DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3532

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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

Routing Slip

To:	700	Date	10/18/54
To:	Oper. Com!	Date	12/15/54
To:	Oper Com.	Date	12- -54
To:	Mr. F.	Date	6-7-55
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DO NOT DETACH

CONTROLLED DOCUMENT

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved
Budget Bureau No.

OCT 15 1954

refer to field and consult with BLM

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. 3532
Metal or Mineral Uranium
Date Received
Estimated Cost $65,963
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: Universal Allied Uranium Corporation, 522 1st National Bank Bldg., Dallas, Texas. Incorporated in State of Delaware and duly qualified to do business in State of Arizona. President-Treasurer: Paul M. Raigorodsky; Vice President: C. Andrade, III; Secretary: Howard Lee Norris

(*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 Schedule Attached

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

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

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

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

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

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

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

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

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

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

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

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

(*c*) The work will start within 15 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated October 8, 1954

Universal Allied Uranium Corporation
(Applicant)

By Howard Lee Norris,
Secretary

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

3. (a)

Forty three (43) mining claims located in Marble Canyon mining district, County of Coconino, State of Arizona, in Township 40 North, Range 7 East, G. & S.R. P.M. and being described as follows:

Claims		Recorded in Official Records of Coconino County, Arizona in Book	Page
El Pequito	No. 2	51	110
"	No. 3	51	111
"	No. 4	51	112
"	No. 5	51	113
"	No. 6	51	114
"	No. 7	51	115
"	No. 8	51	116
"	No. 9	51	117
"	No. 10	51	118
"	No. 11	51	119
"	No. 12	51	120
"	No. 13	51	121
"	No. 14	51	122
"	No. 15	51	123
"	No. 16	51	124
"	No. 17	51	125
"	No. 18	51	126
"	No. 19	51	127
"	No. 20	51	128
"	No. 21	51	129
"	No. 22	51	130
"	No. 23	51	131
"	No. 24	51	132
Fehfu	No. 1	51	133
"	No. 2	51	134
"	No. 3	51	135
"	No. 4	51	136
"	No. 5	51	137
"	No. 6	51	138
"	No. 7	51	139
"	No. 8	51	140
"	No. 9	51	141

3. (a) contd.

Claims		Recorded in Official Records of Coconino County, Arizona, in Book	Page
Fehfu	No. 10	51	142
"	No. 11	51	143
"	No. 12	51	144
"	No. 13	51	145
"	No. 14	51	146
"	No. 15	51	147
"	No. 16	51	148
"	No. 17	51	149
"	No. 18	51	150
"	No. 19	51	151
"	No. 20	51	152

NOTE: See Claim Map attached hereto and marked "Exhibit 4-C-1".

3. (e) There exist against the property the following:

1. A payment out of production to McCary-Beacom Company, 2155 East 7th Street, Los Angeles 23, California, the sum of $72,500.00 payable on the following basis:

   (a) On ore containing .20% to .30% uranium oxide, 25% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

   (b) On ore containing .3% to .4% uranium oxide 30% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

   (c) On ore containing .4% to .5% uranium oxide, 40% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

   (d) On ore containing .5% or better of uranium oxide, 50% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

2. A 15% royalty on all mill or smelter returns, less transportation, said royalty being retained by McCary-Beacom Company, Los Angeles, California. This royalty is to become effective after the above production payment (3. (e) 1.) has been satisfied.

3. A 17% royalty payable only with respect to the net value of the minerals produced after the McCary-Beacom Company of Los Angeles has received in its entirety the above described production payment, said royalty to be secondary to the 15% royalty described in "2" above, the 17% royalty described herein being actually 20% of 85%.

3. (e)

3. Continued.

The over-riding royalty of 20% of 85% is owned in the following proportions:

An undivided 1/9th interest therein to each of the following:

Paul M. Raigorodsky
S. Brachman
C. Andrade, III
Roland S. Bond
Sylvester Dayson
E. E. Fogelson
B. G. Byars
J. C. Wynne

and 40% of an undivided 1/9th interest to Howard Lee Norris, and 30% of an undivided 1/9th interest therein to each of Bogart Rogers and Earl Rogers.

4. (a)

Approximately 62 holes were drilled on this property by McCary-Beacom Company, the drilling having been done with a wagon drill but many holes were successfully probed and the indications are quite promising, a good number of the holes being highly mineralized. For location of old drill holes see maps attached hereto marked Exhibits 5-B-1 and 5-B-2. These primary holes are indicated by an encircled dot.

4. (c)

The principal geologic features of importance of the claims are Paleo stream channels in the Moenkopi with bedded deposit of Shinarump. See maps attached as Exhibits 4-C-1, 4-C-2 and 4-C-3.

4. (d)

This property is very accessible, being approximately six miles from Highway 89. The property is reached by about three miles of county road from the Marble Canyon Lodge at the Navajo Bridge and then approximately three miles of access road. Present shipping of ore would probably be to Flagstaff, a distance of 125 miles.

The nearest supply and residence point is Marble Canyon Lodge, located on U. S. Highway 89 at the Navajo Bridge. Other points are Cameron, Arizona, Flagstaff, Arizona and Kanab, Utah.

4. (e)

Manpower is readily available from the surrounding towns of Kanab and Flagstaff and Indian labor is available from the Navajo Reservation. Materials are available either from Flagstaff, Arizona or Kanab, Utah. Supplies are available at the Marble Canyon Lodge, Cameron, Arizona, Flagstaff, Arizona, and Kanab, Utah.

Equipment such as bull dozers and trucks are available from either Flagstaff, Arizona or Kanab, Utah. Mining equipment would probably have to come from either Denver, Colorado, Grand Junction, Colorado or Salt Lake City, Utah.

Water is readily available from the Colorado River at Lee's Ferry, which is approximately 5 miles from the property. Power in the form of electrical power is not available at all but both gasoline and butane-propane or L. P. gas are available at Marble Canyon Lodge.

5. (b)

It is proposed that a drilling program be conducted on the described property consisting of dust and sample catching, probing and logging of holes and some coring to determine contact point of the Shinarump and Moenkopi. See attached maps Nos. 5-B-1 and 5-B-2 prepared by Phillip McCary of Los Angeles, California showing location of proposed drill sites.

Messrs. Stephen Steinhauser and Earl King of the Atomic Energy Commission at Richfield, Utah have recommended that fewer holes be drilled in the center of channels and more fence patterns be used. They also recommend keeping the program highly flexible.

5. (d)

Applicant corporation is composed of eight stockholders who are experienced and successful individual oil men, engineers and refiners. All of these stock holders have had extensive experience in business. Mr. Phillip McCary of McCary-Beacom Company, Los Angeles, California, discoverer of the property, is to lend his experience and knowledge by making frequent trips to the property in order to observe the progress of the drilling program. Mr. McCary was employed as geologist with the Atomic Energy Commission for several months and has for approximately a year had his own company which is primarily engaged in prospecting for uranium. Mr. McCary supervised the primary drilling program which was conducted on this property.

Applicant will also use the services of Dr. Charles Yetter of Grand Junction, Colorado who is a registered mining engineer. Applicant understands that Dr. Yetter as a consultant has had a great deal of experience in all phases of the exploration and mining of uranium ores.

Applicant has in its employ a Mr. John Holeman who is experienced in supervising core drilling programs and mining. Mr. Holeman was formerly with the LaSalle Mining Company of Grand Junction, Colorado. The actual drilling will be done by a competent bonded drilling contractor. The names of drilling contractors asked to bid on this project were taken from a list prepared by the Atomic Energy Commission at Grand Junction, Colorado.

6. (a)

1. Rotary Drilling	Approx. 30,625' @ $1.50 per foot	$45,937.50
2. Coring	Approx. 400' @ $4.00 per foot	1,600.00
3. Bull Dozing:		
(a) Preparation of access road - approx.		9,000.00
(b) Preparation of roads to drill sites and drill site locations - approximately		6,000.00

6. (b)

1. Supervision of drilling program.	$475.00 per month for approx. 3 months	1,425.00
2. Geological consultant	Approx. 15 days @ $100.00 per day and expenses	2,000.00

6. (c) None
6. (d) None
6. (e) None
6. (f) None
6. (g) None
6. (h) None

TOTAL $65,962.50

7. (b)

The applicant corporation presently has on deposit Eighteen Thousand One Hundred Ninety One and no/100 Dollars ($18,191.00) and in a Trust Account the sum of Twelve Thousand Three Hundred Fifty Three and 49/100 Dollars ($12,353.49). The members of the corporation are prepared to furnish any additional sum necessary to cover applicant corporation's share of exploration costs.

Docket copy

Ching

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

June 7, 1955

Memorandum

To: Robert E. Adams, Chief
Operations Control and Statistics Division

From: Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

Subject: Docket No. DMEA-3532 (Uranium)
Universal Allied Uranium Corporation
El Pequito and Fehfu claims
Coconino County, Arizona

In accordance with the Applicant's letter of May 17, 1955, to Mr. Stephen R. Wilson, and Mr. Traver's memorandum of May 31, we have closed the subject docket on our records by withdrawal.

Ernest Wm. Ellis

Ernest Wm. Ellis

6-6-55
Rm.

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

RECEIVED
JUN - 3 1955

224 New Customhouse
Denver 2, Colorado

May 31, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3532 (Uranium), Universal Allied Uranium Corporation, El Pequito and Fehfu claims, Coconino County, Arizona

Enclosed is a copy of a letter from the subject applicant in which he states that his corporation has completed its drilling project and therefore it is not necessary to have a DMEA loan.

We are therefore closing the docket.

W. M. Traver

Enclosures

W. M. Traver

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

RECEIVED
JUN - 3 1955

224 New Customhouse
Denver 2, Colorado

May 31, 1955

Memorandum

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We are therefore closing the docket.

W. M. TRAVER,

W. M. Traver

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

DMEA
Date Rec'd
MAY 25 1955
BUREAU OF MINES
Denver, Colorado

May 23, 1955

Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Region III

From: Stephen R. Wilson

Subject: Docket No. DMEA-3532 (Uranium), Universal Allied Uranium Corp., El Pequito and Fehfu claims, Cocomino County, Arizona

Attached are the original and three copies of a letter received from the subject applicant wherein a desire is expressed that the application be withdrawn. The letter is dated May 17, 1955. We had previously requested the applicant to submit additional information prior to completion of recommendations on the property. This information was not submitted, and inasmuch as the applicant has completed a drilling project, it appears that the property has been thoroughly explored.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

cc: J. Bruce Clemmer

RECEIVED
JUN - 3 1955
DMEA
Date Rec'd.

UNIVERSAL ALLIED URANIUM CORPORATION
522 First National Bank Building
Dallas, Texas

MAY 25 1955
BUREAU OF MINES
Denver, Colorado

May 17, 1955

Mr. Stephen R. Wilson
Supervising Mining Engineer
United States Department of the Interior
Bureau of Mines
1600 East First South Street
Salt Lake City 1, Utah

Re: Docket #DMEA 3532
Universal Allied Uranium Corp.
Coconino County, Arizona

Dear Mr. Wilson:

In answer to your letter of May 11, 1955 I wish to advise you that the above corporation has completed its drilling project and therefore it is not necessary to pursue the possibilities of a DMEA loan.

We greatly appreciate your cooperation and interest in this matter.

Very truly yours,

/s/ Howard Lee Norris

HLN:LM

5/27/55 gla

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

224 New Customhouse
Denver 2, Colorado

May 23, 1955

Mr. Howard Lee Norris
522 First National Bank Building
Dallas, Texas

Re: Docket DMEA-3532 (Uranium),
Universal Allied Uranium Corp.,
Coconino County, Arizona

Dear Mr. Norris:

We have received no reply to our letters to you requesting additional information, dated February 4 and May 11, 1955.

If we do not receive this additional information within thirty days, we will presume that you are no longer interested in your proposed exploration program and we will close the docket.

Very truly yours,

W. M. TRAVER,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

HMC:pw

cc: Subject
C hron
Wilson
Harshman
Sec.Op.Comm. (2)
Williams

5-27-55
I called Mr. Rodgers, local representative of Universal regarding above. He is writing Norris.
M. Ching

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

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 27 1955

224 New Customhouse
Denver 2, Colorado

May 23, 1955

Mr. Howard Lee Norris
522 First National Bank Building
Dallas, Texas

Re: Docket DMEA-3532 (Uranium),
Universal Allied Uranium Corp.,
Coconino County, Arizona

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We have received no reply to our letters to you requesting additional information, dated February 4 and May 11, 1955.

If we do not receive this additional information within thirty days, we will presume that you are no longer interested in your proposed exploration program and we will close the docket.

Very truly yours,

W. M. TRAVER,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

HMC:pw

cc: Subject
C hron
Wilson
Harshman
Sec.Op.Comm. (2)
Williams

12/29/54 gla

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

224 New Customhouse
Denver 2, Colorado

December 22, 1954

Memorandum

To: S. R. Wilson and A. L. Brokaw

From: DMEA Field Team, Region IV

Subject: DMEA Docket 3532 (Uranium), Universal Allied Uranium Corporation, El Pequito and Fehfu claims, Marble Canyon Mining District, Coconino County, Arizona.

A complete copy of the subject application complete with additional information and maps obtained from the applicant company is hereby transmitted to A. L. Brokaw and photostats of portions of the applications to S. R. Wilson. Also enclosed are copies of recommendations by R. D. Trace and John E. Crawford of the Uranium Commodity Committee with transmittal letter from the Chairman, DMEA Operating Committee.

The claims under consideration in this application consist of the El requito claims No. 1 to 24 inclusive and the Fehfu claims No. 1 to 20 inclusive located in the Marble Canyon Mining District, Coconino County, Arizona.

An examination of the property and a formal field report for the use of the Washington Office in the preparation of a possible contract is required. The Atomic Energy Commission should be contacted in regard to this application and a statement to this effect is to be included in your report.

W. H. King

W. H. King

RDB:dm

for R. W. Macharen
E. N. Harshman

DMEA Field Team, Region IV

cc: Docket 3532
AJMartin
Sec. to Oper. Comm. (2)
Chron

224 New Customhouse
Denver 2, Colorado

December 22, 1954

Memorandum

To: S. R. Wilson and A. L. Broker

From: DMEA Field Team, Region IV

Subject: DMEA Docket 3532 (Uranium), Universal Allied Uranium Corporation, El Pequito and Fehfu claims, Marble Canyon Mining District, Coconino County, Arizona.

A complete copy of the subject application complete with additional information and maps obtained from the applicant company is hereby transmitted to A. L. Broker and photostats of portions of the applications to S. R. Wilson Also enclosed are copies of recommendations by R. D. Truce and John E Crawford of the Uranium Commodity Committee with transmittal letter from the Chairman, DMEA Operating Committee.

The claims under consideration in this application consist of the El Pequito claims No. 1 to 24 inclusive and the Fehfu claims No. 1 to 20 inclusive located in the Marble Canyon Mining District, Coconino County, Arizona.

An examination of the property and a formal field report for the use of the Washington Office in the preparation of a possible contract is required. The Atomic Energy Commission should be contacted in regard to this application and a statement to this effect is to be included in your report.

W. E. King

W. E. King

RDB:dm

for D R Mackven

E. H. Harshman

DMEA Field Team, Region IV

cc: Docket 3532
A. Martin
Sec. to Oper. Comm. (2)
Chron

Surname copy 700

Ching
Ellis
Johnson
Kulogoski
Selbridge
Johnson

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

DEC 1 6 1954

Mr. Howard Lee Norris, Secretary
Universal Allied Uranium Corporation
522 1st National Bank Bldg.,
Dallas, Texas

Re: Docket No. DMEA-3532 (Uranium)
El Paquito and Fahfu Claims
Coconino County, Arizona

Dear Mr. Norris:

The application for assistance in exploring your property in Coconino County, Arizona, under the above-captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to the Executive Officer of Region IV at the following address:

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

Administrator

Copy to: George F. Smith, Jr., Esq.
Murphy, Duiker, Smith & Burwell
South Building
15th and H Streets, N. W.
Washington 5, D. C.

MChing/gla
cc to: Admr. Reading File
Docket
DMEA Field Team, Region IV (2)
Code 700
Mr. Ching

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

Ching
Ellis

DEC 16 1954

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

Re: Docket No. DMEA-3532 (Uranium)
Universal Allied Uranium Corp.
El Pequito and Pehfu Claims
Coconino County, Arizona

Dear Mr. King:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendations. A copy of the original application is already in your files.

Enclosed are two copies each of comments and recommendations by R. D. Truce and John E. Crawford of the Uranium Commodity Committee, dated October 26 and October 28, 1954, respectively.

Also enclosed are the following supplemental documents to the application, obtained recently from the Applicant:

1. An Agreement (undated) between McCary-Beacon Company and Paul M. Raigorodsky, et al.

2. An Indenture, dated July 16, 1954, between McCary-Beacon Company and Paul M. Raigorodsky, et al.

3. An Indenture, dated September 22, 1954, between Paul M. Raigorodsky, et al, and Universal Allied Uranium Corporation.

4. A letter Agreement, dated November 5, 1954, between McCary-Beacon Company and Paul M. Raigorodsky, et al (by C. Andrade, III).

5. Geological and other information contained in a letter dated November 8, 1954, from Phillip H. McCary, Jr. to Universal Allied Uranium Corp.

6. One set (2) of supplemental maps showing mineralization in old drill holes.

7. One supplemental claim map showing mineralization along the rim.

8. One set (2) of supplemental maps 5-B-1 and 5-B-2, with claim lines superimposed.

9. One set of drill logs of holes numbered 14 through 69. (These hole numbers cannot be corelated to the numbers shown on the maps. Holes 1 through 13 were drilled outside the property.)

Please note that some of the holes proposed by the Applicant fall outside the claims covered by the application.

Since the Agreement of Sale and two Indentures are the only copies submitted by the Applicant, please return them to this office after they have served their purpose in the field.

The Applicant is in the process of securing Subordination Agreements from the McCary-Beacon Company and from Paul M. Faigorodsky, et al.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Enclosures

MChing/gla
12-14-54
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. D. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching

APPROVED:

C. H. JOHNSON

Member, Bureau of Mines (JHB)

Thor H. Kiilsgaard

Member, Geological Survey (JHB)

10/27/54 vgla

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1954

October 26, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3532 (Uranium)

To: E. W. Ellis, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant's name and address: Universal Allied Uranium Corp., 522 1st National Bank Bldg., Dallas, Texas
Name of property: El Pequito and Fehfu groups
Location of property: Coconino County, Arizona
Summary of applicant's proposal:
Approximately 31,000 feet of rotary and core drilling.
Sources of information on applicant's property:
U.S.G.S. Prof. Paper 164, map scale 1:250,000
U.S.G.S. TEI 313; U.S.G.S. TEI 328-A

Comments:

Considerable geologic data is given in the application, but the most important economic facts are not. Although 62 holes were drilled, and a lot of ore-bearing sandstone rim was apparently walked, no U_3O_8 or eU analyses are given. The applicant has furnished, however, an adequate geologic map showing formations, structure contours on the base of the Shinarump (the potentially ore-bearing sandstone), potential ore-bearing channels, presence but not quantity of radioactivity, and location of proposed drill holes. A few samples (preferably ore-grade) from the drill holes and/or the rim would materially assist our evaluation.

Some idea of the grade of mineralization is particularly important in view of the, so far as we know in Washington, unfavorable nature of the area. For example, according to TEI-313, page 5 (June 1953), "The Shinarump is thickest and most continuous in the Kanab area. . . . The ore-producing areas commonly are not in the most continuous Shinarump. . . ." Also, in TEI-328A, page 34, "In the Paria River area north of Cameron only minor amounts of uranium have been found."

Incidentally, figure 1 of TEI-328A shows deposits in the Chinle formation that are probably the same deposits as proposed for exploration and described in the application as in the Shinarump. Is this discrepancy simply a matter of stratigraphic terminology or has a new ore horizon been found in the area?

If a project is approved, the drilling program should be carefully reviewed and probably revised by the Field Team in the light of current AEC and Survey exploratory drilling procedures. I doubt that an initial stage of drilling need be as large as outlined in the application.

A couple of miscellaneous items follow. On Exhibit 4-C-1, the claims are not easily identifiable. Inasmuch as the claim map shows a group of claims not included in the exploration, the claim map should be clarified. No provision is made in the cost figures for logging the drill holes for radioactivity.

RECOMMENDATION: Get more information, particularly eU or U_3O_8 analyses.

RD Trace

R. D. Trace

10/28/54 gla

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

October 28, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

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

Subject: DMEA Docket No. 3532, Universal Allied Uranium Corporation, 522 1st National Bank Bldg., Dallas, Texas

I have reviewed the application included in the subject docket and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

We recommend that the application be referred to the Field Team for investigation and report, and that the Field Team be requested to discuss the application with Ernest E. Thurlow, Atomic Energy Commission, Salt Lake City, Utah.

John E. Crawford

John E. Crawford

Attachment

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1954

October 26, 1954

Memorandum

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RECOMMENDATION: Get more information, particularly eU or U_3O_8 analyses.

R. D. Trace

RDTrace:hlm
G-10/26/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641

11/2/54 gfa

LAW OFFICES
MURPHY, DUIKER, SMITH & BURWELL
SOUTHERN BUILDING
FIFTEENTH & H STS., N. W.
WASHINGTON 5, D. C.

METROPOLITAN 8-5556
CABLE ADDRESS "MURBUR"

JAMES R. MURPHY
WILLIAM J. DUIKER
GEORGE F. SMITH, JR.
CLAYTON LEE BURWELL
JAMES E. RODGERS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 - 1954

October 29, 1954

Mr. E. W. Ellis, Chief
Rare and Miscellaneous Mineral Section
Defense Mineral Exploration Administration
C St. between 18th & 19th, N. W.
Washington, D.C.

In re: DMEA - 3532
Universal Allied Uranium Corporation
Dallas, Texas

Dear Mr. Ellis:

In accordance with our conversation today, it is requested that you communicate with the above-named Company, through this office, in the interest of expediting the subject loan.

It is also requested that wherever possible telephone communication be used and in this fashion we believe that this will be to your convenience as well as our own.

Sincerely,

GEORGE F. SMITH, JR.
Counsel

Howard Lee Norris

Howard Lee Norris, Secretary
Universal Allied Uranium Corporation

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

October 18, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region IV.

DMEA-3532 Universal Allied Uranium Corp.

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

October 18, 1954

Universal Allied Uranium Corp.
522 1st National Bank Bldg.
Dallas, Texas

Subject: DMEA-3532
Re: Exploration Assistance
El Pequito & Fehfu Claims

Gentlemen:

The receipt of your application dated October 8, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3532 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

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

OCT 15 1954

224 New Customhouse
Denver 2,Colorado

October 11, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Application for DMEA assistance (Uranium)
Universal Allied Uranium Corporation
El Pequito and Fehfu claims,
Marble Canyon Mining District
Coconino County, Arizona

Enclosed are two copies of an application for exploration assistance in the amount of $65,962.50 submitted by Universal Allied Uranium Corporation.

This application is not complete as the applicant has not shown the proposed work and location of previous drill holes in relation to the property boundaries. The results of previous drilling has not been furnished, although the application states that it was favorable.

We believe that the above information should be obtained from the applicant prior to the scheduling of a field examination, as this data will be needed at that time.

A copy of this application has been sent to Mr. A. P. Butler, Building 21, T.E.P.C.O., at the Denver Federal Center.

W. H. King

W. H. King

Enclosure

224 New Customhouse
Denver 2,Colorado

October 11, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Application for DMEA assistance (Uranium)
Universal Allied Uranium Corporation
El Paquito and Fehfu claims,
Marble Canyon Mining District
Coconino County, Arizona

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W. H. KING

W. H. King

Enclosure

RDB:mn

cc: Docket
A.P.Butler w/enc.
Chron.

Universal Allied Uranium Corporation
522 First National Bank Building
Dallas, Texas

October 8, 1954

Mining Division
Date Rec'd.
OCT 11 1954
BUREAU OF MINES
Denver, Colorado

Chief of Defense Minerals Exploration Administration
Bureau of Mines
224 New Custom House Building
Denver 2, Colorado

Dear Sir:

Enclosed herewith is application and supporting exhibits, in quadruplicate, for D.M.E.A. loan.

We have conferred with Messrs. Stephen Steinhauser and Earl King of the Atomic Energy Commission's Richfield, Utah office in preparing this application. Should it be necessary for a field inspection of the property, we would appreciate your advising us as to the date for the inspection in order that we may contact Mr. Phillip McCary, formerly with the Atomic Energy Commission as a geologist, since he discovered and staked the claims and is more familiar with the property than anyone else.

The corporation has a drilling supervisor named John Holeman who is familiar with the exact location of this property and who can be contacted at the Marble Canyon Lodge, which is located on the west side of the Colorado River at the Navajo Bridge.

Should you desire any further information or details to be incorporated in the application, please advise us.

Very truly yours,

Universal Allied Uranium Corporation

Howard Lee Norris

Howard Lee Norris

HLN:LM
Enc.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OCT 15 1954

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

Not to be filled in by applicant

Docket No. 3532
Metal or Mineral Uranium
Date Received
Estimated Cost $65,963
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: Universal Allied Uranium Corporation, 522 1st National Bank Bldg., Dallas, Texas. Incorporated in State of Delaware and duly qualified to do business in State of Arizona. President-Treasurer: Paul M. Raigorodsky; Vice President: C. Andrade, III; Secretary: Howard Lee Norris

(*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 Schedule Attached

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

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

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

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

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

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

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

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

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

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

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

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

(*c*) The work will start within 15 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated October 8, 1954

Universal Allied Uranium Corporation
(Applicant)

By Howard Lee Norris,
Secretary

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

3. (a)

Forty three (43) mining claims located in Marble Canyon mining district, County of Coconino, State of Arizona, in Township 40 North, Range 7 East, G. & S.R. P.M. and being described as follows:

Claims		Recorded in Official Records of Coconino County, Arizona in Book	Page
El Pequito	No. 2	51	110
"	No. 3	51	111
"	No. 4	51	112
"	No. 5	51	113
"	No. 6	51	114
"	No. 7	51	115
"	No. 8	51	116
"	No. 9	51	117
"	No. 10	51	118
"	No. 11	51	119
"	No. 12	51	120
"	No. 13	51	121
"	No. 14	51	122
"	No. 15	51	123
"	No. 16	51	124
"	No. 17	51	125
"	No. 18	51	126
"	No. 19	51	127
"	No. 20	51	128
"	No. 21	51	129
"	No. 22	51	130
"	No. 23	51	131
"	No. 24	51	132
Fehfu	No. 1	51	133
"	No. 2	51	134
"	No. 3	51	135
"	No. 4	51	136
"	No. 5	51	137
"	No. 6	51	138
"	No. 7	51	139
"	No. 8	51	140
"	No. 9	51	141

3. (a) contd.

Claims		Recorded in Official Records of Coconino County, Arizona, in Book	Page
Fehfu	No. 10	51	142
"	No. 11	51	143
"	No. 12	51	144
"	No. 13	51	145
"	No. 14	51	146
"	No. 15	51	147
"	No. 16	51	148
"	No. 17	51	149
"	No. 18	51	150
"	No. 19	51	151
"	No. 20	51	152

NOTE: See Claim Map attached hereto and marked "Exhibit 4-C-1".

3. (e) There exist against the property the following:

1. A payment out of production to McCary-Beacom Company, 2155 East 7th Street, Los Angeles 23, California, the sum of $72,500.00 payable on the following basis:

   (a) On ore containing .20% to .30% uranium oxide, 25% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

   (b) On ore containing .3% to .4% uranium oxide 30% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

   (c) On ore containing .4% to .5% uranium oxide, 40% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

   (d) On ore containing .5% or better of uranium oxide, 50% of the mill returns less transportation costs thereon incurred and paid by Universal Allied Uranium Corporation in excess of any transportation charges paid by the United States Government.

2. A 15% royalty on all mill or smelter returns, less transportation, said royalty being retained by McCary-Beacom Company, Los Angeles, California. This royalty is to become effective after the above production payment (3. (e) 1.) has been satisfied.

3. A 17% royalty payable only with respect to the net value of the minerals produced after the McCary-Beacom Company of Los Angeles has received in its entirety the above described production payment, said royalty to be secondary to the 15% royalty described in "2" above, the 17% royalty described herein being actually 20% of 85%.

3. (e)

3. Continued.

The over-riding royalty of 20% of 85% is owned in the following proportions:

An undivided 1/9th interest therein to each of the following:

Paul M. Raigorodsky
S. Brachman
C. Andrade, III
Roland S. Bond
Sylvester Dayson
E. E. Fogelson
B. G. Byars
J. C. Wynne

and 40% of an undivided 1/9th interest to Howard Lee Norris, and 30% of an undivided 1/9th interest therein to each of Bogart Rogers and Earl Rogers.

4. (a)

Approximately 62 holes were drilled on this property by McCary-Beacom Company, the drilling having been done with a wagon drill, but many holes were successfully probed and the indications are quite promising, a good number of the holes being highly mineralized. For location of old drill holes see maps attached hereto marked Exhibits 5-B-1 and 5-B-2. These primary holes are indicated by an encircled dot.

4. (c)

The principal geologic features of importance of the claims are Paleo stream channels in the Moenkopi with bedded deposit of Shinarump. See maps attached as Exhibits 4-C-1, 4-C-2 and 4-C-3.

4. (d)

This property is very accessible, being approximately six miles from Highway 89. The property is reached by about three miles of county road from the Marble Canyon Lodge at the Navajo Bridge and then approximately three miles of access road. Present shipping of ore would probably be to Flagstaff, a distance of 125 miles.

The nearest supply and residence point is Marble Canyon Lodge, located on U. S. Highway 89 at the Navajo Bridge. Other points are Cameron, Arizona, Flagstaff, Arizona and Kanab, Utah.

4. (e)

Manpower is readily available from the surrounding towns of Kanab and Flagstaff and Indian labor is available from the Navajo Reservation. Materials are available either from Flagstaff, Arizona or Kanab, Utah. Supplies are available at the Marble Canyon Lodge, Cameron, Arizona, Flagstaff, Arizona, and Kanab, Utah.

Equipment such as bull dozers and trucks are available from either Flagstaff, Arizona or Kanab, Utah. Mining equipment would probably have to come from either Denver, Colorado, Grand Junction, Colorado or Salt Lake City, Utah.

Water is readily available from the Colorado River at Lee's Ferry, which is approximately 5 miles from the property. Power in the form of electrical power is not available at all but both gasoline and butane-propane or L. P. gas are available at Marble Canyon Lodge.

5. (b)

It is proposed that a drilling program be conducted on the described property consisting of dust and sample catching, probing and logging of holes and some coring to determine contact point of the Shinarump and Moenkopi. See attached maps Nos. 5-B-1 and 5-B-2 prepared by Phillip McCary of Los Angeles, California showing location of proposed drill sites.

Messrs. Stephen Steinhauser and Earl King of the Atomic Energy Commission at Richfield, Utah have recommended that fewer holes be drilled in the center of channels and more fence patterns be used. They also recommend keeping the program highly flexible.

5. (d)

Applicant corporation is composed of eight stockholders who are experienced and successful individual oil men, engineers and refiners. All of these stock holders have had extensive experience in business. Mr. Phillip McCary of McCary-Beacom Company, Los Angeles, California, discoverer of the property, is to lend his experience and knowledge by making frequent trips to the property in order to observe the progress of the drilling program. Mr. McCary was employed as geologist with the Atomic Energy Commission for several months and has for approximately a year had his own company which is primarily engaged in prospecting for uranium. Mr. McCary supervised the primary drilling program which was conducted on this property.

Applicant will also use the services of Dr. Charles Yetter of Grand Junction, Colorado who is a registered mining engineer. Applicant understands that Dr. Yetter as a consultant has had a great deal of experience in all phases of the exploration and mining of uranium ores.

Applicant has in its employ a Mr. John Holeman who is experienced in supervising core drilling programs and mining. Mr. Holeman was formerly with the LaSalle Mining Company of Grand Junction, Colorado. The actual drilling will be done by a competent bonded drilling contractor. The names of drilling contractors asked to bid on this project were taken from a list prepared by the Atomic Energy Commission at Grand Junction, Colorado.

6. (a)

1. Rotary Drilling	Approx. 30,625' @ $1.50 per foot	$45,937.50
2. Coring	Approx. 400' @ $4.00 per foot	1,600.00
3. Bull Dozing:		
(a) Preparation of access road - approx.		9,000.00
(b) Preparation of roads to drill sites and drill site locations - approximately		6,000.00

6. (b)

1. Supervision of drilling program.	$475.00 per month for approx. 3 months	1,425.00
2. Geological consultant	Approx. 15 days @ $100.00 per day and expenses	2,000.00

6. (c) None
6. (d) None
6. (e) None
6. (f) None
6. (g) None
6. (h) None

TOTAL $65,962.50

7. (b)

The applicant corporation presently has on deposit Eighteen Thousand One Hundred Ninety One and no/100 Dollars ($18,191.00) and in a Trust Account the sum of Twelve Thousand Three Hundred Fifty Three and 49/100 Dollars ($12,353.49). The members of the corporation are prepared to furnish any additional sum necessary to cover applicant corporation's share of exploration costs.

BOOM ...
KNOXVILLE 2, TENN.

OFFICIAL BUSINESS

Operating Committee
Defense Minerals Exploration Admin.
U.S. Dept Interior
Washington 25, D.C.

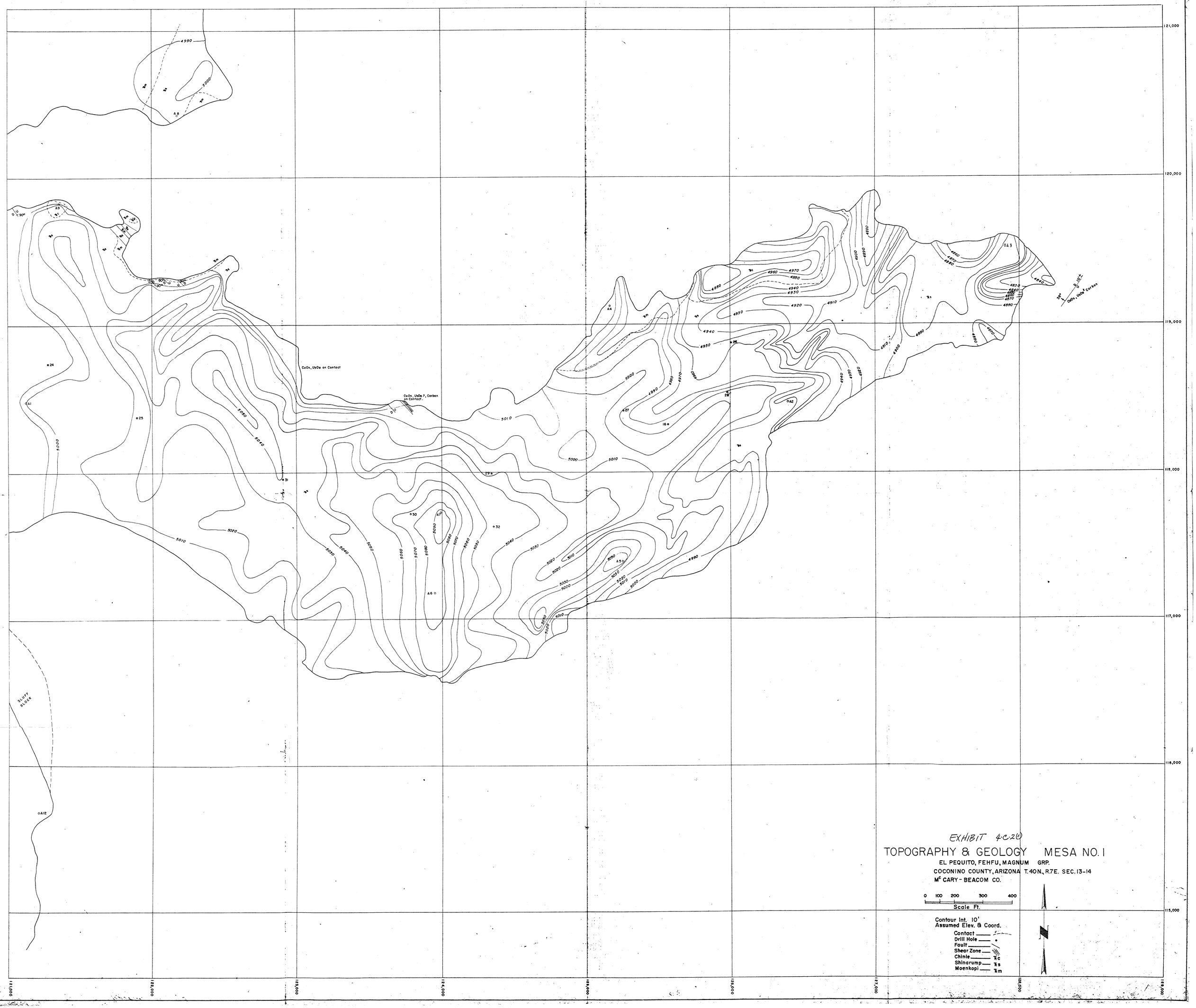


EXHIBIT 4C-20
TOPOGRAPHY & GEOLOGY MESA NO. 1
EL PEQUITO, FEHFU, MAGNUM GRP.
COCONINO COUNTY, ARIZONA T.40N., R.7E. SEC. 13-14
Mc CARY - BEACOM CO.
0 100 200 300 400
Scale Ft.
Contour Int. 10'
Assumed Elev. & Coord.
Contact
Drill Hole
Fault
Shear Zone
Chinle Rc
Shinarump Rs
Moenkopi Rm
CuOx, UsOa on Contact
CuOx, UsOa ?, Carbon on Contact.
CuOx, UsOa & Carbon
BLUFF BLOCK
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

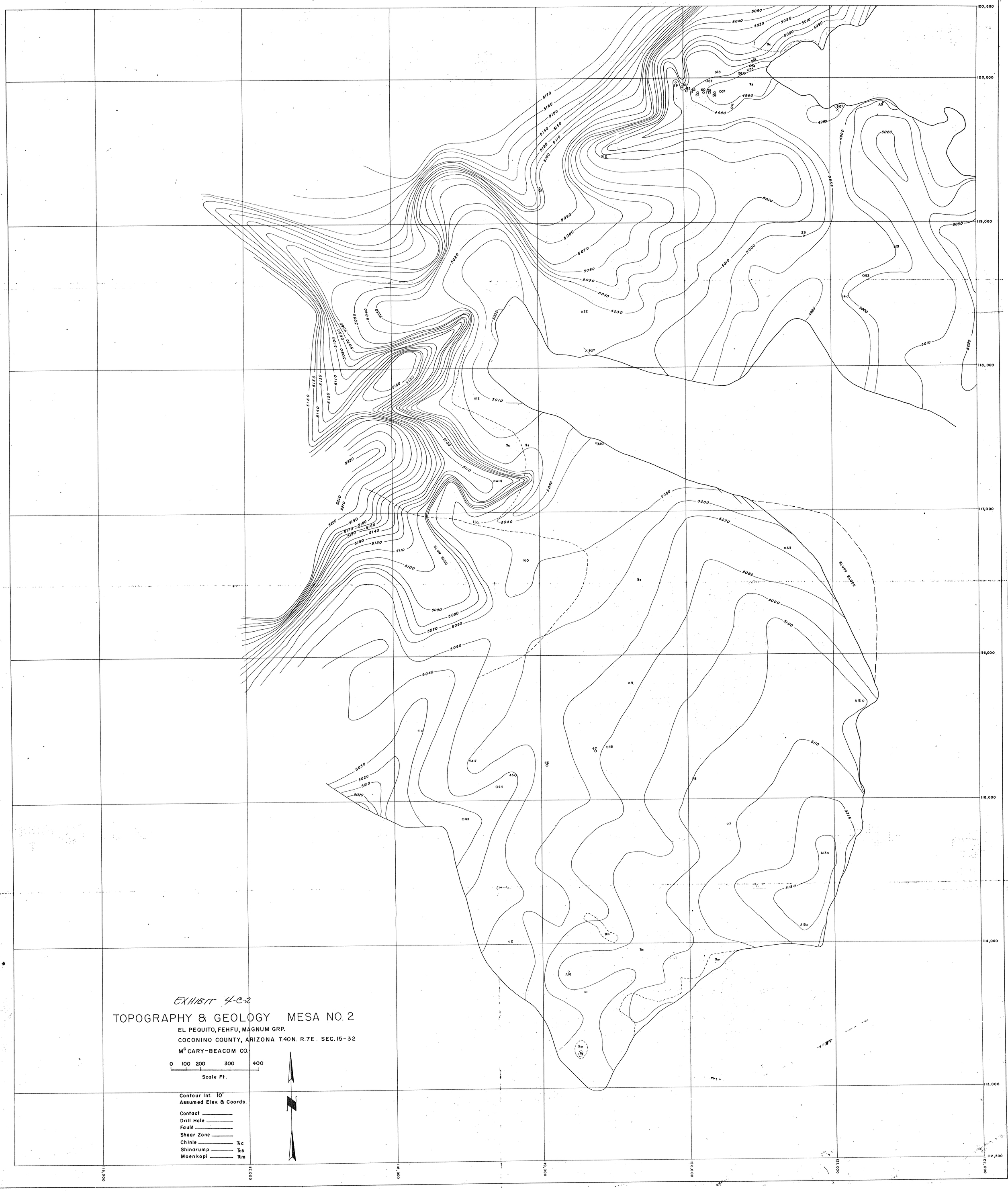
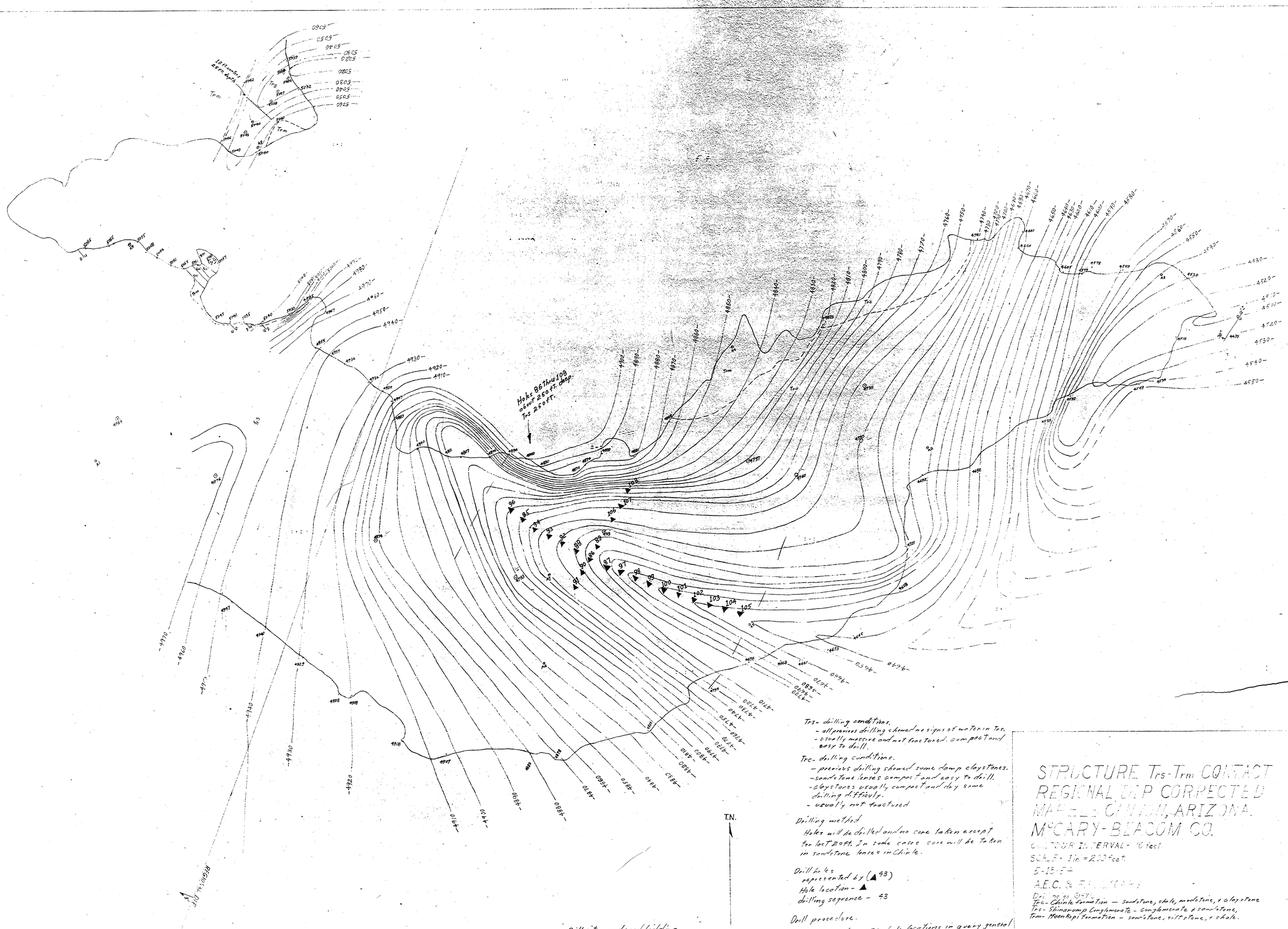


EXHIBIT 4-C-2
TOPOGRAPHY & GEOLOGY MESA NO. 2
EL PEQUITO, FEHFU, MAGNUM GRP.
COCONINO COUNTY, ARIZONA T.40N. R.7E. SEC.15-32
McCARY-BEACOM CO.
0 100 200 300 400
Scale Ft.
Contour Int. 10'
Assumed Elev. & Coords.
Contact
Drill Hole
Fault
Shear Zone
Chinle Ꞧc
Shinarump Ꞧs
Moenkopi Ꞧm
BLOW SAND
SLUFF BLOCK
120,500
120,000
119,000
118,000
117,000
116,000
115,000
114,000
113,000
112,500
116,000
117,000
118,000
119,000
120,000
121,000
122,000



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 cay 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

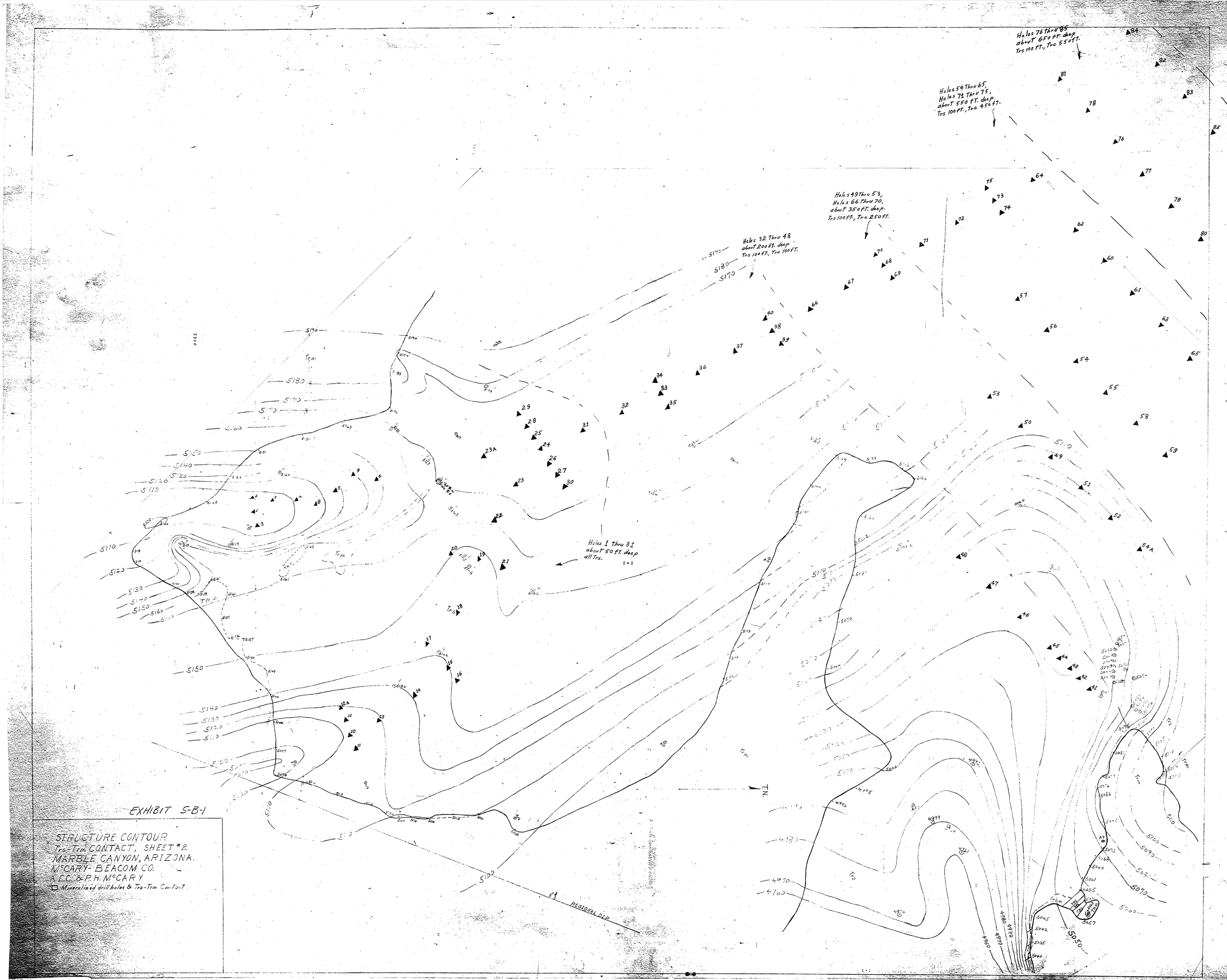
Drill procedure.

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
MA[illegible] CANYON, ARIZONA.
McCARY-BEACOM CO.

CONTOUR INTERVAL - 10 feet.
SCALE - 1 in = 200 feet.
5-18-54
A.E.C. & [illegible]
Drill holes [illegible]
Trc - Chinle formation — sandstone, shale, mudstone, & claystone
Trs - Shinarump Conglomerate - Conglomerate & sandstone,
Trm - Moenkopi formation — sandstone, siltstone, & shale.

EXHIBIT 5-B-2


Holes 76 Thru 85
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.
Trm
Trs
T.N.
REGIONAL DIP
EXHIBIT S-B-1
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

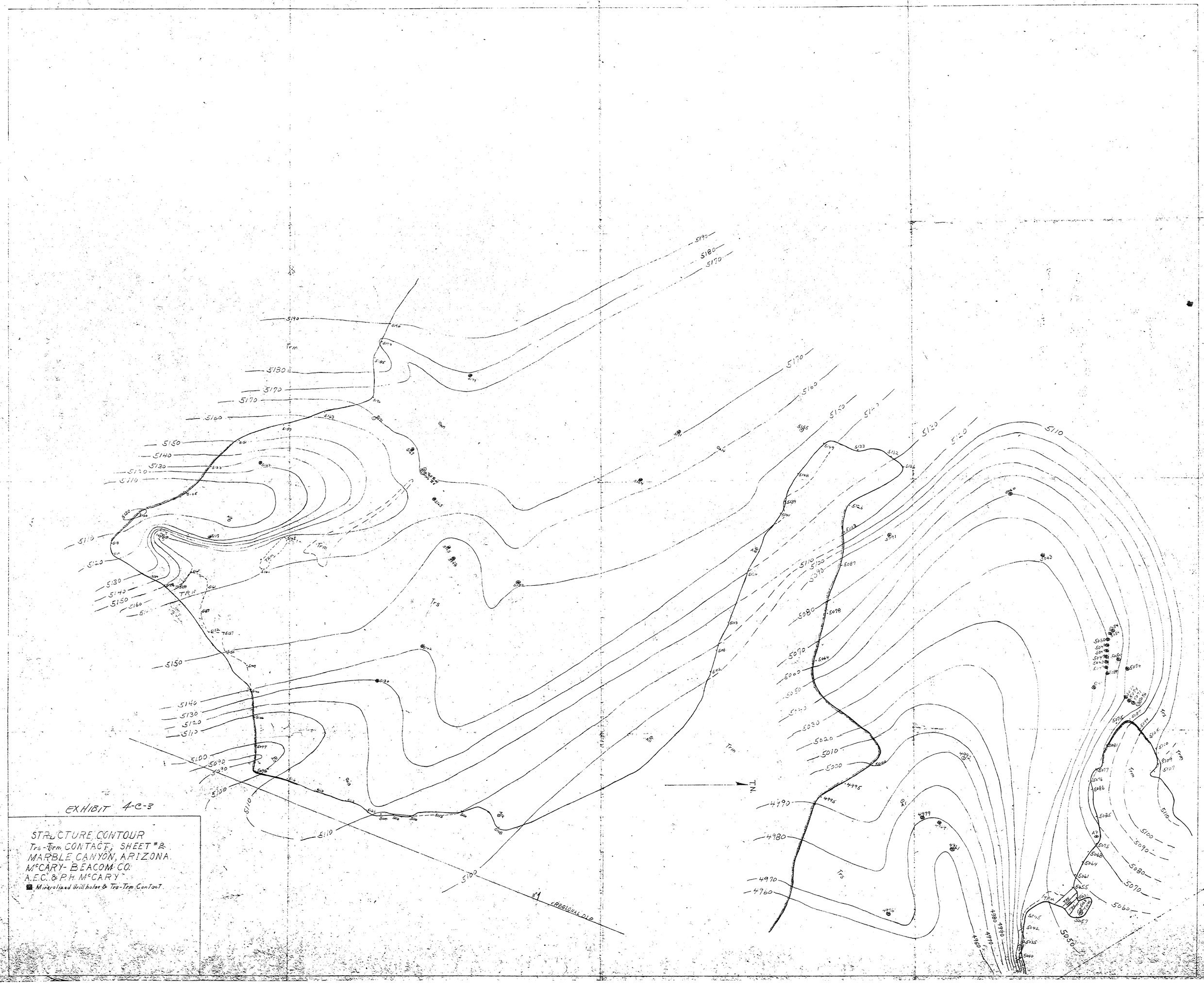


EXHIBIT 4-C-3
STRUCTURE CONTOUR
Trs-Trm CONTACT, SHEET #2
MARBLE CANYON, ARIZONA
McCARY-BEACOM CO.
A.E.C. & P.H. McCARY
Mineralized drillholes & Trs-Trm Contact
Trm
Trs
TR14
TRM
T.N.
REGIONAL DIP

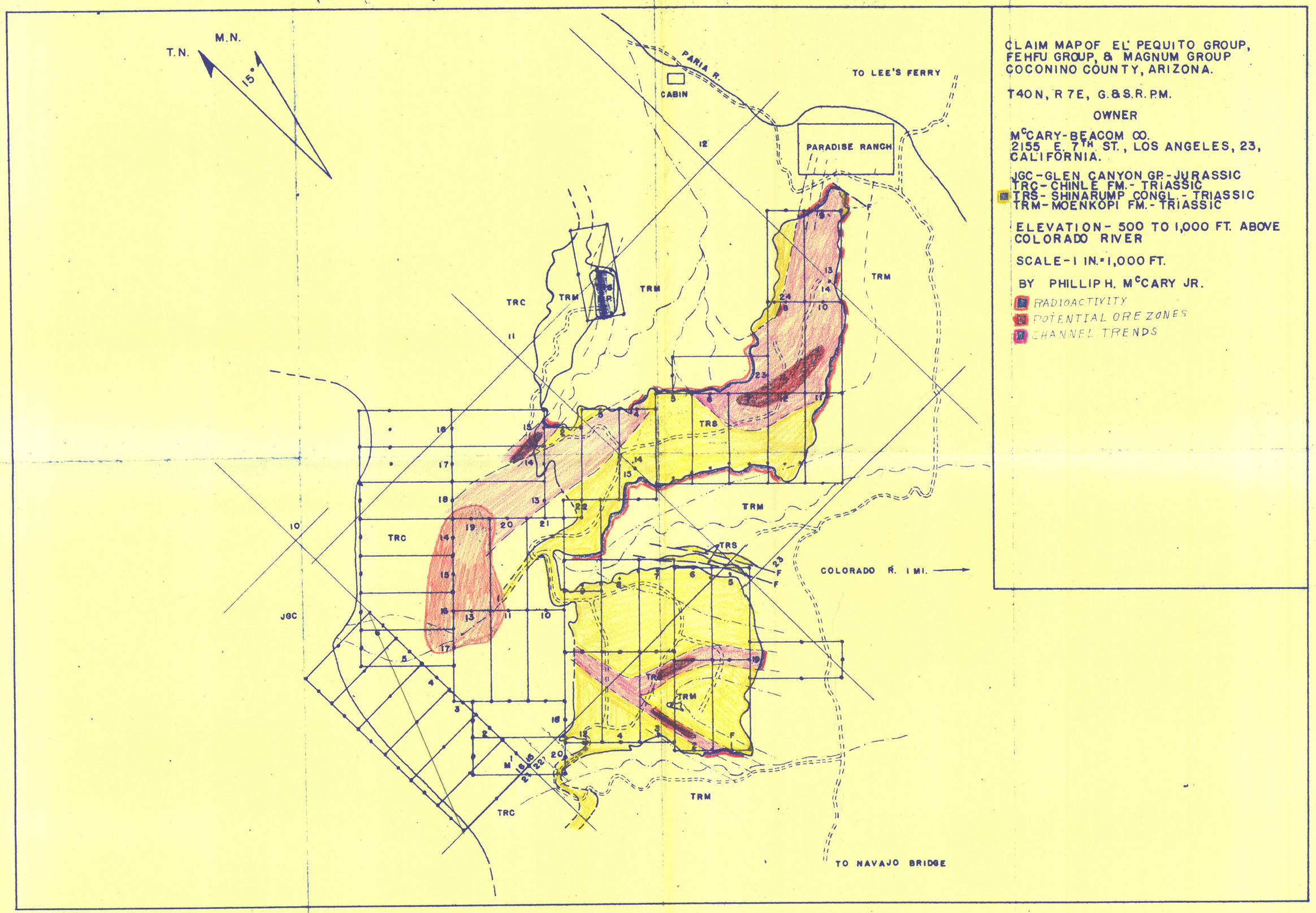

CLAIM MAP OF EL PEQUITO GROUP,
FEHFU GROUP, & MAGNUM GROUP
COCONINO COUNTY, ARIZONA.
T40N, R7E, G.&S.R.P.M.
OWNER
McCARY-BEACOM CO.
2155 E. 7TH ST., LOS ANGELES, 23,
CALIFORNIA.
JGC-GLEN CANYON GR.-JURASSIC
TRC-CHINLE FM.-TRIASSIC
TRS-SHINARUMP CONGL.-TRIASSIC
TRM-MOENKOPI FM.-TRIASSIC
ELEVATION-500 TO 1,000 FT. ABOVE
COLORADO RIVER
SCALE-1 IN.=1,000 FT.
BY PHILLIP H. McCARY JR.
RADIOACTIVITY
POTENTIAL ORE ZONES
CHANNEL TRENDS
M.N.
T.N.
15°
PARIA R.
CABIN
TO LEE'S FERRY
PARADISE RANCH
TRC
TRM
TRS
JGC
COLORADO R. 1 MI.
TO NAVAJO BRIDGE

EXHIBIT 4-C-1

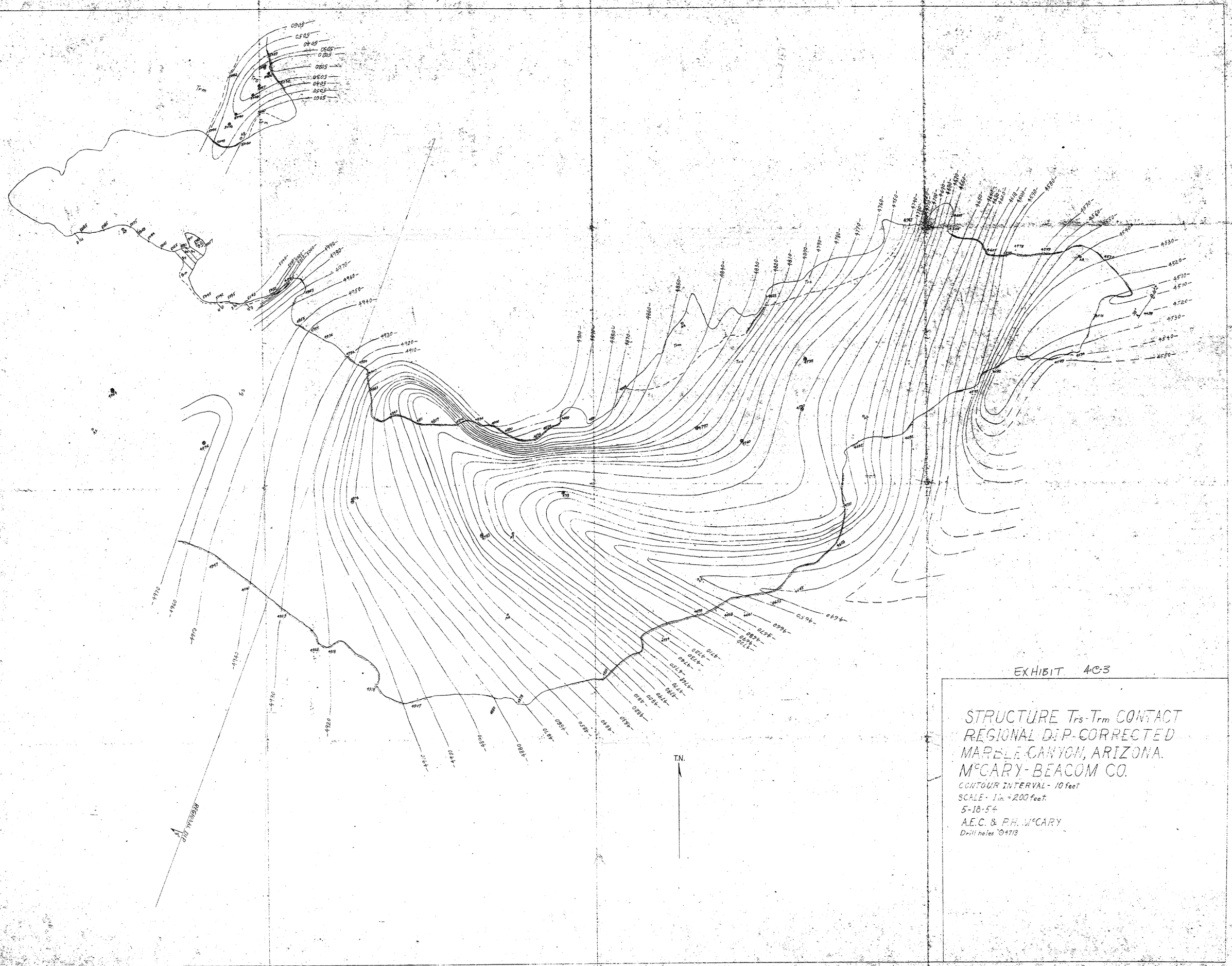


EXHIBIT 4-C-3

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