Surname copy

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

National Exploration Company
c/o Geo-Engineering
304 Main Street
Grand Junction, Colorado

NOV 25 1955

Re: Docket No. DMEA-3751 (Uranium)
Dog and Hope Group
San Miguel County, Colorado

Gentlemen:

Reference is made to our letter dated October 25, 1955, in which we stated that the subject docket would be considered closed unless certain information required to process the captioned application had reached this office on or before November 25. No answer to our letter having been received, we therefore inform you that the subject docket is considered closed effective as of that date.

This is without prejudice to the merits of your proposed project. We regret the necessity of this action and express appreciation for your interest in the exploration program during the period your application has been under consideration.

Sincerely yours,

C. O. Mitchell

Administrator

MChing/gla
11-28-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700)
Mr. Ching)
DMEA FieldTeam, Region III (2)

Surname copy 700

Ching
Ellis

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

OCT 25 1955

National Exploration Company
c/o Geo-Engineering
304 Main Street
Grand Junction, Colorado

Re: Docket No. DMEA-3751 (Uranium)
Bog and Hope Group
San Miguel County, Colorado

Gentlemen:

Reference is made to our letter of August 3, yours of August 10 signed by Edith M. Park, and telephone conversation of September 2, 1955, between Mr. Louis Gaggini and Grace L. Ault, concerning the subject application.

Since the requested information has not been received and Mr. Gaggini did not meet with us in Washington as planned, this is to advise you that if the needed data has not been received within thirty days from the date of this letter, we will then consider the docket closed.

Sincerely yours,

Frank E. Johnson

Acting Administrator

MChing/gla
10-24-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.G.L.

700

ELR.
GLC

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

September 2, 1955

Memorandum

To: Mr. Ellis

From: Grace L. Ault

Re: DMEA-3751, National Exploration Co. (Geo-Engineering)
DMEA-3633, Apex Uranium, Inc.
DMEA-3645, Apex Uranium, Inc.
DMEA-3722, Apex Uranium, Inc.

During your absence today at noon, Mr. Louis Gaggini of Geo-Engineering telephoned from New York City, especially with respect to Docket DMEA-3751, National Exploration Company. Over Mr. Mittendorf's signature, we had advised them that the docket would be closed within 30 days from the date of our letter, August 3, 1955. He said the time was up today, and because he was in New York they could not, of course, get the information in by the deadline. I told him that as long as we had assurance that information would be submitted, the closing date was flexible and that the docket would be held open.

He said to tell you that he would be in the East for three weeks, and during that time he expects to make a trip to Washington, and would drop in to talk with you.

With respect to the first two Apex dockets listed above, he said he had submitted a new application to Apex Uranium for approval and signature, and he thought it should be coming along shortly.

On the last named Apex docket, Region III has conducted the field examination (he did not give the date), and he thought the report would be coming in before too long.

Grace Ault

Grace Ault

8/12/55 gla

LOUIS P. GAGGINI
CHIEF GEOLOGIST

LEWIS D. ANDERSON
MINING ENGINEER

HAROLD A. CULP
GEOLOGIST-GEOPHYSICIST

GEO-ENGINEERING

304 MAIN STREET • ROOM 15
GRAND JUNCTION, COLORADO
PHONE 3663

August 10, 1955

Mr. C. O. Mittendorf, Administrator
U. S. Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA-3751 (Uranium)
Bog and Hope Group
San Miguel County, Colorado

Dear Sir:

Thank you for your letter of August 3, 1955. At the present time all of the partners of Geo-Engineering are out of town, however the additional information on the Bog and Hope Group will be forwarded to you within thirty days.

Very truly yours,

GEO-ENGINEERING

Edith M. Park

ep

RECEIVED
AUG 12 1955

Surname 700

Ching
Ellis

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

AUG - 3 1955

National Exploration Company
c/o Geo-Engineering
301 Main Street
Grand Junction, Colorado

Re: Docket No. DMEA-3751 (Uranium)
Bog and Rope Group
San Miguel County, Colorado

Gentlemen:

Reference is made to our letter of May 2, and yours of May 20, 1955, regarding the subject application.

You indicated that you were preparing to forward some additional information which might enable us to proceed with the processing of your application, but, to date, we have received no such information.

We wish to cooperate with you in the matter of allowing ample time but if the needed data has not been received within thirty days from the date of this letter, we will then consider the docket closed.

Sincerely yours,

C. O. Mittendorf

Administrator

MChing:am
8-2-55
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Killsgaard, Rm. 5222
J. O. Hosted, Rm. 3210, OSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

RCH.

5/24/55-gla

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

May 20, 1955

Mr. C. O. Mittendorf, Administrator
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA-3751 (Uranium)
Bog and Hope Group
San Miguel County, Colorado

Dear Mr. Mittendorf:

Thank you for your letter of May 2, 1955.

We are at present prepaing a supplemental report which will present the ideas discussed during the conference with your staff members earlier this month.

The supplemental report may modify the application so that the proposed Stage I drilling will consist of just one line of holes drilled on 200 foot spacings normal to the trend.

Our client, National Exploration Company, intends to drill one hole for assessment work on these claims but we do not think it worth while to wait for the information from this one hole to submit the report mentioned above. Information from one hole will not be indicative. To illustrate, we submit for your study two logs from holes drilled 500 feet apart on the Bachelor claims, (Docket No. DMEA-3555). The log for Drill Hole No. B-4 was barren and might have condemened the entire property. The second Hole No. B-15 penetrated 2½ feet of ore.

We hope that after you receive the additional information we are preparing you will consider the recommeneded project more favorably and will continue to process the application.

Thank you very much.

Sincerely yours,

GEO-ENGINEERING

by Louis P. Gaggini
Louis P. Gaggini
by L. O. A.

cc: W. P. Williams
T. Kiilsigaard
E. N. Harshman
National Exploration Company

DRILL HOLE LOG

GEO ENGINEERING

Logged For: W. A. Greer

Type of Drill: Rotary

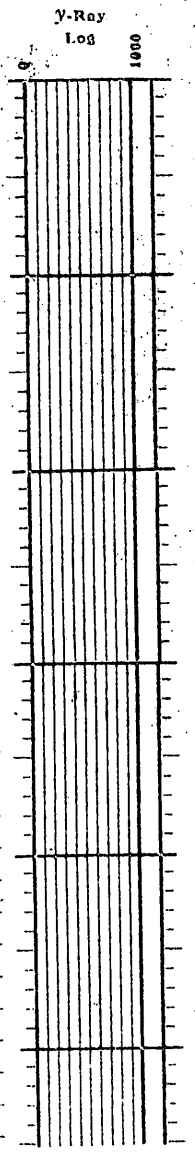
Drill-hole No.: P-4
Total depth: 425
Collar elev.: 6895 T. P
Area: Bull Canyon

COORDINATES
North: 99,855 East: W 202,350
Tie: N 45° W, 70' from S. E. Cor. Bachelor 3

Claim: Bachelor # 3
Date started: 12-27-54
Date completed: 12-30-54
Logged by: Southern Geophysical

Summary of log: Semi-Favorable; OBSS 362-444 Thick 60'; SS color Wh-Br; MS R; Cbn under OBSS R

DEPTH From	DEPTH To	Rock	Color	Grain	Carbon	REMARKS
0	1					Surface
1	17	SS				With Yw clay stringers
17	50	SS				Sandy Gy shale
50	52	ST	dark gn			
52	215	MS				Variegated with hard limey, silty ribs of SS
215	217	SS	lt Br			
217	260	Shale	Bl & R			
260	272	SS	Br			
272	284	MS	Bl			
284	300	MS	R			Some SS ribs
300	302	SS	Yw			
302	306	Shale	Dk Br			
306	320	Shale	Bl			and Limestone
320	323	Shale	R			
323	325	SS	Br			
325	330	Shale	Gy			Sandy
330	334	SS	Wh			and Shale
334	340	SS	Br & Wh			
340	348	SS	R			
348	354	SS	Wh			
354	362	Shale	R			
362	405	SS	Wh			
405	414	SS	Br			
414	416	Shale	R			
416	422	SS	Wh & Br			
422	425	Shale	R			
425	431	Shale	R-Bl			
431	445	SS	Gy			
445	455	Shale	R-Bl			
455	459	LS				
459	461	Shale	R-Bl			Sandy
461	475	SS	Bl			Red Shale



SAMPLE BASE	SAMPLE THICK	LAB ASSAY (%) U_3O_8	LAB ASSAY (%) V_2O_5	FIELD EST. (%) U_3O_8	FIELD EST. (%) V_2O_5

Abbreviations

Wh—white	CG—conglomerate
Br—brown	SS—sandstone
R—red	MS—mudstone
Gy—gray	ST—siltstone
Bl—blue	F—fine
Gn—green	M—medium
Yw—yellow	C—coarse
Bk—black	N—none
Pp—purple	S—sparse
Cbn—carbon	A—abundant
OBSS—ore bearing sandstone	

Hole No. P-4

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COLORADO PRINTING CO., GRAND JUNCTION

DRILL HOLE LOG

GEO ENGINEERING

Logged For Climax Minerals Inc.

Type of Drill Core

W. A. Greer

Drill-hole No. B 15
Total depth 420
Collar elev. 6910 T P
Area Bull Canyon

COORDINATES
North 99,480 East 202,485
Tie N 42°W, 197' from
S.E. Cor. Bachelor #1

Claim Bachelor # 1
Date started 2--9-55
Date completed 2-17-55
Logged by A. E. C.

Summary of log Ore; OBSS 375-402 Thick 27; SS color Gy; MS Gy-Gn; Cbn.
under OBSS R

DEPTH From	DEPTH To	Rock	Color	Grain	Carbon	REMARKS
0	368					Plug Bit
368	375	Ms	R			
375	378.1	SS	D Gy	F		
378.1	379.9	SS	L Gy	F		Weak V. sampled
379.9	380.9	Ore	D Gy	F		Good V & U sampled
380.9	381.9	Ore	D Gy	F		Good V & U sampled
381.9	382.4	Ore	Black	F		Good V & U sampled
382.4	383.4	Ore	L Gy	F		Fair V No U sampled
383.4	385.0	Ms	D Gy		A	Min? "
385	387	Ms	Gy-Gn			
387	402	SS	L Gy	F-M		
402	420	Ms	R			Some Gy-Ms, Sts & SS

γ-Ray Log 0 1000

SAMPLE BASE	SAMPLE THICK	LAB ASSAY (%) U_3O_8	LAB ASSAY (%) V_2O_5	FIELD EST. (%) U_3O_8	FIELD EST. (%) V_2O_5
378.1	379.9		0.04	0.01	
379.9	380.9	0.23	2.04	0.26	
380.9	381.9	0.22	1.26	0.31	
381.9	382.4	0.21	2.56	0.21	
382.4	383.4	0.03	0.97	0.03	
383.4	385.0		0.05	0.01	

Base	thickness	%U_3O_8	% V_2O_5	%$CaCO_3$
382.4	2-5	0.22	1.83	6.2

Abbreviations

Wh—white	CG—conglomerate
Br—brown	SS—sandstone
R—red	MS—mudstone
Gy—gray	ST—siltstone
Bl—blue	F—fine
Gn—green	M—medium
Yw—yellow	C—coarse
Bk—black	N—none
Pp—purple	S—sparse
Cbn—carbon	A—abundant

OBSS—ore bearing sandstone

Hole No. B-15

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COLORADO PRINTING CO., GRAND JUNCTION

Surname copy

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

Ching
Ellis
Sechan
Kilsgaard
Selfridge
Johnson

MAY - 2 1955

National Exploration Company
c/o Geo-Engineering
304 Main Street
Grand Junction, Colorado

Re: Docket No. DMEA-3751 (Uranium)
Beg and Hope Group
San Miguel County, Colorado

Gentlemen:

We have reviewed your application for aid in an exploration project and have concluded that it contains insufficient information of a favorable nature to justify further processing at this time.

We note particularly that the presence of definite target areas on the property has not been established and the favorable Salt Wash member of the Morrison formation is covered by a considerable thickness of Brushy Basin sediments.

Under these circumstances, you may wish to drill a few preliminary diamond-drill holes for your own account in order to secure more conclusive evidence of the presence of mineralization or of the "patches of favorable ground" described in your application.

Pending word from you in this regard we shall hold your application in abeyance. However, it would be appreciated if you would advise us as soon as possible whether or not it is your intention to do such preliminary work as it would not be possible for us to hold your application in abeyance indefinitely.

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/gla
(4-25-55)
4-28-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.C.S.

4/19/55 gl

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

April 18, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3751, National Exploration Company, Bog and Hope group of claims, San Miguel County, Colorado

I have reviewed the attached application of the National Exploration Company, DMEA Docket 3751, and have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We suggest that the application be denied. No evidence of uranium mineralization on the Bog and Hope claims was given in the application, nor was there any indication of any initial prospecting by National Exploration Company on the property. The fact that the Bog and Hope group of claims lies just south of the Slick Rock section of the Uravan Mineral Belt does not appear to be sufficient justification for assistance to the National Exploration Company.

John E. Crawford
John E. Crawford

Attachment

Copy to: Division of Minerals
Branch of Rare & Precious Metals
J. O. Hosted (2)
J. E. Crawford (2)

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

April 18, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

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John E. Crawford

Attachment

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Branch of Rare & Precious Metals
J. O. Hosted (2)
J. E. Crawford (2)

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

April 18, 1955

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John L. Crawford

Attachment

Copy to: Division of Minerals
Branch of Rare & Precious Metals
J. O. Hosted (2)
J. L. Crawford (2)

4/12/55-gla

IN REPLY REFER TO:

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

Defense Mineral
RECEIVED
APR 12 1955

April 11, 1955

Re: DMEA-3751
National Exploration Company
(Bog & Hope Claim Groups)
San Miguel Co., Colo.
$88,580 - Uranium

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The applicant has proposed a two-stage drilling project to explore the favorable ore zone in the upper part of the Salt Wash member.

Stage I -- (on 600 foot by 1000 foot grid)
15 holes -- (240 - 640 foot depths)
Total footage -- 5,950 feet

Stage II --
25 holes -- 400 foot average depth
Total footage -- 10,000 feet

The operator's consultants, the Geo-Engineering firm, believe DMEA assistance is geologically justified for the following reasons:

1.) The location of the Bog and Hope Group of claims in the Uravan mineral belt.

2.) The claims are 800 feet east of the Sarah Ellen mine, which has produced a small tonnage of uranium ore.

3.) The possibility that the claims lie along the N. 70° W. trend of ore deposits in the general area.

4.) The presence of the Parrot, Mucho Grande and the Horseshoe mines about 2.5 miles southeast of the applicant's claims.

Drilling by the U.S.G.S. in section 33, T. 43 N. and R. 18 W., which lies southwest of the operator's property and west of the Dolores River, indicates the Salt Wash is semi-favorable as a potential source of uranium ore in the general area. It is possible that similarly classified ground exists on the Bog and Hope claims.

I recommend the application be referred to the Field Team for their review and an examination report.

E. L. Newcomb

E. L. Newcomb

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
APR 12 1955

April 11, 1955

Re: DMEA-3751
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(Bog & Hope Claim Groups)
San Miguel Co., Colo.
$88,580 - Uranium

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K. L. Newcomb

KLNewcomb:hlm
G-4/11/55

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

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
APR 12 1955

April 11, 1955

Re: DMEA-3751
National Exploration Company
(Bog & Hope Claim Groups)
San Miguel Co., Colo.
$88,580 - Uranium

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E. L. Newcomb

ELNewcomb:hlm
G-4/11/55

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

IN REPLY REFER TO:

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

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 12 1955

April 11, 1955

Re: DMEA-3751
National Exploration Company
(Bog & Hope Claim Groups)
San Miguel Co., Colo.
$88,580 - Uranium

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E. L. Newcomb

ELNewcomb:hln
G-4/11/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3041 Interior

National Exploration Company
C/o Geo-Engineering
304 Main Street
Grand Junction, Colorado

April 5, 1955
Subject: DMEA 3751
Re: Exploration Assistance
Bog and Hope Group

Gentlemen:

The receipt of your application dated March 17, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3751 and referred to the Rare and Miscellaneous Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

April 5, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

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 III.

DMEA - 3751 National Exploration Company

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

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

224 New Customhouse
Denver 2, Colorado

March 30, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA assistance (Uranium), National Exploration Company, Bog and Hope Group of Claims, San Miguel County, Colorado

Enclosed are the original and two copies of the subject application for Government assistance to explore the applicant's property for uranium at an estimated cost of $88,580.00.

The presence of definite target areas on the property has not been established. We believe that National Exploration Company should be required to do the preliminary prospecting work to establish target areas to be further explored under the DMEA program.

One copy of this application has been retained in this office.

W. M. Traver

Enclosures

W. M. Traver

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

224 New Customhouse
Denver 2, Colorado

APR - 1 1955

March 30, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

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The presence of definite target areas on the property has not been established. We believe that National Exploration Company should be required to do the preliminary prospecting work to establish target areas to be further explored under the DMEA program.

One copy of this application has been retained in this office.

W. M. TRAVER

Enclosures

W. M. Traver

APPLICATION FOR DMEA PROJECT

ON THE

BOG & HOPE GROUP

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR - 1 1955

March 17, 1955

Prepared for

NATIONAL EXPLORATION COMPANY

904 Citizen's State Bank Building

Houston, Texas

by
Geo-Engineering
304 Main Street
Grand Junction, Colorado

DMEA
Date Rec'd.

MAR 28 1955

BUREAU OF MINES
Denver, Colorado

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3751
Metal or Mineral Uranium
Date Received 4-1-55
Estimated Cost $88,580
Participation (Government %)

RECEIVED APR - 1 1955

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: National Exploration Company
904 Citizen's State Bank Building
Houston, Texas

(*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. Delaware Corporation

(*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
Bog and Hope Group (10 claims) in Mineral Mountain Area, Lower San Miguel Mining District, San Miguel County, Colorado in Section 26, Township 43 North, Range 18 West, New Mexico Principal Meridian.

(*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
(see Exhibit 2, 3 and 4)

(*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 No liens or encumbrances

(*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.

16—66551-1

Exhibit 1

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

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

(*c*) The work will start within 30 days and be completed within 12 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[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 March 17, 1955

National Exploration Company
(Applicant)

By Patrick W. Brady

attest:
Ellis J. Morris, 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

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT OF THE BOG AND HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BANK BUILDING, HOUSTON, TEXAS

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FOR LIST OF SCHEDULES, EXHIBITS, FIGURES, AND PLATE, SEE NEXT PAGE

Card record from Mails& Files states:

Address all correspondence to

Geo-Engineering
304 Main Street
Grand Junction, Colorado

When, or if, application is referred to field, send copy of letter to:

Mr. Patrick W. Brady, President & Director
National Exploration Company
904 Citizen's State Bank Building
Houston, Texas.

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT OF THE BOG AND HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BANK BUILDING, HOUSTON, TEXAS

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COMPLETED DMEA FORM MF-103	1
QUIT CLAIM DEED-OLIVER, BUSS, GOLDSWORTHY TO BRADY	2
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QUIT CLAIM DEED-BRADY TO NATIONAL EXPLORATION COMPANY	4
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EXPERIENCE RECORD OF PATRICK W. BRADY & FRED W. HOWELLS	37

PLATE

Title	Plate No.
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GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE BOG AND HOPE GROUP
Prepared for
NATIONAL EXPLORATION COMPANY
904 Citizens State Bank Building
Houston, Texas

INTRODUCTION

This report, on the Bog and Hope Group of claims, San Miguel County, Colorado, is written by Geo-Engineering for NATIONAL EXPLORATION COMPANY, 904 Citizens State Bank Building, Houston, Texas, for the purpose of applying for a DMEA loan on these claims. The DMEA Form MF-103 has been signed and is attached as Exhibit I. Numbers and letters in front of the headings of this report refer to the divisions and parts of the MF-103.

ABSTRACT

This report, with Form MF-103 (numbers and letters of headings in this report refer to parts of Form MF-103) attached as Exhibit I, is an application for a Defense Mineral Exploration Administration project contract of the short form or unit cost type. A total of 15,950 feet of core drilling is proposed on the Bog and Hope Group of uranium claims in the Joe Davis Hill district of the Slick Rock area of San Miguel County, Colorado. A $88,580.00 project at a unit cost of $5.44 per foot is estimated for this work. Not included in this unit cost is an estimated $2,100.00 for custom assaying that is, however, included in the total proposed expenditure. The Defense Mineral Exploration Administration is asked to loan $66,435.00 with NATIONAL EXPLORATION COMPANY furnishing 25% or $22,145.00 of the total expenditure.

Location for 15 holes of Stage I drilling are shown on Plate I. As the work progresses, it may become evident that some of these proposed holes may fall in areas that are geologically unfavorable for ore. It is requested, therefore, that these unfavorable holes be omitted and the footage saved be transferred, with the permission of the DMEA Field Team, to more favorable parts of the Bog and Hope Group.

The Bog and Hope Group lies on the east rim of the Dolores River just to the south of the Slick Rock section of the "Uranium Mineral Belt" as defined by the United States Geological Survey in their Bulletin 988-A (see Figure I).

Competent contractors and materials needed for the project are readily available in the Naturita and Dove Creek areas of Colorado. Personnel of the Geo-Engineering will act as consulting geologists for the project.

1. NAME OF APPLICANT

a. NATIONAL EXPLORATION COMPANY, 904 Citizens State Bank Building, Houston, Texas. (Please address all correspondence regarding application to Geo-Engineering, 304 Main Street, Grand Junction, Colorado.)

b. NATIONAL EXPLORATION COMPANY is a Delaware corporation with principal offices at 904 Citizens State Bank Building, Houston, Texas.

c. The company officers are:

President and Director
Patrick W. Brady
515 San Jacinto Building
Houston, Texas

Vice-President and Director
Ernest W. Bartlett
417 Gulf Building
Houston, Texas

Vice-President, Assistant Secretary and Director
J. T. Trotter
712 Citizens State Bank Building
Houston, Texas

Secretary and Director
Ellis F. Morris
904 Citizens State Bank Building
Houston, Texas

d. Omitted - Not a partnership.

2. GENERAL

The following report, which is the completed DMEA application written in accordance with the instructions given in DMEA Order No. 1, includes the completed Form MF-103 and all of the necessary substantiating papers.

The letters and numbers used as headings for the parts of this report refer to the letters and numbers on Form MF-103 as this report is designed to fill in the information that, due to space limitations, could not be placed on the MF-103 Form.

In accordance with instructions given to Form MF-103, this report will be filed in quadruplicate, at the office of Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region IV, 224 New Customhouse Building, Denver, Colorado.

3. APPLICANTS PROPERTY RIGHTS

a. & b. Legal Description and Name of Property

Exploration work is to be performed on 10 unpatented mining claims referred to in this report as the Bog and Hope Group. This group is located in the north and east part of Section 26 of Township 43 North, Range 18 West, New Mexico Principal Meridian, in the Lower San Miguel Mining District, San Miguel County, Colorado (see Figure 3).

c. Interest

NATIONAL EXPLORATION COMPANY obtained the Bog and Hope Group through an exchange of capital stock with Mr. P. W. Brady for the property. Mr. Brady acquired the property through Quitclaim Deeds from Messrs. Oliver and Buss and from Messrs. Buss, Oliver and Goldsworthy (see Exhibit 2 & 3).

d. Outstanding Liens

There are no outstanding liens on the Bog and Hope Group.

e. & f. Record of Title

The Bog and Hope Claims are recorded in the office of the County Clerk and Recorder of San Miguel County at Telluride, Colorado. (See Exhibits 5 to 34 incl.)

The claims are recorded, as follows:

Claim Name	Lode Recording Date	Book	Page	A.E.C. Cir 7 Date	Book	Page	Public Law 585 Date	Book	Page
Bog 1	18 Nov 53	226	56	15 May 54	234	577	27 Nov 54	246	292
Bog 2	18 Nov 53	226	57	15 May 54	234	578	27 Nov 54	246	293
Bog 3	18 Nov 53	226	58	15 May 54	234	579	27 Nov 54	246	294
Bog 4	16 Apr 54	233	223	15 May 54	234	580	27 Nov 54	246	295
Bog 5	16 Apr 54	233	224	15 May 54	234	581	27 Nov 54	246	296
Bog 6	16 Apr 54	233	225	15 May 54	234	582	27 Nov 54	246	297
Bog 7	16 Apr 54	233	226	15 May 54	234	583	27 Nov 54	246	298
Hope 1	2 Feb 54	228	219	15 May 54	234	584	27 Nov 54	246	299
Hope 2	2 Feb 54	228	220	15 May 54	234	585	27 Nov 54	246	300
Hope 3	2 Feb 54	228	221	15 May 54	234	586	27 Nov 54	246	301

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT OF THE BOG AND HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BANK BUILDING, HOUSTON, TEXAS

NOTICE OF WITHDRAWAL OF LEASE APPLICATION OR
NOTICE OF RELEASE OF URANIUM LEASE

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR - 1 1955

Bogs 1 thru 7
27 Nov 54 246 260

Hope 1 thru 3
27 Nov 54 246 261

Quitclaim Deeds from Frank Buss, Dave Goldsworthy, and Dwight Oliver to Patrick W. Brady have been filed for recording at Telluride, Colorado. (See Exhibits 2 & 3.)

A mining deed from Patrick W. Brady to NATIONAL EXPLORATION COMPANY has been filed at that same time. (See Exhibit 4.)

4. PHYSICAL DESCRIPTIONS OF PROPERTY

a. Operations

There has been no production or exploration on the Bog and Hope Group. Roads will have to be built before any exploration can be done. The road from the Parrot mine crosses the west end of the Bog No. 4 claim (see Plate I).

b. Production and Ore Reserves

The claims have had no past production and there are no proven ore reserves.

c. Geological Features

Stratigraphy: One of the proposed drill holes (see Plate 1 and Schedule 2) will be collared in the Burro Canyon formation of Cretaceous age. The rest of the proposed holes will be collared in the Brushy Basin member of the Jurrassic Morrison formation. All holes will be drilled to the red clay underlying the lowest sandstone lense in the ore horizon. The principal ore horizon, determined by rim exposures in this area lies between two stratigraphic planes that are about 200 feet apart. The lower plane lies about 225 feet above the base of the Salt Wash or lower member of the Morrison formation. The upper plane coincides with the top of the Salt Wash. The sandstone lenses at this stratigraphic interval have been the host rocks for most of the region's uranium production.

West of the Bog and Hope Group, the terrain becomes very steep. The Dolores River has cut a deep precipitous canyon and has exposed geologic formations ranging in age from the Premain Cutler-Rico to the Cretaceous Burro Canyon. Formations older than the Morrison are not discussed in this report as they have no bearing on the exploration project.

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT OF THE BOG AND HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BANK BUILDING, HOUSTON, TEXAS

Structure: The Bog and Hope Group is located on the northeast flank of the Dolores anticline. The formations dip 7° northeast and strike North 45° West.

Ore Deposits: There are no known ore deposits on the Bog and Hope Group.

Justification of Exploration: The Bog and Hope Group lies just south of the Slick Rock section of the "Uravan Mineral Belt" (see Figure I). The "Uravan Mineral Belt" has been defined by the United States Geological Survey in Bulletin 988-A as "a narrow, elongate area in southwestern Colorado in which carnotite deposits in the Morrison formation have a closer spacing, larger size and higher grade than those in adjoining areas. The belt extends from Gateway through Uravan to Slick Rock."

The deposits within the belt tend to be clustered in patches of favorable ground 1,000 feet or more in width and usually a mile or more in length. These patches of favorable ground, and the deposits within them, generally are elongate normal to the trend of the mineral belt. Similarly the fossil logs and the ore rolls within the deposits have a dominate orientation normal to the belt. (See Figure 2.) In the Bog and Hope section of the Joe Davis Quadrangle, the dominant orientation of the ore roll is approximately North 70° West.

A brief resume of some of the uranium properties surrounding the Bog and Hope Group follows:

The Sarah Ellen mine is about 800 feet west of the Bog and Hope Group. (See Plate I.) It has produced several thousand dollars worth of vanadium and uranium ore, but is not being worked now. Future exploration should find more ore deposits in back of the old rim workings of this mine.

If the North 70° West orientation of ore deposits is extended westward from the Bog and Hope claims and through the Sarah Ellen mine, it will pass through the Golden Rod mines and the Charles T. mines, and will intersect the Radium 7 mine.

The United States Atomic Energy Commission have leased the Golden Rod and Charles T. mines to private parties who have produced several thousand tons of ore from these properties.

The Radium Group of the Dulaney Mining Company has probably been one of the largest producers of uranium ore from the Morrison formation in the State of Colorado.

South of the Bog and Hope Group, the Parrot mine has produced more than 5,000 tons of ore, the Mucho Grande has produced about $500,000.00 worth of ore and the Horseshoe No. 3, 5, and 7 mines have produced more than 20,000 tons of uranium ores.

Three to five miles North-Northwest of the Bog and Hope Group in the Disappointment Valley and Joe Davis Canyon areas, it is reported that good sized deposits of uranium ore have been found through various drilling projects under the sponsorship of certain governmental agencies and of private industry.

While all of these above mentioned mines and properties are at varying distance from the Bog and Hope Group, they are still, all within a reasonable proximity for consideration of this application. The discovery of one ore deposit equal in size to most of the ones briefly discussed above would justify the mining of the ore body, and consequently, the full repayment of this DMEA loan.

d. Accessibility

The Bog and Hope Group lies on the east rim of the Dolores River Canyon. The claims can be reached over 6 miles of dirt road which connects with Colorado State Highway 80 in Disappointment Valley. The dirt road is the access road to the Parrot mine.

The distance to the Vanadium Corporation of America uranium processing mill at Naturita, Colorado, is about 50 miles and it is about 65 miles to the United States Vanadium Company's mill at Uravan, Colorado. It is approximately 120 miles to the V. C. A. mill at Durango, Colorado, and 60 miles to the A. E. C. mill at Monticello, Utah.

e. Availability of Manpower, Equipment, Supplies, etc.

Manpower and equipment for this project will be furnished by private contractors. (See Schedule 3.)

Geo-Engineering, a professional engineering firm, will supply surveying instruments and transportation for technical personnel. Geo-Engineering has principal offices at Norwood, Colorado, 65 miles from the Bog and Hope and at Grand Junction, Colorado, 190 miles from the property.

Supplies and equipment can be obtained at Dove Creek, Naturita and Uravan, Colorado, and Monticello, Utah. Railroad and airline terminals are located at Grand Junction, Colorado, a distance of 190 road miles or 85 air miles.

Drilling water will have to be hauled from the Dolores River about six miles away.

5. THE EXPLORATION PROJECT

a. Mineral

The mineral for which this project will explore is uranium.

b. Proposed Work

The proposed work of this DMEA application will be core drilling for exploration of the Bog and Hope claims. Contracts will be let for the road and drill site preparation and for the exploratory drilling.

Proposed holes are shown on Plate I. Estimated hole depths are listed in Schedule 1 and 2. Fifteen core drill holes are listed in Schedule 3 for Stage 1 drilling. Twenty-five core drill holes are listed for Stage II. Intelligent selection of locations for all of these holes is impossible at this time. It is recommended, therefore, that a DMEA contract be allowed for a 40 core drill hole project, but that the selection of Stage II hole locations be made with the approval of the Defense Minerals Exploration Administration Field Team after the data from some of the preliminary drilling has been accumulated. All Stage II location will be in areas where Stage I drilling penetrated ore or revealed favorable geology.

Logging and Sampling: A sampler who will also act as a field assistant for surveying will be employed to supervise the logging and sampling. An accurate log will be kept by the driller, and all barren core will be arranged on the ground and properly marked so that the geologist or sampler can carefully check the driller's log. Core from each run will be carefully dropped out of the core barrel into a wooden trough provided for that purpose by the drilling contractor. The sampler or other competent individual will then examine the core, using a field gamma ray detecting device. If any trace of mineralization is found, the complete core "run" will be arranged in a core box provided with a hinged lid, and will be kept until such a time as the geologist will have been able to properly sample the core.

Each sample will be carefully described by the geologist in a bound field book as it is placed in the sample sack. Core losses will be prorated proportionately regardless of lithology. All samples will be sent to commercial assayers for percentage determination of U_3O_8, V_2O_5 and $CaCO_3$.

Geologic Control of Drilling: NATIONAL EXPLORATION COMPANY asks the privilege of omitting any of the proposed holes shown on Plate I, if in the opinions of the field geologists, they fall in an area, based on previous drilling information that is considered unfaborable. Footage, thus saved, would be used in more favorable locations as approved by the DMEA Field Team.

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT OF THE BOG AND HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BANK BUILDING, HOUSTON, TEXAS

The critira used to determine unfavorable areas in this drilling program will, in general, be the same as used by the United States Geological Survey and the United States Atomic Energy Commission. The reader is referred to the report by Doris Blackman Wier for information lacking in this brief discussion. (Weir, Doris Blackman, 1952, Geologic Guides to Prospecting for Carnotite Deposits on Colorado Plateau. U. S. Geological Survey Bulletin 988-B).

The presence of gray-green mudstone at the base of a potential ore-bearing sandstone has been an excellent guide to ore. When Stage I holes penetrate one foot or more of the gray-green mudstone at the base of a potentially ore-bearing sandstone which is over 30 feet thick, National Exploration might recommend to the DMEA Field Team some Stage II drilling around such holes.

Drilling Plan: Recommendations to the Defense Minerals Exploration Administration and to National Exploration are as follows:

1. The 15 proposed Stage I core drill holes are shown on Plate I and arranged on a pattern to cut the predominating trend or orientation of ore bodies in the district. Proposed holes are placed on a 600 foot by 1000 foot grid so that the 600 foot demension is normal to the trend and staggered so that a hole in one row is between two 600 foot spaced holes in the next row. This, in effect, will cut the trend on 300 foot centers.

2. Stage II drilling will be only in those areas determined to be favorable. The proposed Stage I drilling will be sufficient to produce the negative information necessary to delineate unfaborable areas.

c. Time of Exploration Project Contract

The work will start within 30 days and it is estimated that it will be completed within 12 months from date of exploration project contract. It is estimated that it will take 12 months to complete this report with one drill. The employment of more than one drill would result in inadequate geological control, wasted footage and an increase in exploration costs per ton of ore discovered.

d. Ability of Applicant

NATIONAL EXPLORATION COMPANY is a very young company that has retained as consultants and managers, men with a high degree of competence and formidable experience records. Mr. Patrick W. Brady will act as company manager. Mr. Brady's experience record is included as Exhibit 37. Mr. Fred W. Howells will be chief consulting engineer for the NATIONAL EXPLORATION COMPANY. A resume of his experience is included as Exhibit 37.

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT OF THE BOG AND HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BANK BUILDING, HOUSTON, TEXAS

Geo-Engineering, a firm of professional engineers and geologists, with offices located at Norwood and Grand Junction, Colorado, will act as consultants to National Exploration Company for this project. A brief description of the experience background of the three general partners of Geo-Engineering is given below.

Louis P. Gaggini, who is Chief Geologist for Geo-Engineering, began working in uranium in 1941, as geologist for the Union Mines Development Corporation, a contractor for the United States Army Manhattan Engineering Project. Subsequent experience in carnotite exploration included almost two years with the Exploration Branch of the Atomic Energy Commission in Grand Junction and six months with the United States Vanadium Company. Mr. Gaggini was, for two years, Mining Superintendent of the Dulaney Mining Company, where he was in charge of all mining and exploration. This company is, at present, mining large tonnages from ore bodies which were discovered during that time. From August, 1952, to February, 1954, Mr. Gaggini was manager of the Colorado Uranium Division of the J. R. Simplot Company. During this period, Mr. Gaggini successfully prepared applications for and administered, for several months, two large DMEA projects.

Harold A. Culp is a geologist and geophysicist and a co-partner in Geo-Engineering with Mr. Gaggini and Mr. Lewis D. Anderson. Since graduating with a degree in economic geology from Oregon State College in 1941, Mr. Culp has, in addition to uranium, worked with gold, oil, copper, cobalt and tungsten; this includes 6 year's experience in metal mining and 5 years of geophysical prospecting in oil and mining. In addition to mine management for others, he has operated a mine in which he shared a 1/3 investment interest. His work has included the preparation of Defense Minerals Exploration administration projects and, after approval of loan application by that agency, supervision of the project. During 1953-1954, Mr. Culp was Project Geologist and then Acting Superintendent of the Bull Canyon mines of the J. R. Simplot Company.

Lewis D. Anderson, mining engineer, is a graduate from the Colorado School of Mines (registered mining engineer No. 1844 in Colorado). From December, 1946, through 1948, Mr. Anderson worked as engineer and shift boss for the Resurrection Mining Company at Leadville, Colorado. From January, 1949, through April, 1950, he worked as mining engineer in the General Chemical Division of Allied Chemical and Dye. He was Mine Foreman of the Rico-Argentine Mining Company, Rico, Colorado, from June, 1950 to October, 1951. Mr. Anderson, then, accepted employment as Division Engineer for the Dulaney Mining Company in the Gateway, Dove Cree, Monticello, and Gyp Valley areas. From June, 1952, to March, 1954, Mr. Anderson's duties, as mining engineer, covered both the mining and milling of uranium-vanadium ores and included jurisdiction over the United States Vanadium Company's uranium operations in the Edgemont, South Dakota area.

6. ESTIMATE OF COSTS

It is the desire of the NATIONAL EXPLORATION COMPANY that this exploration project contract be placed on a unit cost basis. Schedule 5 gives the exact amount bid per unit by NATIONAL EXPLORATION COMPANY for performing the exploration work. Custom assaying is not included in the cost per foot of drilling because of the difficulty of making an accurate estimation. The $6.00 per sample figure bid for custom assaying is the exact amount charged by the A. E. C. approved assayors.

a. Independent Contractors

All drilling, reaming, road building and blasting will be done by independent contractors.

Drilling: The drilling, reaming and setting of casing will be done by private contractors. Prices, used in Schedule 2 and 3, were obtained from firms active in the uranium exploration field. Stage II drilling is based on one and seven-tenths holes for each Stage I hole. Stage II footage was pro-rated on the same footage basis as Stage I. Stage I drilling is estimated at $14,055.00, Stage II drilling at $23,600.00 and reaming at $6,000.00. About 20% of all casing placed in holes is lost, so $1,600.00 is added to cover the cost of the unrecoverable casing.

Bulldozer, Tractors and Compressors: These are readily available in the district. Because many hole sites will be selected from the result of previous drilling, it is estimated that a bulldozer will have to be ahuled to the group at least four times at $100.00 per round trip. It is estimated that the bulldozer will work 41 days at a cost of $100.00 per day. It is also estimated that certain amounts of rock blasting will have to be done in the preparations of roads and drill sites. An allowance of $500.00 is herein made for this work.

b. Labor, Supervision and Consultants

Geo-Engineering will supervise and direct the project as geologic consultants for $1,000.00 per month and reasonable expenses (see Exhibit 4). A draftsman and typist will be employed on a part time hourly basis to prepare necessary project reports, (see Schedule 4). A field assistant will be employed at a minimum of $15.00 per day to help with surveying and to act as a sampler.

c. Operating Materials and Supplies

$150.00 per month is estimated for map reproduction and office supplies. $200.00 is estimated in Schedule 4 for cost of field supplies.

d. Operating Equipment

Operating equipment will be provided by private contractors or GEO-ENGINEERING.

e. Rehabilitation and Repairs

None needed.

f. New Buildings, Improvements and Installations

It will be necessary for the field assistant to live on the property as it is some distance from a town. Provisions are made for the rental of a house trailer to be moved to the group.

g. Miscellaneous

$100.00 per month is allowed to cover office and miscellaneous supervisory costs not mentioned in 6 b.

Payroll taxes on field assistant, draftsman and typist are estimated at 10%.

A separate unit cost of $6.00 per sample for analytical work is added in Schedule 5.

h. Contingencies

Private contractors vary drilling charges with the depth of hole (see Schedule 2 and 3). Fifteen percent is added because it is possible that some holes may exceed the estimated depths.

Estimates for road building and drill sites preparations may be inadequate. This is also covered in the above 15% contingency.

Labor, Supervision and Consultants are paid on a monthly basis. Any event which might prolong the project will increase the cost of this item. Ten percent is added to cover these possible increases.

Operating Material and Supplies are estimated at a minimum. Destruction of a few core boxes or other unforeseen consumptions of materials or supplies might easily increase this cost by 20%.

New Buildings, Improvements, Etc., costs are based on current rental prices. Twenty percent is added for possible increases.

Miscellaneous Costs are estimated at $158.13 per month. Fifty percent is added to provide for unforeseen taxes or extra help.

7. APPLICANTS SHARE OF COST

a. & b.

In accordance with the Defense Minerals Exploration Administration regulations (Section 7, DMEA Order No. 1 Amended) NATIONAL EXPLORATION COMPANY is prepared to assume 25% of the cost of this project in the following manner, to-wit:

NATIONAL EXPLORATION COMPANY will perform all necessary work and will pay for all labor, materials and supplies. Reimbursement by the DMEA will be in accordance with Schedule 5 of this application less 25% (i. e., the amount to be loaned by the DMEA for each unit of work performed will be 25% less than the amounts shown in Schedule 5).

Respectfully submitted,

GEO-ENGINEERING

Louis P. Gaggini By Hac
LOUIS P. GAGGINI

Lewis D. Anderson
LEWIS D. ANDERSON

Harold A. Culp
HAROLD A. CULP

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE BOG & HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BUILDING, HOUSTON, TEXAS

SCHEDULE 1

CORE DRILL HOLE DEPTHS

Hole No.	Claim Name	Estimated Collar Elev.	Estimated Bottom Elev.	Estimated Depth
1	Bog 4	6590	6300	290
2	Bog 3	6660	6360	300
3	Bog 4	6460	6220	240
4	Bog 3	6620	6280	340
5	Bog 2	6670	6350	320
6	Bog 1	6770	6410	360
7	Hope 1	6830	6470	360
8	Bog 7	6690	6150	540
9	Bog 6	6650	6210	440
10	Bog 5	6670	6270	400
11	Hope 3	6680	6340	340
12	Hope 2	6750	6400	350
13	Bog 5	6850	6210	640
14	Hope 3	6800	6270	530
15	Hope 2	6830	6330	500
			TOTAL FOOTAGE	5950

CORE DRILL HOLE DEPTHS

SCHEDULE 1

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE BOG & HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BUILDING, HOUSTON, TEXAS

SCHEDULE 2

DRILLING SUMMARY

Hole	Est. Depth	Est. Non-Coring	Est. 0'-200'	Est. 200'-300'	Est. 300'-400'	Est. 400'-500'	Est. 500'-600'	Est. 600'-700'
1	290	90	110	90				
2	300	100	100	100				
3	240	40	160	40				
4	340	140	60	100	40			
5	320	120	80	100	20			
6	360	160	40	100	60			
7	360	160	40	100	60			
8	540	340			60	100	40	
9	440	240		60	100	40		
10	400	200		100	100			
11	340	140	60	100	40			
12	350	150	50	100	50			
13	640	440				60	100	40
14	530	330			70	100	30	
15	500	300			100	100		
TOTALS	5,950	2,950	700	990	700	400	170	40
Price per foot		2.00	2.25	2.50	2.75	3.25	4.00	5.00
Costs		5,900.00	1,575.00	2,475.00	1,925.00	1,300.00	680.00	200.00

TOTAL COST, STAGE I - - - - $14,055.00

DRILLING SUMMARY

SCHEDULE 2

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE BOG & HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BUILDING, HOUSTON, TEXAS

SCHEDULE 3

ESTIMATE OF AMOUNTS TO BE PAID TO INDEPENDENT CONTRACTORS

Explanation	Unit	No. of Units	Cost per Unit	Total cost each Item	Grand Total
Drilling Contractor					
Stage I Drilling (see Schedule 2)	Feet	5,950	$ 2.362	$14,055.00	$14,055.00
Stage II Drilling (see Schedule 2) 25 Holes at 400 feet average depth					
Non-coring Drilling	Feet	5,000	2.00	10,000.00	
Coring - 0'-200'	Feet	1,190	2.25	2,677.50	
200'-300'	Feet	1,600	2.50	4,000.00	
300'-400'	Feet	1,180	2.75	3,245.00	
400'-500'	Feet	670	3.25	2,177.50	
500'-600'	Feet	300	4.00	1,200.00	
600'-700'	Feet	60	5.00	300.00	
Total Stage II Drilling		10,000	$ 2.360		$23,600.00
Reaming Holes for Casing (25% Total Footage)	Feet	4,000	1.50		6,000.00
Casing left in Hole (20% of Reaming Footage)	Feet	800	2.00		1,600.00
Road & Drill Site Preparation					
Moving Dozer to and from Property	Round Trip	5	100.00		$ 500.00
Dozer Rental	Day	30	100.00		3,000.00
Compressor and Blasting	Day	10	50.00		500.00
TOTAL ESTIMATED AMOUNTS TO BE PAID TO INDEPENDENT CONTRACTORS	Feet	15,950	$ 3.088		$49,255.00

ESTIMATE OF AMOUNTS TO BE PAID TO INDEPENDENT CONTRACTORS

SCHEDULE 3

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE BOG & HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BUILDING, HOUSTON, TEXAS

SCHEDULE 4

ESTIMATED COSTS UNDER 6b, 6c, 6f & 6g, MF-103

Explanation - Heading and Letter	Cost per Hour	Cost per Day	Cost per Month	Cost per Project	Unit Cost per MF-103 Heading
6 (b) Labor, Supervision and Consultants					
Geo-Engineering Fees			$1000.00	$12,000.00	
Geo-Engineering Expenses		$10.00	250.00	3,000.00	
Draftsman 50 hrs/month	$3.00		150.00	1,800.00	
Typist 50 hrs/month	2.25		56.25	675.00	
Sampler & Field Assistant		15.00	375.00	4,500.00	?
Total under 6 (b) of MF-103 (15,950')				$21,975.00	$1.378
6 (c) Operating Materials & Supplies					
Office supplies, map & drill log reproductions for Monthly reports & other correspondence with DMEA			150.00	1,800.00	
Survey stakes & other field supplies				200.00	
Total under 6 (c) of MF-103 (15,950')				$ 2,000.00	$0.125
6 (f) New Building, Installations, etc.					
1 trailer house for project personnel (Rental)			50.00	600.00	
Total under 6 (f) of MF-103 (15,950')				$ 600.00	$0.037
6 (g) Miscellaneous					
Accounting expense, etc.			100.00	1,200.00	
Payroll taxes estimated at 10% of $581.25			58.13	700.00	
Total under 6 (g) of MF-103 (15,950')				$ 1,900.00	$0.124

ESTIMATED COSTS UNDER 6b, 6c, 6f & 6g, MF-103

SCHEDULE 4

GEO-ENGINEERING
304 Main Street
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE BOG & HOPE GROUP, PREPARED FOR NATIONAL EXPLORATION COMPANY, 904 CITIZENS STATE BUILDING, HOUSTON, TEXAS

SCHEDULE 5

SUMMARY OF COSTS

Explanation	Units	No. of Units	Cost per Unit	Total Cost per Item	Grand Total
6a-Independent Contractors (Sch. 3)	Feet	15,950	$3.088	$49,255.00	
6b-Labor, Supervision and Consultants (Schedule 4)	Feet	15,950	1.378	21,975.00	
6c-Operating Materials and Supplies (Schedule 4)	Feet	15,950	0.125	2,000.00	
6d-Operating Equipment	None				
6e-Rehabilitation, Repair, etc.	None				
6f-New Building, Installations	Feet	15,950	0.038	600.00	
6g-Miscellaneous	Feet	15,950	0.124	1,900.00	
6h-Contingencies					
For (a) above - 15%				7,390.00	
For (b) above - 10%				2,200.00	
For (c) above - 20%				400.00	
For (f) above - 20%				120.00	
For (g) above - 50%				950.00	
Calculated Unit Cost	Feet	15,950	$5.441		$86,790.00
Calculated Cost of Project using Unit Cost Bid and before Allowance for Analytical Work	Feet	15,950	$5.441		86,780.00
Analytical Work					
U_3O_8 Analysis	Sample	300	$3.50	1,050.00	
V_2O_5 Analysis	Sample	300	1.50	750.00	
$CaCO_3$ Analysis	Sample	300	1.00	300.00	1,800.00
					$88,580.00
Total Cost of Project during DMEA Participation - - - - -					$88,580.00
Less 25% to be paid by National Exploration Company - - - - -					22,145.00
AMOUNT OF DMEA LOAN REQUESTED - - - - - - - - - - - - -					$66,435.00

SUMMARY OF COSTS

SCHEDULE 5

BOG & HOPE DMEA
(OLIVER, BUSS, GOLDSWORTHY - BRADY MINING DEED)

THIS INDENTURE, Made this 7th day of October, in the year of our Lord one thousand nine hundred fifty-four, between DWIGHT OLVIER, FRANK BUSS and DAVE GOLDSWORTHY of the County of Mesa and State of Colorado, parties of the first part, and PATRICK W. BRADY of the County of Mesa and State of Colorado, party of the second part;

WITNESSETH, That the said parties of the first part, for and in consideration of the sun of Ten Dollars and other valuable considerations to them in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, have granted, bargained, sold, remised, released and forever quit-claimed, and by these presents do hereby grant, bargain, sell, remise, release and forever quit-claim, unto the said party of the second part, his heirs and assigns, the following described property, situate, lying and being in Lower San Miguel Mining District, in the County of San Miguel, and State of Colorado, to-wit:

Unpatented mining claims described as follows:

Bog No. 1	Bog No. 4	Bog No. 7
Bog No. 2	Bog No. 5	
Bog No. 3	Bog No. 6	

RESERVING HOWEVER, an 12½% over-riding royalty in and to the NET mill returns from production of the claims and of any discovery bonuses paid on said claims. (Net mill returns is defined as the gross mill receipts less penalties, development and haulage allowance.)

The grantee hereby agrees to do all development and assessment work necessary to protect the title to the claims and file an affidavit of annual work by May 1st in any year hereafter, and if said affidavit is not filed by said date the grantors may do said work and bill the grantee for all expenses incurred in connection therewith.

TOGETHER with all the dips, spurs, and angles, and all the metals, ores, gold and silver-bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had and enjoyed; and all and singular the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining, and the rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever, as well in law as in equity, of the said parties of the first part, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD, all and singular, the said premises together with the appurtneances and privileges thereto incident, unto the said party of the second part, his heirs and assigns forever.

IN WITNESS WHEREOF, The said parties of the first part have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in the presence of (	Frank Buss	(SEAL)
(	Dave Goldsworthy	(SEAL)
(	Dwight Oliver	(SEAL)

BOG & HOPE DMEA
(OLIVER, BUSS, GOLDSWORTHY-BRADY MINING DEED)

STATE OF COLORADO)
)
COUNTY OF MESA)

The foregoing instrument was acknowledged before me this 7th day of October A.D. 1954, by DWIGHT OLIVER, FRANK BUSS AND DAVE GOLDSWORTHY.

My commission expires August 17, 1958.

Witness my hand and official seal.

(SEAL) (Signed) Tom E Elder

Certified a true copy: C. W. Snoad

C. W. SNOAD, Comptroller
Geo-Engineering
304 Main Street
Grand Junction, Colorado

BOG & HOPE DMEA
OLIVER, BUSS - BRADY MINING DEED

THIS INDENTURE, Made this 7th day of October, in the year of our Lord one thousand nine hundred and fifty four, between DWIGHT OLIVER and FRANK BUSS, of the County of Mesa and State of Colorado, parties of the first part, and PATRICK W. BRADY, of the County of Mesa and State of Colorado, party of the second part;

WITNESSETH, That the said parties of the first part, for and in consideration of the sum of Ten Dollars and other valuable considerations to them in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, have granted, bargained, sold, remised, released and forever quit-claimed, and by these presents do grant, bargain, sell, remise, release and forever quit-claim, unto the said party of the second part, his heirs and assigns, the following described property, situate, lying and being in Lower San Miguel Mining District, in the County of San Miguel, and State of Colorado, to-wit:

Unpatented mining claims described as follows:

Hope No. 1 Hope No. 2 Hope No. 3

RESERVING HOWEVER, a 12½% over-riding royalty in and to the NET mill returns from production of the claims and of any discovery bonuses paid on said claims. (Net mill returns is defined as the gross mill receipts less penalties, development and haulage allowance.)

The grantee hereby agrees to do all development and assessment work necessary to protect the title to the claims and file an affidavit of annual work by May 1st in any year hereafter, and if said affidavit is not filed by said date the grantors may do said work and bill the grantee for all expenses incurred in connection therewith.

TOGETHER with all the dips, spurs, and angles, and all the metals, ores, gold and silver-bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenances thereto belonging or in anywise appertaining and the rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever, as well in law as in equity, of the said parties of the first part, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD, all and singular, the said premises, together with the appurtenances and privileges thereto incident, unto the said party of the second part, his heirs and assigns forever.

IN WITNESS WHEREOF, The said parties of the first part have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in the presence of (Frank Buss (SEAL)
(Dwight Oliver (SEAL)

BOG & HOPE DMEA EXHIBIT NO. 3

BOG & HOPE DMEA
OLIVER, BUSS -BRADY MINING DEED

STATE OF COLORADO)
)
COUNTY OF MESA)

The foregoing instrument was acknowledged before me this 7th day of October A. D. 1954, by DWIGHT OLIVER and FRANK BUSS.

My commission expires August 17, 1958.

Witness my hand and official seal.

(SEAL) (Signed) Tom E. Elder
Notary Public.

Certified a true copy:

C. W. SNOAD, Comptroller
Geo-Engineering
304 Main Street
Grand Junction, Colorado

BOG & HOPE DMEA EXHIBIT NO. 3

MINING DEED

THIS INDENTURE, Made this 14th day of February, in the year of our Lord one thousand nine hundred fifty-five, between PATRICK W. BRADY, of the County of Mesa and State of Colorado, party of the first part, and NATIONAL EXPLORATION COMPANY, of the County of Mesa and State of Colorado, party of the second part.

WITNESSETH, That the said party of the first part, for and in consideration of the sum of Ten Dollars and other valuable considerations to him in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, has granted, sold, remised, released and forever quitclaimed, and by these presents does grant, bargain, sell, remise, release and forever quit-claim, unto the said party of the second part, its heirs and assigns, the following described property, situate, lying and being in Lower San Miguel Mining District, in the County of San Miguel, and State of Colorado, to-wit:

Unpatented mining claims described as follows:

Hope No. 1	Hope No. 2	Hope No. 3
Bog No. 1	Bog No. 4	Bog No. 7
Bog No. 2	Bog No. 5	
Bog No. 3	Bog No. 6	

SUBJECT TO a 12½% over-riding royalty in and to the NET mill returns from production of the claims and of any discovery bonuses paid on said claims reserved in favor of prior grantors. (Net mill returns is defined as the gross mill receipts less penalties, development and haulage allowance.)

The grantee hereby agrees to do all development and assessment work necessary to protect the title to the claims and file and affidavit of annual work by May 1st in any year hereafter, and if said affidavit is not filed by said date the grantors may do said work and bill the grantee for all expenses incurred in connection therewith.

TOGETHER with all the dips, spurs, and angles, and all the metals, ores, gold and silver-bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith ususlly had and enjoyed; and all and singular the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining, and the rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever, as well in law as in equity, of the said party of the first part, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD. all and singular, the said premises, together with the appurtenances and privileges thereto incident, unto the said party of the second part its heirs and assigns forever.

IN WITNESS WHEREOF, The said party of the first part has hereunto set his hand and seal the day and year first above writte.

(SIGNED) Patrick W. Brady

STATE OF TEXAS)
)
COUNTY OF HARRIS)

BEFORE ME, the undersigned authority, on this day personally appeared PATRICK W. BRADY, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the pruposes and consideration therein expressed.

GIVEN under my hand and seal of office, on this 14th day of February, 1955.

(SEAL)

(Signed) Ellis F. Manis
Notary Public in and for
Harris County, Texas

Certified a true copy:

C. W. SNOAD, Comptroller
Geo-Engineering
304 Main Street
Grand Junction, Colorado

STATE OF COLORADO
IN LOWER SAN MIGUEL
COUNTY, SAN MIGUEL, COLO.
No. 108214 Nov. 18, 1953
Book 226 Page 56 1:05 P.M.

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Dwight Oliver, Dave Goldsworthy and Frank Buss of Norwood, Colorado, have located the Bog No. 1 lode mining claim and by this certificate, and by right of discovery and location, claim 1500 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 300 feet on said vein running Westerly from the center of the discovery cut and 1200 feet running Easterly from the center of the discovery cut together 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim situated in Lower San Miguel Mining District, County of San Miguel, and State of Colorado and described by metes and bounds as follows, to wit:

Beginning at Corner No. 1, which is a Double Cor. with Cor. No. 2 of the Bog No. 2, and should be as near as can be determined the N.E. Cor., of the Mystery, A Claim belonging to Fred Trudi and Associates Thence 600 feet Southerly to the S.W. Cor., thence 750 feet Easterly to the S. side center, thence 750 Easterly to the S.E. cor., thence 600 feet Northerly to the N.E. cor., thence 750 feet Westerly to the N. side center, thence 750 feet Westerly to the N.W. cor. No. 1 point of beginning.

Said lode was discovered on the 15th day of Oct, A.D. 1953 and located on the 9th day of Nov. A.D. 1953 . Dated this 16th day of Nov. A.D. 1953.

Frank Buss (Seal)
Dwight Oliver (Seal)
Dave Goldsworthy (Seal)

Certified a true copy:
C. W. SNOAD

Exhibit 5

STATE OF COLORADO
IN LOWER SAN MIGUEL
MINING DISTRICT, SAN
MIGUEL COUNTY, COLORADO
No. 108215
Book 226 Page 57

Nov. 18, 1953
1:10 P. M.

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Frank Buss, Dwight Oliver, and Dave Goldsworthy of Norwood, Colorado have located the Bog No. 2 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles, and variations as allowed by law 350 feet on said vein running Westerly from the center of the discovery cut and 1150 feet running Easterly from the center of the discovery Cut, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situated in Lower San Miguel Mining District, County of San Miguel, and State of Colorado and described by metes and bounds as follows, to-wit:

Beginning at N.W.cor. No. 1, thence 600 feet Southerly to S.W.cor. No. 2, (which is a double cor. with cor. No. 1 of the Bog No. 1, thence 750 feet Easterly to the S. side center, thence 750 Easterly to the S.E. cor., thence 600 feet Northerly to the N.E. cor., thence 750 feet Westerly to the N. side center, thence 750 Westerly to the N.W. cor. point of beginning.

Said Lode was discovered on the 15th day of Oct. A.D. 1953 and located on the 9th day of Nov. A.D. 1953.

Dated this 16th day of Nov. A.D. 1953.

Frank Buss (Seal)
Dwight Oliver (Seal)
Dave Goldsworthy (Seal)

Certified a true copy:

C. W. SNOAD

Exhibit 6

STATE OF COLORADO
IN LOWER SAN MIGUEL
MINING DISTRICT SAN MIGUEL, COLO.
No. 108216
Book 226 Page 58

Nov. 18, 1953
1:15 P.M.

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Frank Buss, Dwight Oliver and Dave Goldsworthy of Norwood, Colo have located the Bog No. 3 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 610 feet on said vein running Westerly from the center of the discovery cut and 890 feet running East from the center of the discovery cut together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situated in Lower San Miguel Mining District, County of San Miguel, and State of Colorado and described by metes and bounds as follows to-wit:

Beginning at the S. W. cor. (Which is a Double, cor. with N. W. cor. of the Bog No. 2), thence 600 feet, Northerly to the N. W. cor., thence 750 feet Easterly to the N. side center, thence 750 feet to the N. E. cor., thence 600 feet. Southerly to the S. E. cor., thence 750 feet to the S. side center thence 750 feet to the S.W. cor, point of beginning.

Said lode was discovered on the 15th day of Oct. A.D. 1953 and located on the 11th day of Nov. A.D. 1953. Dated this 16th day of Nov. A.D. 1953

Certified a true copy:

C. W. SNOAD

Exhibit 7

STATE OF COLORADO
IN LOWER SAN MIGUEL
MINING DISTRICT OF
SAN MIGUEL, COLORADO
No. 113079
Book 233 Page 223

Charles C. Carriere
Recorder

April 16, 1954

2:10 P.M.

KNOW ALL MEN BY THESE PRESENTS

That Dwight Oliver, Frank Buss, and Dave Goldsworthy of Norwood, Colorado. have located the Bog No. 4 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 x 600 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 150 feet on said vein running Easterly from the center of the discovery cut, together with 1350 feet running Westerly from the center of the discovery cut, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits, and surface ground within the lines of said claim situated in Lower San Miguel Mining District, County of San Miguel, and and State of Colorado, and described by metes and bounds as follows to-wit:

Beginning at the South East cor., (which is also the North East Cor . of the Bog No. 3), thence 750 feet Westerly to the South side center stake, thence 750 feet Westerly to the South West cor., thence 600 feet Northerly to the North West cor., thence 750 feet Easterly to the North side center stake, thence 750 feet Easterly to the North East cor., thence 600 feet Southerly to the South East cor., point of beginning.

Said lode was discovered on the 10th day of Feb., A.D. 1954 and located on the 22nd day of March, A.D. 1954. Dated this 12th day of April, A.D. 1954

Certified a true copy:

C. W. SNOAD

Exhibit 8

STATE OF COLORADO
IN LOWER SAN MIGUEL
COUNTY, SAN MIGUEL, COLORADO
No. 113080
Book 233 Page 224 2:11 P.M.

April 16, 1954

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

THAT Dwight Oliver, Frank Buss, and Dave Goldsworthy, of Norwood, Colorado have located the Bog No. 5 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 x 600 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 114 feet on said vein running westerly from the center of the discovery cut and 1386 feet running Easterly from the center of the discovery cut, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situate in Lower San Miguel Mining District, County of San Miguel, and State of Colorado and described by metes and bounds as follows, to-wit:

Beginning at the South West cor., (which is also the North East cor. of Bog No. 1), thence 600 ft. Northerly to the North West cor., thence 750 ft. Easterly to North side center stake, thence 750 ft. Easterly to the North East Cor., thence 600 ft. Southerly to the South East cor., thence 750 ft. Westerly to South side center stake, thence 750 ft. Westerly to the South West cor., point of beginning.

Said lode was discovered on the 20th day of Jan., A. D. 1954 and located on the 19th day of March, A. D. 1954.
Dated this 12th day of April, A. D. 1954.

Frank Buss (SEAL)
Dwight Oliver (SEAL)
Dave Goldsworthy (SEAL)

Certified a true copy:

C. W. SNOAD

Exhibit 9

STATE OF COLORADO
IN LOWER SAN MIGUEL
COUNTY, SAN MIGUEL, COLO.
No. 113081
Book 233 Page 225

April 16, 1954
2:12 P. M.

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Dwight Oliver, Frank Buss, and Dave Goldsworthy, of Norwood, Colorado, have located the Bog No. 6 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 x 600 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 90 feet on said vein running Westerly from the center of the discovery cut and 1410 feet running Easterly from the center of the discovery cut, together with 300 feet of each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situated in Lower San Miguel Mining District, County of San Miguel, and State of Colorado and described by metes and bounds as follows, to-wit:

Beginning at the South West cor., (which is also the North East cor. of Bog No. 2), thence 600 ft. Northerly to the North West cor., thence 750 ft. Easterly to North side center stake, thence 750 ft. Easterly to the North East cor., thence 600 ft. Southerly to the South East cor., thence 750 ft. Westerly to South side center stake, thence 750 ft. Westerly to the South West cor., point of beginning.

Said lode was discovered on the 10th day of February, A. D. 1954 and located on the 20th day of March, A. D. 1954.

Dated this 12th day of April, A. D. 1954.

Frank Buss (Seal)
Dwight Oliver (Seal)
Dave Goldsworthy (Seal)

Certified a true copy:

C. W. SNOAD

Exhibit 10

STATE OF COLORADO
IN LOWER SAN MIGUEL
COUNTY, SAN MIGUEL, COLO.
Book 233 Page 226 2:13 P. M.
No. 113082

April 16, 1954

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Dwight Oliver, Frank Buss, and Dave Goldsworthy of Norwood, Colorado have located the Bog No. 7 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 x 600 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 150 feet on said vein running Westerly from the center of the discovery cut and 1350 feet running Easterly from the center of the discovery cut together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits, and surface ground within the lines of said claim, situated in Lower San Miguel Mining District, County of San Miguel and State of Colorado and described by metes and bounds as follows, to-wit:

Beginning at the South West cor., (Which is also the North East cor. of Bog No. 3), thence 600 feet Northerly to the North West cor., thence 750 feet Easterly to the North side center stake, thence 750 feet Easterly to the North East cor., thence 600 feet Southerly to the South East cor., thence 750 feet Westerly to South side center stake, thence 750 feet Westerly to the South West cor., point of beginning.

Said lode was discovered on the 15th day of Feb., A. D. 1954 and located on the 21st day of March, A. D. 1954. Dated this 12th day of April, A. D. 1954.

Frank Buss (Seal)
Dwight Oliver (Seal)
Dave Goldsworthy (Seal)

Certified a true copy:

C. W. SNOAD

Exhibit 11

STATE OF COLORADO
IN LOWER SAN MIGUEL COUNTY, SAN MIGUEL, COLORADO
Book 228 Page 219
No 109937

Feb 2, 1954
10:00 A. M.

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Dwight Oliver and Frank Buss of Norwood, Colorado have located the Hope No. 1 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 x 600 feet, linear and horizontal measurment along the vein thereof, with all its dips, angles, and variations as allowed by law 750 feet on said vein running Easterly from the center of the discovery cut, and 750 feet running Westerly from the center of the discovery cut, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits, and surface ground within the lines of said claim, situated in Lower San Miguel Mining District, County of San Miguel, and State of Colorado, and described by metes and bounds as follows to-wit:

Beginning at Corner No. 1 the N.W. cor., which is a double cor with the S.W. cor of the Bog No. 1. thence 750 feet Easterly to the North side center, thence 750 feet Easterly to the N. E. cor., thence 600 feet Southerly to the S. E. cor., thence 750 feet. Westerly to the S. side center, thence 750 feet. Westerly to the S. W. cor., thence 600 feet Northerly to the N. W. cor. point of beginning.

Said lode was discovered on the 3rd day of Dec., A. D. 1953 and located on the 16th day of Jan., 1954. Dated this 30th day of Jan., A. D. 1954.

Frank Buss (Seal)
Dwight Oliver (Seal)

Certified a true copy:

C. W. SNOAD

Exhibit 12

STATE OF COLORADO
IN LOWER SAN MIGUEL
COUNTY SAN MIGUEL, COLORADO Feb. 2, 1954
No. 109938
Book 228 Page 220 10:01 A. M.

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Dwight Oliver and Frank Buss of Norwood, Colorado have located the Hope No. 2 lode mining claim, and by this certificate, and by the right of discovery and location, claim 1500 x 600 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 1365 feet on said vein running Easterly from the center of the discovery cut and 135 feet running Westerly from the center of the discovery cut, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situated in Lower San Miguel Mining District, County of San Miguel, and State of Colorado, and described by metes and bounds as follows, to-wit:

Beginning at Corner No. 1 the N.W. cor., which is also a double cor. with the N.E. cor of the Hope No. 1, thence 750 feet Easterly to the North Side center, thence 750 feet Easterly to the N. E. cor., thence 600 feet Southerly to the S.E. cor., thence 750 feet Westerly to the South side center, thence 750 feet Westerly to the S.W. cor. thence 600 feet Northerly to the N.W. cor. point of beginning.

Said lode was discovered on the 3rd day of Dec, A.D. 1953 and located on the 16th day of Jan, A.D. 1954
Dated this 30th day of Jan., A. D. 1954

Certified a true copy:

C. W. SNOAD

Exhibit 13

STATE OF COLORADO
IN LOWER SAN MIGUEL
COUNTY, SAN MIGUEL, COLO.
No. 109939
Book 228 Page 221

Feb 2, 1954
10:02 A. M.

Charles C. Carriere
Recorder

KNOW ALL MEN BY THESE PRESENTS

That Dwight Oliver and Frank Buss of Norwood, Colorado, have located the Hope No. 3 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 x 600 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 1260 feet on said vein running Easterly from the center of the discovery cut and 240 feet running Westerly from the center of the discovery cut, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situated in Lower San Miguel Mining District, County of San Miguel, and State of Colorado and described by metes and bounds as follows, to-wit:

Beginning at Corner No. 1 the S. W. cor., which is a double cor. with the N. E. cor. of the Hope No. 1, thence 600 feet Northerly to the N.W., thence 750 feet Easterly to the North side center, thence 750 feet Easterly to the N.E. cor., thence 600 feet Southerly to the S. E. cor., thence 750 feet Westerly to the South side center, thence 750 feet, Westerly to the S. W. cor. point of beginning.

Said lode was discovered on the 3rd day of Dec., A.D. 1953 and located on the 17th day of Jan., A.D. 1954.

Dated this 30th day of Jan., A.D. 1954.

Dwight Oliver (Seal)
Frank Buss (Seal)

Certified a true copy: C. W. SNOAD

Exhibit 14

Filed for record the 26th day of May A. D. 1954 at 4:04 P. M.
Reception No. 114216

Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as Bog No. 1 (NAME) which is situated in Lower San Miguel (MINING DISTRICT) San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No. 1 the N. E. Corner at which this notice is posted; thence West (BEARING), 1500 feet (DISTANCE) to corner No. 2
thence South (BEARING), 600 feet (DISTANCE) to corner No. 3
thence East (BEARING), 1500 feet (DISTANCE) to corner No. 4
thence North (BEARING), 600 feet (DISTANCE) to corner No. 1
the point of beginning.

Tie: Corner No. 1 to this tract is N 49° 00' E (BEARING) 4860 feet (DISTANCE) from the S. W. Corner of Section 26 T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Dwight Oliver
Frank Buss
Dave Goldsworthy

May 15, 1954

Certified a true copy: C. W. SNAOD

Exhibit 15

Filed for record the 26th day of May A. D. 1954 at 4:05 P. M.
Reception No. 114217

Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as Bog No. 2 (NAME) which is situated in Lower San Miguel (MINING DISTRICT) San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No. 1 the S. W. Corner, at which this not is posted; thence West (BEARING), 1500 feet (DISTANCE), to corner No. 2
thence North (BEARING), 600 feet (DISTANCE), to corner No. 3
thence East (BEARING), 1500 feet (DISTANCE), to corner No. 4
thence South (BEARING), 600 feet (DISTANCE), to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 49° 00' E (BEARING) 4860 feet (DISTANCE) from the S. W. Corner of Section 26 T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Dwight Oliver
Frank Buss
Dave Goldsworthy

May 15, 1954

Certified a true copy: C. W. SNOAD

Exhibit 16

Filed for record the 26th day of May A. D. 1954 at 4:06 P. M.
Reception No. 114218

Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as

Bog No. 3
(NAME)

which is situated in Lower San Miguel
(MINING DISTRICT)

San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No 1 the N. E. corner, at which this notice is posted; thence West (BEARING), 1500 feet, to corner No. 2
thence South (BEARING), 600 feet (DISTANCE), to corner No. 3 -
thence East (BEARING), 1500 feet (DISTANCE), to corner No. 4
thence North (BEARING), 600 feet (DISTANCE), to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 39° 45' E (BEARING)
5700 feet (DISTANCE) from the S. W. Corner of sec 26
T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Dwight Oliver
Frank Buss
Dave Goldsworthy

May 15, 1954

Certified a true copy:

C. W. SNAOD

Exhibit 17

Filed for record the 26th day of May A. D. 1954 at 4:07 P. M.
Reception No. 114219

Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as

Bog No. 4
(NAME)

which is situated in Lower San Miguel
(MINING DISTRICT)

San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows;

Beginning at corner No. 1 the S. E. Corner at which this notice is posted: thence West (BEARING), 1500 feet (DISTANCE) to corner No. 2
thence North (BEARING), 600 feet (DISTANCE), to corner No. 3
thence East (BEARING), 1500 feet (DISTANCE), to corner No. 4
thence South (BEARING). 600 feet (DISTANCE). to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 39° 45' E (BEARING)
5700 feet (DISTANCE) from the S. W. Cor. of Sec. 26
T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Frank Buss
Dave Goldsworthy
Dwight Oliver

May 15, 1954

Certified a true copy:

C. W. SNAOD

Exhibit 18

Filed for record the 26th day of May A. D. 1954 at 4:08 P. M. Reception No. 114220

Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as

Bog No. 5
(NAME)

which is situated in Lower San Miguel
(MINING DISTRICT)

San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No. 1 the S. W. corner at which this notice is posted: thence East (BEARING), 1500 feet (DISTANCE), to corner No. 2, thence North (BEARING), 600 feet (DISTANCE), to corner No. 3, thence West (BEARING) 1500 feet (DISTANCE), to corner No. 4, thence South (BEARING) 600 feet (DISTANCE), to corner No. 1, the point of beginning.

Corner No. 1, to this tract is N 49° 00' E (BEARING) 4860 feet (DISTANCE), from the S. W. corner of Section 26 T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Dwight Oliver

May 15, 1954

Certified a true copy: C. W. SNAOD

Exhibit 19

Filed for record the 26th day of May A. D. 1954 at 4:09 P. M.
Reception No. 114221

Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as

Bog No. 6
(NAME)

which is situated in Lower San Miguel
(MINING DISTRICT)

San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No. 1 the N. W. corner, at which this notice is posted; thence East (BEARING), 1500 feet (DISTANCE), to corner No. 2
thence South (BEARING), 600 feet (DISTANCE), to corner No. 3
thence West (BEARING), 1500 feet (DISTANCE), to corner No. 4
thence North (BEARING), 600 feet (DISTANCE), to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 39° 45' E (BEARING)
5700 feet (DISTANCE) from the S. W. Corner of Sec 26
T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Dwight Oliver
Frank Buss
Dave Goldsworthy

May 15, 1954

Certified a true copy:

C. W. SMAOD

Exhibit 20

Filed for record the 26th day of May A. D. 1954 at 4:10 P. M.
Reception No. 114222
Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as

Bog No. 7
(NAME)

which is situated in Lower San Miguel
(MINING DISTRICT)

San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No. 1 the S. W. Corner, at which this notice is posted; thence East (BEARING), 1500 feet, to corner No. 2
thence North (BEARING), 600 feet (DISTANCE), to corner No. 3
thence West (BEARING), 1500 feet (DISTANCE), to corner No. 4
thence South (BEARING), 600 feet (DISTANCE), to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 39° 45' E (BEARING)
5700 feet (DISTANCE) from the S. W. corner of section 26
T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Dwight Oliver
Dave Goldsworthy
Frank Buss

May 15, 1954

Certified a true copy:
C. W. SNOAD

Exhibit 21

Filed for record the 26th day of May A. D. 1954 at 4:11 P. M.
Reception No. 114223

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as Hope No. 1 (NAME) which is situated in Lower San Miguel (MINING DISTRICT) San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No. 1 the S. E. Corner, at which this notice is posted; thence West (BEARING), 1500 feet (DISTANCE), to corner No. 2
thence North (BEARING), 600 feet (DISTANCE), to corner No. 3
thence East (BEARING), 1500 feet (DISTANCE), to corner No. 4
thence South (BEARING), 600 feet (DISTANCE), to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 61° 30' E (BEARING) 4180 Feet (DISTANCE) from the S. W. Corner of Section 26 T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natural object)

Dwight Oliver
Frank Buss

May 15, 1954

Certified a true copy:

C. W. SNAOD

Exhibit 22

Filed for record the 26th day of May A. D. 1954 at 4:12 P. M.
Reception No. 114224

Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as

Hope No. 2
(NAME)

which is situated in Lower San Miguel
(MINING DISTRICT)

San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No. 1 the S. W. Corner, at which this is posted; thence East (BEARING), 1500 feet (DISTANCE) to corner No. 2
thence North (BEARING), 600 feet (DISTANCE) to corner No. 3
thence West (BEARING), 1500 feet (DISTANCE) to corner No. 4
thence South (BEARING), 600 feet (DISTANCE) to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 61° 30' E (BEARING)
4180 feet (DISTANCE) from the S. W. Corner of Section 26
T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natrual object)

Dwight Oliver
Frank Buss

May 15, 1954

Certified a true copy:

C. W. SNAOD

Exhibit 23

Filed for record the 26th day of May A. D. 1954 at 4:13 P. M.
Reception No. 114225 Charles C. Carriere
Recorder

NOTICE OF LEASE APPLICATION
Under provisions of U. S. Atomic Energy Commission
Domestic Uranium Program Circular 7

Notice is hereby given that the undersigned is applying for a uranium mining lease on this tract, known as

Hope No. 3
(NAME)

which is situated in Lower San Miguel
(MINING DISTRICT)

San Miguel (COUNTY), Colorado (STATE), and is bounded and described as follows:

Beginning at corner No.1 the N. W. Corner, at which this notice is posted; thence East 1500 feet (BEARING), (DISTANCE) to corner No. 2
thence South (BEARING), 600 feet (DISTANCE) to corner No. 3
thence West 1500 feet (BEARING), (DISTANCE) to corner No. 4
thence North (BEARING), 600 feet (DISTANCE) to corner No. 1
the point of beginning.

Corner No. 1 to this tract is N 49° 00' E (BEARING)
4860 feet (DISTANCE) from the S. W. Corner of Section 26
T 43 N, R 18 W, NMPM
(Public Land Survey Monument or other permanent monument or natrual object)

Dwight Oliver
Frank Buss

May 15, 1954

Certified a true copy: C. W. SNAOD

Exhibit 24

STATE OF COLORADO
No. 121130
Book 246 Page 292

Nov. 27, 1954
11:04 A.M.

Charles C. Carriere
County Clerk

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver, Dave Goldsworthy and Frank Buss, citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Bog No. 1 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 300 feet of said lode running Westerly and 1200 feet running Easterly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at corner No. 1, (which is a double corner with corner No. 2 of the Bog No. 2, and should be as near as can be determined the NE corner of the Mystery A claim belonging to Fred Trudi and Associates), thence 600 feet Southerly to the SW corner, thence 750 feet Easterly to the South side center, thence 750 feet Easterly to the SE corner, thence 600 feet Northerly to the NE corner, thence 750 feet Westerly to the North side center, thence 750 feet Westerly to the NW corner No. 1 point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83rd Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made November 9, 1953, Recorded November 18, 1953, in Book 226, Page 56, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described and of more definitely describing the locus and boundaries of said Lode, correcting any irregularties, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Dwight Oliver
Frank Buss
Dave Goldsworthy

Certified a true copy: _____
C. W. SNOAD

Exhibit 25

STATE OF COLORADO
No. 121131
Book 246 Page 293
11:05 A. M.

Nov. 27, 1954

Charles C. Carriere
Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver, Dave Goldsworthy, and Frank Buss, citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Bog No. 2 Lode, claiming by right of discovery, location primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface , and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim 350 feet of said lode running Westerly and 1150 feet running Easterly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at N. W. corner No. 1. thence 600 feet Southerly to S. W. corner No. 2, (which is a double corner with corner No. 1 of the Bog No. 1), thence 750 feet Easterly to the South side center, thence 750 Easterly to the S. E. corner, thence 600 feet Northerly to the N. E. corner, thence 750 feet Westerly to the North side center, thence 750 Westerly to the N. W. corner, point of beginning.

This notice is filed purusant to the provisions of Public Law 585, 83rd Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made November 9, 1953, Recorded November 18, 1953, in Book 226, Page 57, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Dwight Oliver
Dave Goldsworthy
Frank Buss

Certified a true copy:

C. W. SNOAD

Exhibit 26

STATE OF COLORADO
No. 121132
Book 246 Page 294

Nov. 27, 1954
11:06 A.M.

Charles C. Carriere
Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver, Dave Goldsworthy and Frank Buss, citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Bog No. 3 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 610 feet of said lode running Westerly and 890 feet running Easterly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the SW corner (which is a double corner with the NW corner of the Bog No. 2), thence 600 feet Northerly to the NW corner, thence 750 feet Easterly to the North side center, thence 750 feet to the NE corner, thence 600 feet Southerly to the SE corner, thence 750 feet to the South side center, thence 750 feet to the SW corner point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83rd Congress for the purpose of obtaining the benefits thereof.

THIS AMEMDED LOCATION is made in conformity with the Original Location, made November 11, 1953, Recorded November 18, 1953, in Book 226, Page 58, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Certified a true copy: C. W. SNOAD

Dwight Oliver
Frank Buss
Dave Goldsworthy

Exhibit 27

STATE OF COLORADO
NO. 121133
BOOK 246 Page 295
11:07 A. M.

Nov. 27, 1954

Charles C. Carriere
Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver, Dave Goldsworthy and Frank Buss, citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Bog No. 4 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 150 feet of said lode running Easterly and 1350 feet running Westerly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Minuel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the SE corner (which is also the NE corner of the Bog No. 3), thence 750 feet Westerly to the South side center stake, thence 750 feet Westerly to the SW corner, thence 600 feet Northerly to the NW corner thence 750 feet Easterly to the North side center stake, thence 750 feet Easterly to the NE corner, thence 600 feet Southerly to the Southeast corner point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83 Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made March 22, 1954, Recorded April 16, 1954, in Book 233, Page 223, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Dwight Oliver
Frank Buss
Dave Goldsworthy

Certified a true copy:

C. W. SNOAD

Exhibit 28

STATE OF COLORADO
No. 121134
Book 246 Page 296

Nov. 27, 1954
11:08 A.M.

Charles C. Carriere
Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver, Dave Goldsworthy and Frank Buss, Citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Bog No. 5 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 114 feet of said lode running Westerly and 1386 feet running Easterly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the SW corner, (which is also the NE corner of Bog No. 1), thence 600 feet Northerly to the NW corner, thence 750 feet Easterly to North side center stake, thence 750 feet Easterly to the NE corner, thence 600 feet Southerly to the SE corner, thence 750 feet Westerly to South side center stake, thence 750 feet Westerly to the SW corner point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83rd Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made March 19, 1954, Recorded April 16, 1954, in Book 233, Page 224, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954

Certified a true copy: C. W. Snoad

C. W. SNOAD

Dwight Oliver
Frank Buss
Dave Goldsworthy

Exhibit 29

STATE OF COLORADO
NO 121135
Book 246 Page 297
11:09 A. M.

Nov. 27, 1954

Charles C. Carriere
Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver, Dave Goldsworthy and Frank Buss citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Bog No. 6 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 90 feet of said lode running Westerly and 1410 feet running Easterly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the SW corner (which is also the NE corner of Bog No. 2), thence 600 feet Northerly to the NW corner, thence 750 feet Easterly to North side center stake, thence 750 feet Easterly to the NE corner, thence 600 feet Southerly to the SE corner, thence 750 feet Westerly to South side center stake, thence 750 feet Westerly to the SW corner, point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83 Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made March 20, 1954, Recorded April 16, 1954, in Book 233, Page 225, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virture of said Original Location.

Date of Amended Location, October 20th, 1954.

Dwight Oliver
Frank Buss
Dave Goldsworthy

Certified a true copy

C. W. SNOAD

Exhibit 30

STATE OF COLORADO
No. 121136
Book 246 Page 298

Nov. 27, 1954
11:10 A.M.

Charles C. Carriere
Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver, Dave Goldsworthy and Frank Buss, citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Bog No. 7 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 150 feet of said lode running Westerly and 1350 feet running Easterly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the SW corner (which is also the NE corner of Bog No. 3), thence 600 feet Northerly to the NW corner, thence 750 feet Easterly to the North side center stake, thence 750 feet Easterly to the NE corner, thence 600 feet Southerly to the SE corner, thence 750 feet Westerly to the South side center stake, thence 750 feet Westerly to the SW corner point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83rd Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made March 21, 1954, Recorded April 16, 1954, in Book 233, Page 226, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Dwight Oliver
Frank Buss
Dave Goldsworthy

Certified a true copy: C. W. SNOAD

Exhibit 31

STATE OF COLORADO
No. 121137
Book 246 Page 299
11:11 A. M. Nov. 27, 1954 Charles C. Carriere
Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver and Frank Buss, citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Hope No. 1 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 750 feet of said lode running Easterly and 750 feet running Westerly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the N. W. corner, (which is a double corner with the S. W. corner of the Bog No. 1), thence 750 feet Easterly to the North side center, thence 750 feet Easterly to the N. E. corner, thence 600 feet Southerly to the S. E. corner, thence 750 feet Westerly to the S. W. corner, thence 600 feet Northerly to the N. W. corner, point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83rd Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made January 16, 1954, Recorded February 2, 1954, in Book 228, Page 219 of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Frank Buss
Dwight Oliver

Certified a true copy:

C. W. SNAOD

Exhibit 32

STATE OF COLORADO
NO. 121138
Book 246 Page 300 Nov 27, 1954 Charles C. Carriere
11:12 A. M. Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver and Frank Buss citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Hope No. 2 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 1365 feet of said lode running Easterly and 135 feet running Westerly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the lines of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the NW corner (which is also a double corner with the NE corner of the Hope No. 1) thence 750 feet Easterly to the North side center, thence 750 feet Easterly to the NE corner, thence 600 feet Southerly to the SE corner, thence 750 feet Westerly to the South side center, thence 750 feet Westerly to the SW corner thence 600 feet Northerly to the NW corner point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83 Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made January 16, 1954, Recorded February 2, 1954, in Book 228, Page 220, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Dwight Oliver
Frank Buss

Certified a true copy:

C. W. SNOAD

Exhibit 33

STATE OF COLORADO
No. 121139 Nov 27, 1954 Charles C. Carriere
Page 301 Book 246 11:13 A. M. Recorder

AMENDED LOCATION NOTICE

NOTICE IS HEREBY GIVEN, That Dwight Oliver and Frank Buss citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Colorado, relating to mining claims, and with the local laws, customs, rules and regulations of Lower San Miguel Mining District, hereby made and file this Amended Location of the Hope No. 3 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing fissionable minerals and other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 1260 feet of said lode running Easterly and 240 feet running Westerly from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the Lower San Miguel Mining District, County of San Miguel, State of Colorado. Said claim being particularly described by actual field notes of survey this 12th day of October, 1954, as follows, to-wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, at the SW corner (which is a double corner with the NE corner of the Hope No. 1) thence 600 feet Northerly to the NW corner, thence 750 feet Easterly to the North side center, thence 750 feet Easterly to the NE corner, thence 600 feet Southerly to the SE corner, thence 750 feet Westerly to the South side center, thence 750 feet Westerly to the SW corner point of beginning.

This notice is filed pursuant to the provisions of Public Law 585, 83 Congress for the purpose of obtaining the benefits thereof.

THIS AMENDED LOCATION is made in conformity with the Original Location, made January 17, 1954, Recorded February 2, 1954, in Book 228, Page 221, of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, October 20th, 1954.

Dwight Oliver
Frank Buss

Certified a true copy

C. W. SNOAD

Exhibit 34

STATE OF COLORADO
IN LOWER SAN MIGUEL COUNTY, SAN MIGUEL, COLORADO
No. 121018
Book 246 Page 260 9:01 A.M.

Nov 27, 1954

Charles C. Carriere
Recorder

NOTICE OF WITHDRAWAL OF LEASE APPLICATION
OR NOTICE OF RELEASE OF URANIUM LEASE

NOTICE IS HEREBY GIVEN by the undersigned that:

*1. The undersigned did on Nov 27, 1954 file with the Atomic Energy Commission a withdrawal of uranium lease application No. OG 703 or 704 covering the following described tracts, to-wit: Bog No. 1, Bog No. 2, Bog No. 3, Bog No. 4, Bog No. 5, Bog No. 6, and Bog No. 7, located in Lower San Miguel Mining District, San Miguel County, State of Colorado.

*2. The undersigned did, on _____, 1954 file with the A.E.C. a release of uranium lease No._____issued to the umdersigned under Circular 7, covering the following described tracts, to-wit_____ located in _____Mining District_____, County, State of_____ _____.

This notice of withdrawal of lease application or release of lease issued under Circular 7 is recorded in compliance with Public Law 585, 83rd Congress.

Frank Buss
Dave Goldsworthy
Dwight Oliver

*If application for lease is pending, fill in Paragraph 1; if lease has been issued, fill in Paragraph 2.

Certified a true copy: C. W. SNOAD

Exhibit 35

STATE OF COLORADO
County of San Miguel
No. 121019 9:02 A.M. Nov. 27, 1954 Charles C. Carriere
Book 246, Page 261 Recorder

NOTICE OF WITHDRAWAL OF LEASE APPLICATION
or NOTICE OF RELEASE OF URANIUM LEASE

NOTICE IS HEREBY GIVEN by the undersigned that:

*1. The undersigned did on Nov. 27, 1954, file with the Atomic Energy Commission a withdrawal of uranium lease application No. OG 703 or 704 covering the following described tracts, to-wit: Hope No. 1, Hope No. 2, Hope No. 3 located in Lower San Miguel Mining District, San Miguel County, State of Colorado.

*2. The undersigned did, on _____, 1954 file with the A. C. C., a release of uranium lease No. _____ issued to the undersigned under Circular 7, covering the following described tracts, to-wit: _____ located in _____ Mining District, _____ County, State of _____.

This notice of withdrawal of lease application or release of lease issued under circular 7 is recorded in compliance with Public Law 585, 83rd Congress.

Dwight Oliver
Frank Buss

*If application for lease is pending, fill in paragraph 1; if lease has been issued, fill in paragraph 2.

Certified a true copy: C. W. Snoad

C. W. SNOAD

Exhibit 36

Bog & Hope DMEA

Personal Record of Patrick W. Brady

1. Stanolind Oil & Gas Company--geologist--2 years.

2. Azufre Veracruz--officer of this company which operates in Mexico. Geological work, drilling and assistance in design of a plant to produce sulphur. Company's present proven reserves exceed 13,000,000 tons.

3. Pan American Sulphur Company--Director of this producing sulphur company operating in Mexico.

4. Gulf Sulphur Corporation--Vice-President of this company which controls sulphur properties in Mexico.

5. Bradco Oil & Gas Company--President--a corporation actively engaged in oil and gas exploration and development.

6. Graduate of the University of Texas.

Personal Record of Fred W. Howells

1. Fred Mannig, Inc.--one year.

2. American Republics Corporation--three years.

3. Mike Halbouty, Geologist--one and one-half years. Both field and office work with each of the above companies.

4. Monarch Exploration Corporation--now acting as sole representative for this company in Colorado, Utah and New Mexico.

Exhibit 37

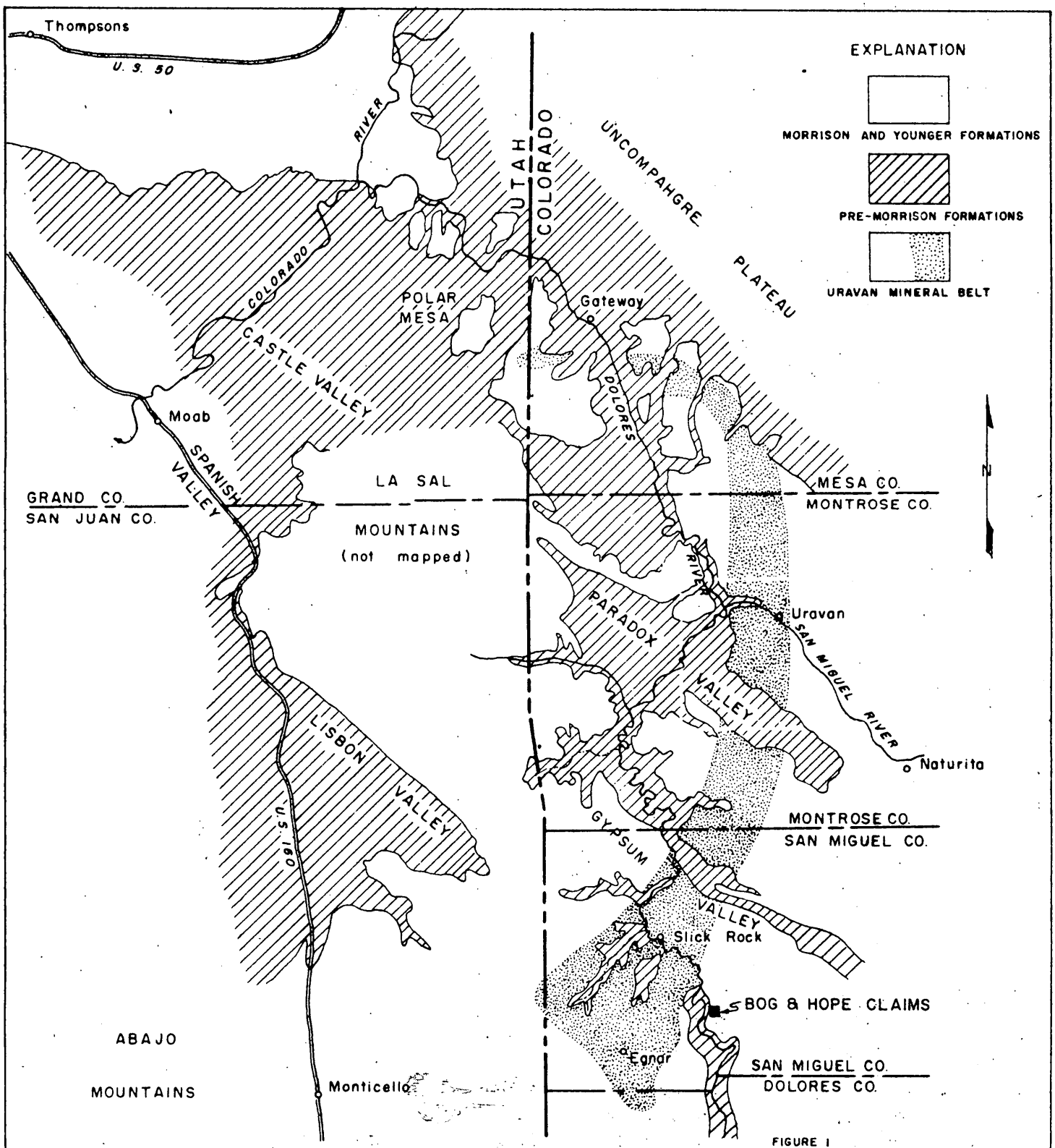
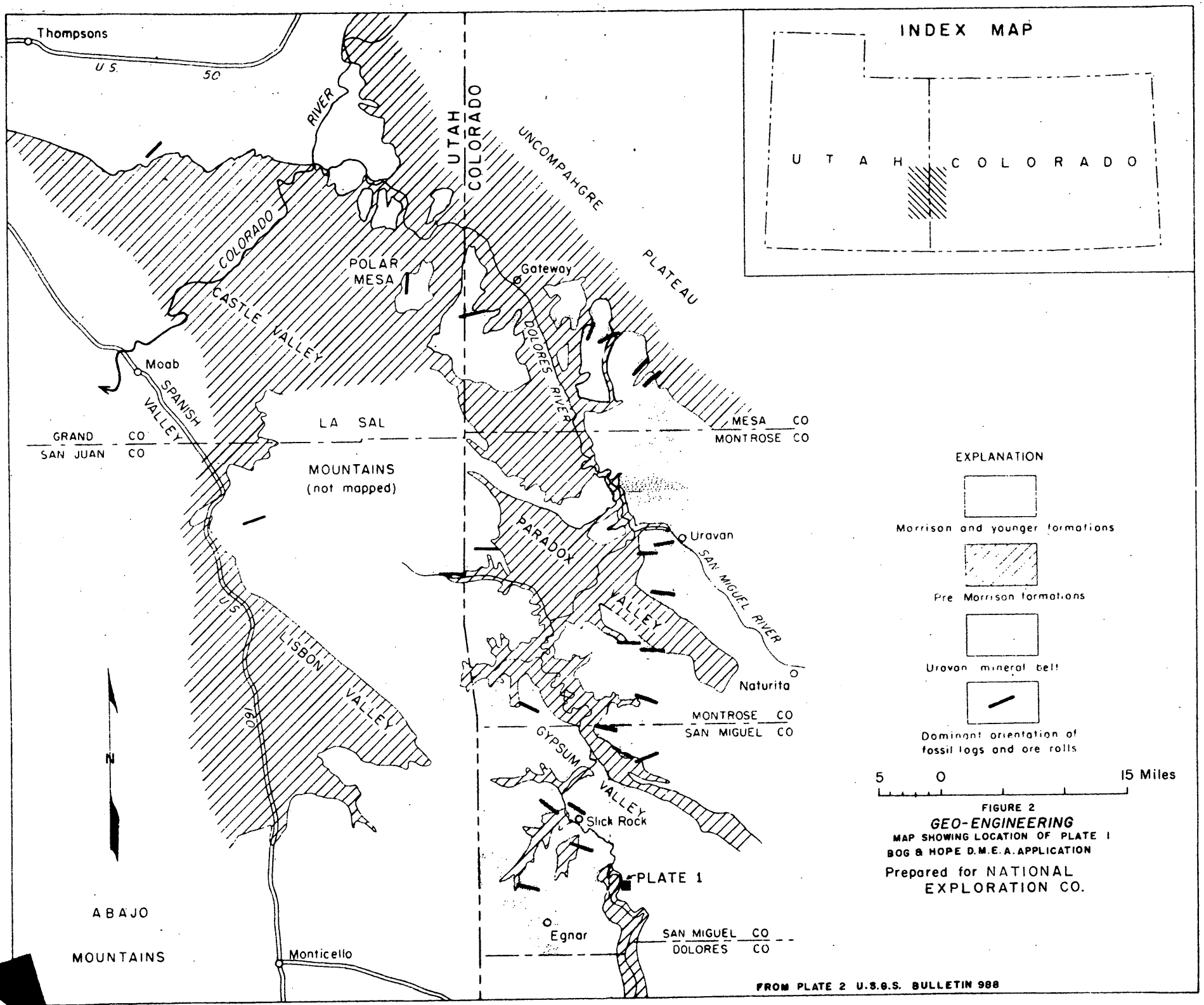
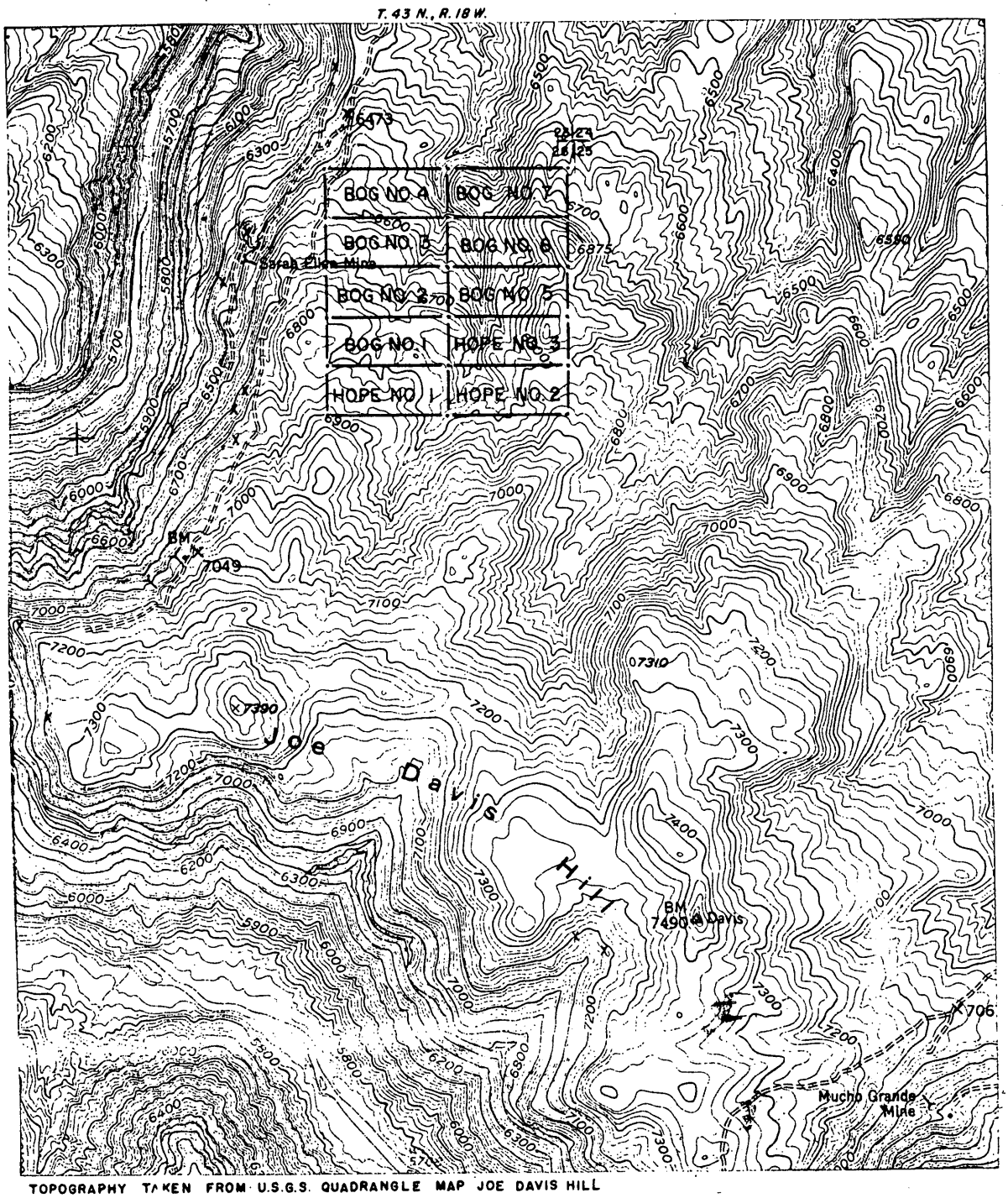


FIGURE 1
GEO-ENGINEERING
MAP OF URAVAN MINERAL BELT
SHOWING
LOCATION OF
BOG & HOPE D.M.E.A. APPLICATION
Prepared for NATIONAL
EXPLORATION CO.



MAP OF PART OF COLORADO AND UTAH. SHOWING THE DOMINANT ORIENTATION OF THE FOSSIL LOGS AND ORE ROLLS



TOPOGRAPHY TAKEN FROM U.S.G.S. QUADRANGLE MAP JOE DAVIS HILL

FIGURE 3

GEO-ENGINEERING

MAP

SHOWING

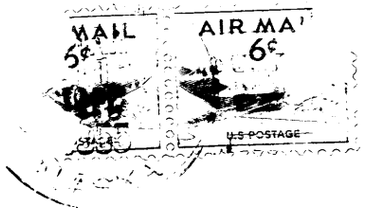
BOG & HOPE GROUP

Prepared for NATIONAL EXPLORATION CO.

Scale 1" = 2000'

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~U. S. BUREAU OF MINES~~
~~METAL ECONOMICS BRANCH~~
~~JUNEAU, ALASKA~~

OFFICIAL BUSINESS



VIA AIR MAIL

Maps

~~GEO. M. SELFRIDGE, CHAIRMAN~~

~~OPERATING COMMITTEE~~

DEFENSE MINERALS EXPLORATION ADMIN.

WASHINGTON 25, D. C.

VIA AIR MAIL

Maps