DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4855

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

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DATE	INITIALS	CODE
1/20	JG	220
1/21	[illegible]	700

Navajo Mineral Fund, Inc.

PRODUCERS, EXPLORERS AND FINANCIERS OF
METALLIC AND NON-METALLIC MINERALS

STATUARY OFFICE

223 FREMONT STREET
LAS VEGAS, NEVADA

JAN. 17, 1958

United States Department of Interior
Defense Mineral Exploration Adm.
Washington, 25, D. C.

RE: Docket No. DMEA -4855 URanium
Philura Group of Claims
San Miguel County, Colo.

Attention: Mr. F. L. Knouse

Dear Mr. Knouse:

Enclosed is a copy of the Mining Deed covering the Philura Group of Claims.

The writer hopes that this will suffice the information asked for in your previous letter.

Very Truly Yours

NAVAJO MINERAL FUND INC
J.J.SATIN

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DOCUMENT
Entry No. 633

MINING DEED

THIS INDENTURE, Made this 1st day of September, 1957, between ALAN M. SIMPSON and JULIAN E. SIMPSON, mining partners doing business as Simpson Mining Company of Grand Junction, Colorado, ARTHUR HAMILTON and OTIS PHILLIPS, JR., both of Dallas, Texas, JOHN W. HARRIS, W. D. McDAVID, REX PHILLIPS, and GRAHAM B. LADD, all of San Antonio, Texas, Grantors, and BEAVER MESA URANIUM, INC., Grantee, WITNESSETH:

That the said Grantors, for and in consideration of the sum of Ten Dollars and other valuable consideration, to them in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, have granted, bargained, sold, remised, released and forever quitclaimed, and by these presents do grant, bargain, sell, remise, release and forever quitclaim, unto the said Grantee, its successors and assigns, the following described groups of unpatented lode mining claims:

GROUP I

NAME OF CLAIM	LOCATION CERTIFICATE BOOK:	PAGE:	AMENDED LOCATION CERTIFICATES BOOK:	PAGE:
Sage No. 1	216	504	258	285
Sage No. 2	216	505	258	287
Sage No. 3	216	505	258	289
Sage No. 4	216	506	258	291
Sage No. 5	216	506	258	293
Sage No. 6	216	507	258	295
Sage No. 7	216	507	258	297
Sage No. 8	216	508	258	299
Sage No. 9	216	508	258	301
Sage No. 10	216	509	258	303
Sage No. 11	216	509	258	254
Sage No. 12	216	510	258	305
Sage No. 13	216	510	258	307
Sage No. 14	216	511	258	309
Sage No. 15	216	511	258	311
Sage No. 23	216	513	258	318
Sage No. 24	216	514	258	321
Sage No. 25	216	514	258	323
Sage No. 26	216	515	258	325
Sage No. 27	216	515	258	327
Sage No. 28	216	516	258	329
Sage Fraction	228	441	258	283

Subject to mining lease dated September 14, 1953, between Grantors and Eric Schley, a supplemental agreement between the parties, dated the same date, an assignment of lease to Ute Uranium, Inc., dated October 2, 1953, a supplement to said lease to include the Sage Fraction dated March 3, 1954, and an agreement between Grantors herein and VCA with Ute Uranium, Inc., dated September 6, 1955.

The above claims in Group I are situate, lying and being in San Miguel County, Colorado.

EXHIBIT "I"

GROUP II

Situate, lying and being in the County of San Miguel State of Colorado, to-wit:

NAME OF CLAIM:	LOCATION CERTIFICATE BOOK:	LOCATION CERTIFICATE PAGE:	AMENDED LOCATION CERTIFICATE BOOK:	AMENDED LOCATION CERTIFICATE PAGE:
Doss No. 1	216	331	264	101
Doss No. 2	216	332	264	103
Doss No. 3	216	332	264	105
Doss No. 4	216	333	264	107
Doss No. 5	216	333	264	109
Grass Flat	216	435	258	341
Philura No. 1	224	202	258	343
Philura No. 2	224	203	258	345
Philura No. 3	224	204	258	347
Philura No. 4	224	205	258	349
Philura No. 5	224	206	258	351
Philura No. 6	224	207	258	353
Philura No. 7	224	208	258	355
Philura No. 8	224	209	258	357
Philura No. 9	224	210	258	359
Philura No. 10	224	211	261	99
Philura No. 11	224	212	261	101
Philura No. 12	224	213	261	103
Philura No. 13	224	214	261	105
Philura No. 14	224	215	261	107
Philura No. 15	224	216	261	109
Philura No. 16	224	217	261	111
Philura No. 17	224	218	261	113
Philura No. 18	224	219	261	115
Philura No. 19	224	220	261	117
Philura No. 20	224	221	261	119
Philura No. 21	224	222	261	121
Philura No. 22	224	223	261	123
Philura No. 23	224	224	261	125
Philura No. 24	224	225	261	127
Philura No. 25	224	226	261	129
Philura No. 26	224	227	261	131
Philura No. 27	224	228	261	133
Philura No. 28	224	229	261	135
Philura No. 29	224	230	261	137
Philura No. 30	224	231	261	139
Philura No. 31	224	232	261	141
Philura No. 32	224	233	261	143
Philura No. 33	224	234	261	145
Philura No. 34	224	235	261	147
Philura No. 35	224	236	261	149
Philura No. 36	224	237	261	151
Philura No. 37	224	238	261	153
Philura No. 38	224	239	261	155
Philura No. 39	224	240	261	157
Philura No. 40	224	241	261	159
Philura No. 41	224	242	261	161
Philura No. 42	224	243	261	163
Philura No. 43	224	244	261	165
Philura No. 44	224	245	261	167
Philura No. 45	224	246	261	169
Philura No. 46	224	247	261	171
Philura No. 47	224	248	261	173
Philura No. 48	224	249	261	175
Philura No. 49	224	250	261	177

NAME OF CLAIM	LOCATION CERTIFICATE BOOK:	LOCATION CERTIFICATE PAGE:	AMENDED LOCATION CERTIFICATE BOOK:	AMENDED LOCATION CERTIFICATE PAGE:
Philura No. 50	224	251	261	179
Philura No. 51	224	252	261	181
Philura No. 52	224	253	261	183
Philura No. 53	224	254	261	185
Philura No. 54	224	255	261	187
Philura No. 55	224	256	261	189
Philura No. 56	224	257	261	191
Philura No. 57	224	258	261	193
Philura No. 58	224	259	261	195
Philura No. 59	224	260	261	197
Philura No. 60	224	261	261	199
Philura No. 61	224	262	261	201
Philura No. 62	224	263	261	203
Philura No. 63	224	264	261	205
Philura No. 64	224	265	261	207
Philura No. 65	224	266	261	209
Philura No. 66	224	267	261	211
Philura No. 67	224	268	261	213
Philura No. 68	224	269	261	215
Philura No. 69	224	270	261	217
Philura No. 70	224	271	261	219
Philura No. 71	224	272	261	221
Philura No. 72	224	273	261	223
Philura No. 73	224	274	261	225
Philura No. 74	224	275	261	227
Philura No. 75	224	276	261	229
Philura No. 76	224	277	261	231
Philura No. 77	224	278	261	233
Philura No. 78	224	279	261	235
Philura No. 80	224	280	261	237
Philura No. 81	224	281	261	239
Philura No. 82	258	339		
Doss "A" Fraction	258	331		
Doss "B" Fraction	258	333		
Philura "A" Fraction	258	335		
Philura "B" Fraction	258	337		

Philura Nos. 57, 58 and 59 are subject to a certain lease between Grantors and William U. January dated May 4, 1955, and assignment thereof to Navajo Uranium and Thorium Company dated November 3, 1955.

GROUP III

Situate, lying and being in the County of San Miguel, State of Colorado, to-wit:

NAME OF CLAIM	LOCATION CERTIFICATE BOOK:	PAGE:	AMENDED LOCATION CERTIFICATE BOOK:	PAGE:
Topaz No. 1	216	421	261	43
Topaz No. 2	216	421	261	45
Topaz No. 3	216	422	261	47
Topaz No. 4	216	422	261	49
Topaz No. 5	216	423	261	51
Topaz No. 6	216	423	261	53
Topaz No. 7	216	424	261	55
Topaz No. 8	216	424	261	57
Topaz No. 9	216	425	261	59
Topaz No. 10	216	425	261	61
Topaz No. 11	216	426	261	63
Topaz No. 13	216	426	261	65
Topaz No. 15	216	427	261	67
Topaz No. 16	216	427	261	69
Topaz No. 17	216	428	261	71
Topaz No. 18	216	428	261	73
Topaz No. 19	216	429	261	75
Topaz No. 20	216	429	261	77
Topaz No. 21	216	430	261	79
Topaz No. 22	216	430	261	81
Topaz No. 23	216	431	261	83
Topaz No. 24	216	431	261	85
Topaz No. 25	216	432	261	87
Topaz No. 26	216	432	261	89
Topaz No. 27	216	433	261	91
Topaz No. 28	216	433	261	93
Topaz No. 29	216	434	261	95
Topaz No. 30	216	434	261	97

Copies of all of the foregoing described leases and instruments have been furnished to the Grantee hereunder for its inspection.

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 Grantors, 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 Grantee, its successors and assigns forever.

* Subject to a mining lease between the Grantors and Gypsum Valley Mining Company, dated June 17, 1957.

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

SIMPSON MINING COMPANY

By Julian E. Simpson
A Partner In Simpson Min. Co.

Arthur Hamilton

Otis Phillips, Jr.

John W. Harris

W. D. McDavid

Rex Phillips

Graham S. Ladd

STATE OF COLORADO }
COUNTY OF M E S A } ss

The Foregoing instrument was acknowledged before me this 19th day of September, A. D. 1957, by Julian E. Simpson a partner of Simpson Mining Company.

My commission expires: July 1, 1959

Kathryn A. Hogge
Notary Public

STATE OF TEXAS }
COUNTY OF DALLAS } ss

The foregoing instrument was acknowledged before me this 21st day of September, A. D. 1957, by Arthur Hamilson.

My commission expires: June 1, 1959

Jewell Weaver
Notary Public

STATE OF TEXAS }
COUNTY OF DALLAS } ss

The foregoing instrument was acknowledged before me this 21st day of September, A. D., 1957, by Otis Phillips, Jr.

My commission expires: June 1, 1959

Jewell Weaver
Notary Public

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DATE	INITIALS	CODE

STATE OF TEXAS }
COUNTY OF BEXAR } ss

The foregoing instrument was acknowledged before me this 26th day of September, 1957, by John W. Harris.

My commission expires June 1, 1959

Notary Public

JEAN M. LOWE
Notary Public, Bexar County, Texas

STATE OF TEXAS }
COUNTY OF BEXAR } ss

The foregoing instrument was acknowledged before me this 26th day of September, 1957, by W. D. McDavid.

My commission expires June 1, 1959

Notary Public

JEAN M. LOWE
Notary Public, Bexar County, Texas

STATE OF TEXAS }
COUNTY OF BEXAR } ss

The foregoing instrument was acknowledged before me this 26th day of September, 1957, by Rex Phillips.

My commission expires June 1, 1959

Notary Public

JEAN M. LOWE
Notary Public, Bexar County, Texas

STATE OF TEXAS }
COUNTY OF BEXAR } ss

The foregoing instrument was acknowledged before me this 26th day of September, 1957, by Graham E. Ladd.

My commission expires June 1, 1959

Notary Public

JEAN M. LOWE
Notary Public, Bexar County, Texas

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DATE	INITIALS	CODE

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

RECEIVED OCT 21 D.M.E.A.

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Navajo Mineral Fund, Inc.,
223 Fremont Street,
Las Vegas,
Nevada.

Submitted by Jules Joseph Satin, President of the Navajo Mineral Fund, Inc.,

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4855
Date Received: 10/21/57
Government Participation %:
Region: III
Division Code: 700

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [x]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized:

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Jules Joseph Satin,	6123 Maryland Dr, Los Angeles, Calif,	President.
Rose Satin,	6123 Maryland Dr, Los Angeles, Calif,	Sec-Treas.
Nelson Hall,	Detroit, Michigan,	Vice President.

Mineral(s) for which you wish to explore: Uranium.

Estimated Cost of Project: $ 50,000.

LOCATION OF PROPERTY

Name	County	State
Navajo Mineral Fund, Inc.,	San Miguel,	Calorado.

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

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.

October 8, 1957.
Dated

BY *(Signature)*

President, Navajo Mineral Fundm Inc.,
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP.-SEC., WASH., D.C. 15539

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Navajo Mineral Fund, Inc.

PRODUCERS, EXPLORERS AND FINANCIERS OF
METALLIC AND NON-METALLIC MINERALS

STATUARY OFFICE

223 FREMONT STREET
LAS VEGAS, NEVADA

October 8, 1957

Mr. Ernest William Ellis
Director
Division of Rare and Miscellaneous Metals
U.S. Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Re: Docket No. D.M.E.A.-4071 (Uranium)
Philura Group of Claims
San Miguel County, Colorado

Dear Mr Ellis:

With further reference to your letter of August 20, 1957, this letter together with four copies of your form MF-103 - Application for Aid in an Exploration Project, and four copies of other related detail is enclosed herewith.

The object of this application is to reinstate our application for a D.M.E.A.loan requested in 1955, and given the above Docket number by you at that time. The D.M.E.A. application was canceled at our request, however we now wish to renew it.

1.

a. This application refers to three claims, each 600 feet in width by 1500 feet in length, a total of 60 acres. These claims are located in San Miguel County, lower San Miguel Mining District, in Section 10, Township 43 North, Range 18 West, in the State of Colorado.

These claims form the Slick Rock Claim Group which was leased to Mr. William U. January by the Simpson Mining Company of Grand Junction, Colorado. Mr. January assigned his lease (on payment) to the Navajo Uranium and Thorium Corporation of 223 Fremont Street, Las Vegas, Nevada, (see your file under Docket D.M.E.A. - 4071, noted above.) The Navajo Uranium and Thorium Corporation has now changed its name to the Navajo Mineral Fund, Inc., of the same address.

These claims are unpatented and are recorded in Book No. 224 on page No. 258-59-60 in the Dove Creek Court House Recorders Office for San Miguel County of the State of Colorado.

b. These three claims are named Philura #57, Philura #58, and Philura #59.

c. The Navajo Mineral Fund, Inc., is the sole Lessee of the property.

d. There are no liens, loans, or mortgages upon the property.

2.

a. The drawing submitted herewith illustrates such exploration and development work as has been conducted upon the property. There are three Adets driven to a depth of approximately 8 feet at the level of the second rim of Salt Wash, these Adets are spaced over 1200 feet, and are connected by a rail track which passes the portal of each. Near the center Adet is a Chute which discharges ore to an ore bin located just above the River level. The Bin is so constructed as to afford easy

2. a. continued

loading of the ore into trucks for shipment to the Government Stockpile. The Adets show a five foot face in ore, and this ore assays values of from 0.22% U_3O_8 to 1.50% U_3O_8. although we are not content to estimate the average grade of our ore at 0.50% U_3O_8. The following mines which are in commercial production are located within a short distance of the Navajo Mineral Fund property.
1. Full Moon Mine. 2. Bertock Mining Company. 3. Mucho Grande Mine. 4. Lucky 4. "D" Mine. 5. Horse Shoe Bend Development Company. 6. Climax Uranium. 7. U.S. Vanadium Corporation. 8. Union Carbide. 9. Jack Turner. 10. Norma Jean Mines and many others.

b. Our interest in this property is as that of Lessee - the writer being President.

c. No production has yet been attempted by the Navajo Mineral Fund, Inc.

d. It is our opinion that the ore reserves on this property are considerable, the exposures on the Cliff Face as shown on our drawing have been traced for over 1000 feet in width, and they are traced over a vertical height of 350 feet, the three Adets are driven to a depth of 8 feet in premium and bonus ore. There are outcrops on Philura #58 and on Philura #57 which give indication of the necessity for Core Drilling on these two claims, and the location of this drilling is located on our drawing. The average grade of our ore is expected to be 0.50% U_3O_8 - owing to the present state of development on our property it is impossible to estimate the exact tonnage of ore reserves, although it would be conservative to consider that it should be extremely large. All the samples taken in the Adets were cut as channel samples, many very high grade "grab" samples were taken but these were not recorded as samples in this description. Assay certificates were submitted to you with our original application for this D.M.E.A. loan, therefore they must be at present filed under your Docket No. D.M.E.A. - 4071 already referred to.

e. Please refer to our Mine Report and Drawing. The exposed face of the cliff above the Dolores River on claim Philura #59 gives a perfect vertical section of the geological structure at this point. Morrison formation prevails throughout the entire area of these claims. At the north end of Philura #59 Brushy Basin 18" thick overlies the Salt Wash, and 198 feet of Salt Wash is exposed in three Rims.

Generally speaking the uranium values occur in the second rim of the Salt Wash. There is now a stockpile of about 15 tons of commercial grade ore (removed during the excavation for the Adets) now ready to be shipped to the Government Stockpile.

The ore is carnotite, hydro carbon and thucholite; it is highly carboneceous and contains much petrified wood.

f. The above is a sufficient reason to expect that we shall encounter ore on all three claims, but the quantity and value can only be determined by the drilling program that this D.M.E.A. loan is intended to finance.

g. Four copies of the drawing of the Navajo Mineral Fund, Inc., together with four copies of this letter, and four copies of your Form MF-103 are enclosed as requested. The other data you require is already in your files under Docket No. D.M.E.A - 4071 (Uranium). We do not require any of these documents returned.

3. a. Your representative will be met at the property by Mr. R. Sholto Douglas,D.Sc. our engineer. Mr. Douglas's address at this time if Apt. 301, 1377 N.Ridgewood Place, Hollywood 28, California. Our property is served by a good road which is kept open the year round. The road runs to the north from a point about half a mile West of Dove Creek to Egnar, and from there to Slick Rock and our claims on the Dolores River. It is approximately 33 miles from Dove Creek to the property.

b. Dove Creek is the nearest supply point, all materials may be obtained there as well as such labor as is required. Labor can live at the property in tents or huts after these are built. Government Stockpiles are located at Moab, Utah, and at Montecello, Utah.

4.

a. The exploration project is to Core Drill as shown on our drawing; there should be a total of 35 holes put down. 11 of these holes at to a depth of 250', 5 to 150' and 19 to 100'. The location of these holes on our drawing will show the continuation of the ore bodies exposed on the cliff face. The line of 250' holes on claim Philura #58 is on the height of land immediately East of the three Adets, they are above the Brushy Basin on top of the Salt Wash. This layout is shown on our drawing.

b. It is not necessary to build a road to the property, the road which leads to it is open the year round for the service of other mines.

c. Should a D.M.E.A. contract be granted,work on our property will be commended at once, and we could commence shipping ore to the Government Stockpile within ten days - it is believed that a tonnage of about 100 tons of ore could be shipped from the Adets on Philura #57 during the time that the Core Drilling program was in progress.

No contracts will be let on this project, we already own one drill and intend to purchase a second Joy Drill. We estimate that our Drilling program should be completed within 60 days of its commencement.

6. Estimate of costs. Totals

Core Drilling - 5400' .. 35 holes	$ 21,600.	
Cost of Ore Chute and Bin	$ 2,500.	
Loading Ramp and Truck Turn with road	$ 5,000.	
Tracks and Three Cars - Adet level	$ 1,500.	
Compressor, Air Drills, Receiver, Hose ...	$ 6,500.	$ 37,100.

a. Independent Contracts.

There will be no Independent Contracts at all, work will be undertaken by Company labor employing Company equipment. See costs as shown above.

b. Personal Services.

Graduate Mining Engineer who will lay out and supervise all mining work; he will also hire all mine labor .... $ 150. per week . . . $ 150.

Brought Forward . . . . . $ 37,250.

Labor.	6 Machine Men at $2.00 per hour	$ 96. per shift	
	6 Underground Muckers @ $1.50 p/h ..	$ 72. "	
	10 Laborers at $1.00 per hour	$ 80. "	
	1 Motor Driver - $18. per day	$ 18. "	
		$266 "	$ 1,862. per week

c. Operating Materials and Costs

Power -	Diesel engine with Generator	$800.
	Electric wire and fittings	$ 30.
	Tools, Drill Steel, Detachable Bit.	$250.
	8,000' Lumber (mine & buildings) ..	1000.
		$2080. $ 2,080. per week

d.	3.15 cu ft. Air Compressor & Receiver	$
	(Air Hose, Receiver, Diesel Operated).....	$6000.
	2 Drifters and Sinkers, 1 Stopper at $175 ea	$ 525
	Ropes, Chains, Chain Blocks, etc.....	150.
	Blacksmiths Forge with Smith's Tools	250.
		$6925. $ 6,925.

All equipment will be purchased by Applicant

e. There will be no rehabilitation necessary to any buildings on the property, because there are no buildings at present. To date tents have been used but buildings can now be constructed with the lumber listed here.

f. The following Mine Buildings will be required:

Tool Shed)	Details	
Blacksmith's Shop)	follow	No additional cost
Powder Magazine)		

1. Tool Shed

(All buildings at this time will be constructed from the 8,000' of lumber purchased under 6.b.)

This building will be 15' x 15' and 1" plank. It will be for the storage of: Drills, Bits, Air Hose, Picks, Shovels, Valves, All Tools, and as an Oil Storehouse. No Cost

6. f. continued.

Blacksmith' Shop.	Brought Forward ..$48,117.	
This building is of 12' x 15', the equipment for it was purchased under para. 6.d. Built by Company labor.	No Cost	
Powder Magazine.		
This will be an excavation apart from the mine workings; it will have a rough door with a padlock. It is constructed by our labor with our lumber.	No Cost	
g. Miscellaneous.		
Because the Company owned equipment is new it is not anticipated that many repairs will be necessary; however the Company auto driver will be a mechanic.	No Cost	
Office work of an analytical nature, accounting, workman's compensation and employees liability insurance, payroll, taxes, etc.		
Clerk for this duty	$ 18. per Shift	$ 126.
Total Cost of Project		$48243.

7. a. The Navajo Mineral Fund, Inc., request that the Defense Minerals Exploration Administration authorize a D.M.E.A. loan in the sum of $50,000. to assist them in the completion of this project. The Navajo Mineral Fund, Inc., is prepared to furnish 25% of this sum, in both materials, equipment, and cash.

b. Actually the cost of the equipment which the Navajo Mineral Fund will provide exceeds 25% of the $50,000. requested, and the Navajo Mineral Fund will carry additional funds in their Treasury at all times.

Jules Joseph Satin
President
Najajo Mineral Fund, Inc.

R E P O R T

NAVAJO URANIUM AND THORIUM CORPORATION

"SMILING ANN MINE"

EGNAR, COLORADO

By

R. SHOLTO DOUGLAS, D.SC.
CONSULTING MINING ENGINEER

OATMAN, ARIZONA

NOVEMBER 10, 1955

(Copy)

R. SHOLTO DOUGLAS D. Sc.

CONSULTING MINING ENGINEER AND GEOLOGIST

OATMAN, ARIZONA

November 11, 1955

Subject: PHILURA #57, 58, 59

Navajo Uranium & Thorium Corp
Dave Creek, Colorado

Attention: Mr. W.U. January, V.P.

Gentlemen:

As per your instructions I have inspected Philura No. 57, 58 and 59, all these claims are located in the lower San Miguel Mining District, San Miguel, County, Colorado. The legal description of these claims is as follows:

> Sec. 10 T. 43 N.R. 18 West. These claims are located approximately 42 miles due west and north from the town of Dove Creek, in Colorado, off the road to Naturita and Uravan.

I have enclosed my report to cover same. It has been a pleasure to have been of service to you. If I can be of any assistance to you in the future, please do not fail to call upon me.

Very truly yours,

R. Sholto Douglad D. Sc.

Oatman, Arizona

REPORT

This report covers three claims named Philura No. 57, 58 and 59, each of which 600' in width by 1500' in length, a total of 60 acres. They are located in San Miguel County, lower San Miguel Mining District, in Section 10, Township 43 north, Range 18 west, in the State of Colorado, approximately 42 miles north of the town of Dove Creek, Colorado.

They form the Slick Rock Claim Group which was leased to Mr. William U. January by the Simpson Mining Company of Grand Junction, Colorado. Mr. January has assigned his lease to the Navajo Uranium and Thorium Corporation of Las Vegas, Nevada.

THIS REPORT IS STRICTLY AN ENGINEERING REPORT COVERING THE AFOREMENTIONED PROPERTY.

GENERAL

The lowest point of this property is the north end of Philura No. 59. The Dolores River, which flows to the north, runs along the east side of this claim. The three claims are parallel to one another to the west of the river. The river contains a considerable flow of water which is continuous throughout the area. Immediately west of the river the ground rises at about 45 degrees to a height of approximately 250 feet to a mesa covering the extent of Philura No. 59, and part of Philura 58. The exposed face of this cliff gives a perfect vertical section of the geological structure of the mesa at this point. The Morrison formation prevails throughout the entire area of these claims. At the north end of claim No. 59 Brushy Basin 18' in thickness, overlies the salt wash, thus leaving 198' of salt wash facie exposed in three rims. Most of the uranium values (U308) at present exposed occur in the second rim of the salt wash. Upon my inspection of this property, I found a stockpile of approximately 15 tons of commercial grade ore ready for shipment to the mill.

GENERAL continued

This ore was produced by hand methods from the 2nd rim of the salt wash facie, where the proposed chute to the ore bin is to be constructed. The adit from which it was mined is only 8' deep but shows a facie of five feet of uranium ore ranging from 0.22% to 1.50% U308. This is premium and bonus shipping ore. This area is surrounded by producing uranium mines, whilst there is great activity by companies drilling for oil and gas. Some of the mines in production are:

The Full Moon Mine, Bertock Mining Company, Mucho Grande Mine, Lucky "D" Mine, Horse Shoe Bend Development Company, Climax Uranium, United States Vanadium Corporation, Union Carbide, Jack Turner, Norma Jean Mines, and many others.

INDICATED VALUES

The ore is carnotite, hydro carbon and thucholite; it is highly carboneceous and contains considerable quantities of petrified wood. In many cases trees are found in the ore zone containing high U 308 content. (The Los Angeles Museum has accepted specimen for public display from these claims.) Radiation is very high, and during the study of this property great care was taken to determine the source from which it came. It is a known fact that when an atom of uranium 238 disintegrates it forms an atom of another radioactive element, in this case thorium 234 then decays to form protactinium 234 and so on through a series of 13 radioactive elements known as daughter elements and including radium and radon, a gas, until finally an inactive element, lead is formed.

There are three types of radiation from uranium thorium, and their daughter elements; these are: alpha particles, beta particles, and gamma rays. Alpha radiation has practically no penetrating power.

INDICATED VALUES (Continued)

Its effect is limited to the area immediately surrounding its source. A sheet of paper or an inch of air will effectively stop it. Beta radiation has a greater penetration ability but is still absorbed by a sheet of tin or a foot or so of air. Therefore, the radiation detection methods employed during this inspection could record only the third type of radiation, gamma rays. The only other phenomenon which could have interferred with our survey could have been cosmic rays (known as: background), However, during our inspection this did not happen because the background recording was extremely low.

Conditions for the inspection were ideal, and gamma radiation was excellent. The lowest reading recorded was 0.22% and the highest was 1.50% U308. These inspections were made at many points along the cliff face over a length of 1000'. A number of very high grade deposits were located, but these are neither considered nor discussed in this report. This writer is content to estimate that an average grade of 0.50% U308 ore with many hundreds of tons at present in sight can be produced immediately. Further development could possibly open up an extremely large ore body of which the extent is as yet unknown.

SUGGESTED METHOD FOR IMMEDIATE PRODUCTION

An elevated ore bin should be constructed of rough 2" x 12" plank supported by 6" x 6" timbers. This bin should be high enough to allow ore trucks to pass beneath for loading. The bin will be filled with ore from the tunnels and their stops in the second rim of the salt wash 90' above. For this purpose a chute constructed of 2" x 12" plank, supported on 4" x 4" bracing timbers, should be constructed from the mining terrace to the ore bin 90' below. A platform should be erected above the ore bin so as to prevent possible damage to the bin from ore passing down the chute.

During the time that the chute is being constructed it is recommended that a terrace be leveled along the line of tunnels or adits (approximately 1000' long) to allow a track to be laid to transport ore from either end to the center where the chute is located. A gangway or walk should be erected beside the chute itself to allow foot passage between the work and the ore bit itself.

A powder magazine should be constructed 300' away from the site of mining operation, and a wagon drilling program is recommended to block out ore on the mesa above the cliff face on all three claims. The drill holes should be spaced on 50' centers, and later reduced to 20' centers when commercial ore is encountered.

This property is so located that good working conditions exist the year round, and water will always be available for mining purposes.

Ample labor is available. Good roads serve the property and these are kept open the year round. The property is but a short distance from the government uranium stockpiles and mills.

CONCLUSIONS

In these conclusions the writer wishes to state that it is his opinion that these three claims, named No. 57, 58 and 59, represent a valuable uranium producing property. If operated in the manner suggested herein, they are capable of an immediate production of a commercial grade of U308. Further to this a core drilling program may easily locate an extensive deposit, as geological formation and structure indicate that it should.

Respectfully submitted,

R. Sholto Douglas, D. Sc.
Consulting Mining Engineer
and Geologist

11/10/1955

U. S. Government Messenger Envelope

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2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
~~Mr. Dave Crooth~~ ~~Rm. 6319~~	RUN / STOP		RUN / STOP
Mr. Wm. Martin Room 6412	RUN / STOP		RUN / STOP
Mr. Wm. H. Bailey Rm. 6351 Interior 43	RUN / STOP		RUN / STOP
~~Mr. Kearney~~ ~~Rm. 4445 DMEA~~	RUN / STOP		RUN / STOP
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DMEA Form 7
(12-56)

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Date	Surname	Code
3/10/58	Knouse	700
3/11	Ellis.	700
3/12	Selledge	130
"	Orlusch	110
"	Gullendorf	100
		220
		225
3/12	Lamb	130
3/12	Kiilsgaard	130

MAR 13 1958

Mr. Jules Joseph Satin, President
Navajo Mineral Fund, Inc.
223 Fremont Street
Las Vegas, Nevada

Re: Docket No. DMEA-4855 (Uranium)
Philura Group of Claims
San Miguel County, Colorado

Dear Mr. Satin:

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

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

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

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

Sincerely yours,

D. C. Greenstreet (for)

Administrator

FLKnouse/gla
3-10-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Mr. Knouse
DMEA Field Team, Region III (2)

8623

DOCKET FILE
Kendall

March 10, 1958

SUMMARY OF PROPOSED PROJECT

Object: Denial of application for exploration aid.

Docket No.: DMEA-4855 (formerly submitted as DMEA-4071)

Commodity: Uranium

Applicant: Navajo Mineral Fund, Inc., a Nevada corporation (originally submitted by Navajo Uranium and Thorium Corporation and withdrawn since it did not furnish requested information)
223 Fremont Street
Las Vegas, Nevada

Property: Consists of three contiguous unpatented lode mining claims in secs. 9 and 10, T. 43 N., R. 18 W., N.M.P.M. & B., San Miguel County, Colorado. The claims are Philura Nos. 57, 58, and 59.

Property Rights: Claims/lease was assigned to Applicant November 16, 1955, by William U. January. By lease, dated May 4, 1955, Mr. January leased the claims from Simpson Mining Company, Arthur Hamilton, Otis Phillips, Jr., John W. Harris, W. D. McDavid, Rex Phillips, and Graham B. Ladd.

Date of application: October 8, 1957
Amount of application: $50,000.00 (approximate figure)
Received in Division: October 22, 1958
Referred to Region III: October 30, 1958
Property examined: January 8, 1958
Field Team report received in Division: February 25, 1958

Work proposed: Consists of 5,600 feet of core drilling-35 holes on 75-foot centers, to depth ranging from 100 to 250 feet, the objective being to explore the upper sandstone rim of the Salt Wash member Morrison formation for uranium.

Also proposed are buildings, facilities and equipment for underground mining.

Applicant reported three short adits had exposed uranium-bearing ore along a sandstone rim for a distance of 1200 feet, and 15 tons of commercial grade ore had been produced.

Estimated Cost:

5400 ft. core drilling @ $4.00/ft.	$21,600.00	
Bin and ore chute	2,500.00	
Loading ramp, truck turnout and road	5,000.00	
3 mine cars and track	1,500.00	
Compressor, air receiver, drills, & hose	6,500.00	$37,100.00

Personal services

Mining Engineer @ $150/week	$ 150.00	
6 machine men @ $2/hr.)*		
6 muckers @ $1.50/hr.)*	1,[illegible].00	
10 laborers @ $1/hr.)*		
1 motorman @ $2.25/hr.)*		$ 2,012.00

* $1,860/wk.

Operating Materials and Costs

Diesel engine w/generator -per wk.	$ 800.00	
Electric wiring, etc. -per wk.	30.00	
Tools, drill steel and drill bits -per wk.	250.00	
8,000 b.f. lumber-per wk.	1,000.00	$ 2,080.00

Operating Equipment

315 Cfm Diesel Compressor & receiver	$ 6,000.00	
Drills - 2 drifters, 1 sinker, 1 stoper @ $175/each	525.00	
Misc. tools, churn blocks, blacksmith's equipment	400.00	$ 6,925.00

Miscellaneous

Accounting clerk @ $18/day	$ 126.00
Total estimated cost of project	$48,243.00*
Government Participation @ 75%	$36,182.25

*Note: Operator requested $50,000.00 for project.

Field Team report, dated January, 1958, by
N. L. Archbold, USGS, and
H. F. Robertson, USBM

The property lies on the northeast flank of the Dolores anticline where undisturbed sediments dip about 7 degrees to the northeast. Only the Morrison formation of Jurassic age is exposed on the property, the Brushy Basin and Salt Wash members.

The most significant uranium deposits in the district occur in the top sandstone layer of the Salt Wash member; however, small, near-by deposits occur in conglomeratic sandstone at the base of the BrushyBasin member. Also, minor deposits occur scattered through the lower part of the Salt Wash member.

Exploration on the property has been confined to prospecting along the Salt Wash rim along the Dolores River Canyon, and one drill hole about 400 feet west of the Smiling Ann mine. The workings of the Smiling Ann mine consists of three short adits (classed as prospects, the longest being about 4 feet deep) reported by the Applicant to have exposed 5 feet of uranium ore averaging 0.50% U_3O_8 from which 15 tons of ore were produced and stolen. Only a small pod of weakly radioactive carbonaceous sandstone surrounded by barren sandstone was found in one adit. No record was made of material penetrated by the drill hole. Weakly radioactive anomalies exist along the outcrops, but no ore bodies were seen.

Geological Survey and private drilling to the north and west of the property indicate that the property lies in an area semi-favorable to unfavorable for significant uranium deposits. Exploration, development, and the nature of the exposures along the east side of the property indicate small (less than 150 tons) of widely-scattered pods of uranium ore may exist within the boundaries of the property.

It is concluded that the chances are almost nil of finding any deposits containing more than a few tons of ore grade material on the property. Therefore, denial of the application is recommended.

Commodity Members' comments:

U. S. Bureau of Mines, James Paone, dated February 24, 1958.

Agrees with Field Team - deny the application.

U. S. Geological Survey, W. P. Williams, March 6, 1958

"There has been no production from the property and the amount of ore produced from nearby mines has been small. The examining team could not verify the applicant's claim that high-grade ore was exposed in three short adits.

"The weight of evidence is strongly against the property. In view of the several unfavorable features, I am in agreement with the Field Team's recommendation for denial of the application."

Division of Rare and Miscellaneous Metals,
F. L. Knouse, March 5, 1958

Since all of our information indicates that only small (less than 150 tons) of widely scattered uranium ore bodies may be found on the property, the writer agrees with the Field Team and commodity members that the application should be denied.

Conclusions:

A review of all our information relating to the proposed project indicates that the chances of making a significant discovery of uranium on the property are poor. Therefore, the application should be denied.

Ernest Wm. Ellis

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

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DMEA
RECEIVED MAR 7 1958
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3/7 | C | 220
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Complete

IN REPLY REFER TO:

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

Memorandum

March 6, 1958

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

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

Subject: Review of field examination report, DMEA 4855 (uranium), Navajo Mineral Fund, Inc., Philura claims, San Miguel County, Colorado.

The examining team report that the outlook is poor for the presence of minable ore deposits on the applicant's property.

The claims are located in an area that is classed as semi-favorable to unfavorable for important ore deposits. Classification of the ground is based on DMEA, U. S. Government, and private drilling to the north and west of the property, and upon geological studies of outcrops in the deep canyon of the Dolores River which borders the east margin of the property.

There has been no production from the property and the amount of ore produced from nearby mines has been small. The examining team could not verify the applicant's claim that high-grade ore was exposed in three short adits.

The weight of evidence is strongly against the property. In view of the several unfavorable features, I am in agreement with the Field Team's recommendation for denial of the application.

W. P. Williams

W. P. Williams

DMEA RECEIVED FEB 25 1958		
DATE	INITIALS	CODE
2/26	C	220
2/26	FLK	700

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

Date February 24, 1958

DMEA Docket No. 4855
DMEA Contract No.
Commodity Uranium
Name of applicant Navajo Mineral Fund, Inc.
Name of property Philura Group of Claims
Location of property San Miguel County, Colo.
Estimated cost of project $50,000

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: James Paone, Bureau of Mines Member
Uranium Commodity Committee
Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 2/18/58. 2. Date received by reviewer: 2/21/58.

3. Prior reports on this property known to reviewer: Yes ☐ No ☐

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DMEA
RECEIVED FEB 21 1958

DATE		
2/21	C	220
2/24	JHB	130
2/24	C	220
2/25	FLK	700

224 New Customhouse
Denver 2, Colorado

February 18, 1958

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4855 (Uranium) Navajo Mineral Fund, Inc. (Philura Group of claims) San Miguel County, Colorado - Joint Report of Examination

Enclosed are the original and two copies of a Joint Report of Examination on the subject property.

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

W H King

W. H. King
Executive Officer

ON-SITE EXAM. REPORT

Reviewed by
DMEA OPERATING COMMITTEE
2-24-58
(date)

MINERALS REPLY REFER TO:
DMEA
RECEIVED
FEB 13 1958
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
FEB 17 1958
REGION III
DENVER, COLORADO

February 12, 1958

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman EMH

From: J. William Hasler

Subject: Transmittal of a joint engineering and geologic report of examination on Docket No. DMEA 4855 (Uranium), Navajo Mineral Fund, Inc. (Philura group of claims), San Miguel County, Colorado, by M. L. Archbold and H. F. Robertson.

The Navajo Mineral Fund, Inc. applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the Philura group of claims, San Miguel County, Colorado. The application was referred to the field and an examination was made on January 8, 1958 by M. L. Archbold, U. S. Geological Survey and H. F. Robertson, U. S. Bureau of Mines. The examining team was accompanied by Mr. William U. January, the applicant's representative.

The property was examined at an earlier date under DMEA docket 4071 submitted by Navajo Uranium and Thorium Corporation. Under docket 4071, the applicant failed to furnish additional data requested by the Administrator and the docket was closed June 1, 1956. The present application represents a resubmittal of the previous application along with the additional material.

The program proposed by the applicant consists of 35 drill holes that are intended to explore the upper sandstone unit of the Salt Wash member of the Morrison formation at an estimated overall cost of $50,000. The field examination disclosed that along the canyon rim on the subject property, the top sandstone unit of the Salt Wash member of the Morrison formation is well exposed and minor amounts of uranium and vanadium minerals are present in the sandstone. All known, significant uranium deposits in the area occur in this top sandstone unit of the Salt Wash member, though minor deposits are scattered in the lower part of the Salt Wash member and in the overlying Brushy Basin member of the Morrison formation. Exposures along the eastern side of the property and results of DMEA, Geological Survey, and private drilling to the north and west of the property indicate that it lies in an area semi-favorable to

Reviewed by
DMEA OPERATING COMMITTEE
2-24-58
(date)

MINERALS MANAGEMENT SERVICE
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GEOLOGICAL SURVEY
FORT COLLINS, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
REGION III
DENVER, COLORADO
FEB 17 1958

unfavorable for the occurrence of significant uranium deposits.

The examining team concludes that chances are almost nil of finding any deposits containing more than a few tons of minable grade ore. DMEA participation in an exploration program on the claims is not warranted and denial of the application is recommended. I concur with the conclusions and recommendations of the examining team.

The Atomic Energy Commission was consulted relative to the appraisal of the property, and memoranda of review by James Paone, USBM, and W. P. Williams, USGS, were noted.

Enclosed also are ten copies of figures 1 and 2 with the report of examination, as well as the applicant's brochure.

N. L. Archbold

for J. William Hasler,
Geologist

JWH/bh
Enclosures

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

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DMEA 4855

Navajo Mineral Fund, Inc.

Philura group of claims

San Miguel County, Colorado

Uranium

Joint Geologic and Engineering Report

by

N. L. Archbold
U. S. Geological Survey

H. F. Robertson
U. S. Bureau of Mines

January 1958

Reviewed by
DMEA OPERATING COMMITTEE
2-24-58
(date)

DMEA 4855
NAVAJO MINERAL FUND, INC.
PHILURA GROUP OF CLAIMS
SAN MIGUEL COUNTY, COLORADO

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DMEA 4855
NAVAJO MINERAL FUND, INC.
PHILURA GROUP OF CLAIMS
SAN MIGUEL COUNTY, COLORADO

INTRODUCTION AND SUMMARY

On October 8, 1957 the Navajo Mineral Fund, Inc., 223 Fremont Street, Las Vegas, Nevada, submitted an application for DMEA assistance in an exploration project for uranium. The application covers 3 claims in the Philura group; these claims are located in the Slick Rock mining district, along the Dolores River in sections 9 and 10, T. 43 N., R. 18 W., NMPM, San Miguel County, Colorado.

The property was considered earlier under Docket DMEA 4071, submitted by the same corporation, but under the name of Navajo Uranium and Thorium Corporation. Under Docket 4071, the applicant failed to furnish the additional data requested and the docket was closed June 21, 1956. The present application represents a resubmittal of the previous application along with the additional material.

The property was examined on January 8, 1958 by H. F. Robertson, U. S. Bureau of Mines, and N. L. Archbold, U. S. Geological Survey; the examining team was accompanied by the applicant's representative, Mr. William U. January.

The program proposed by the applicant consists of 35 drill holes, averaging about 155 feet in depth, at an overall estimated cost of $50,000. The total estimated amount, however, includes costs for mining equipment and labor which are production rather than exploration costs.

The surface of the property slopes rather steeply eastward into the Dolores River Canyon on the east side of the property. Along the canyon rim, the top sandstone unit of the Salt Wash member of the Morrison formation is well exposed and minor amounts of uranium and vanadium minerals are present in the sandstone. All known, significant uranium deposits in the area occur in this top sandstone unit of the Salt Wash member, though minor deposits are scattered in the lower part of the Salt Wash member and in the overlying Brushy Basin member of the Morrison formation. Exposures along the eastern side of the property and results of DMEA, Geological Survey, and private drilling to the north and west of the property indicate that it lies in an area semi-favorable to unfavorable for the occurrence of significant uranium deposits.

The examining team concludes that chances are almost nil of finding any deposits containing more than a few tons of minable grade ore. DMEA participation in an exploration program on the claims is not warranted and denial of the application is recommended.

ACKNOWLEDGMENTS

Production data were obtained from records of the Atomic Energy Commission in Grand Junction, Colorado.

Drill hole data obtained by USGS exploration drilling in the Slick Rock area were used in the general evaluation of the subject claims.

Memoranda of review by James Paone, USBM, and W. P. Williams, USGS, were noted.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Philura group of claims are located in sections 9 and 10, T. 43 N., R. 18 W., NMPM, San Miguel County, Colorado. More specifically, the three Philura claims, nos. 57, 58, and 59, concerned by the subject application are located in the southeastern part of a much larger group of 80 contiguous claims, extending about three miles along the east and west sides of the Dolores River.

The property controlled by the applicant can be reached by traveling about 24 miles south from Dove Creek, Colorado over Highway 80 to the Dolores River bridge at Slick Rock, Colorado. Near the bridge, on the west side of the river, a mine access road branches off to the southeast. The access road is followed about 7 miles in a generally southeast direction until the applicant's claim area is reached. Other access roads leading to the property ford the river at shallow points and are passable only during low-water stages.

The nearest operating uranium ore processing plant is located at Monticello, Utah, about 50 miles southwest of the subject property.

Altitudes on the property range from 6,100 feet on the west side to 5,520 feet on the east side. The surface slopes moderately to steeply eastward to the Dolores River Canyon along the east side of the property. The canyon at this point is about 200 feet deep (fig. 2). The terrain is irregular, interrupted by shallow easterly-trending gullies and small ledges of outcropping sandstone.

The climate of the area is moderate and surface operations are feasible throughout the year except for short, infrequent periods of severe snow or rain. Access roads in the area sometimes become impassable due to local heavy rainfall but are easily repaired.

Labor, power, water, and mine supplies are readily available in the area. Housing for working personnel usually consists of a trailer camp near the project area.

HISTORY, PRODUCTION, AND OWNERSHIP

Exploration for uranium-vanadium deposits in the Slick Rock district dates from World War I. From 1948 to 1955 the U. S. Geological Survey, on behalf of the Atomic Energy Commission, carried on extensive exploratory drilling in the district though no drilling was done on the applicant's property. In the past few years, exploration by private industry has resulted in the discovery of large uranium reserves a few miles to the north and west of the applicant's property. DMEA has examined 3 nearby properties (fig. 2).

There has been no production from the property, and production from nearby mines has been small to moderate (table 1). Reserves in the immediate vicinity are believed to be very small.

Table 1.--Production through September 1957 from mines in the vicinity of the Navajo Mineral Fund property.

Mine 1/	Tons produced	Percent U_3O_8	Percent V_2O_5
Full Moon No. 1	5,142	0.21	1.14
Full Moon No. 4	49	0.24	1.80
Full Moon No. 7	564	0.72	5.13
Wally	128	0.19	1.44
Upper Group	8,670	0.27	1.59

1/ Location of mines shown on figure 2.

The entire group of 80 Philura claims are owned by the Simpson Mining Company, Arthur Hamilton, Otis Philips, Jr., John W. Harris, W. D. McDavid, Rex Philips, and Graham B. Ladd. The three claims included in the subject application are a part of the group and were leased to William U. January on May 4, 1955. Location notices of the three claims are recorded at Telluride, Colorado, the county seat of San Miguel County as follows:

Name of claim	Location certificate Book	Location certificate Page	Amended certificate Book	Amended certificate Page
Philura No. 57	224	258	240	584
Philura No. 58	224	259	240	585
Philura No. 59	224	260	240	586

On November 16, 1955, Mr. January assigned his interest in the lease to Navajo Uranium and Thorium Company (apparently re-incorporated as "Navajo Mineral Fund, Inc.").

The actual location of the claims on the ground is correctly marked by the required corner posts and no conflicts with other claims were noted during the field examination. The applicant's control of the three claims appears to be valid.

PRESENT STATUS

Exploration and Development

Exploratory work on the subject property has been confined to prospecting along the exposed Salt Wash sandstone rims along the Dolores River Canyon; one hole was drilled about 400 feet west of the Smiling Ann mine, but no record was made of the results obtained.

Development work consists of three very shallow adits (more properly classed as "prospects") comprising the "Smiling Ann mine". A wooden trestle and a roofless, wooden shack have been constructed at this site. The longest adit of the three (about 4 feet) reportedly exposed a five-foot face of uranium ore averaging 0.50 percent U_3O_8. The only mineralization in the adit noted by the examining team consisted of a small pod of weakly radioactive, carbonaceous sandstone surrounded by clean, barren sandstone. The applicant's representative informed the team that the 15 tons of ore mined from the adit had been stockpiled by the river and later stolen. No further mining has been undertaken and for the past two years the property has been essentially abandoned.

Mining Equipment and Other Facilities

The applicant has no mining equipment or other facilities on the property other than the aforementioned partially completed trestle and shack. Access roads on the property have not been maintained and are almost impassable.

GEOLOGY AND ORE DEPOSITS

The property belonging to Navajo Mineral Fund, Inc. lies on the northeast flank of the Dolores anticline where sedimentary formations dip about 7 degress to the northeast. No faults are present in the immediate area.

Only the Morrison formation of Jurassic age is exposed on the property and any DMEA project would be concerned solely with the Morrison; therefore, only the Morrison formation is discussed in this report. The Morrison formation is divided into two members, the Brushy Basin member and the underlying Salt Wash member. The Brushy Basin member is approximately 500 feet thick, though a full section is not present on the property. It is composed of reddish brown and greenish gray, bentonitic mudstone with minor lenses of reddish brown to light gray or buff conglomerate and sandstone. Lenses of sandstone and conglomerate are thicker and more numerous near the base of the Brushy Basin member, and the lowermost lense is commonly a conglomerate.

The Salt Wash member of the Morrison formation is about 350 feet thick and consists of reddish brown mudstone with interbedded lenses of red to light gray or buff, quartzose sandstone. Conglomeratic sandstone is very rare. At the top and bottom of the member, individual lenses of sandstone are concentrated so as to overlap and coalesce, thus forming continuous layers of sandstone with discontinuous mudstone layers. The central part of the member consists dominantly of mudstone with occasional lenses of sandstone.

Nearly all significant uranium deposits in the Slick Rock district occur in the top sandstone layer of the Salt Wash member, though in the area around the property of Navajo Mineral Fund, Inc., small deposits occur in conglomeratic sandstone at the base of the Brushy Basin member; the Full Moon No. 4 (fig. 2) mine is in such a deposit. Small deposits also occur in the lower sandstone lenses of the Salt Wash member. Nearly all known deposits in horizons other than the top sandstone layer of the Salt Wash member are so small that they do not justify extensive exploration.

Various features in the top of the Salt Wash member serve as general guides to areas favorable for the occurrence of significant uranium deposits. These features are:

1) The top sandstone layer has an aggregate sandstone thickness of 40 feet or more.

2) The sandstone is light gray or buff rather than light red.

3) The sandstone contains abundant carbonaceous material.

4) Mudstone within and immediately underlying the sandstone is bleached to greenish gray from the original reddish brown color.

Using these criteria, the limit of favorable ground, as determined from drilling and outcrop studies, is shown in figure 2. The subject property lies within an area that is unfavorable to semifavorable for the occurrence of significant uranium deposits. Characteristically, this area contains a few small (less than 200 tons) ore deposits and anomalous concentrations of uranium are widely distributed, as previous DMEA drilling on the Doss group of claims (fig. 2) has demonstrated.

The top sandstone layer of the Salt Wash member is exposed in the Dolores River Canyon along the east side of the property. Contrary to the applicant's reports the sandstone layer along the top of the canyon is a conglomeratic Brushy Basin sandstone, not the top Salt Wash sandstone. The top Salt Wash sandstone is 50 to 60 feet thick, contains mineralized fragments of carbonaceous material, and is underlain by about 6 inches of greenish-gray mudstone. Weakly radioactive anomalies along the outcrop are present, but the applicant's report of large exposures of ore grade material are untrue. Locally, the exposure at the Smiling Ann mine borders on being favorable for the occurrence of uranium deposits, but, in relation to the property as a whole, becomes a very limited area of favorability.

Judging from the results of other exploration and development in the area and from the nature of the exposures along the east side of the property, small (less than 150 tons), widely scattered pods of uranium ore may exist within the boundaries of the applicant's claims.

PROPOSED EXPLORATION

The only proposed work, which can be classed as exploratory, is a total of 5,400 feet of core drilling distributed among 35 holes on the three claims. The estimated total cost of the project is given as $50,000, however, this amount is calculated in a rather confusing manner and includes the costs of equipment, supplies, and labor for actual mining operations. The examining team made no attempt to obtain a more realistic proposal from the applicant's representative.

No revision of the applicant's proposed exploration program is submitted by the examining team.

CONCLUSIONS AND RECOMMENDATIONS

The subject claims are typical of semi-favorable areas in which some locally favorable spots or even small pods of ore can usually be found. However, evaluation of much exploratory drilling in the vicinity of the applicant's property indicates that any uranium occurrences could be expected to be small and erratically distributed. With the exception of surface and near surface occurrences, the ore bodies could not be economically mined.

The applicant's description of visible ore deposits exposed by the three prospect holes called the "Smiling Ann mine" misrepresents the amount of uranium mineralization actually present. The examining team could find only a small pod of weakly mineralized carbonaceous material bounded by barren sandstone. There is no justification for considering this an indication of large high-grade ore bodies. Instead, the mineralized exposure represents the remains of a carbonized trash accumulation and such occurrences are commonly weakly radioactive. Such local deposits, however, can rarely be economically mined and marketed.

Judging from the preparation of the previous application (DMEA 4071), subsequent correspondence relative to it, and the present application (DMEA 4855), the reliability and competency of the applicant is questionable. However, the examining team's recommendations are not based on the above opinion.

Considering the general lack of favorable ground in the immediate vicinity of the Philura claim nos. 57, 58, and 59,--as shown by results obtained by U. S. Geological Survey, DMEA, and private interest exploratory work--the examining team recommends denial of the subject application for Government assistance.

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
JANUARY 1958
DOCKET 4855

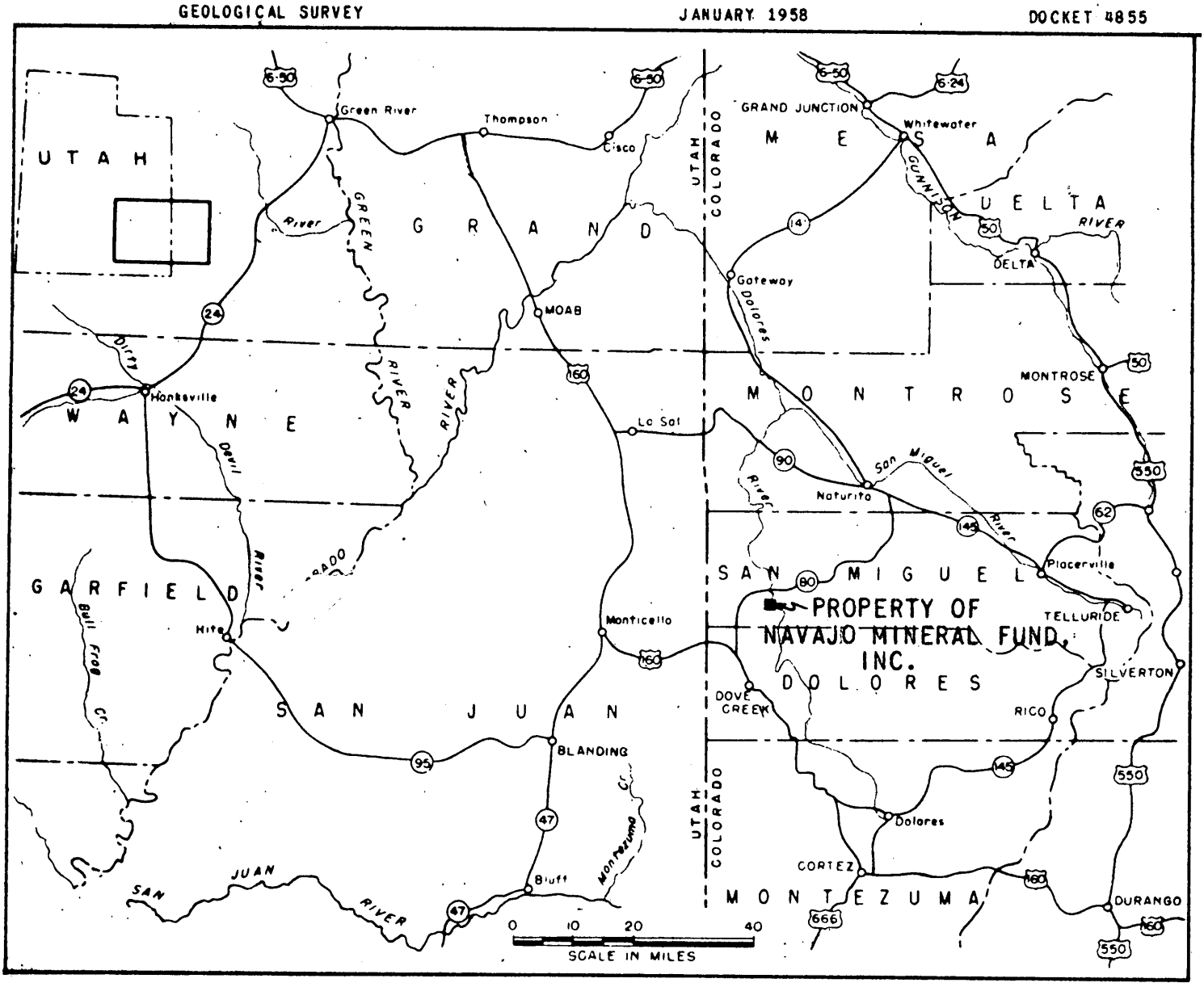

FIGURE 1.--LOCATION OF PART OF THE PHILURA CLAIMS, NAVAJO FUND, INC., SAN MIGUEL COUNTY, COLORADO.

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DMEA FEB 21 1958
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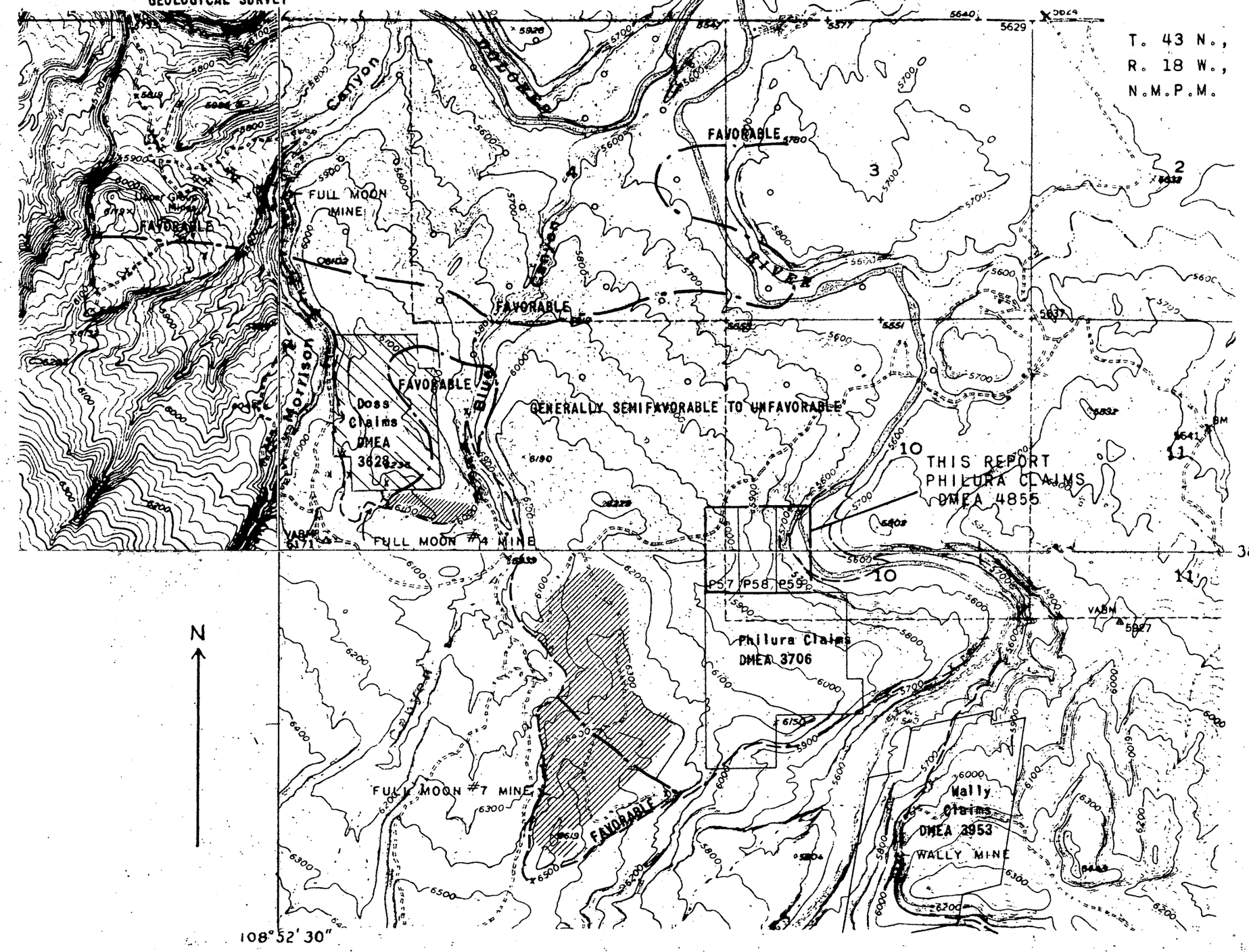
U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
JANUARY 1958 DOCKET 4855



EXPLANATION

BASE OF ORE-BEARING SANDSTONE

INFERRED LIMIT OF GROUND FAVORABLE FOR THE OCCURRENCE OF URANIUM DEPOSITS

MINES

PROSPECT

U.S.G.S. DIAMOND-DRILL HOLE (NOT ALL HOLES ARE SHOWN)

AREA OF PRIVATE DRILLING

AREA OF DMEA DRILLING

Note: TOPOGRAPHY FROM U.S.G.S. QUADRANGLE MAPS, HORSE RANGE MESA, HAMM CANYON, AND JOE DAVIS HILL, COLORADO.

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FEET

FIGURE 2.--GEOLOGY AND PREVIOUS DRILLING IN THE VICINITY OF THE NAVAJO MINERAL FUND, INC., PROPERTY, SAN MIGUEL COUNTY, COLORADO

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DOE

DMEA
RECEIVED FEB 19 1958

DATE	INITIALS	CODE
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		700

224 New Customhouse
Denver 2, Colorado

CERTIFIED MAIL

February 17, 1958

Stocks-Gramlich, Inc.
104 East Center Street
Moab, Utah

Re: Docket No. DMEA 4835 (Uranium)
Stocks-Gramlich, Inc.
(Fire Fly et al. claims)
San Juan County, Utah -
Proposed Exploration Project
Contract No. Idm-E1169

Gentlemen:

Enclosed are the Government's, Audit, Finance Office, and Field Team copies of proposed Exploration Project Contract No. Idm-E1169, which has been prepared pursuant to your application for Government assistance in exploration work under the Defense Minerals Exploration Administration program.

If the Contract is satisfactory, all copies are to be signed by an official of Stocks-Gramlich, Inc. authorized to sign such an instrument, the signer's title inserted, the signature attested to by the Secretary of the corporation, the corporate seal affixed, and all copies promptly returned to this office.

In the event the Contract is not satisfactory, all copies are to be returned promptly to this office, together with your comments on or objections to the Contract.

Your attention is especially directed to three provisions in the Contract:

1. The Government will not contribute to the costs of any of the work that is provided for in the Contract which is performed prior to the date of the Contract.

2. The Contract requires completion of the exploration work by the date fixed therefor. Approval must be obtained from the Government for any suspension of work which may result in failure to complete the work by the date specified.

FEB 10 1988

3. Royalty is due the Government on all production from the land described in the Contract, beginning on the date of the Contract.

If the Contract is satisfactory, and upon return of all copies properly signed, the "Operator's Copy" of the Contract will be forwarded to you, together with blank report forms and instructions relative to reporting on work performed under the Contract. Also, instructions will be given as to the procedure to be followed in corresponding with this office in matters concerning operations under the Contract.

When the signed copies of the Contract are returned, please advise us the date on or before which work will be commenced, for our insertion in Article 3 of the Contract form.

Very truly yours,

Original signed by
W. H. KING
W. H. King
Executive Officer, DMEA
Field Team, Region III

Enclosures

JWT:prl

cc: Chmn. Op. Comm. (2)
Harshman
DMEA/DFC
DMEA/Gr.Jct.(Salsbury)
Hasler
Docket
Townsend
Chron.

IN REPLY REFER TO:

RWK
HMC

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

December 27, 1957

Mr. J. J. Satin, President
Navajo Mineral Fund Inc.
223 Fremont Street
Las Vegas, Nevada

Re: DMEA docket No. 4855 (Uranium)
Failura group of claims,
San Miguel County, Colorado

Dear Mr. Satin:

We attempted to contact you by telephone December 26, but were unable to do so.

We are in a position to inspect the docket No. DMEA 4855, Failura group of claims, San Miguel County, Colorado.

We would like to make the inspection on January 8, 1958 and will meet you or your representative at the new camp and company store of Union Carbide and Nuclear Company, near the old town of Slick Rock, at noon on the 8th. Mr. N. L. Archbold will represent the U. S. Geological Survey and Mr. H. F. Robertson will represent the U. S. Bureau of Mines for the examining team.

If this is an unsatisfactory date please advise us by January 3 and we will try to set up a new date.

Sincerely yours,

William Hesler

J. William Hesler,
Geologist

JWH/bb

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cc: E.N. Harshman
Executive Officer
DMEA file
" chron.

DMEA
DEPARTMENT OF THE INTERIOR
DEC 30 1957
REGION III
DENVER, COLORADO

2 Copies to H.C. 12 30-57 Hmc

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

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"	Rottendorpo	
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		700

Mr. Jules Joseph Satin, President
Navajo Mineral Fund, Inc.
223 Fremont Street
Las Vegas, Nevada

DEC 23 1957

Re: Docket No. DMEA-4855 (Uranium)
Philura Group of Claims
San Miguel County, Colorado

Dear Mr. Satin:

Your letter, dated December 12, 1957, with attachments, addressed to our Denver, Colorado, office, was forwarded to this office.

Among the attachments is a letter, dated November 12, 1957, addressed to you from the Beaver Mesa Uranium, Inc., signed by Alan M. Simpson, one of the above property lessors. The letter states that your company's lease on the subject claims is currently in full force and effect. Please advise if Mr. Alan M. Simpson represents the lessors of the subject property and, if that is the case, please submit a statement from Mr. Simpson to that effect. Otherwise, you should submit evidence from the other lessors, i.e., Julian E. Simpson, Arthur Hamilton, Otis Phillips, Jr., and John W. Harris, that the lease is currently valid, as was requested in the Acting Administrator's letter, dated October 30, 1957.

Sincerely yours,

F. L. Knouse, Acting Director
Division of Rare and
Miscellaneous Metals

FLKnouse/gla
12-23-57
cc to: Admr.'s Reading File
THKiilsgaard, 5224
FLKnouse
DMEA Field Team, Region III (2)

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 20 1957

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"	Kaarsen	700

December 18, 1957

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4855 (Uranium) Navajo Mineral Fund, Inc. (Philura Group of Claims) San Miguel County, Colorado

Enclosed are the following which have been received in this office from the Applicant:

1. Two copies of a letter from J. J. Satin, President, Navajo Mineral Fund, Inc., dated December 12, 1957.
2. Two copies of a drilling bid from the Moab Drilling Company dated November 20, 1957.
3. Two copies of a drilling bid from Sprague & Henwood, Inc., dated December 11, 1957.
4. Two copies of a letter from Alan M. Simpson, President, Beaver Mesa Uranium, Inc., dated November 12, 1957, stating that the Applicant's lease on the Philura claims Nos. 57, 58 and 59 are currently valid and in full force and effect as of November 12, 1957.
5. The one and only copy submitted by the Applicant of a certificate from the Secretary of State of Nevada giving a transcript of the change of name from the Navajo Uranium and Thorium Corporation to Navajo Mineral Fund, Inc.

W. H. King
W. H. King
Executive Officer

[illegible]

[illegible] the following information as per [illegible] dated October 30, 1957.

If additional information is required by your office please advise us and we shall be happy to comply to the best of our ability.

Very truly Yours

J. J. Latin

J. J. Latin
NAVAJO MINERAL FUND INCORPORATED

ENCLOSED:

1. Copy of State in which Corp. is Incorporated
2. Copy of change of name vehicle
3. Evidence of validity of lease
4. Bids from drilling Contractors.

DMEA
DEPARTMENT OF THE INTERIOR
DEC 16 1957
REGION III
DENVER, COLORADO

MOAB DRILLING COMPANY
DIAMOND CORE DRILLING CONTRACTORS
BOX 407
MOAB, UTAH

TELEPHONE ALPINE 3-4101

CHARLES A. STEEN
PRESIDENT
RAY MEDLOCK
GENERAL MANAGER

DMEA
DEPARTMENT OF THE INTERIOR
DEC 16 1957
REGION III
DENVER, COLORADO

November 20, 1957

Mr. R. Sholto Douglas
Navajo Mineral Fund, Inc.
223 Fremount St.
Las Vegas, Nevada

Dear Sir,

I have received your letter of November 15th regarding the drilling in San Miguel Colorado.

We have a rig drilling near your property now and are familiar with the general area. Our price per foot for this drilling is $2.75 and coring per foot is $4.50.

We furnish all bits, mud, core bits and equipment. The above price does not include roads and an engineer.

Thank you for this opportunity.

Sincerely,

MOAB DRILLING COMPANY

Ray Medlock

Ray Medlock

DMEA
DEPARTMENT OF THE INTERIOR

DEC 16 1957
REGION III
DENVER, COLORADO

December 11, 1957

COPY
DMEA
RECEIVED DEC 20 1957

DATE	INITIALS	CODE

Navajo Mineral Fund, Inc.
223 Fremont Street
Las Vegas, Nevada

Attn: R. Shelto Douglas, B. Sc.
Consulting Engineer

Dear Sir:

In accordance with our letter of December 9, 1957, we are pleased to submit herewith, our proposal for drilling on the Philura Group of claims, Section 10, T 43 N, R 18 W, Slick Rock Mining District, San Miguel County, Colorado.

PROPOSAL:

Item 1. Non-Core Drilling

From surface to 150 feet . . . . . $1.75/ft.

Item 2. Core Drilling (minimum size AX - 1 1/8")

From surface to 150 feet depth . . . . . $3.50/ft.

Item 3. Delay time for logging or other delays requested by customer . . . . . $12.00/hr.

This proposal is subject to the following provisions:

1. All drill hole locations and access roads to drill sites will be constructed and maintained to accommodate Sprague & Henwood, Inc. truck mounted drills and water trucks. Any bulldozer work required for preparation of sites and roads will be furnished by the customer at no cost to Sprague & Henwood, Inc.

2. Cores will be delivered at drill hole locations, and storage and preservation of cores will be the responsibility of the customer.

3. Upon completion of a hole to the specified bottom depth and prior to moving the drill rig, if the drill and crew are required to stand by while the customer logs said hole with subsurface logging equipment, if the drill and crew are required to perform additional work in the hole for use of subsurface

DMEA
DEPARTMENT OF THE INTERIOR
DEC 1 4 1977
REGION III
DENVER, COLORADO

Navajo Mineral Fund, Inc.
Attn: R. Sheito Douglas, D. Sc.

December 11, 1957

logging equipment, Sprague & Henwood, Inc. will be paid at the rate per hour specified under Item 3 of proposed schedule.

4. All work shall be performed in such a manner as to secure maximum core recovery from each hole drilled and to deliver as complete and accurate core samples as are consistent with good drilling practice.

5. All holes will be located in the field by the customer.

6. All rights of entry to and exit from the property will be obtained by the customer.

7. Sprague & Henwood, Inc. will furnish one #142 truck mounted drill rig and necessary water truck, operating crew and accessory equipment commensurate with good drilling operations.

8. Payments are to be made monthly based on completed holes, within 15 days after date of invoice. Should payments not be made within the specified period then Sprague & Henwood, Inc. reserves the right to terminate operations. Credit arrangements satisfactory to Sprague & Henwood, Inc. must be made prior to commencement of work.

We thank you for the opportunity of submitting this proposal and we are prepared to commence operations within 5 days if we are awarded the contract.

Very truly yours

SPRAGUE & HENWOOD, INC.

Vincent D. Nourse
Ass't to Western Mgr.

VDN: nr
cc: Scranton

BEAVER MESA URANIUM, INC.
P. O. BOX 557
GRAND JUNCTION, COLORADO

DMEA
DEPARTMENT OF THE INTERIOR
DEC 16 1957
REGION III
DENVER, COLORADO

November 12, 1957

Mr. J. J. Satin
Navajo Mineral Fund, Inc.
223 Fremont Street
Las Vegas, Nevada

Dear Mr. Satin:

In accordance with your request of November 9, 1957 we wish to advise you that we consider your mining lease on Philura No. 57, 58 and 59 under date of May 4, 1955 to be currently valid and now in full force and effect as of this date.

Very truly yours,

BEAVER MESA URANIUM, INC.

Alan M. Simpson

Alan M. Simpson, President

OFFICE OF
JOHN KOONTZ
SECRETARY OF STATE

RECEIVED DEC 20 1957		
DATE	INITIALS	CODE

THE STATE OF NEVADA

DEPARTMENT OF STATE

I, JOHN KOONTZ, *the duly elected, qualified and acting Secretary of State of the State of Nevada, do hereby certify that the annexed is a true, full and correct transcript of the original certificate of Amendment of Articles of Incorporation of*

NAVAJO URANIUM AND THORIUM CORPORATION

changing name to

NAVAJO MINERAL FUND, INC.

as the same appears on file and of record in this office.

IN WITNESS WHEREOF, *I have hereunto set my hand and affixed the Great Seal of State, at my office in Carson City, Nevada, this* 30TH *day of* OCTOBER A. D. 19 56

John Koontz
Secretary of State

By _____
Deputy

Form 4 1088

CERTIFICATE AMENDING ARTICLES OF INCORPORATION
-of-
NAVAJO URANIUM AND THORIUM CORPORATION

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, RULON A. EARL, MARION B. EARL and MARION LEVINSON, are all of the three original incorporators of NAVAJO URANIUM AND THORIUM CORPORATION, and we do hereby certify that we constitute all of the original incorporators of said corporation;

That the original Articles of Incorporation for said NAVAJO URANIUM AND THORIUM CORPORATION were filed with the Secretary of State on September 1,1955, and a certified copy of the same was filed with the County Clerk of Clark County, Nevada, on November 1,1955. We do hereby affirm and declare that, to the date of this certificate, no part of the capital of said NAVAJO URANIUM AND THORIUM CORPORATION has been paid.

We further certify that the Articles of Incorporation of NAVAJO URANIUM AND THORIUM CORPORATION are amended as follows:

The first ARTICLE of the Articles of Incorporation of NAVAJO URANIUM AND THORIUM CORPORATION is amended to read:

ARTICLE I

That the name of the corporation is and shall be:
NAVAJO MINERAL FUND, INC.

IN WITNESS WHEREOF, we have hereunto set out hands this 26th day of October,1956.

RULON A. EARL

MARION B. EARL

MARION LEVINSON

STATE OF NEVADA)
COUNTY OF CLARK) SS:

On this 26th day of October,1956, personally appeared before me, a Notary Public in and for the said County and State, RULON A. EARL, MARION B. EARL, and MARION LEVINSON, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

JOE HUFFORD
NOTARY PUBLIC in and for the said County and State

(NOTARIAL SEAL)

EARL AND EARL
ATTORNEYS AT LAW
LAS VEGAS, NEVADA

EARL & EARL
ATTORNEYS AT LAW
SUITE 4-6 DELKIN BUILDING
223 FREMONT STREET
LAS VEGAS, NEVADA
DUDLEY 2-1357

MARION B. EARL
RULON A. EARL

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 20 1957

DATE	INITIALS	CODE

Nov. 2, 1956

Mr. J. J. Satin
6123 Maryland Dr.
Los Angeles 48, Calif.

Re: Navajo Mineral Fund, Inc.

Dear Mr.Satin:

I received back today, from the Secretary of State, the Certificate of Amendment changing the name of Navajo Uranium and Thorium Corporation to Navajo Mineral Fund, Inc., and am enclosing herewith two certified copies of this Amendment for your files.

I am retaining one copy in my files and have filed a certified copy of this Amendment with the County Clerk of Clark County.

Very truly yours,

EARL & EARL

BY Rulon A. Earl
Rulon A. Earl

RAE:M
Enc.

OFFICIAL FILE COPY
DMEA

CERTIFICATE OF AMENDMENT OF

ARTICLES OF INCORPORATION

OF

NAVAJO URANIUM AND THORIUM CORPORATION

FILED AT THE REQUEST OF

EARL & EARL

LAS VEGAS, NEVADA.

October 30, 1956

(DATE)

JOHN KOONTZ, SECRETARY OF STATE

BY John Koontz

[redacted]Y SECRETARY OF STATE

No. 1187-55

FILING FEE $ 20.00

324

DMEA
DEPARTMENT OF THE INTERIOR
DEC 16 1957
REGION III
DENVER, COLORADO

RECEIVED
DATE
11/7 gb 220
11 ~~FLK~~ 700

224 New Customhouse
Denver 2, Colorado

November 5, 1957

Memorandum

To: DMEA/G. Jct.) W/enclosures, Items 1-6 Below
J. W. Hasler) " " " "

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4855 (Uranium) Navajo Mineral Fund, Inc. (Philura Group of Claims) San Miguel County, Colorado

Enclosed is the following material relating to the subject docket:

1. Copy of application for Government assistance in exploration work under the DMEA program.
2. Memorandum of Review by James Paone, USBM.
3. Memorandum of Review by W. P. Williams, USGS.
4. Letter of transmittal of the foregoing to this office, dated October 30, 1957 from the Chairman, Operating Committee, DMEA.
5. Routing Control Sheet.
6. Letter from the Administrator dated October 30, 1957.

A field examination of the property and a joint report of findings and recommendations pertaining to the Applicant's work proposal are requested.

You will know from Item 6 that additional information has been requested by the Administrator and upon receipt of our copy, it will be forwarded to you.

If the field examiners view the project proposal favorably the Applicant should be informed of the several requirements mentioned in the Chairman's letter.

Eleven extra copies of each map used in the joint report which show the land to be subordinated and the location and extent of recommended work, relative to property boundaries, should be submitted if Government participation is recommended.

The Bureau of Mines' copy of the application should not be returned to this office, but is to be kept for the Examining Engineer's file. The Routing Control Sheet, however, is to be completed, detached from the application, and forwarded to the Executive Officer with the Joint Examination Report. The Survey's copy of the application is to be returned to Mr. Harshman's office.

E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer

Enclosures

MHM:eh

cc: Sec. Op. Comm. (2)
Harshman w/enclosures, Items 2, 3, 4, & 6
Docket
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/29		700
10/30		700
10/30		130
"		110
		~~100~~ 340
10/31		220
		700

OCT 30 1957

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4855 (Uranium)
Navajo Mineral Fund, Inc.
Philura Group of Claims
San Miguel County, Colorado

Dear Mr. Harshman:

The captioned application is referred to Region III Field Team for investigation, a field examination if deemed advisable, and recommendations. You will note from our letter of even date to the Applicant that the application has been reinstated with a change in the Applicant's name and docket number; also that we have requested certain information which you should receive before an examination is made of the property.

Enclosed are copies of memoranda, dated October 24 and 25, 1957, from W. P. Williams, USGS, and James Paone, USBM, respectively, relating to the proposed project. Also enclosed, for the use of the Field Team, are two extra copies of the application.

In the event a contract is approved, we will require the usual number of Consent to Lien and Subordination Agreement forms, signed by Allan M. and Julian E. Simpson, Arthur Hamilton, Otis Phillips, Jr., John W. Harris, W. D. McDavid, Rex Phillips, and Graham B. Ladd. Therefore, if the Field Team recommends a project, it should inform the Applicant of this requirement. Also, it should advise the Applicant that while early submission of these forms would expedite processing of the application, their presentation does not imply that a contract will be granted.

FLKnouse/gla 10-29-57 Sincerely yours,
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
FLKnouse

George C. Selfridge

Enclosures

Chairman, Operating Committee

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

W. P. Williams

Member, Geological Survey

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/29	Kramer	700
10/30	Ellis	700
10/30	Selfridge	130
		~~110~~
		~~100~~
10/31	gb	220
		700
10/30	Lamb	130
10/30	Williams	130

OCT 30 1957

Mr. Jules Joseph Satin, President
Navajo Mineral Fund, Inc.
223 Fremont Street
Las Vegas, Nevada

Re: Docket No. DMEA-4855 (Uranium)
Philura Group of Claims
San Miguel County, Colorado

Dear Mr. Satin:

This will acknowledge receipt of your letter and application, both dated October 8, 1957. As requested in your letter of August 12, 1957, your withdrawn application, DMEA-4071, Navajo Uranium and Thorium Corporation, is reinstated as Navajo Mineral Fund, Incorporated, and given docket number DMEA-4855. The application has been referred to:

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

In the meantime you should furnish the following information:

1. The name of the state in which the firm is incorporated.

2. We note there is a change in the officers of your firm since its name was changed from the Navajo Uranium and Thorium Corporation. Therefore, please furnish a copy of the instrument used to change the name.

3. In the Mining Lease, dated May 4, 1955, running from Allan M. and Julian E. Simpson, Arthur Hamilton, Otis Phillips, Jr., John W. Harris, W. D. McDavid, Rex Phillips, and Graham B. Ladd to William U. January, we note that lessee is required to perform a specified amount of work to maintain a valid lease. We will require evidence from all the lessors that the lease is currently valid.

8623

4. Bids from three drilling contractors for the drilling you propose to do should be submitted.

You should forward three copies of Items 1, 3, and 4, listed above, and one copy of the document referred to in Item 2, to Mr. Harshman at the above address, sending one copy of all the above information to this office.

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

Sincerely yours,

Frank E. Johnson

ACTING Administrator

FLKnouse/gla
10-29-57
cc to: Admr.'s Reading File
Mr. Knouse
DMEA Field Team, Region III (2)

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 28 1957

DATE	INITIALS	CODE
10/28	gb	220
"	[illegible]	700

Complete

Ellis

October 25, 1957

4855
Uranium
Navajo Mineral Fund
Philura Claims
San Miguel County, Colo.
$48,243.00

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

Application

10/8/57 10/23/57

x

x

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

IN REPLY REFER TO:

10/25	C	220
11	Ellis	700
	FMM	
	Krause	

Memorandum

October 24, 1957

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

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

Subject: Review of application, DMEA 4855 (uranium), Navajo Mineral Fund, Inc., Philura claims, Slick Rock district, San Miguel County, Colorado.

The applicant proposes to explore for uranium ore deposits on mining claims that were the subject of DMEA 4071, Navajo Uranium and Thorium Corp. DMEA 4071 was closed by the Government on June 21, 1956 after the applicant had made no attempt to comply with repeated requests by the Government for information necessary to process the application.

Land adjoining the subject property was denied without prejudice under DMEA 3706, on October 26, 1955. Since that time, however, the Geological Survey has been studying the general area and may even have done some drilling near the property.

The applicant's glowing accounts of "an average grade of 0.50 percent U_3O_8 ore with many hundreds of tons at present in sight..." are not substantiated by assay certificates and adequate maps.

I suspect that the property now posesses no more justification for a DMEA project than it did under DMEA 4071. I recommend, though, that the Field Team be asked to review the application in the light of any new information that might be available.

W. P. Williams

W. P. Williams

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

October 22, 1957

Navajo Mineral Fund, Incorporated
223 Fremont Street
Las Vegas, Nevada

Gentlemen:

Subject: DMEA-4855

Your application for exploration assistance, dated October 8, 1957 submitted to our office at Washington, D. C. has been assigned Docket Number DMEA-4855 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

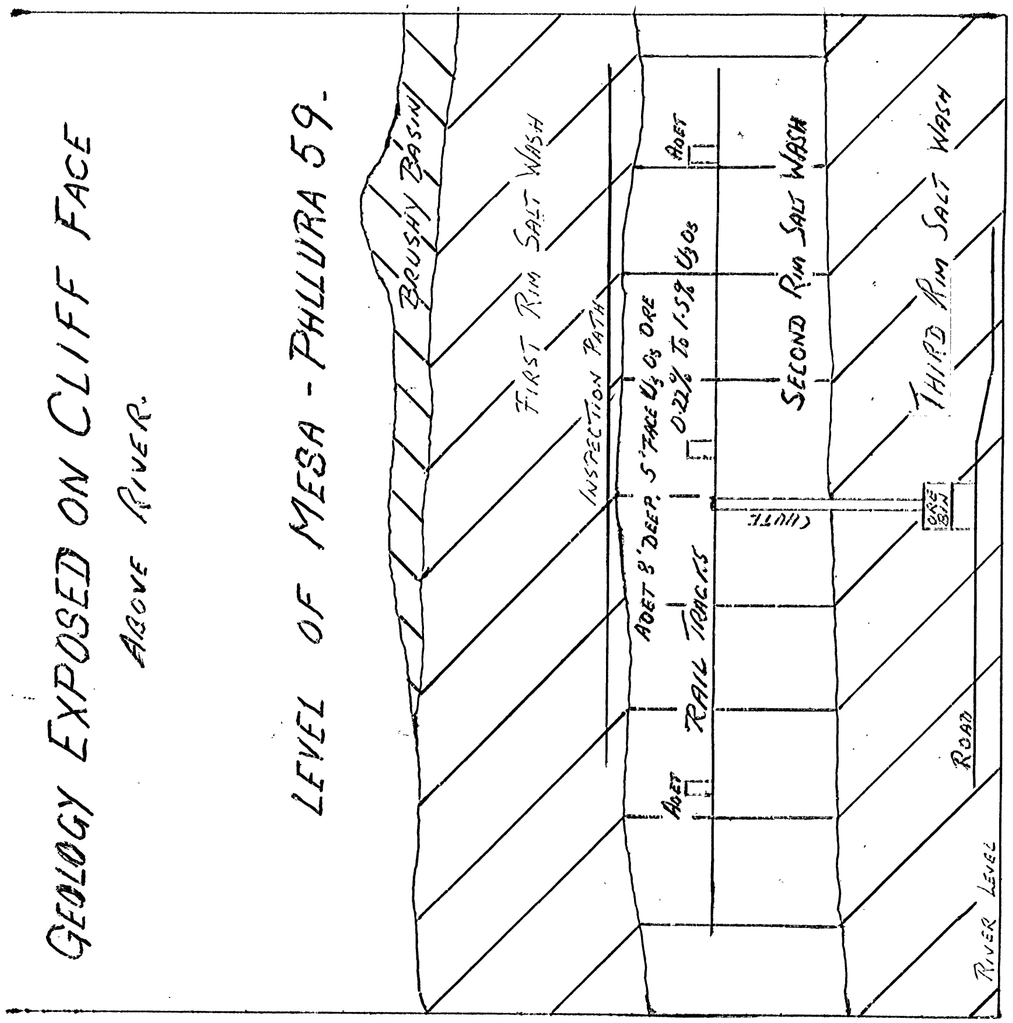
Copy to:

Region III

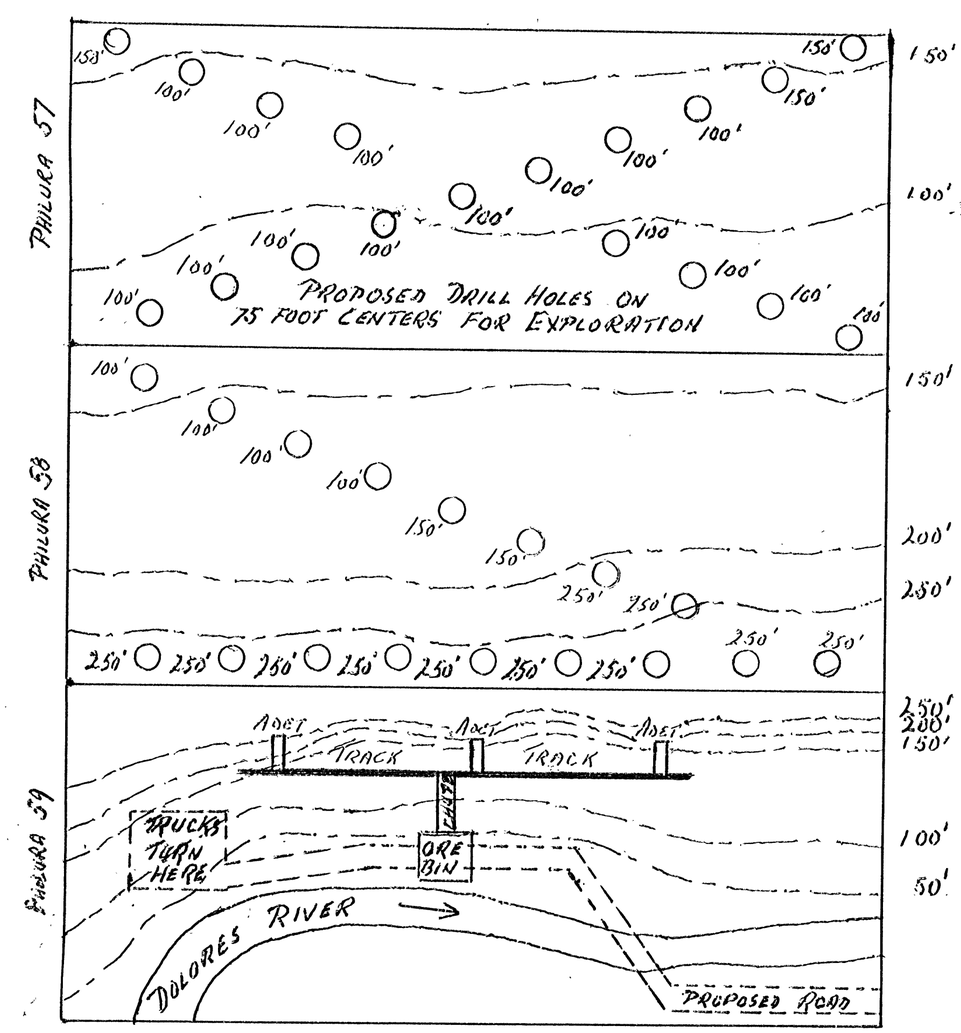
NOTES.

SURFACE SHOWS SOME INDICATION OF DAKOTA SANDSTONE.

VERTICAL SCALE 1" TO 50'.



ELEVATION — CLIFF FACE.



PROPOSED EXPLORATION DRILLING PLAN.

NAVAJO MINERAL FUND, INC.

J. Martin Dunstan, A.E.
Consulting Mining Engineer
9/26/57.

N

Scale 1 inch to 200 feet - V.I. = 50'