IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

IMEA NO. 4660

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(~~Withdrawn~~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

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

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

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓ Application and attachments
(3) • Envelope for maps FOLDER #2

Right Side

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

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

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

Left Side

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

Right Side

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

• Bound Folder in Packet with maps

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 28 1957

DATE	INITIALS	CODE
2/28	WSM	400

February 26, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Mercury)
Mullen Buckley Uranium Corporation
Andes Claims, et al.
Lincoln County, Nevada

Enclosed are three sets of MF-103, Application for Aid forms, relative to above subject. The fourth set has been retained for our files.

S. Ricker

Encls.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED FEB 28 1957 DMEA

Not to be filled in by applicant

Docket No. 4660
Metal or Mineral Mercury
Date Received 2-28-57
Estimated Cost $60,080.90
Participation (Government %)

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

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Mullen-Buckley Uranium Corporation
8949 Sunset Boulevard
Los Angeles 46, California
(Incorporated in State of Nevada - see attached)

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

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

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

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

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

(See attached application)

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

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

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

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

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

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

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

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

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

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

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated February 20, 195 7

MULLEN-BUCKLEY URANIUM CORPORATION
(Applicant)

By Frank E. Mullen Pres.

Frank E. Mullen, President

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

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

Mullen-Buckley Uranium Corp.
8949 Sunset Blvd.
Los Angeles 46, California

EXTRA-COPY
~~OFFICIAL FILE COPY~~

DMEA
RECEIVED FEB 28 1957

DATE	INITIALS	CODE

D. M. E. A. LOAN APPLICATION

1- NAME OF APPLICANT

(a) Mullen-Buckley Uranium Corporation
8949 Sunset Boulevard
Los Angeles 46, California

(b) A Nevada Corporation

(c) President — ~~Frank E. Mullen~~
8949 Sunset Blvd.
Los Angeles 46, Calif-

Executive Vice President — Allen F. Buckley
8949 Sunset Blvd.
Los Angeles 46, Calif.

Vice President — H. Peter Kriendler
21 West 52nd. Street
New York, N. Y.

Vice-President — D. C. Smith
Carson City, Nevada

Secretary-Treasurer — Florence E. Mullen
8949 Sunset Boulevard
Los Angeles 46, Calif.

(d) - - -

2- GENERAL

3- APPLICANT'S PROPERTY RIGHTS

(a) The property consists of claims described as follows:

Andies Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 20, 21, 22, 23, Unpatented Lode Mining Claims, situated in the Unknown Mining District, Lincoln County, Nevada, and Shendell & WM & UC Fraction, Unpatented Lode Mining Claims, situated in the same district.

(b) Andies Mine

(c) Sub-lessee of the Western Mercury & Uranium Corporation, a Nevada Corporation, 4225 Garden Place, Las Vegas, Nevada.

C O P Y

SUB-LEASE AND OPTION

THIS AGREEMENT made and entered into this 18th day of May, 1956.

W I T N E S S E T H:

1. That Whereas, the WESTERN MERCURY AND URANIUM CORP., a Nevada corporation, is the assignee of a certain Lease and Option Agreement, dated August 22, 1955, between C. A. ANDERSON and R. R. ROBINSON, Lessors, and J. H. SMITH and LOWELL BONNETT, Lessees, wherein the followi g unpatented lode mining claims, situate in an unknnwn mining district, Lincoln County, State of Nevada, were leased, which said claims are described as follows, to wit:

Andies Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,
14, 15, 16, 17, 18, 20, 21, 22, 23,
Unpatented Lode Mining Claims, situated in the Unknown
Mining District, Lincoln County, Nevada,
and

Whereas, the WESTERN MERCURY AND URANIUM CORP., subsequently located the
Shendell and WM & UC Fraction,
Unpatented Lode Mining Claims,
situated in the same district.

WHEREAS, MULLEN-BUCKLEY URANIUM CORP. is desirous of sub-leasing all of said mining claims and obtaining an option to purchase same, which sub-lease and option is to be for the balance of the term of said original lease and option, to wit: from May 18, 1956, to and including August 21, 1962; it is therefore mutually agreed that said sub-lease shall commence as of the date both parties have fully completed the signatures of the proper officers of the respective parties hereto and shall have each affixed their

corporate seals hereto.

2. It is further agreed that said sub-lessee shall have possession of said mining claims on May 18, 1956; the sum of $500.00 cash, shall be paid to sub-lessors on or before said date.

3. It is further agreed that the WM & UC Fraction and Shendell mining claims, situate in the same general area as the above described mining claims, which said claims are owned by the sub-lessor herein are also hereby leased to said sub-lessee pursuant to all of the terms and conditions as herein set forth as provided for said Andies group herein sub-leased.

4. In further consideration of the sum of One Dollar, and the mutual agreements herein set forth, said sub-lessor does hereby give and grant to said sub-lessee the exclusive option to purchase Andies Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 and 23, the WM & UC Fraction and the Shendell mining claims, for the sum of $400,000.00, in lawful current money of the United States; said option may be exercised at any time on or before August 21, 1962, provided all conditions and agreements herein set forth have been complied with.

5. It is further agreed that from said sum, the sum of $80,000.00, less any royalties paid, shall be first paid to C. A. ANDERSON and R. R. ROBINSON, Lessors and Owners of Andies group, and the balance shall be divided between the parties hereto, as follows:

Sub-Lessors	49%
Sub-Lessees	51%

In the event said sub-lessees exercise said option and pay said sub-lessors in full as aforesaid, all right, title and interest of sub-lessors shall forthwith cease, and title to all said mining claims shall be conveyed to said sub-lessees.

6. It is further agreed that said sub-lessees shall pay to said C. A. ANDERSON and R. R. ROBINSON, 10% of royalties on all furnace retort

returns on minerals removed from the Andies No. 1 to 23 group until the sum of $80,000.00 has been paid said parties. It is further agreed that no royalty shall be paid on the WM & UC Fraction and/or Shendell mining claim.

7. Said sub-lessees agree to perform at least 58 shifts of 8 hours each during each calendar month on said Andies Nos. 1 to 23 group of mining claims, unless hampered by bad weather or adverse conditions beyond their control. Said work to be done in a minerlike fashion with due regard to the safety and proper working of said premises.

8. Said sub-lessees shall hold the owners and lessee of said mining claims free and exempt from any and all costs, charges and liabilities contracted for labor, supplies, material, injuries, accidents, or any and all other liabilities of any kind or character during the term of this sub-lease and shall immediately cause to be posted in conspicuous places upon said mining claims notice of such non-liability of the owners and lessees of said claims and shall record such notices in the Recorder's Office, Lincoln County, Nevada. Said notice to be kept continuously posted at all times.

9. Said sub-lessees further agree to operate and conduct mining, milling and all other operations upon said claims in accordance with statutes, rules and regulationsof the United States Government, the State of Nevada, the County of Lincoln, and any district mining rules.

10. It is further agreed that the provisions of this sub-lease shall extend to, and be binding upon the successors and assigns and sub-lessees of the respective parties hereto.

11. It is further agreed that if said sub-lessees violate any of the terms or conditions of this agreement, and upon receipt of written notice directed to said sub-lessees, postage prepaid, addressed to 8949 Sunset Boulegard, Los Angeles 13, California, specifying the particular breach or omission, if said sub-lessees fail to repair such breach within 30 days of the date said notice is mailed then this agreement is automatically cancelled

and said sub-lessors or their agents, or attorneys may re-enter said premises with or without legal process and remove all persons therefrom by force, if necessary. In the event of such default or abandonment all buildings and fixtures shall be left on said premises in as good condition as when taken, reasonable wear and tear excepted.

12. Said sub-lessees may cancel this lease at any time by giving said sub-lessors 30 days notice in writing of such intention, directed to 4225 Garden Place, Las Vegas, Nevada; in the event of default or abandonment by said sub-lessee, all engineers' maps, reports, geology work, results of exploration, drill holes, shall be forthwith delivered to sub-lessors in good condition. In the event of abandonment said sub-lessees shall have 60 days to remove their own personal property.

13. Sub-lessors shall have the right to enter said claims at any time and take any samples desired by them.

14. On or before June 1, 1956, said sub-lessees agree to pay to said sub-lessors the sum of $4900.00 in lawful current money of the United States; said sub-lessors agree to issue to said sub-lessees 5400 shares of its unissued capital stock.

15. In further consideration of this lease said sub-lessees agree to operate said mining claims as economically as possible, that salaries and all other costs must be reasonable, necessary and not excessive; that from the net profits of any minerals recovered the division shall be as follows, and full payment must be made on or before October 15, 1956; February 15, 1957; thence with the fiscal year begining February 1, 1957, on the 15th day of the month following each quarter of each fiscal year, except at the end of each fiscal year, on or before ~~March~~ April 15th of such fiscal year:

/s/ JHS
AFB
LWB

Sub-lessors 49%

Sub-lessees 51%

The sub-lessors shall have the right to examine sub-lessees books at any time. It being expressly understood that until such time as said sub-lessees exercise their option to purchase said property as set forth in paragraph 4 herein, it will be the duty of the said sub-lessees to operate said mining claims for the mutual benefit of the sub-lessors and sub-lessees herein in accordance with the best interests of both parties heretok and in accordance with the division of profits as hereinabove set forth.

16. It is further agreed that said sub-lessors shall give said sub-lessees an option to renew this lease for an additional seven year period immediately subsequent to August 21, 1962, provided the $80,000.00 referred to in paragraph 5 herein to be paid C. A. ANDERSON and R. R. ROBINSON, original owners of the said claims, has been fully paid by royalties as in said original lease provided; should said sub-lessees desire to exercise said renewal for an additional period of seven years, they shall notify said sub-lessors by registered mail, directed to their address as hereinabove set forth, at least 30 days prior to the expiration of this lease; said renewal shall be pursuant to the same terms, conditions and covenants as herein set forth in this original term of sub-lease, including the option to purchase as aforesaid, it being expressly understood, however that if said $80,000.00 has not been fully paid on or before the expiration of said original sub-lease, that this provision shall be null and void. /s/JHS AFB

IN WITNESS WHEREOF, said parties have caused their proper officers to affix their signatures hereto and their respective corporate seals to be affixed hereto, on the date hereinabove set forth.

WESTERN MERCURY AND URANIUM CORP.

By /s/ J. H. Smith, Pres. SEAL

By /s/ Lowell W. Bonnett, Vice-Pres. & Secty

MULLEN-BUCKLEY URANIUM CORP.

By /s/ A. F. Buckley, Exec. Vice Pres.

By /s/ Florence E. Mullen, Secretary

Mullen-Buckley Uranium Corp.
8949 Sunset Blvd.
Los Angeles 46, California

(d) See Attached (in pocket)

(e) - - - -

(f) Recorded in City of Pioche, Lincoln County, Nevada:

Andies	# 1	12- 9-54	Book Q-1	Pg.400	Locator:	C. A. Anderson
"	# 2	9- 8-55	R-1	478	"	C.A.Anderson & .RR. Robinson
"	# 3	"	"	478	"	" "
"	# 4	"	"	479	"	" "
"	# 5	6-23-55	"	357	"	" "
"	# 6	9- 8-55	"	479	"	" "
"	# 7	"	"	480	"	" "
"	# 8	"	"	480	"	" "
"	# 9	"	"	481	"	" "
"	#10	"	"	481	"	" "
"	#11	"	"	481	"	" "
"	#12	"	"	482	"	" "
"	#14	"	"	482	"	" "
"	#15	"	"	483	"	" "
"	#16	"	"	483	"	" "
"	#17	"	"	483	"	" "
"	#18	"	"	484	"	" "
"	#20	"	"	484	"	" "
"	#21	"	"	484	"	" "
"	#22	"	"	485	"	" "
"	#23	"	"	483	"	" "
Shendell		11- 1-55	S-1	78	"	Western Mercury & Uranium Corp. & Lowell W. Bennett
Western Mercury & Uranium Fraction		1-23-56	S-1	148	"	Western Mercury & Uranium Corporation

No Note

No Note

4- PHYSICAL DESCRIPTION

(a) See attached Economic Evaluation of Andies Mercury property.

(b) " " "

(c) " " "

(d) " " "

(e) " " "

6- THE EXPLORATION PROJECT

(a) State the mineral - - - -

Mercury

(b) Describe fully - - - -

The contemplated exploration program has been divided into two phases. Both involve a drilling program but because the Phase 1 results will determine the location of the Phase 2 drilling, only the Location of Phase 1 holes are shown on Plate 1A which accompanies this application.

The objectives of the applicant in exploring the property are two fold:

1- To determine the extent and grade of any mercury mineralization located in the favorable area surrounding the presently drilled out and proven ore body.

2- To test the underlying unoxidized or blue andesite for commercial mercury mineralization within the ore body. It is proposed that two holes be drilled in this area to the limestone-andesite contact.

To accomplish these objectives under Phase 1, the applicant proposes to drill, with a rotary air drill supplied with a suitable sample collector, 55 vertical holes on a staggered 200-foot grid. The collar location of these holes is shown on Plate 1A.

Since the thickness of the silicified cap rock remains unknown, it is impossible to state the exact depth to which each hole will be drilled but from experience gained in the area by past drilling, it is thought that the average depth of hole will be 75 feet with 2 holes in the immediate vicinity of the ore body estimated at 250 feet each. The following are the coordinates and depth of the holes planned for Phase 1.

Drill Hole	Coordinates	Approx. Depth
1	4300E - 10N000	75 Ft.
2	4500E - 10N000	"
3	4700E - 10N000	"
4	3400E - 9N800	"
5	3600E - 9N800	"
6	3800E - 9N800	"
7	4000E - 9N800	"
8	4200E - 9N800	"
9	4400E - 9N800	"
10	4600E - 9N800	"
11	4800E - 9N800	"
12	3300E - 9N600	"
13	3500E - 9N600	"
14	3700E - 9N600	250 Ft.
15	3900E - 9N600	75 Ft.
16	4100E - 9N600	"

Allen-Buckley [illegible]
5949 Sunset Blvd.
Los Angeles 46, California

17	4300E -	9N600	75 Ft.
18	4500E -	9N600	"
19	4700E -	9N600	"
20	3200E -	9N400	"
21	3400E -	9N400	"
22	3600E -	9N400	"
23	3800E -	9N400	250 Ft.
24	4000E -	9N400	75 Ft.
25	4200E -	9N400	"
26	4400E -	9N400	"
27	3100E -	9N200	"
28	3300E -	9N200	"
29	3500E -	9N200	"
30	3700E -	9N200	"
31	3900E -	9N200	"
32	4100E -	9N200	"
33	4300E -	9N200	"
34	4500E -	9N200	"
35	3200E -	9N000	"
36	3400E -	9N000	"
37	3600E -	9N600	"
38	3900E -	9N000	"
39	4000E -	9N000	"
40	4200E -	9N000	"
41	4400E -	9N000	"
42	3300E -	8N800	"
43	3500E -	8N800	"
44	3700E -	8N800	"
45	3900E -	8N800	"
46	4100E -	8N800	"
47	4300E -	8N800	"
48	3400E -	8N600	"
49	3600E -	8N600	"
50	3800E -	8N600	"
51	4000E -	8N600	"
52	4200E -	8N600	"
53	3500E -	8N400	"
54	3700E -	8N400	"
55	3900E -	8N400	"

In planning this program it was felt that the Phase 1 project should cover as wide an area as possible with the already proven orebody in its approximate center. Consideration was given to the volcanic limestone contact since it is believed that the deposition of the volcanics occurred in an erosional depression within the limestone and that this formation would be reached at relatively shallow depths if holes were placed near the contact.

It is considered highly probable that the mercury mineralization is controlled by major faulting, evidences of which may exist in the drainage pattern. The detailed mapping done in the immediate vicinity did not prove such major structural conditions but the complex nature of minor faulting and fractures observed was indicative of such. The program as planned will test extensions of this possible fracture zone control.

The drilling will follow a rigid grid, allowing only for access difficulty. It is requested that because of the difficulty of bulldozing in the silicified rhyolite caprock, an allowance be made for shifting the location of any hole.

From the preceeding table it may be seen that approximately 4495 feet of plug bit drilling will be necessary to complete Phase 1. Since the average thickness of the cap rock is estimated to be 35 feet, 1925 feet will require the use of a diamond bit. Except for the two deep test holes in the present orebody (Nos. 14 and 23), it is expected to penetrate approximately 40 feet of oxidized volcanic rock before entering the blue or unaltered zone.

In the estimate of costs to follow, it is contemplated to utilize geological engineering services as needed. Recognition of the different lithologic boundaries is comparatively simple since the rock varies markedly in hardness and in color. Accurate driller's logs will be kept and cuttings at 5-foot intervals split and saved. All work will be done by and under the supervision of the Colorado Exploration Company. This company has completed the geological and drilling work todate.

All samples beneath the cap rock and above the "blue" andesite will be assayed by the Union Assay Company of Salt Lake City. The two deep holes, Nos. 14 and 23, will be assayed to the limestone. Any visible cinnabar will be recorded in the driller's log. Four samples will be split. One will be kept at the mine; one for reserve, one for D. M. E. A. use and one to the assayer.

(c) Work on Phase 1 will started within 90 days from the date of contract and will be completed within four months.

(d) The Mullen-Buckley Uranium Corporation plans to let all work under the proposed program out on contract to firms familiar with mineral exploration. The applicant feels that the successful completion of its initial exploration effort is sufficient cause to maintain this attitude.

Mr. Frank E. Mullen, President of Mullen-Buckley Uranium

Corporation is an experienced business man. The Corporation has for more than two years been engaged in exploration on uranium and base metal properties and is familiar with exploration techniques and costs.

6- ESTIMATE OF COSTS:

(a) Independent Contracts - All proposed work under both Phase ;1 and Phase 2 will be contracted. It is contemplated to utilize the services of the Colorado Exploration Company, who have completed the work done todate, on a contract basis. This work will include all necessary drilling and geological engineering services but excludes drill site preparation and assaying. Separate cost estimates have been prepared and are here included for these last two items.

The services of the Colorado Exploration Company will include the following:

1- Engineering control of drill site locations.

2- Supervision of the entire program.

3- Geological services pertaining to the operation, results and interpretation of drilling.

No bids?

4- Drilling of 4475 feet of hole under Phase 1 and, if authorized, 4050 feet of hole under Phase 2.

5- Supplying of a full time sampler to assist the drill crew.

6- Supplying of a cook, food and living condittions and accomodations for the field crew.

7- Preparation of a comprehensive summary report.

8- All transportation necessary.

The Colorado Exploration Company will supply the above services on a unit price basis as follows:

PHASE I

1925 Ft. Diamond Cap Rock Drilling @ $9.10/Ft.	$17,517.50
2550 Ft. Rotary Air Drilling @ $3.15 Ft.	8,032.50
4475 TOTAL - PHASE 1 Drilling & Geo. Engineering	$25,550.00

PHASE II

1890 Ft. Diamond Cap Rock Drilling @ $9.10/Ft.	$ 17,199.00
2160 Ft. Rotary Air Drilling @ $3.15/Ft.	6,804.00
TOTAL PHASE II Drilling & Geo. Engineering	$ 24,003.00

Drill site preparation for Phase I drilling is estimated to entail 100 hours of work. A suitable bulldozer and operator for this work may be obtained for $14.00 per hour or a total of $1400.00 for Phase I site preparation.

Phase II site (drill) preparation will require an estimated 60 hours of bulldozing and would cost $840.00.

(b) Labor, supervision, consultants - - -

The Colorado Exploration Company will supply the supervision and the geological consulting services on a per-foot-of-drilling basis. This work has been included in the cost per feet cited under 6 (a) above.

(c) None

(d) None

(e) None

(f) None

(g) Miscellaneous - - - - -

Under Phase I it is estimated that in the 2550 feet of rotary air drilling a total of 510 samples will be collected at 5-foot intervals. Assaying of these 510 samples @ $3.50 each will cost $1530.00. Phase II assays, totaling 432 in number in the 2160 feet of rotary air drilling will cost $1296.00.

(h) Contingencies - - -

The applicant requests that an allowance be made to cover contingencies arising during the course of the exploration contract, such as excessive drilling depths, need to purchase water, or unusual number of assays. Ten percent (10%) of the costs set forth will cover the foreseable excess of those computed. This will amount to $3,848.00 under Phase I and $2,613.90 under Phase II.

RECAPITULATION OF COSTS

PHASE I

1925 Ft. Diamond Caprock drilling, including geological engineering & supervision @ $9/10 Ft.	$17,517.50
2550 Ft. Rotary air drilling including geological engineering, sample collection and summary report @ $3.15/Ft.	8,032.50
Site preparation (100 hours @ 14.00/hr.)	1,530.00
Contingencies (10% of above items)	2,848.00
TOTAL - PHASE I	$31,328.00

PHASE II

1890 Ft. Diamond Caprock drilling, including geological engineering & supervision @ $9.10/Ft.	$17,199.00
2160 Ft. Rotary air drilling including geological engineering, sample collection & summary report @ $3.15/Ft.	6,804.00
Site preparation (60 hours @ $14.00/hr.)	840.00
Assays (432 @ $3.00 each)	1,296.00
Contingencies (10% of above items)	2,613.90
TOTAL - PHASE II	$28,752.90
TOTAL - PHASE I and II	$60,080.90

7- (a) Are you prepared - - - -

Yes

(b) Money

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9-16	[illegible]	400
9-16	[illegible]	400
9/16	[illegible]	130
9/16	[illegible]	130
9/16	[illegible]	130
		110
		100
9-17	C	220
		225

SEP 16 1957

Mr. Frank Mullen, President
Mullen-Buckley Uranium Corporation
8949 Sunset Boulevard
Los Angeles 49, California

Re: Docket No. DMEA 4660 - Mercury
Andies claims
Lincoln County, Nevada

Dear Mr. Mullen:

By letter of July 26, 1957, you asked for further information regarding our previous denial of the captioned application for exploration assistance.

The review mentioned in our letter of August 5, 1957, has now been completed without, however, providing data that would justify us in changing our decision. Your letter is correct in stating that Defense Minerals Exploration Administration is not primarily concerned with evaluation of mining ventures, but as you will also appreciate, we must make whatever estimates are necessary to determine whether Government financial aid for each proposed exploration project is warranted. As mentioned in our letter of May 27, 1957, 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.

It is surprising to us to learn that you believe our letter of May 27, 1957, which is typical of our letters of denial, is damaging to your property. For each application, it is clearly the responsibility of Defense Minerals Exploration Administration to determine whether Government aid for the proposed exploration work is justified, and to express our conclusions. In this instance such conclusions were based entirely on our available information, including a field examination of the property, and not on any defect in your application, which was well prepared.

8623

SEP 16 1957

We thank you for informing us regarding your latest drill hole assays. These seem to confirm our previous sampling results. Your letter also states that you have arranged for additional exploration drilling. Unless that work finds geological evidence sufficiently favorable to contradict strongly the data already provided, we could not give favorable consideration to a new application.

Sincerely yours,

Frank R. Johnson
Acting Administrator

JHopkins/W.S.Martin/dlm 9-16-57
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 3 1957

DATE	INITIALS	CODE
9-3	C	220
9/3	WSay	400

August 29, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4660 (Mercury)
Mullen-Buckley Uranium Corporation
Andies Claims
Lincoln County, Nevada

In response to your letter of August 5, 1957, we are enclosing two copies of a memorandum by H. K. Stager on subject property.

Glenn Gentry, Roscoe Smith, and myself are in full accord with Mr. Stager's comments. I, personally, believe the estimated tonnage of 25,000 tons, carrying three pounds of mercury per ton, in the most attractive area, is optimistic. Excluding the samples BM2180 and BM2181 from the two dumps containing only 48 tons of selected ore, the arithmetic average of the balance of samples shown on Figure 2 of our report would be around 2.5 pounds of mercury per ton. The grade could only be maintained by high cost selective mining. From surface indications, the remaining acreage is not sufficiently attractive to justify the expense of tax payers' funds to explore.

Mr. Mittendorf's letter of May 27 to the Applicant does not state that the property is no good but that in the judgment of the DMEA it does not meet the requirements of its policy. Mr. Mullen cannot be serious when he states that he believes it is not one of the purposes of the DMEA to evaluate the worth of mining properties on which Government money is requested for exploration purposes.

BUREAU OF MINES
WASHINGTON, D. C.

SEP 3 11 03 AM '57

It is always the practise to do pertinent exploration work on the most attractive geological areas. This has been done on the Andies claims and the surrounding area cannot be expected to produce deposits that favorably compare to those already indicated. Conclusions in our final report present an accurate picture.

Of possible interest is the attachment relating to troubles that have ensued between C. A. Anderson, original owner of the claims, and Lowel Bonnett of the Western Mercury & Uranium Corporation from whom the Mullen-Buckley Uranium Corporation obtained their lease.

S. Ricker

Attachments

MINING CLAIM SLAYING BRINGS MURDER CHARGE

PIOCHE, Nev., Aug. 17. (AP) — Sheriff Alex Orr said today a murder charge will be filed against Charles A. Anderson, 66, who surrendered himself in what he told officers was a claim jumping shooting.

Lowell Bonnett, 29, of Provo, Utah, president and general manager of the Western Mercury and Uranium Co., was killed in the dispute on the mining claim 15 miles west of Tempiute yesterday.

Jack Wallendorf, 26, also of Provo, said he witnessed the shooting. His account differed from that told by Anderson, a Tonopah electrician who has prospected in the Tempiute area for 35 years. Anderson holds 21 claims in the area.

Anderson said he arrived at his lead and silver claim and found Bonnett building a rock monument as a claim staking record on what Anderson insisted was already his mining claim.

Anderson said he protested. He said Bonnett came to Anderson's pickup truck and tried to pull him out. Anderson said he drew a .32 colt and fired. He declared he emptied the gun into Bonnett.

Wallendorf, who sheriff Orr reported was being held as a material witness, related he was some distance away when Anderson drove up and started an argument with Bonnett.

Wallendorf's account continued this way:

Anderson started to drive away. Bonnett wanted him to stay and "talk it over." Bonnett reached in and took out the truck's ignition key.

"Okay, Charlie, let's talk this over," Bonnett persisted.

Anderson indicated agreement, but reached back and pulled out a pistol. He fired four times at Bonnett.

His pistol empty, Anderson picked up a rifle and aimed it at Wallendorf.

Anderson then said, Wallendorf reported, "You saw it. It was self defense."

"I used my wits," Wallendorf recounted. "I said 'yes.' If I had said anything else he would have shot me."

Wallendorf said that after Bonnett died in his arms he took the body to Caliente.

Wallendorf said Bonnett's firm held a lease on the property Anderson claimed.

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 3 1957

DATE	INITIALS	CODE

Mineral Deposits Branch

August 19, 1957

Memorandum

To: S. Ricker, Executive Officer, DMEA Field Team, Region II

From: H. K. Stager, U. S. Geological Survey

Subject: DMEA-4660 (Mercury)
Mullen-Buckley Uranium Corp.
Andies claims
Lincoln County, Nevada

The following comments are made in reference to the applicant's letter of July 26, 1957, to the DMEA.

We do not know who the geologists were that the applicant consulted (para. 2 and 3) nor the companies they represented, but we do know that the geologists and engineers from the nearby Lincoln mine (Wah Chang) examined the property several times and were not favorably impressed. The Cordero people also examined the property and did some surface trenching and extensive sampling without taking an option.

From the assays, given in par. 4, it is evident that the drill hole cut more of the same type of material typical of the deposit. We do not know the location of this hole but it is probably east of the

main deposit, and may represent another body. The grade of the material cut by this hole is too low to be mined and furnaced economically in view of its depth.

The applicant has an erroneous understanding (par. 5) of the DMEA's policy and should be referred to DMEA Order 1. We walked over a large part of the property but naturally examined and sampled the best exposures in the greatest detail. There were no other mineralized exposures elsewhere on the property. There were no stockpiles of ore that contained more than 50 tons when we made the examination and it is difficult to understand where they obtained 500 tons of 7.4 lb. Hg ore in the meantime.

The denial of the application was certainly not based on a faulty application (par. 6). On the contrary, the application was one of the best prepared dockets that we have received.

Paragraph 7 states that the 397 unexplored acres of the property are of similar character to the three acres that have been explored. This is not supported by surface exposures or test pits. Although the geology is similar, as it is for many thousands of acres surrounding the claims, the intensity of alteration is not as great and there are no other known exposures of cinnabar-bearing material.

The average grade of the deposit is about 3 pounds of mercury per ton and I do not believe that material of this grade can possibly be mined and treated economically in this location at the present price of mercury. The statement that they have 25,000 tons of 5 percent Hg (100 lbs. per ton) is not correct. Of 32 samples taken from the best exposures only one assayed as much as 1 percent Hg (20 lbs.) and that sample was representative of only 8 tons of ore.

I believe that our report contains sufficient facts and descriptive material to enable Washington to answer the applicant's letter and furnish him with specific reasons for the denial of his application.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-1	Hopkins	400
8-1	Martin	400
8/2	Martin	130
8/2	Johnson	110
"	Whitaker	100
8/5	P.K.	320

AUG - 5 1957

Mr. Frank Mullen, President
Mullen-Buckley Uranium Corporation
8949 Sunset Boulevard
Los Angeles 46, California

8/2 Kilsgaard 130
8/2 Yoffee 130

Re: Docket No. DMEA 4660 - Mercury 400
Andies claims 225
Lincoln County, Nevada

Dear Mr. Mullen:

This will acknowledge receipt of your letter of July 26, 1957, discussing our letter to you of May 27, denying your request for exploration assistance at the subject property.

Before we can comment on the questions raised by you we must investigate the circumstances you discussed. As soon as our review is complete you will be advised.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JHopkins/dlm 8-1-57
cc to: Code 400
Admr. R. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-1	Hopkins	400
8-1	Martin	400
8/2	Martin	130
"	Johnson	110
"	Matthews	100
		220

AUG - 5 1957

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4660 - Mercury
Mullen-Buckley Uranium Corporation
Andies claims
Lincoln County, Nevada

Dear Mr. Ricker:

Attached are copies of letter of July 26, 1957, from Mr. Frank Mullen, President, Mullen Buckley Uranium Corporation, 8949 Sunset Boulevard, Los Angeles 46, California, expressing his objections to our denial of the subject application and the sampling during the field examination of the subject property. Also enclosed are copies of our reply of today.

It will be appreciated if you will review for us the comments made by Mr. Mullen.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (WB)

APPROVED:

P. F. Yopes (WB)
Member, Bureau of Mines

Thor H. Kiilsgaard (WB)
Member, Geological Survey

JHopkins/dlm 8-1-57
cc to : Code 400
Admr. R. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

Enclosures

8623

MB

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 30 1957

DATE	INITIALS	CODE
7/30	C	220
7/30	WSM	400
		225

MULLEN-BUCKLEY URANIUM CORPORATION

July 26, 1957

Mr. W. Mittendorf, Administrator
U. S. Department of Interior
Defense Minerals Exploration Admin.
Washington 25, D. C.

Dear Mr. Mittendorf: RE: Docket No. DMEA 4660 - Mercury Andies Claims - Lincoln Co. Nevada

Please refer to your letter to us of May 27, 1957 in connection with the above-captioned docket.

Since being notified of the denial of our application for an exploration loan I have carefully investigated the various reports which have been made on this property and have had a number of geologists from various companies look at the property.

Without exception, these men whose expertness seems to be unquestioned, have advised and recommended further exploration. We have a modest arrangement made with one company at present to do some additional exploratory drilling.

We also went back on the property recently and have drilled several hundred feet some distance away from the ore body you investigated. From the latest drill hole, approximately 1000 ft. from our so-called mine, we took samples at 10-foot intervals which were assayed just a week ago by a Los Angeles laboratory, yielding the following results:

0 - 10 feet	1.2# Hg. per ton
10 - 20 feet	2.2# "
20 - 30 feet	3.4# "
30 - 40 feet	6.4# "
40 - 50 feet	2.4# "
50 - 55 feet	2. # "

I bring this to your attention for two reasons. First, it is my understanding that your department's primary purpose is to assist financially those who are engaged in mineral exploration and not for the evaluation of mining ventures. Our Andies property consists of 20 claims but most of the drilling we engaged in was confined to an area of about 3 acres. The inspection given this property by your men consisted in taking samples from ore dumps and various channels and dumps on this 3 acres and the decision arrived at seemed to be on the basis of the samples. Currently we have stockpiled more than 500 tons of 7.4# Hg. per ton. I do not know

8949 SUNSET BOULEVARD, LOS ANGELES 46, CALIF., CRESTVIEW 1-7191

whether or not your men sampled this stockpile.

My second point is that your letter is very damaging in its language, inferring that the property is no good - at least I have been so advised by various company officials to whom I have submitted our report and to whom I have shown your letter. I have also been advised that the denial of our application was not predicated on the merits of the property but rather on our application itself, which I am told is faulty in several respects.

We have 397 remaining unexplored acres of similar character to the 3 acres drilled. Our general prospecting of the claims and the additional drilling strongly supports the conclusion that more deposits of mercury should be found. Our grade is good enough if sufficient tonnage can be developed. New upgrading methods may be adaptable, etc. In other words, how can one conclude from a brief examination of a small area where we do have at least 25,000 tons of 5% Hg. ore that the balance of the property is undeserving of government assistance for exploration.

I do not wish to be critical of the work of your men or of the Department, as I understand the various problems involved. However, we have spent in excess of $50,000 in developing this property and the effect of the denial of our application has been most serious. As long as you have indicated that the property is of doubtful value, I would appreciate very much you giving us the specific facts which were the basis of the denial. In other words, what is wrong with the property and why should it not be explored further? If there was something wrong with our application, I would certainly appreciate your advice. Should we resubmit our request for a loan?

Kindest regards.

Cordially yours,

Frank E. Mullen

FRANK MULLEN, President

M/b

P.S. We have also advised by the Cordero people to put down some deep holes. We've only gone a little over 100 feet

Frank

MULLEN-BUCKLEY URANIUM CORPORATION

July 26, 1967

7/30 WSM

Mr. W. Mittenderf, Administrator
U. S. Department of Interior
Defense Minerals Exploration Admin.
Washington 25, D. C.

Dear Mr. Mittenderf: RE: Docket No. DMEA 4060 - Mercury
Andies Claims - Lincoln Co. Nevada

Please refer to your letter to us of May 27, 1967 in connection with the above-captioned docket.

Since being notified of the denial of our application for an exploration loan I have carefully investigated the various reports which have been made on this property and have had a number of geologists from various companies look at the property.

Without exception, those men whose expertness seems to be unquestioned, have advised and recommended further exploration. We have a modest arrangement made with one company at present to do some additional exploratory drilling.

We also went back on the property recently and have drilled several hundred feet some distance away from the ore body you investigated. From the latest drill hole, approximately 1000 ft. from our so-called mine, we took samples at 10-foot intervals which were assayed just a week ago by a Los Angeles laboratory, yielding the following results:

0 - 10 feet	1.2# Eq. per ton	
10 - 20 feet	2.2# "	
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30 - 40 feet	6.4# "	
40 - 50 feet	2.4# "	
50 - 55 feet	3. # "	

I bring this to your attention for two reasons. First, it is my understanding that your department's primary purpose is to assist financially those who are engaged in mineral exploration and not for the evaluation of mining ventures. Our Andies property consists of 20 claims but most of the drilling we engaged in was confined to an area of about 3 acres. The inspection given this property by your men consisted in taking samples from ore dumps and various channels and dumps on this 3 acres and the decision arrived at seemed to be on the basis of the samples. Currently we have stockpiled more than 500 tons of 7.4# Eq. per ton. I do not know

8000 SUNSET BOULEVARD, LOS ANGELES 46, CALIF., CRESTVIEW 1-7191

whether or not your men sampled this stockpile.

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We have 397 remaining unexplored acres of similar character to the 3 acres drilled. Our general prospecting of the claims and the additional drilling strongly supports the conclusion that more deposits of mercury should be found. Our grade is good enough if sufficient tonnage can be developed. New upgrading methods may be adaptable, etc. In other words, how can one conclude from a brief examination of a small area where we do have at least 25,000 tons of 5% Hg. ore that the balance of the property is undeserving of government assistance for exploration.

I do not wish to be critical of the work of your men or of the Department, as I understand the various problems involved. However, we have spent in excess of $50,000 in developing this property and the effect of the denial of our application has been most serious. As long as you have indicated that the property is of doubtful value, I would appreciate very much you giving us the specific facts which were the basis of the denial. In other words, what is wrong with the property and why should it not be explored further? If there was something wrong with our application, I would certainly appreciate your advice. Should we resubmit our request for a loan?

Kindest regards.

Cordially yours,

FRANK MULLEN, President

M/b

PS We have also advised by the Cordero people to put down some deep holes. We've only gone a little over 100 feet.

FEM

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-27	Hopkins	400
5-27	Martin	400
5/27	Selfridge	130
5/27	McMahon	130
5/27	Kiilsgaard	130
"	Hittendorf	100
		220

MAY 27 1957

Mullen-Buckley Uranium Corporation
8949 Sunset Boulevard
Los Angeles 46, California

Re: Docket No. DMEA 4660 - Mercury
Andies claims
Lincoln County, Nevada

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington relative to the above-named property have been carefully 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 our information indicates that, although mercury mineralization occurs on the property, the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

Your interest in the Defense Minerals Exploration Administration program is greatly appreciated. Thank you for bringing this property to our attention.

Sincerely yours,

C. O. Hittendorf

Administrator

JHOPKINS:foc
5-27-57
cc to: Docket
Code 400
Adm. R. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
5-27	Hopkins	400
5-27	Martin	400
		100
		220

May 27, 1957

MEMORANDUM

To: Administrator, DMEA

From: Division of Iron and Ferro-Alloys

Subject: Denial of the Subject Application for Exploration Assistance in the amount of $60,080.90
Docket No. DMEA 4660 - Mercury
Mullen-Buckley Uranium Corporation
Andies claims
Lincoln County, Nevada

Denial of the subject application is recommended by this Division on the following information:

The applicant, Mullen-Buckley Uranium Corporation, on February 20, 1957, requested exploration assistance in the amount of $60,080.90 for rotary drilling. A field examination was made April 2 and 3, 1957, by Glenn G. Gentry, U. S. Bureau of Mines, and H. K. Stager, U. S. Geological Survey, accompanied by Messrs. Allen Buckley and Charles E. Melbye, representing the applicant.

Applicant: Mullen-Buckley Uranium Corporation, 8949 Sunset Blvd., Los Angeles 46, California.

Property: The property consists of the following unpatented mining claims located in Tempiute Mining District, Lincoln County, Nevada, in sec. 4, T. 5 S., R. 56 E., M.D.B.and M.:

Andies Nos. 1 through 12, inclusive
Andies Nos. 14 through 18, inclusive
Andies Nos. 20 through 23, inclusive
Shendell
WM and UC Fraction

Geology: Rocks exposed in the vicinity of the claims are chiefly altered volcanic rocks of Tertiary age that are underlain by limestone of probable Pennsylvanian age.

Volcanic rocks are a series of andesite and rhyolite flows.

Minor faulting and folding is evident in the limestone and intense fracturing is present in the volcanic rocks .

The ore bodies are localized in the fractured and altered volcanic rocks.

Cinnabar occurs as scattered crystals, thin veinlets and smears on fracture surfaces in kaolinized andesite. Gangue minerals are pyrite, limonite, jarosite, quartz, calcite and gypsum.

Workings: A flat-lying deposit 300 feet by 100 feet by 15 feet (average) has been explored by drilling, trenching, vertical and inclined shafts, and shallow pits.

Reserves: Thirty samples were taken by the examiners and assayed for mercury.

On the basis of this sampling reserves are estimated at 25,000 tons of indicated and inferred ore having an average grade of 3.00 pounds of mercury per ton.

There are no indications of other ore bodies of larger size or higher grade on the property.

Comments and Conclusions:

The Field Team recommends denial of the application for the following reasons:

1. Marginal to submarginal ore occurs in scattered zones seperated by barren zones under 5 - 40 feet of overburden. The grade is too low for mining by underground methods and dilution would be too high for an open pit operation.

2. The size and grade of the ore bodies have been sufficiently delineated by previous company exploration.

3. A disproportionately large amount of stripping, and selective mining would be required to produce insignificant tonnages of ore.

4. Transportation costs into the relatively inaccessible area would be correspondingly high.

The Commodity Divisions of the Geological Survey and Bureau of Mines concur in the Field Team's recommendations.

WSMartin

W. S. Martin, Director
Division of Iron and Ferro-Alloys

cc to: Docket
Code 400
Admr. R. File
Mr. Johnson

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

May 22, 1957

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: Assistant Chief, Branch of Base Metals

Subject: Review of Field Team examination report, Docket No. DMEA 4660 (mercury), Mullen-Buckley Uranium Corporation, Andies mine, Lincoln County, Nevada. $60,080.90

The applicant proposed to explore by drilling the lateral extensions of a low-grade mineralized area of mercury-bearing altered rhyolite at an estimated total cost of $60,080.90.

Examination of the property by Glenn G. Gentry, Bureau of Mines, and H. K. Stager, Geological Survey, indicated that the ore bodies dileneated by previous company exploration were too low in grade to be mined by underground methods and dilution would be too high for open pit mining; also, there are no indications of other ore bodies of higher grade or larger size.

I concur with the recommendation of the Field Team that the application be denied.

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
Frank D. Lamb
F i l e s

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 23 1957

DATE	INITIALS	CODE
5/23	C	220
5/23	WSM	400

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 22 1957

DATE	INITIALS	CODE
5/22	JWD	220
5/23	WSM	400

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

May 21, 1957
Re: DMEA 4660
Mullen-Buckley Uran. Corp.
Adies Mine
Lincoln County, Nevada
Mercury

~~Memorandum~~

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring, by rotary drilling, a large flat-lying low-grade mercury deposit in kaolinized andesite. A sizable tonnage of mercury-bearing material (78,533 tons at 3.43# ton) is estimated by the applicant, but it is deemed too small to justify the plant required to enable realization of the contained value.

Extensive sampling by the examiners shows the values to be erratic, ranging from less than 0.1 pound to 21.8 pounds of mercury per ton. Of 31 samples, only 5 represent ore grade material. Four of the 5 samples represent material in, and in dumps from, the vertical shaft. All other material sampled contains less than 2.7 pounds of mercury per ton.

Open cuts and rotary drilling have fairly delimited the deposit and in the opinion of the examiners, the estimate of tonnage of the applicant is liberal as to tonnage and grade. There are no indications of other deposits of larger size and higher grade, therefore, a commercial project cannot be visualized. The examiners and the Field Team recommend that the application be denied.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

May 15, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 17 1957

DATE	INITIALS	CODE
5/17	C	220
		130
5/23	C	220
5/23	WSM	400

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Reginn II

Subject: Docket No. DMEA-4660 (Mercury)
Mullen-Buckley Uranium Corporation
Andies Mine
Lincoln County, Nevada

Reference is made to your letter of March 18, 1957 relative to subject docket.

We are enclosing four copies of a report by Glenn G. Gentry, Bureau of Mines, and H. K. Stager, Geological Survey, in which a denial of exploration assistance is recommended. Roscoe Smith and I concur in the recommendation.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
5-22-57
(date)

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

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DATE	INITIALS	CODE

APPLICATION REPORT

DMEA-4660 (Mercury)
Mullen-Buckley Uranium Corporation
Andies mine, Lincoln County, Nevada

ON SITE EXAM.

by

Glenn G. Gentry
U. S. Bureau of Mines

H. K. Stager
U. S. Geological Survey

May 13, 1957

Reviewed by
DMEA OPERATING COMMITTEE
5-22-57
(date)

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INTRODUCTION

The Mullen-Buckley Uranium Corporation, 8949 Sunset Boulevard, Los Angeles 46, California, applied to the Defense Minerals Exploration Administration for Government assistance in a $60,080.90 program, Docket DMEA-4660, to explore for mercury on the Andies claims, Lincoln County, Nevada. The Applicant estimates 78,533 tons of ore and wishes to further explore the property by rotary drilling to determine if an ore reserve of several hundred thousand tons can be assured to justify a mill to handle a large tonnage at low cost.

The property was examined on April 2 and 3, 1957 by Glenn G. Gentry, U. S. Bureau of Mines, and H. K. Stager, U. S. Geological Survey, accompanied by Messrs. Allen Buckley and Charles E. Melbye, representing the Applicant.

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Inasmuch as adequate geologic maps were contained in the application, no attempt was made to remap the property.

CONCLUSIONS AND RECOMMENDATIONS

Low grade ore occurs in scattered zones separated by barren zones under 5-40 feet of overburden. The grade is too low to mine underground and dilution is too high for an open pit operation. The size and grade of the ore bodies have been delineated by previous company exploration and there are no indications of other ore bodies of higher grade or larger size.

Considerable stripping and selective mining would be required to produce insignificant tonnages of ore that might be suitable for economic operations only on a small scale by lessees. Transportation costs over the 8.4 miles of unimproved access road will be high.

It is recommended that the application be denied.

LOCATION, ACCESSIBILITY, AND LOCAL RESOURCES

The Andies claims are in the Tempiute mining district, Lincoln County, Nevada, in sec. 4, T. 5 S., R. 56 E., M.D.B.&M.

The property is 18 miles southwesterly from the town of Tempiute, Nevada, and is reached by traveling 9.6 miles southeasterly from Tempiute via a graded and graveled road, thence southwesterly 8.4 miles via an unimproved road.

The nearest source of water is at Tempiute. Telephone, telegraph, and freight services may be obtained in Caliente, Nevada, approximately 75 miles northeasterly from the property.

Mining supplies and labor could be obtained in Pioche and Las Vegas, Nevada, and Salt Lake City, Utah.

Power would be generated by gasoline- and/or diesel-driven engines.

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DATE	INITIALS	CODE

HISTORY AND PRODUCTION

The applicant's report states that mercury was discovered in this area in 1919 by Mr. C. A. Anderson, ~~and that the claims~~ were located in 1955. On August 22, 1955 Messrs. J. H. Smith and Lowell Bonnett leased the property and completed all of the exploration work, with the exception of the rotary drilling, and produced two flasks of mercury. The Mullen-Buckley Uranium Corporation subleased the claims on May 18, 1956, and between September and December 1956 completed 4,218 feet of rotary drilling. No production has been made from this latter work and the property is now idle.

PROPERTY AND OWNERSHIP

The property consists of the following unpatented mining claims:

Andies Nos. 1 through 12, inclusive
Andies Nos. 14 through 18, inclusive
Andies Nos. 20 through 23, inclusive
Shendell
WM and UC Fraction

On August 22, 1955, the owners, Messrs. C. A. Anderson and R. R. Robinson, leased the claims to Messrs. J. H. Smith and Lowell Bonnett. On May 18, 1956, Smith and Bonnett assigned this lease to the Western Mercury and Uranium Corporation, who subsequently located the Shendell and the WM and UC Fraction,

and on this date granted a lease-with-option-to-purchase to the Mullen-Buckley Uranium Corporation.

DEVELOPMENT

The property has been developed by a single-compartment vertical shaft to a depth of 31 feet, one adit inclined 25 degrees to a depth of 140 feet, 7 trenches of varying depths and lengths, numerous small prospect cuts and pits, 11 churn drill holes totaling 1,004 feet, and 67 rotary drill holes totaling 4,218 feet.

From the vertical shaft the applicant has mined and stockpiled about 48 tons of ore.

GEOLOGIC SETTING

The Andies claims are on the east flank of the Timpahute range at an altitude of about 6,000 feet in an area of moderate relief. The rocks exposed in the vicinity of the claims are chiefly altered volcanic rocks of Tertiary age that are underlain by limestone of probable Pennsylvanian age.

The limestone is dark gray, fine-grained, and medium-bedded. It strikes north and dips about 50 degrees east, is more than a thousand feet thick, and is part of the main mass of limestone that comprises the center of the range.

The volcanic rocks consist of a series of andesite and rhyolite flows that are several hundred feet thick in the claim area. The andesite is dark to light-purplish-gray with

phenocrysts of biotite, feldspar, and some quartz. Much of it has been altered and the feldspars are completely kaolinized. The andesite is overlain by a flow of reddish-brown to pink rhyolite with phenocrysts of quartz and kaolinized feldspar.

Minor faulting and folding is evident in the limestone and intense fracturing is present in the volcanic rocks in the claim area. The major trend of the fractures is north or northeast with steep west dips. The ore bodies are localized in the fractured and altered volcanic rocks.

ORE DEPOSITS

The deposit consists of irregularly disseminated crystals of cinnabar in intensely altered and fractured volcanic rocks.

Cinnabar was the only ore mineral observed and it occurs as scattered crystals, thin veinlets, and smears on fracture surfaces in kaolinized andesite. Gangue minerals are pyrite, limonite, jarosite, quartz, calcite, and gypsum.

The nearly flat-lying deposit that has been explored by drilling, trenching, vertical and inclined shafts, and shallow pits, is about 300 feet long and 100 feet wide. It ranges from a few feet to as much as 45 feet thick and averages about 15 feet. The grade ranges from a trace to as much as 30 pounds of mercury per ton and averages about 3 pounds per ton. It crops out at the surface and extends to a depth of 60 feet in some parts.

Overburden ranges from a few feet to 40 feet and layers of low grade or barren material as much as 20 feet thick separate the ore layers in some parts of the body.

The principal ore control is a zone of intense fracturing in the kaolinized andesite. Both the fracturing and alteration are less intense away from the area of the deposit. The deposit probably was formed under a flow of highly silicified rhyolite that overlies the andesite. Erosion has partly stripped away the rhyolite in the center of the deposit but still covers the outer margins.

Other zones of fracturing and alteration are present in the andesite in other parts of the claim area but none contain cinnabar. Some fracturing is evident in the limestone that crops out north and west of the deposit but cinnabar has not been found in these areas.

SAMPLING

BM Sample No.	Width, feet	Lbs. Hg/ton	Description
2162	2.0	21.8	East wall at portal of 140 ft. adit. Leached-kaolinized material.
2163	5.5	1.5	West wall of 140 ft. adit, 15 ft. from 2162. Leached-kaolinized material.
2164	6.0	0.8	East wall of 140 ft. adit, 15 ft. below 2163. Soft kaolinized, very little cinnabar.
2165	5.0	<0.1	West wall of 140 ft. adit, 15 ft. below 2164. Soft kaolinized material.

BM Sample No.	Width, feet	Lbs. Hg/ton	Description
2166	6.0	1.6	East wall of 140 ft. adit, 15 ft. below 2165. Altered kaolinized material, light cinnabar.
2167	5.0	0.7	West wall of 140 ft. adit, 72 ft. below collar. Highly leached andesite, very little cinnabar.
2168	5.5	0.6	East wall of 140 ft. adit, 89 ft. below collar. Leached altered andesite.
2169	4.5	0.7	West wall of 140 ft. adit, 101 ft. below collar. Hard fractured andesite.
2170	5.0	2.1	Face of 140 ft. adit. Hard andesite, shows some cinnabar.
2171	4.0	8.0	31 ft. shaft, north wall of short drift, 5 ft. east of shaft, 10 ft. above bottom. Highly leached rhyolite, shows cinnabar.
2172	4.0	2.7	31 ft. shaft, north wall of shaft at 20 ft. level. Highly leached rhyolite, shows cinnabar.
2173	4.0	1.4	31 ft. shaft, south side of short drift, 8 ft. west of shaft, 10 ft. above bottom of shaft. Leached rhyolite, shows some cinnabar.
2174	4.0	0.2	89 ft. trench, east wall, 15 ft. from south end of trench. Leached kaolinized material, no cinnabar observed.
2175	4.4	<0.1	89 ft. trench, west wall, 30 ft. from south end of trench, no cinnabar noted.
2176	5.0	0.1	89 ft. trench, east wall, 45 ft. from south end of trench. Highly leached, no cinnabar noted.
2177	5.5	0.1	89 ft. trench, west wall, 60 ft. from south end of trench. Leached kaolinized, no cinnabar noted.

BM Sample No.	Width, feet	Lbs. Hg/ton	Description
2178	6.0	<0.1	89 ft. trench, east wall, 75 ft. from south end of trench. Highly leached, no cinnabar.
2179	3.0	0.1	89 ft. trench, bottom of trench, 5 ft. below surface, 10 ft. east from 2178. No cinnabar noted.
2180	21.0	19.4	Shovel sample from 8 tons of ore in stockpile. This ore reported obtained from shaft. Pans considerable cinnabar.
2181	22.0	14.0	Shovel sample from 40 tons of ore in stockpile. This ore reported obtained from shaft and inclined adit.
2182	27.0	1.4	Trench sample across top of dump, under 2180. This dump should be representative of the material from the shaft and inclined adit.
2183	10.0	2.7	Sample from 10 tons of dump material obtained from 10 ft. prospect pit. Some thin seams of cinnabar ore showing in the pit.
2184	5.0	16.5	31 ft. shaft, west side of shaft, 11 ft. below collar. Highly leached, shows cinnabar.
2185	4.6	0.5	West wall of short drift, light gray to brown, soft, leached rhyolite, few colors of cinnabar.
2186	2.7	<0.1	Floor of short trench, 10 ft. from east end of trench. Soft, light brown leached material, only a small part of trench is below the overburden, no visible cinnabar.
2187	9.0	0.2	Trench at south end of property, horizontal cut sample. Highly leached material, north side of trench.
2188	6.4	0.5	South side of same trench as 2187, 27 ft. from 2187. Shows a few colors.

BM Sample No.	Width, feet	Lbs. Hg/ton	Description
2189	12.0	1.7	North side of same trench as 2187, north side of trench, horizontal cut, 4 ft. above floor of trench, shows some cinnabar.
2190	5.2	2.4	Face of 10 ft. drift at end of above trench, 18 ft. west from 2188. Leached, gray to brown, no visible cinnabar.
2191	7.5	0.3	Same trench as above, east of road, south side of trench. Leached gray to light brown. No visible cinnabar.
2192	14.0	0.2	Same trench as above, horizontal cut, 3 ft. below surface, south side of trench, north end of sample joins 2191.
2193	Shovel sample 50 ft. in length.	0.3	150-200 ton dump material obtained from trench sampled by 2191 and 2192.

ORE RESERVES

The applicant estimates a total of 78,553 tons of reserves having an average grade of 3.43 pounds of mercury per ton. A study of the assays, ore occurrence, and the method of computation reveals that the estimate is extremely optimistic.

There are no developed reserves that can be classed as measured. Using a cut-off value of two pounds of mercury per ton and a tonnage factor of 15 cubic feet per ton, indicated reserves probably do not exceed 25,000 tons of material having an average grade of about 3.0 pounds of mercury per ton. Not more than 10,000 tons of reserves of the same average grade can be inferred in the main prospect area. The ore body has been well delineated by holes drilled on 25 foot centers. A

31-foot vertical shaft, put down on the best showing, revealed irregular concentrations of cinnabar-bearing material throughout the ore zone and that although the body averages 3 pounds of mercury per ton much of the material classed as ore reserves, that would have to be mined in an open pit operation, is barren of mercury. There are no indications of other ore bodies of larger size or higher grade elsewhere on the property.

There is a possibility, though slight, that a small body of higher grade ore may be present in the limestone beneath the known body in the volcanic rocks. However there are no indications of cinnabar mineralization along the fractures in the limestone exposed nearby and the two deeper churn drill holes that penetrated the limestone in the prospect area did not reveal cinnabar. It is not probable that a body of sufficient size and grade could be found in this limited area to warrant sinking a 300-foot shaft and underground mining.

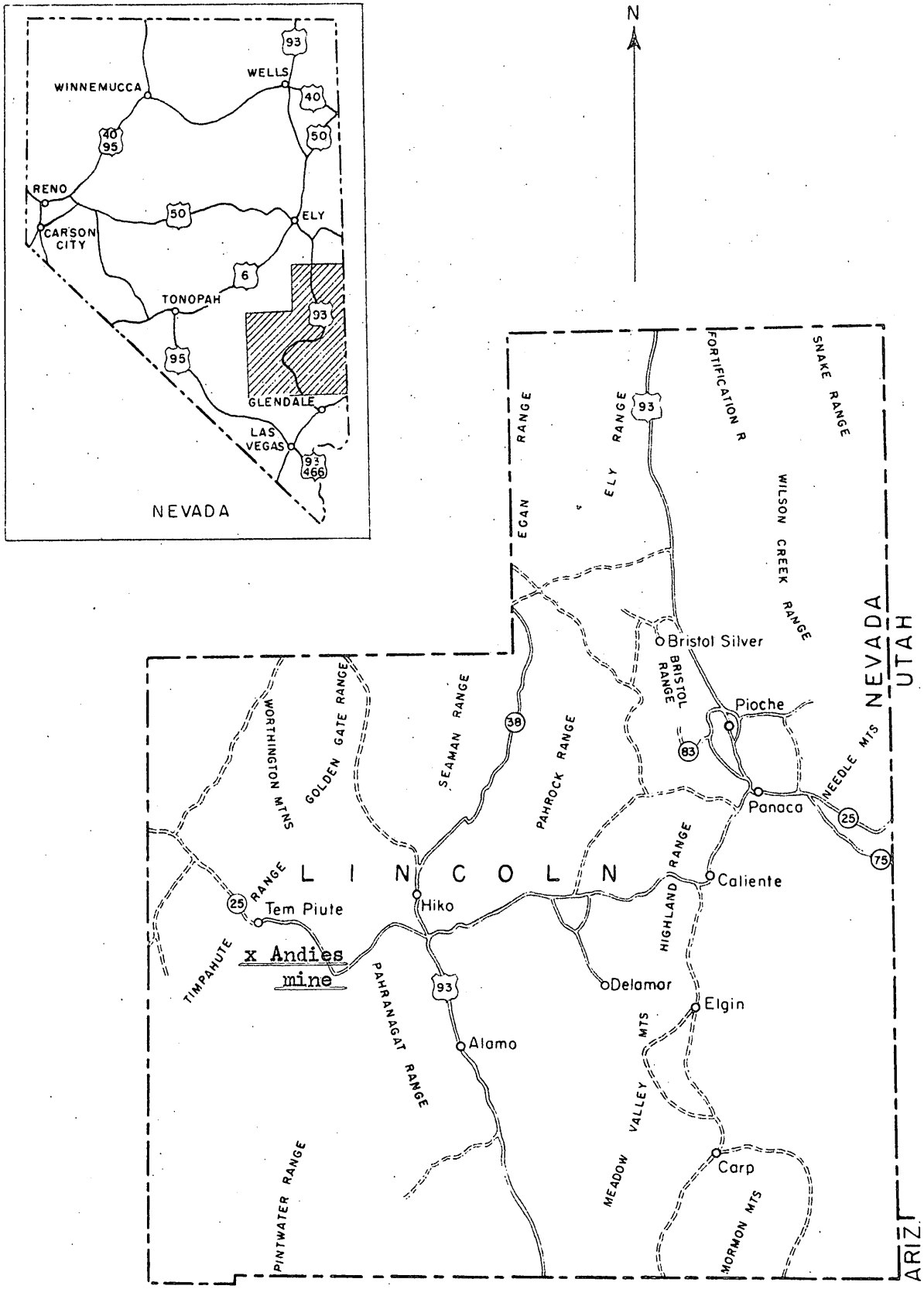

Figure 1. INDEX MAP OF LINCOLN COUNTY, NEVADA

0 20 40 60 Miles

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DATE	INITIALS	CODE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/14	Hopkins	400
3/14	Martin	400
3/18	Selfridge	130
"	Johnson	110
"	Mettenbrink	100
3/18	C	220
		400

MAR 18 1957

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4660 - Mercury
Mullen-Buckley Uranium Corporation
Andies mine
Lincoln County, Nevada

Dear Mr. Ricker:

The above docketed application for exploration assistance is being referred to your office for review and a field examination of the property if necessary.

Copies of memoranda dated March 5 and 7, 1957, by N. E. Nelson, Geological Survey, and A. D. McMahon, Bureau of Mines, respectively, relating to the project are enclosed. Also enclosed is a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (HB)

APPROVED:

/s/ O. M. Bishop (HB)
Member, Bureau of Mines

Thor H. Kiilsgaard (HB)
Member, Geological Survey

JHOPKINS:foc 3/14/57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

Enclosure

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/14	Hopkins	400
3/14	Martin	400
3/18	Selfridge	130
"	Johnson	110
"	Mittendorf	100
		220

MAR 18 1957

Mullen-Buckley Uranium Corporation
8949 Sunset Boulevard
Los Angeles 46, California

Re: Docket No. DMEA 4660 - Mercury
Andies mine
Lincoln County, Nevada

Bishop
Kilsgaard

Gentlemen:

The above-docketed application for exploration assistance for mercury ores has been reviewed by the Washington office of the Defense Minerals Exploration Administration and referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance that you can give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JHopkins:foc
3/14/57
cc to: Docket
Code 400
Admr. Read. File
Operating Comm.
FT. REG. II
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

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DATE	INITIALS	CODE
3-8	C	220
3/11	WSM	400

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

March 7, 1957

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4660 (mercury), Mullen-Buckley Uranium Corporation, Andies Mine, Lincoln County, Nevada. $60,080.90

The applicant seeks government assistance in a two stage drilling program to look for concentrations of mercury ore surrounding a low grade mineralized area delineated by a recently completed drilling project. Stage I provides for 55 drill holes on 200 foot centers totaling 4475 feet divided into 1925 feet of diamond drilling and 2550 feet of rotary drilling. Stage II drilling will be based on the results of that in Stage I but is presently estimated to require 1890 feet of diamond drilling and 2160 feet of rotary drilling.

The purpose of the proposed program seems to be primarily, if not wholly, prospecting in nature. It is believed that a better exploration program would be one designed to delineate the ore indicated by previous drilling and develop information on control structures such as veins, faults, shear zones, etc. by testing specific target areas.

Referral of the application to the Field Team is recommended.

A. D. McMahon

A. D. McMahon

Attachment

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
Files

IN REPLY REFER TO:

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RECEIVED MAR 5 1957

DATE	INITIALS	CODE
3-5	C	220
3/6	WSM	400

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

March 5, 1957
Re: DMEA 4660
Mullen-Buckley Uranium Corp.
Andies Group
Lincoln County, Nevada
$60,080.90 - Mercury

~~Memorandum~~

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant requests assistance in exploring by core and non-core drilling for lateral extensions of a flat lying low grade mass of mercury-bearing altered rhyolite.

A large amount of work has been done upon the deposit, and the data obtained appear to have been carefully recorded and are well presented. Of the conclusions drawn I am not so certain. If 3.4 pound rock is ore when covered with 0-20 feet of lower grade material, the scattered concentrations of 3 pound plus material may make the estimated 44,869 tons of 0.168% Hg worth handling. Also a few holes to test for extensions or repetitions of the ore zone under the practically barren rhyolite cap may be warranted.

Analysis of the drilling data shows that of some 88 holes drilled only about 18 contain plus 3.5 pound rock. Of 65 blocks used in the estimation of the positive ore reserves, 18 are taken to contain plus 3 pound material. It means a few 3 pound plus blocks 'carry' many less than 3 pound blocks.

However, if it can be demonstrated that 3.4 pound rock can be handled at a profit, the 58,000 tons of positive and probable ore justify further work.

Referral of the application to the Field Team is recommended.

F. H. Kilsgaard
for: N. E. Nelson

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

February 28, 1957

Mullen-Buckley Uranium Corporation
6949 Sunset Boulevard,
Los Angeles, California

Subject: DMEA-4660

Gentlemen:

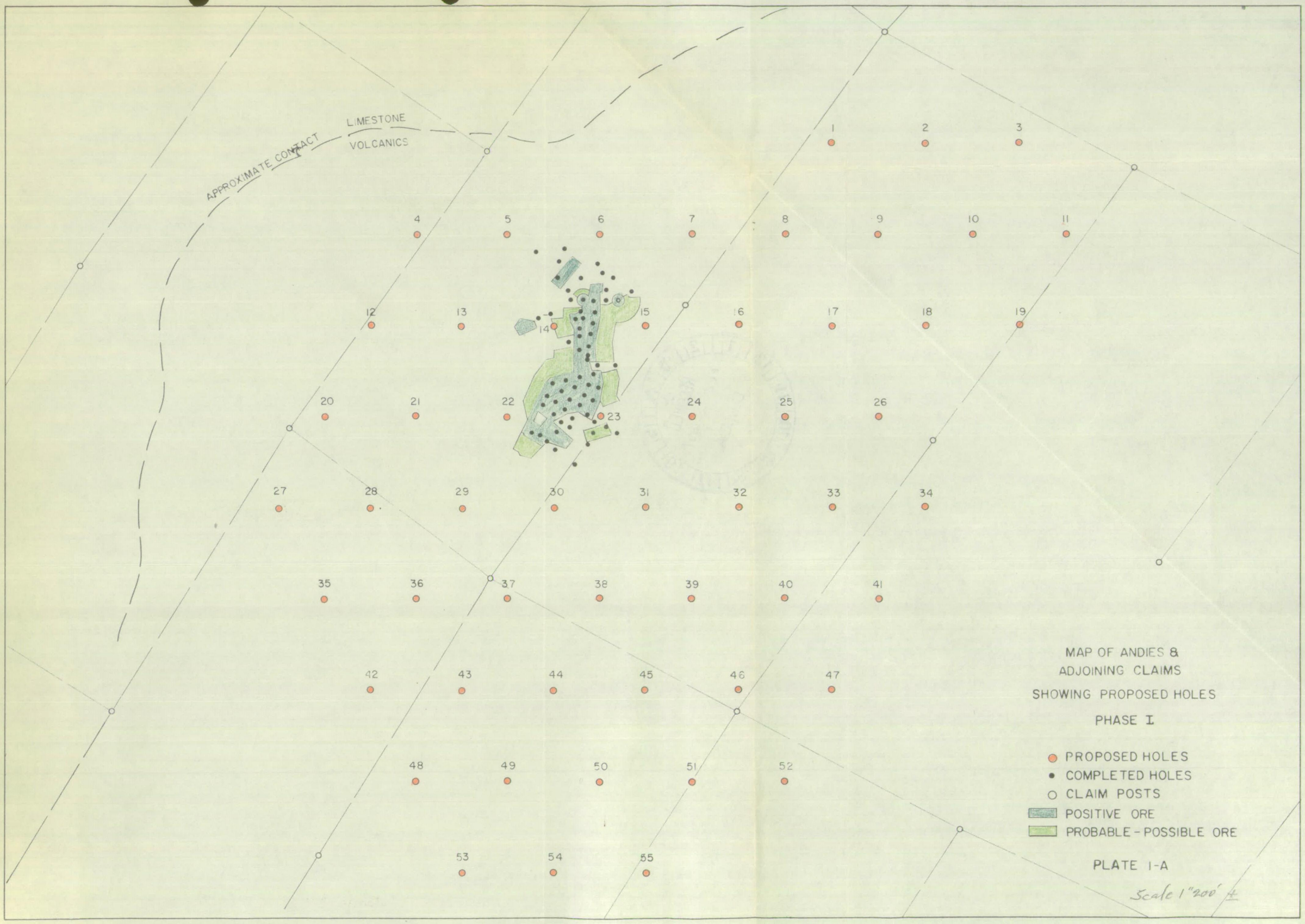
Your application for exploration assistance, dated February 20, 1957 submitted to our office at Reno, Nevada has been assigned Docket Number DMEA-4660 and referred to the Iron & Ferro Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region II
Code 400

6416


APPROXIMATE CONTACT
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MAP OF ANDIES &
ADJOINING CLAIMS
SHOWING PROPOSED HOLES
PHASE I
PROPOSED HOLES
COMPLETED HOLES
CLAIM POSTS
POSITIVE ORE
PROBABLE - POSSIBLE ORE
PLATE I-A
Scale 1"=200' ±

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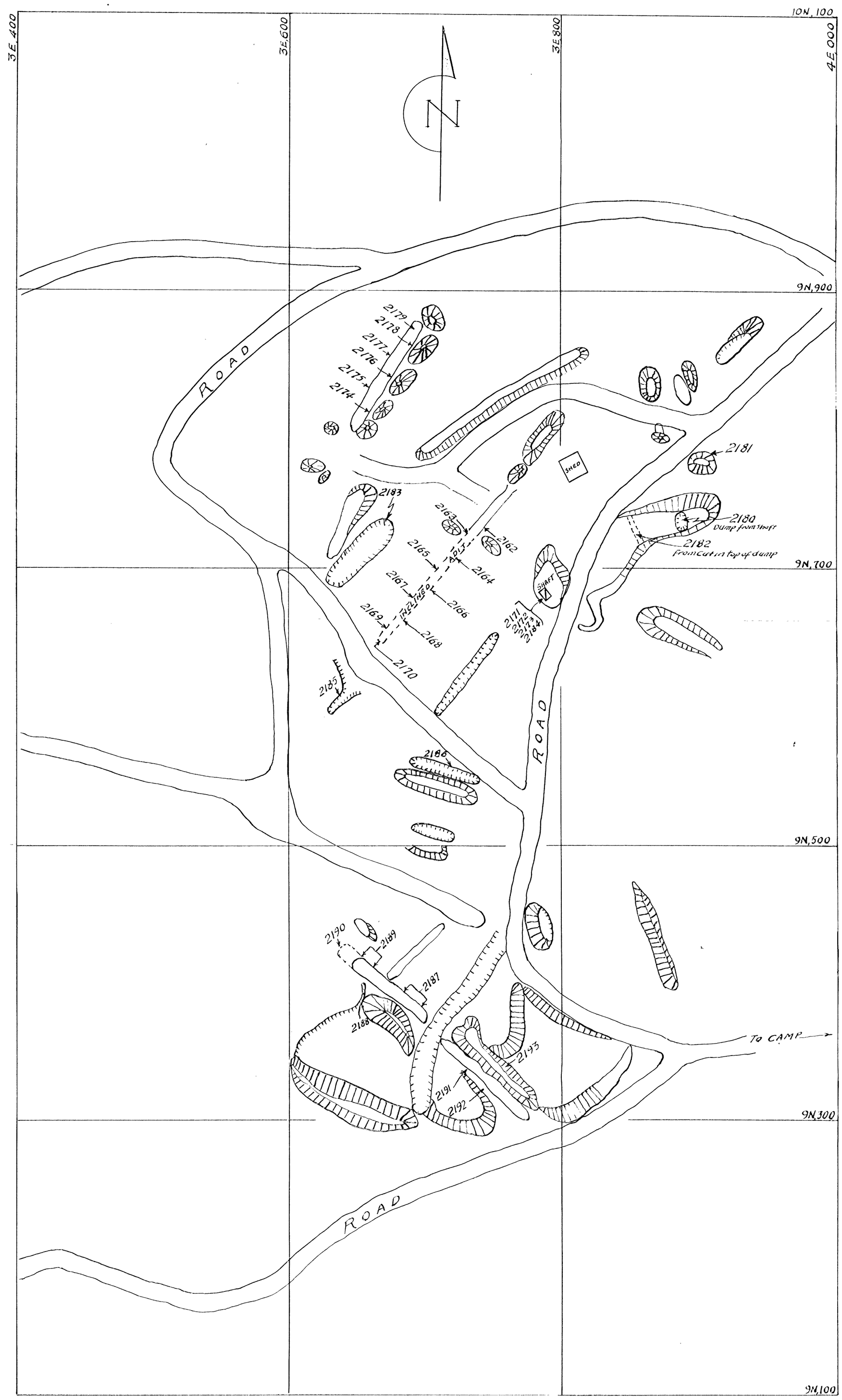
D.M.E.A.



SAMPLES

SAMPLE NO.	WIDTH FT.	LBS. HG. TON
DM2162	2.0	21.8 ADIT
2163	5.5	1.5 "
2164	6.0	0.8 "
2165	5.0	* 0.1 "
2166	6.0	1.6 "
2167	5.0	0.7 "
2169	5.5	0.6 "
2168	4.5	0.7 "
2170	5.0	2.1 "
2171	4.0	8.0 SHAFT
2172	4.0	2.7 "
2173	4.0	1.4 "
2174	4.0	0.2 TRENCH
2175	4.4	* 0.1 "
2176	5.0	0.1 "
2177	5.5	0.1 "
2178	6.0	* 0.1 "
2179	3.0	0.1 "
2180	21.0	19.4 DUMP
2181	22.0	14.0 "
2182	27.0	1.4 "
2183	10.0	2.7 "
2184	5.0	16.6 SHAFT
2189	4.6	0.5 TRENCH
2186	2.7	* 0.1 "
2187	9.0	0.2 "
2188	6.4	0.5 "
2189	12.0	1.7 "
2190	5 2	2.4 "
2191	7.5	0.3 "
2192	14.0	0.2 "
2193	SHOVEL	0.3 DUMP

* = LESS THAN

DOCKET No. DMEA 4660 - MERCURY
MULLEN - BUCKLEY URANIUM CORP.
ANDIES MINE, LINCOLN COUNTY, NEVADA
PLAN and SAMPLE MAP

SCALE: 1" = 50'

FIG. 2