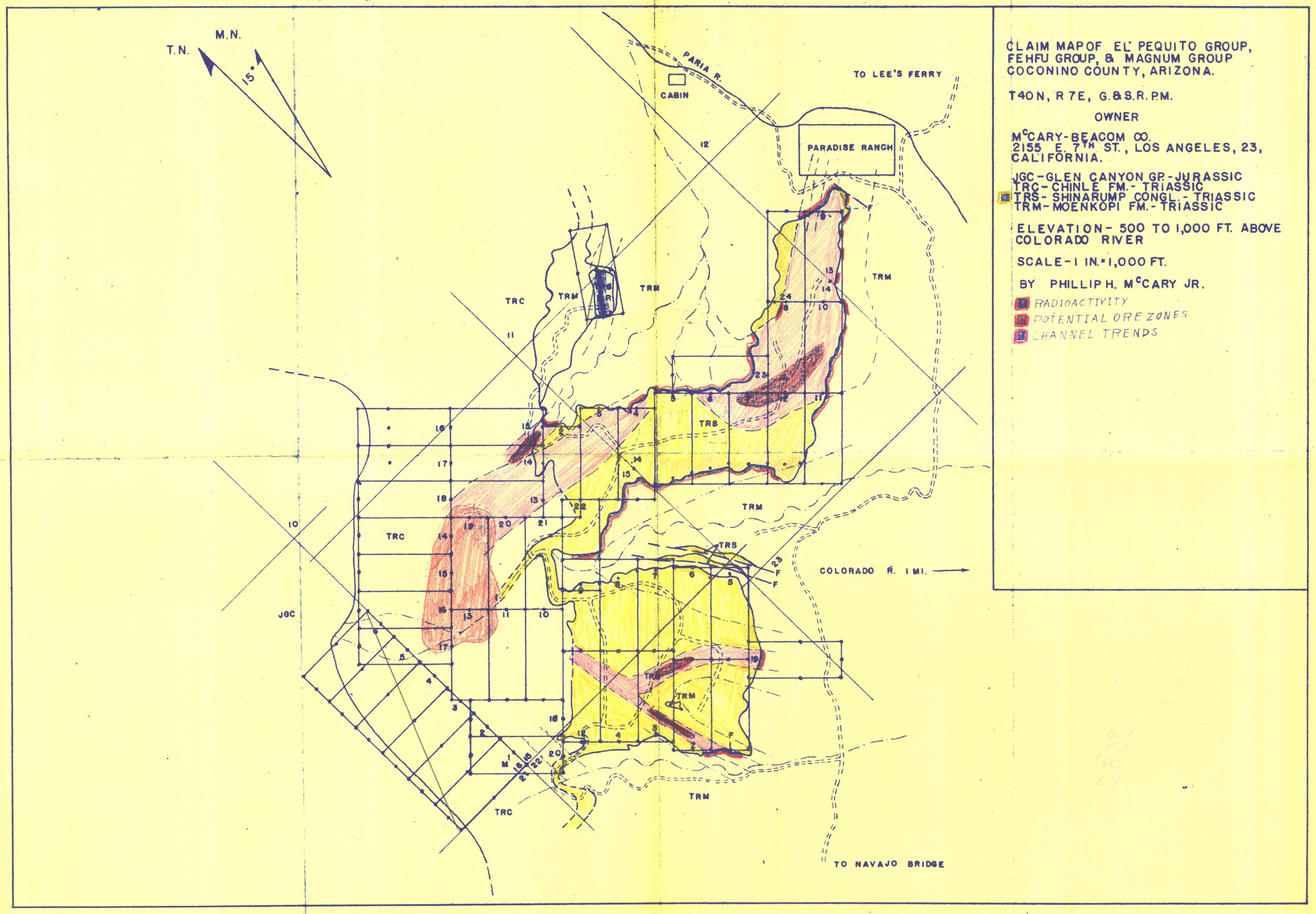


EXHIBIT 4-C-1