DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4875

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- [ ] Withdrawn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:

50%

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

17963

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

ORIGINAL FILE COPY
DMEA
RECEIVED NOV 18 1957
DATE | CODE

November 15, 1957

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid, (Uranium) Lucky Thirteen Uranium Corporation (Lucky Thirteen Claims, et al.) Emery County, Utah

Enclosed are the original and one copy of the subject application. One copy of the application is being forwarded to the Grand Junction Office, DMEA. One copy of the application is being retained in our file.

The Applicant contemplates 5,600 feet of non-core drilling and 50 feet of drifting at a total estimated cost of $14,000.

No bids for any of the Applicant's proposed work were submitted with the application. His estimated drilling costs appear very high for shallow drilling and his estimated cost of drifting is too low to be realistic.

E. N. Harshman
Acting Executive Officer

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DMEA
DEPARTMENT OF THE INTERIOR
NOV 14 1957
REGION III
DENVER, COLORADO

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

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

LUCKY THIRTEEN URANIUM CORPORATION
P.O. BOX 118, PAONIA, COLORADO

(Street Address-134½ Grand Ave., Paonia, Colorado)

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4875
Date Received: 11-18-57
Government Participation %:
Region: III
Division Code: 700

BUSINESS ORGANIZATION (Check one)

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

State in which firm is organized: Colorado

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
R.H. Bacon	Paonia, Colorado	President
Cecil L. Hebrew	" "	Vice-President
Elbert R. Wood	Box 118 " "	Sec'y-Treas.

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

Estimated Cost of Project: $ 14,000.00

LOCATION OF PROPERTY

Name	County	State
Lucky Thirteen (Temple Mountain Area)	Emery	Utah

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.

November 13, 1957
Dated

Elbert R. Wood
BY (*Signature*)

Secretary-Treasurer
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

LUCKY THIRTEEN URANIUM CORP.
P.O. Box 118, Paonia, Colo.

1. Applicant's Property Rights: (a) The following seven unpatented claims have all been surveyed and staked by a Colorado registered land surveyor and we have an Abstract of Title covering said claims:

	Original Filing		Amended Filing	
	Book	Page	Book	Page
Lucky Thirteen No. 1	J-78	71	J-108	558
" " No. 4	J-78	74	J-108	559
" " No. 5	J-78	75	J-108	560
" " No. 6	J-78	76	J-108	561
" " No. 7	J-78	77	J-108	562
Paint Horse No. 1	J-87	262	J-108	563
" " No. 2	J-87	263	J-108	564

(See attached map for more detailed description. Note conflict with White Point Claim and Paleface Claims Nos. 18 & 23.)

The following claims were staked and filed at a later date and have not been surveyed by a registered land surveyor:

Ursa Minor No. 1	J-110	485	J-112	277
" " No. 2	J-110	486	J-112	276

(Ursa Minor Claims Nos. 1&2 lie adjacent and parallel to Lucky Thirteen Claims Nos. 5 and 4 respectively. All claims are 600 ft. wide and 1500 ft. long. All location notices were filed in the office of the County Recorder of Emery County, in Castledale, Utah.)

(b) Property is known only by the claim names and numbers.
(c) These are all unpatented claims, filed in the name of Lucky Thirteen Uranium Corporation, Paonia, Colorado.
(d) There are no liens or other encumbrances on the property, to the best of our knowledge, except the conflicting claims shown on the map.

2. Physical Description:

(a) Eight test holes were drilled on Lucky Thirteen Claims Nos. 1, 4, 5 and 6, in June, 1956, in the locations indicated on the attached map, but only hole No. 4 showed any appreciable uranium content. At that time, we were unable to reach the areas which show the most promise of ore, for lack of a road. In June, 1957, we hired about 3000 feet of road built and, now, with some repair work, made necessary by recent heavy rains, and the building of, perhaps, another 1000 feet of road, we should be able to explore the most promising looking locations. No actual mining has been done on any of these claims.
(b) We entered into a written drilling agreement with a local contractor which provided that he should do a thorough exploration job, including the building of necessary access roads and that he should share in any production of minerals on a 50-50 basis. It also provided that he should complete the work by September 1, 1956. Because of lack of funds, he was unable to carry out his part of the agreement and told us he would just have to consider the work already done as a donation, even though we offered to extend the time limit.
(c) There has been no production on these claims.
(d),(e)&(f) The same ore bearing stream bed, lying on top of the Red Beds and beneath the Windgate, which yielded $3,000,000.00 in uranium to the operators of the Lucky Strike Mine, lies underneath our property at a depth of from fifty to one hundred feet. We have no geological report and no assay reports to furnish.

3. Accessibility of Project:

(a) Arrangements can be made to have a company representative meet a representative of the DMEA by telephoning the Secretary-Treasurer, Elbert R. Wood, at his office in Paonia, Colorado. The property lies about 65 miles Southwest of Greenriver, Utah, almost adjacent to Lucky Strike No. 2 Mine. Take U.S. Highway 6-50 West of Green River, turn left on Utah Highway 24 and follow it about 40 miles, then turn right on gravel road toward Temple Mountain and follow about 25 miles to stream bed at base of Windgate. Normally, vehicles can turn right up stream bed and travel a few hundred yards to our property which lies South of Lucky Strike No. 2 Mine and Southwest of the now abandoned Commenwealth Mine.

(b) Green River, Utah is the nearest shipping and supply point.

4. The Exploration Project:

(a) See map for approximate location of ore bearing prehistoric streambed, in its relation to our claims; the approximate locations of the eight test holes already drilled; and the location of the proposed seventy test holes. It is proposed to drive a fifty foot drift into the ore channel underlying Paint Horse Claims Nos. 1 & 2, because the formation is such that it would be entirely impractical to attempt to drill.

(b) Approximately 3000 feet of access road has already been built. Because of recent heavy rains, in the area, it is probable that some of this road will have to be repaired. Also, in order to do a thorough job of drilling on the Lucky Thirteen and Ursa Minor Claims, an estimated 20 hours of additional road work will have to be done. It is estimated, also, that 20 to 25 hours of road work will have to be done to reach the site where the drift is to be driven into the Paint Horse Claims.

(c) It is hoped that an exploration contract can be entered into by early Spring, so that we can begin operation as soon as weather will permit. We have estimated the time required to drill the seventy test holes at from thirty to thirty-five days. The necessary road work can be done during the time the first drilling is being done. It is our plan to employ two of our own stockholders, who are experienced miners, to drive the 50 foot drift and we estimate twenty-five days will be required to complete it. This work may not be done until after the drilling has been done.

5. Experience.

Two of our members are experienced in uranium mining and we plan to employ one of them to supervise the work.

6. Estimate of costs:

(a) We plan to have all the work done by independent contractors. We have not obtained bids but have talked with several operators and our estimates of costs are based upon the information thus obtained.

Estimated cost of contract work:

Drilling 70 test holes of 80 feet @ $2.00 per foot--	$11,200.00
Driving 50 feet of drift @ $15.00 per foot----------	750.00
60 hours of road building & repairing @ $12.00 per hour	720.00
Total estimated contract expense	$12,670.00

Estimate of Costs:

(b)	Geologist for thirty days @ $25.00 per day	$750.00
	Company supervisor for thirty days @ $15.00 per day	450.00
(c)	Groceriesfor geologist & company supervisor	50.00
(d)	No operating equipment will be furnished by company.	
(e)	No buildings will be required for these operations. The company supervisor has his own camping equipment, which will serve for him and the geologist.	
(f)	None	
(g)	Miscellaneous: Travel expense of company supervisor	50.00
	Accounting expense	30.00
	Total estimated unit costs of exploration project	$14,000.00

7. (a) We are prepared to furnish our share of the cost of the proposed project in accordance with the regulations on Government participation stated in Section 7 of DMEA Order-I, Amended.

(b) This share will be available in money to be obtained by assessment from our stockholders.

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a ti
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 Trueblood~~ Movies -	RUN / STOP	[illegible]	RUN / STOP
[illegible]	RUN / STOP	[illegible]	RUN / STOP
~~Mr. Buchanan~~ ~~Rm 2609~~	RUN / STOP	[illegible] Rm 4441	RUN / STOP
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~~Mr. Marsh~~	RUN / STOP	~~Files~~	RUN / STOP
[illegible] 2516	RUN / STOP	[illegible]	RUN / STOP
~~Mr Thomson~~	RUN / STOP	[illegible]	RUN / STOP
~~Budget~~	RUN / STOP	~~Edward Thomson~~ ~~Rm 4519~~	RUN / STOP
Mr. Reese - A 2441 ~~Mr Fenn - 4245~~	RUN / STOP	[illegible] Rm 4558	RUN / STOP
~~Mr Pulleda~~ ~~Room 1540~~	RUN / STOP	Mr. Chamberlain DMEA RM - 4454	RUN / STOP

Send surplus envelopes to supply room for reissue.

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Use RUN and STOP only when messenger service between Government buildings in Washington is required. Your mail room has RUN and STOP information.

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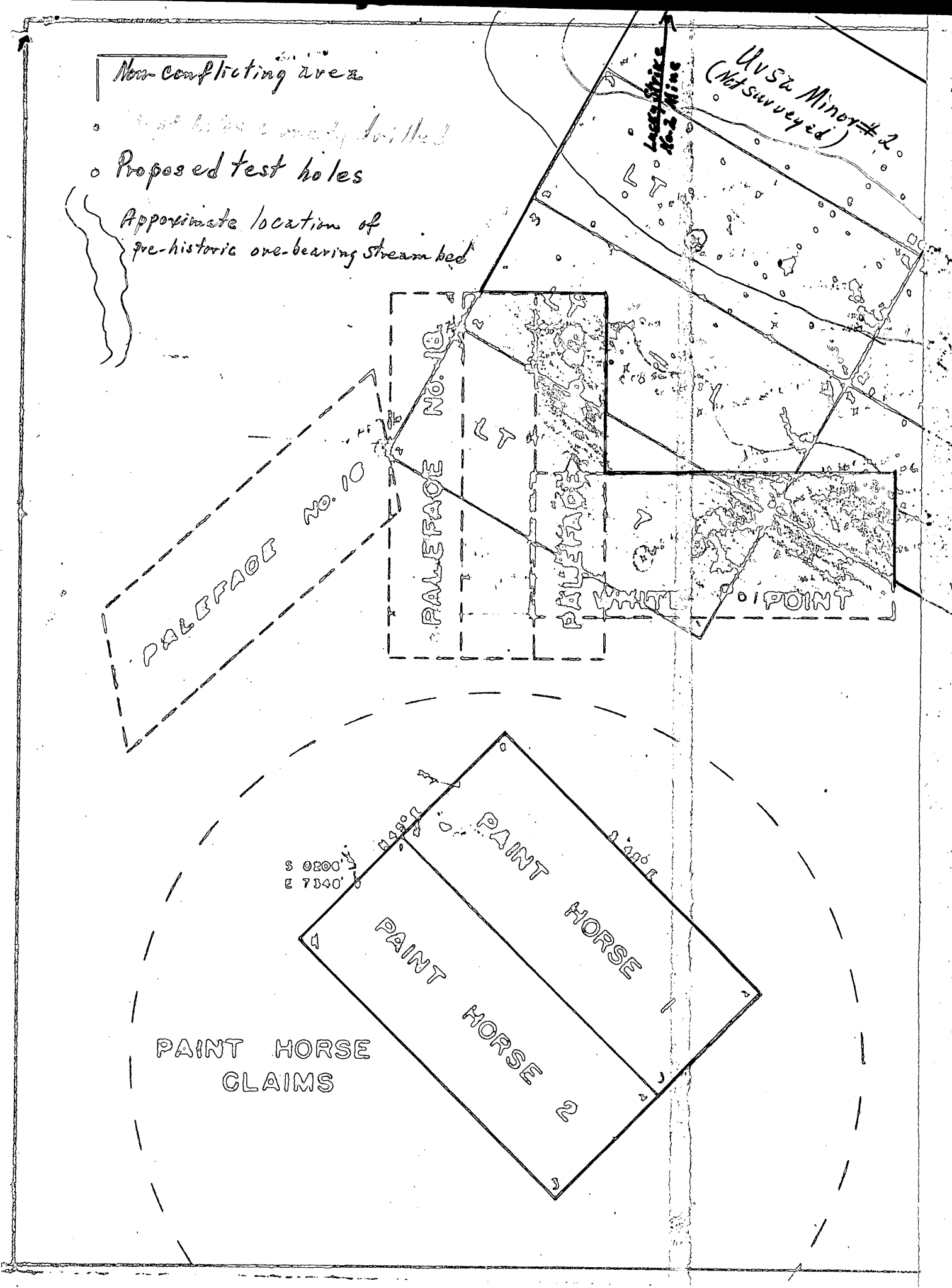
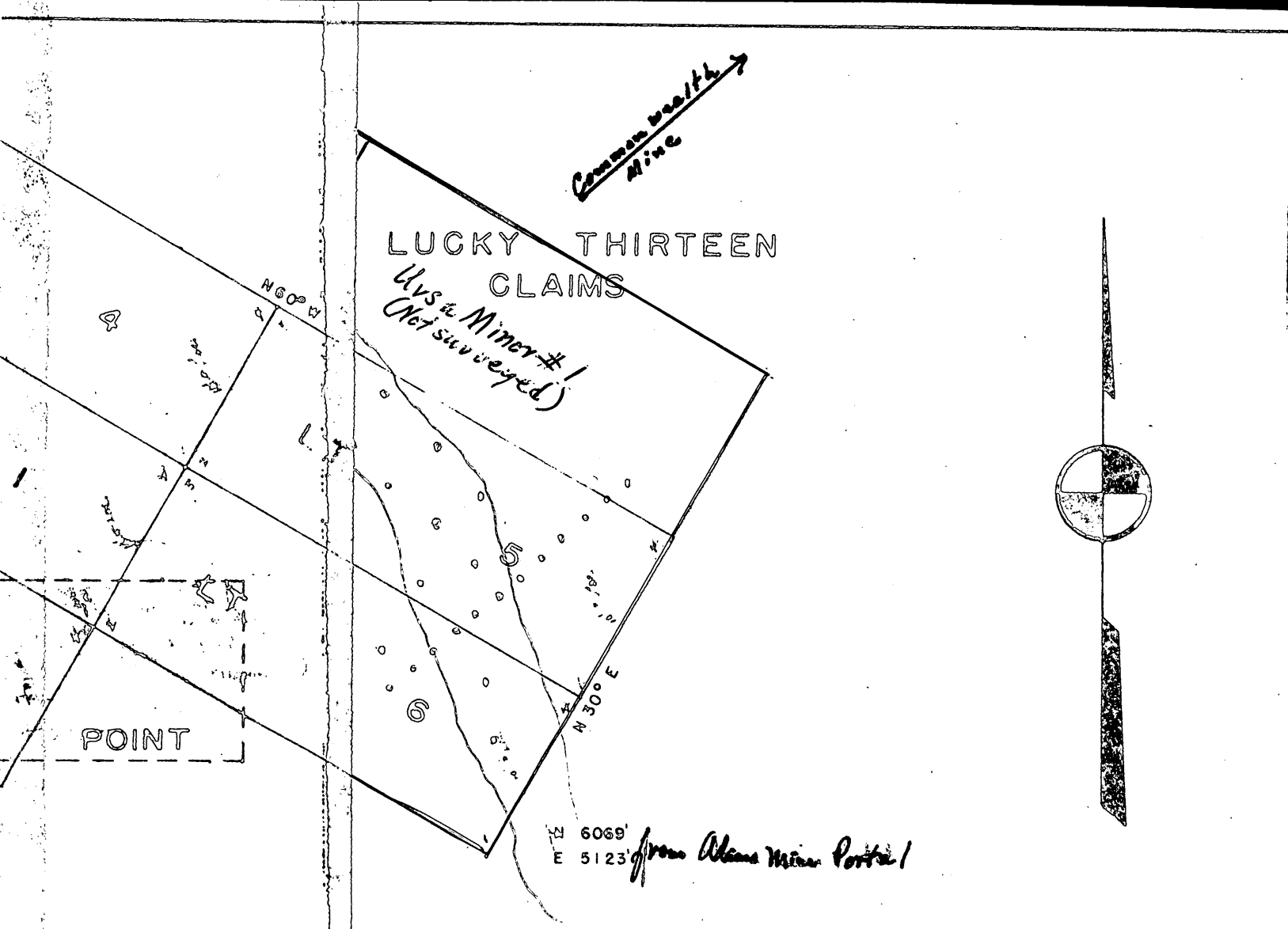

Non-conflicting area
Proposed test holes
Approximate location of pre-historic ore-bearing stream bed
Uvsa Minor #2 (Not surveyed)
Lucky Strike No. 2 Mine
PALEFACE NO. 10
PALEFACE NO. 18
PALEFACE
WHITE POINT
PAINT HORSE 1
PAINT HORSE 2
S 0200'
E 7540'
PAINT HORSE CLAIMS



A MAP OF THE LUCKY THIRTEEN & PAINT HORSE CLAIM GROUPS

(ALL CLAIMS 600' x 1500')

T. 24 S., R. 8 E., EMORY COUNTY, UTAH

LUCKY THIRTEEN URANIUM CORP.

PAONIA, COLORADO

Survey Date Sept. 14 – 20, 1955

Surveyed By:

Drawn By: Ed Hanson

Signed _____

Colo. Reg. Land Surveyor

COORDINATES OF ADAMS MINE = 0,0 (N 38° 43' 50") (W 110° 37' 13") ADAMS MINE PORTAL

Scale 1" = 500'

DOCKET COPY

Murphy

March 19, 1958

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-4875

Commodity: Uranium

Amount of application: $14,000

Applicant: Lucky Thirteen Uranium Corp.
P. O. Box 118
Paonia, Colorado
R. H. Bacon, President

Property rights: Owners of claims Lucky Thirteen Nos. 1, 4, 5, 6, and 7, Paint Horse Nos. 1 and 2, and Ursa Minor Nos. 1 and 2, situate in unsurveyed T. 24 S., R. 8 E., S.L.B.M., Emery County, Utah.

Date of application: November 13, 1957

Referred to Region III: November 27, 1957

Field examination made: January 29, 1958

Field Team Report received: February 28, 1958

Work Proposed: To drill 70 non-core and core holes to an average depth of 80 feet on the Lucky Thirteen and Ursa Minor claims, and drive 50 feet of drift on the Paint Horse claims.

Estimated Costs

Drilling 5600 feet @ $2.00/ft.	$11,200.00
Drifting 50 feet @ $15.00/ft.	750.00
Access roads, bulldozer, 60 hours @ $12.00/hr.	720.00
Geologist and Supervisor	1,250.00
Miscellaneous	80.00
Total	$14,000.00

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/19/58	Murphy	700
3/25	[illegible]	700
3/26	[illegible]	130
"	[illegible]	110
"	[illegible]	100
		220
		225

MAR 27 1958

Mr. Elbert R. Wood
Secretary-Treasurer
Lucky Thirteen Uranium Corporation
P. O. Box 118
Paonia, Colorado

3/26 Yoges (130)

Re: Docket No. DMEA-4875 (Uranium)
Lucky Thirteen, et al., Claims
Emery County, Utah

3/26 Hillsgaard (130)

Dear Mr. Wood:

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 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,

[illegible] (for)

Administrator

FMMurphy/gla
3-19-58
cc to: Admr.'s Reading File
Operating Committee
THKillsgaard, 5224
FMMurphy
DMEA Field Team, Region III (2)

8623

Excerpts from Field Team report of examination by
D. P. Elston, USGS, and M. H. Salsbury, USBM:

The property is on the southwest flank of the San Rafael Swell. Sedimentary strata which crop out on the claims are the Moenkopi, Chinle, and Wingate formations of Triassic age.

The Moss Back member of the Chinle formation is the potential ore-bearing sandstone in the San Rafael Swell, and in places it contains significant uranium deposits. The Lucky Strike mine, about 2500 feet northeast of the subject property, has a recorded production of 11,107 tons of ore averaging 0.24% U_3O_8 and 0.09% V_2O_5.

The ore is usually found to occur as clusters of individual small deposits in channels which are scoured to within a few feet of the underlying Moenkopi formation. The Moss Back member is exposed extensively in the claim area but no apparent significant channel was seen on the property.

Anomalous radioactivity associated with a fragment of a fossil log was noted at one place. Elsewhere, the outcrop of the Moss Back member is devoid of anomalous radioactivity. The Applicant reported one of eight percussion drill holes penetrated rock which registered 0.06% eU_3O_8 on a Babbel probing unit. The remainder of the holes are reported to be barren.

The proposed drifting on the Paint Horse claims is not based on mineralized exposures or favorable geologic structure. During the field examination the Applicant did not appear too interested in exploring the Paint Horse claims.

Because of the apparent lack of a suitable host structure for uranium ore, the absence of mineralized rock at the outcrops, and the negative results of the drilling done by the Applicant on the other claims, the field examiners and Field Team believe that the chance of finding a significant uranium ore deposit by the proposed drilling is poor.

The Field Team recommended that the application be denied.

Commodity Members' Comments:

In memoranda, dated March 3 and March 24, 1958, James Paone, USBM, and W. P. Williams, USGS, respectively, concur in the Field Team's recommendation.

Division of Rare and Miscellaneous Metals
F. M. Murphy, March 19, 1958

Although significant deposits of uranium ore have been found in the area adjacent to the subject claims, the field examiners could find no signs of channels on the claims. The holes drilled to date do not indicate that the known channel to the south will continue north through the claims. Without a definite target, the proposed project is prospective in nature.

Conclusions and Recommendations:

This Division concurs in the Field Team's recommendation that application DMEA-4875 should be denied.

Ernest Wm. Ellis

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

IN REPLY REFER TO:

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

March 24, 1958

Memorandum

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

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

Subject: Review of field examination report, DMEA 4875, (uranium), Lucky Thirteen Uranium Corporation, Lucky Thirteen claims, Emery County, Utah

The examining team report that geologic conditions on the applicant's mining claims are not good for the presence of significant uranium ore deposits.

The examiners point out that ore deposits in the vicinity are found in the Moss Back member of the Chinle formation. The ore is localized in Moss Back filled channels cut into the underlying Monitor Butte member of the Chinle. Excellent Moss Back outcrops exist in the area, yet good channel scours were not found. Only one anomalously radioactive fossil log was found. Elsewhere the Moss Back showed no anomalous radioactivity. Only one out of eight percussion drill holes penetrated rock that registered a reported 0.06 percent U_3O_8.

There are many unfavorable features about the applicant's property. I am in agreement with the recommendations for denial of the application on the grounds that a significant ore discovery would probably not result from the proposed project.

W. P. Williams

W. P. Williams

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DATE	INITIALS	CODE
3/5	C	220
/11	FMM	700

March 3, 1958

4875

Uranium
Lucky Thirteen Uranium Corp.
Lucky Thirteen, et al calims
Emery County, Utah
$12,670.00

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

Field Team Report

2/26/58 2/28/58

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

February 26, 1958

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ON-SITE EXAM

Memorandum

To: Secretary to the Operating Committee DMEA

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 4875 (Uranium) Lucky Thirteen Uranium Corporation (Lucky Thirteen, et. al. claims) Emery County, Utah.

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. They recommend that the applicant's work proposal be denied in which the Field Team concurs.

W H King
W. H. King
Executive Officer

Reviewed by
DMEA OPERATING COMMITTEE
3-3-58
(date)

MINERAL DEPOSITS
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FEB 24 1958

IN REPLY REFER TO:

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

DMEA
DEPARTMENT OF THE INTERIOR
FEB 24 1958
REGION III
DENVER, COLORADO

U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO
OFFICIAL FILE COPY

February 21, 1958

DMEA
RECEIVED FEB 28 1958

Memorandum

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

Through: E. N. Harshman

From: J. William Hasler

Subject: Transmittal of a joint geologic and engineering report on DMEA docket 4875 (Uranium), Lucky Thirteen Uranium Corporation, Lucky Thirteen, et al. claims, Emery County, Utah.

The Lucky Thirteen Uranium Corporation, P. O. Box 118, Paonia, Colorado, applied for DMEA assistance for exploration drilling and drifting on the Lucky Thirteen and Paint Horse claim groups, Emery County, Utah. The claims are in unsurveyed ground on the west side of the San Rafael Swell, about 16 airline miles northwest of Temple Mountain. The property consists of six contiguous claims that are about 3,000 feet south of the Lucky Strike No. 2 mine, and two claims that are on an isolated butte about 7,000 feet further to the southeast.

The application was referred to the field and an examination was made on January 29, 1958. The examining team, consisting of Donald P. Elston, U. S. Geological Survey, and M. H. Salsbury, U. S. Bureau of Mines, was accompanied by Mr. R. H. Bacon, president of the applicant corporation, and O. C. McAckran, a stockholder.

The applicant proposes to drill 70 non-core and core holes to an average depth of about 80 feet on the Lucky Thirteen claim group and to drive 50 feet of drift on the two Paint Horse claims at an overall estimated cost of $12,670.00.

Sedimentary strata which crop out on the claims are the Moenkopi formation, Chinle formation and Wingate sandstone of Triassic age. The Moss Back member of the Chinle formation is the ore-bearing sandstone in the San Rafael Swell and in places it contains significant uranium deposits.

The Moss Back member on and near the Lucky Thirteen claims has a nearly uniform thickness of about 60-65 feet. The base of the Moss Back where measured at two places on these claims is about 20-22 feet above the Moenkopi formation. No apparent significant channel was seen on the property. Anomalous radioactivity associated with a fragment of a fossil log was found by the applicant at one place. Elsewhere, the outcrop of the Moss Back member is devoid of anomalous radioactivity. One of eight

Reviewed
DMEA OPERATING COMMITTEE
3-3-58
(2360)

TRANSMITTED
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percussion drill holes penetrated anomalously radioactive rock which registered a reported 0.06 percent eU_3O_8 on the applicant's Babbel probing unit. The remainder of the holes are reported to be barren.

The applicant considered the proposed drifting on the Paint Horse claims as of secondary importance. The proposed exploration of the Paint Horse claims was not based on any known mineralized exposures, but was of a prospecting nature. There appears to be no justification for the underground work proposed. Inasmuch as the applicant's representative did not have a definite location or a logical reason for the drift, and were not particularly interested in this part of the proposed project, the Paint Horse claims were not examined in detail. However, the strata are well exposed and no channel was apparent.

The lack of significant scours or channels on these claims, coupled with the general lack of anomalous radioactivity, indicate that the chance of finding a significant ore deposit here is poor. It is therefore recommended that the application for DMEA assistance be denied. I concur with the conclusions and recommendations of the examining team.

Mr. Charles C. Hawley, geologist, U. S. Geological Survey, was consulted relative to the geology of the area. Other Geological Survey mapping and geological work was consulted. The ore reserves section of the Grand Junction Operations office of the Atomic Energy Commission was consulted on production and reserve data of the mines and prospects of the area. Memoranda of W. P. Williams and James Paone were also noted.

Enclosed are ten copies of a joint geologic and engineering report of examination by D. P. Elston, U. S. Geological Survey and M. H. Salsbury, U. S. Bureau of Mines. Also included with the report are the appropriate number of figure 1 and figure 2, as well as the applicant's brochure.

J. William Hasler

J. William Hasler,
Geologist

JWH:bh

Enclosures

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

DMEA 4875

Lucky Thirteen Uranium Corporation

Lucky Thirteen, et al. claims

Emery County, Utah

Uranium

Joint Geologic and Engineering Report

by

D. P. Elston
U. S. Geological Survey

M. H. Salsbury
U. S. Bureau of Mines

February 1958

Reviewed by
DMEA OPERATING COMMITTEE
3-3-58
(date)

DMEA 4875
LUCKY THIRTEEN URANIUM CORPORATION
LUCKY THIRTEEN, ET AL. CLAIMS
EMERY COUNTY, UTAH

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DMEA 4875
LUCKY THIRTEEN URANIUM CORPORATION
LUCKY THIRTEEN, ET AL. CLAIMS
EMERY COUNTY, UTAH

INTRODUCTION AND SUMMARY

The Lucky Thirteen Uranium Corporation, P. O. Box 118, Paonia, Colorado, applied for DMEA assistance for exploration drilling and drifting on the Lucky Thirteen and Paint Horse claim groups, Emery County, Utah. The claims are in unsurveyed ground on the west side of the San Rafael Swell, about 16 airline miles northwest of Temple Mountain. The property consists of six contiguous claims that are about 3,000 feet south of the Lucky Strike No. 2 mine, and two claims that are on an isolated butte about 7,000 feet further to the southeast.

The applicant proposes to drill 70 non-core and core drill holes to an average depth of about 80 feet on the Lucky Thirteen claim group and to drive 50 feet of drift on the two Paint Horse claims at an overall cost of $12,670.00. Government participation at 50 percent would be $6,335.00. The application, DMEA 4875, was referred to the field and an examination was made on January 29, 1958. The examining team, consisting of Donald P. Elston, U. S. Geological Survey, and M. H. Salsbury, U. S. Bureau of Mines, was accompanied by R. H. Bacon, president of the applicant corporation, and O. C. McAckran, a stockholder.

Sedimentary strata which crop out on the claims are the Moenkopi formation, Chinle formation and Wingate sandstone of Triassic age. The Moss Back member of the Chinle formation is the ore-bearing sandstone in the San Rafael Swell and in places it contains significant uranium deposits. In the vicinity of the property, uranium deposits in the Moss Back member are associated with Moss Back filled channels cut into the underlying Monitor Butte member of the Chinle formation. Significant deposits apparently are in channels which are scoured to within a few feet of the underlying Moenkopi formation. Smaller deposits locally occur in minor scours and in association with carbonaceous material, at positions that are about 20 feet above the Moenkopi formation.

The Moss Back member on and near the Lucky Thirteen claims has a nearly uniform thickness of about 60-65 feet. The base of the Moss Back where measured at two places on these claims is about 20-22 feet above the Moenkopi formation. No apparent significant channel was seen on the property. Anomalous radioactivity associated with a fragment of a fossil log was found by the applicant at one place. Elsewhere, the outcrop of the Moss Back member is devoid of anomalous radioactivity. One of eight percussion drill holes penetrated anomalously radioactive rock which registered a reported 0.06 percent eU_3O_8 on the applicant's Babbel probing unit. The remainder of the holes are reported to be barren.

The applicant considered the proposed drifting on the Paint Horse claims as of secondary importance. The proposed exploration of the Paint Horse claims was not based on any known mineralized exposures, but was of

a prospecting nature. There appears to be no justification for the underground work proposed. Inasmuch as the applicant's representatives did not have a definite location or a logical reason for the drift, and were not particularly interested in this part of the proposed project, the Paint Horse claims were not examined in detail. However the strata are well exposed and no channel was apparent.

The lack of significant scours or channels on these claims, coupled with the general lack of anomalous radioactivity, indicate that the chance of finding a significant ore deposit here is poor. It is therefore recommended that the application for DMEA assistance be denied.

ACKNOWLEDGMENTS

The applicant submitted with the brochure an exploration project with map and costs. No bids to support drilling costs were submitted. Data on previous drilling on the property were inadequate.

Mr. Charles C. Hawley, geologist, U. S. Geological Survey, was consulted relative to the geology of the area. Mr. Hawley also made available unpublished maps and sections by R. C. Robeck, formerly of the Geological Survey. The ore reserves section of the Grand Junction Operations office of the Atomic Energy Commission was consulted on production and reserve data of the mines and prospects of the area.

Memoranda of W. P. Williams and James Paone were noted.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Lucky Thirteen and Paint Horse claim groups are in unsurveyed T. 24 S., R. 8 E., SLM, Emery County, Utah, 73 miles southwest of Green River over black-topped Utah highway 24 and the graded access road into the San Rafael Swell area (figs. 1 and 2). The roads are vulnerable to washouts and may be frequently impassable for short intervals, particularly sections which occupy normally dry stream beds.

There are no unusual problems of supply, access, labor, or ore marketing except as the remote location contributes to high costs affecting these items. The nearest major source of supply is Grand Junction, Colorado, 200 miles from the property.

Ore may be delivered to Green River, Utah where an upgrading plant is operated by the Union Carbide Nuclear Company, or shipped to uranium treatment plants in Grand Junction, Colorado, Moab, Utah, or Salt Lake City, Utah. Green River is on the main line of the Denver and Rio Grande Western Railroad.

The five Lucky Thirteen and two Ursa Minor claims occupy rough terrain where the beds are displaced by faulting in front of a long narrow ridge, a Wingate escarpment which rises from a Chinle slope on which the claims have been located. An access road has been built into the claim area but repair and extension into other parts of the claim area would be necessary to reach proposed drill sites. Cost of preparation would be high.

The Paint Horse Nos. 1 and 2 claims are on an isolated mesa capped by Wingate sandstone about 2 miles south of the other claims. Access to the Moss Back outcrop on these claims would also be expensive.

Living accomodations would have to be furnished at the property for exploration personnel. Domestic water must be hauled from Green River and drilling water from the Muddy River about 8 miles south of the property. The amount obtainable from this source may be very small in the dry season. Dry drilling methods are preferred if feasible.

HISTORY, PRODUCTION, AND PROPERTY OWNERSHIP

Exploration in the vicinity of the applicant's property dates from 1950 and to date has resulted in discovery of only one deposit from which any appreciable production has come. The Lucky Strike mine, about 2,500 feet northeast of the property was in operation between 1952 and 1956 and has produced from one deposit or cluster of deposits a recorded 11,107 tons of ore averaging 0.24 percent U_3O_8 and 0.09 percent V_2O_5. The mine is closed down at the present time. It has produced ore of considerably higher grade than 0.24 percent U_3O_8 (average 0.38 percent U_3O_8 in 1952), but many shipments contained only 0.11 to 0.20 percent U_3O_8. No ore has been found on the applicant's property.

The Lucky Thirteen Nos. 1, 4, 5, 6 and 7 claims (fig. 2) were located on March 8, 1955 by Theodore Jackson, Sid Simpson and O. C. McAckran, representing the Lucky Thirteen Uranium Corporation. They are recorded on

pages 71-77 in Book J-78 of the Emery County records. Amended locations were recorded on pages 558-562, Book J-108.

The Ursa Minor claims were located later to extend the holdings of the corporation to the north. They are recorded on pages 485 and 486, Book J-110. Amended locations are recorded on pages 276 and 277, Book J-112.

The Paint Horse claims are on an isolated mesa about 2 miles southwest of the other claims. They were recorded on pages 262 and 263, Book J-87. Amended locations were recorded on pages 563 and 564, Book J-108.

The Lucky Thirteen Nos. 1, 6 and 7 claims conflict in part with the Paleface Nos. 18 and 23 claims and the White Point claims which are prior locations. The applicant does not claim the ground in conflict and has not proposed exploration on it. No evidence of other conflicts was found during the field inspection.

Location procedures on the Lucky Thirteen claims appear to have been satisfactory although the claims are poorly marked on the ground at the present time. Many of the 4- by 4-inch posts used for claim corners have been removed. The Ursa Minor claims are not marked on the ground as they are shown on the map furnished by the applicant. They appear to overlap the Lucky Thirteen Nos. 4 and 5, judging by the position of the common southerly corner of the two claims.

The claims have not been tied into any land subdivision corners and are located by coordinates referred to the portal of the Adams mine, 6,069 feet south and 5,123 feet west of the discovery monument on the Lucky

Thirteen No. 1 claim. The survey of the claims was made by a registered land surveyor.

The applicant's property rights appear to be satisfactory although the Ursa Minor claim locations should be amended.

PRESENT STATUS

Previous Exploration

Exploration on the property to date has consisted of eight, randomly located percussion drill holes up to 80 feet deep. No lithologic data were compiled, and depths to the Moss Back and Moenkopi strata were not determined. Mineralization (0.06 percent eU_3O_8) of undetermined thickness was reported in one hole. Drill hole locations, as shown on the applicant's map, have not been surveyed and are not readily identifiable on the ground. Several of those found did not correspond to their supposed position.

For evaluation purposes, the exploration done to date is worthless. The only conclusion which can be reached on the basis of drilling results is that no significant mineralization was encountered.

Mining Equipment and Other Facilities

The applicant does not own any exploration equipment and proposes to contract the proposed drilling and employ certain experienced stock holders in the corporation to do the underground work.

GEOLOGY

Sedimentary strata exposed on the claims are the Moenkopi formation, Chinle formation and Wingate sandstone of Early and Late Triassic age (fig. 2). These strata, which are on the west flank of the San Rafael Swell, strike northeasterly and dip about 3-5° NW. Several normal, high angle faults cut these strata in the general area, three of which are present on the Lucky Thirteen claims. The largest fault transects the claims. It strikes about N.75°E., and strata are displaced downward on the southeast about 80 feet. The other faults are minor and displacement along them is on the order of about 10 feet or less.

Only the upper part of the Moenkopi formation, which consists of light to dark red brown generally thin and evenly bedded siltstone, mudstone and very fine-grained sandstone is exposed on the claims. Ripple marks and current markings are abundant and are characteristic of the formation.

The Chinle formation includes four members. The Temple Mountain member is at the base and is overlain by the Monitor Butte, Moss Back and Church Rock members. The Temple Mountain member consists of poorly sorted material that characteristically is a mottled purple-white in color. On the claims it is 5 to 7 feet thick and consists mainly of very fine-grained argillaceous sandstone that contains scattered medium-sized quartz grains. Locally, the uppermost part of the Temple Mountain member is a mottled purple-white claystone. The Monitor Butte member on the claims includes purple claystone and mudstone, 5-8 feet thick at the base,

overlain by 7-11 feet of light green and locally red-brown mudstone and siltstone which locally contains scattered lenses of conglomeratic material particularly near the top. The aggregate thickness of the Temple Mountain and Monitor Butte members on the claims is 20-22 feet.

The Moss Back member is present in all exposures of the Chinle formation throughout the area and forms cliffs, benches and flat-topped mesas. The Moss Back member consists principally of irregularly conglomeratic sandstone which contains interbedded lenses of mudstone, particularly in the lower part. The color on fresh and weathered surfaces commonly is light gray but the lowermost lenses may be light to dark brown. The sandstone is fine- to coarse-grained and both fluvially cross-bedded and evenly bedded. Conglomeratic material, consisting of granules to pebbles of quartz, quartzite, chert, limestone, sandstone and mudstone, is more abundant in the lower part of the member. The mudstone interbeds are greenish gray and green. The thickest beds, 2-3 feet, occur near or at the base of the member. Upward, the mudstone is generally only in seams in finer grained, locally argillaceous sandstone. The lower part of the Moss Back member is commonly coarser grained than the upper part, is composed mainly of angular crossbeds, and forms steep cliffs. The upper part is commonly finer grained and thin-bedded, and is exposed as irregular step-like ledges above the cliffs.

The thickness of the Moss Back member on the claims is 65 feet where measured northwest of the largest fault. There is little variation of thickness evident at the outcrop and no evident channel filling at the

base of the member.

Carbonaceous fossil wood is locally abundant at the base of the member, and, at places, sparse asphaltic material is present as seams and occupies spaces thought to have been formerly occupied by mudstone galls.

The Church Rock member conformably overlies the Moss Back member. It consists of red to purplish red interbedded siltstone and sandstone and locally light red to lavender conglomerate and mudstone. The member forms steep rubble covered slopes and small ledges beneath the massive, nearly vertical cliff-forming Wingate sandstone. The Church Rock member on and near the claims is about 100 feet thick.

The Wingate sandstone is a reddish tan, nearly homogeneous, fine- to medium-grained, cliff-forming sandstone which is about 350 feet thick in the area.

ORE DEPOSITS

Uranium ore deposits in the southwest part of the San Rafael Swell commonly occur in discrete lows or spoon-shaped scours within broad discontinuous channels at the base of the Moss Back member. Because of the variable relief of the contact of the Moss Back member with the underlying Monitor Butte member, up to 10 feet in the southwestern part of the Swell, channels here were arbitrarily defined by R. C. Robeck (unpublished report) as having a minimum cut-off depth of 10 feet. The size of the channels ranges from 100 to 1,000 feet in width, from about 200 to 4,300 feet in length and 10 to 45 feet in depth.

R. C. Robeck postulated a northeasterly trending channel through the property (unpublished map) projected from a minor channel 1,500 feet to the south (fig. 2). The presence of the extension of this channel on the property is questionable as the amount of scouring, from thicknesses of the underlying Monitor Butte member, is on the order of 5 feet or less. No significant structures are apparent at the outcrop on or adjacent to the property.

The applicant drilled 8 wagon drill holes through the Moss Back member. Lithologic or structural data from these holes were not obtained by the applicant. However, the holes were probed and one intersected mineralized rock estimated by the applicant to be 0.06 percent eU_3O_8 on a Babbel instrument. The other holes were reported to be barren.

The Lucky Strike mine, now inoperative, is located about 2,500 feet north-northeast of the subject property. The deposit is in a broad northwesterly trending channel in which the base of the Moss Back member occupies a scour which is cut to within about 5 feet of the underlying Moenkopi formation. The depth of scour is on the order of 15-20 feet. From 1951 to October 1957 production totaled 11,107 tons averaging 0.24 percent U_3O_8 and 0.09 percent V_2O_5. Reserves are estimated by the A.E.C. ore reserves section to be 1,361 tons of indicated ore and 10,100 tons of inferred ore having an average of 0.37 percent U_3O_8. Early production grade, evidenced by a 1952 production of 3,135 tons averaging 0.38 percent U_3O_8, was considerably higher than the average production grade. Production grade from 1954 ranged between 0.11 and 0.20 percent U_3O_8. It is

probable that this deposit is not now being worked because of a lack of ore grade reserves.

Other nearby workings, including the Commonwealth and Paleface outcrop workings, are classed as prospects for which no reserves or production are shown in Atomic Energy Commission records. A small production is reported to have been made from the Commonwealth property but there is no record of it.

PROPOSED EXPLORATION

The exploration proposal presented by the applicant would require 70 core and non-core drill holes about 80 feet deep on the Lucky Thirteen claims in two fences about 1,500 feet apart with holes in each fence about 100 feet apart and additional holes spaced between the fences. The fences are oriented to cross a supposed Moss Back channel trending northwest and southeast. The estimated cost for drilling of $2.00 per foot was not supported by bids from drilling contractors. The rate for drifting proposed on the Paint Horse claims is $15.00 per foot, which is underestimated. The estimate for supervision is high as the applicant proposes to use both a full time geologist and superintendent.

The examining team has not proposed any alternate exploration plan or made a cost estimate.

CONCLUSIONS AND RECOMMENDATIONS

Because of the apparent lack of a suitable host structure for uranium ore, either exposed on the property or likely to extend from the Lucky Strike mine, the absence of mineralized rock at the outcrop, and the negative results of drilling done by the applicant, the chance for discovering a significant uranium deposit on these claims appears to be poor. Therefore, it is recommended that the application for exploration assistance under Docket DMEA 4875 be denied.

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1958
DOCKET 4875

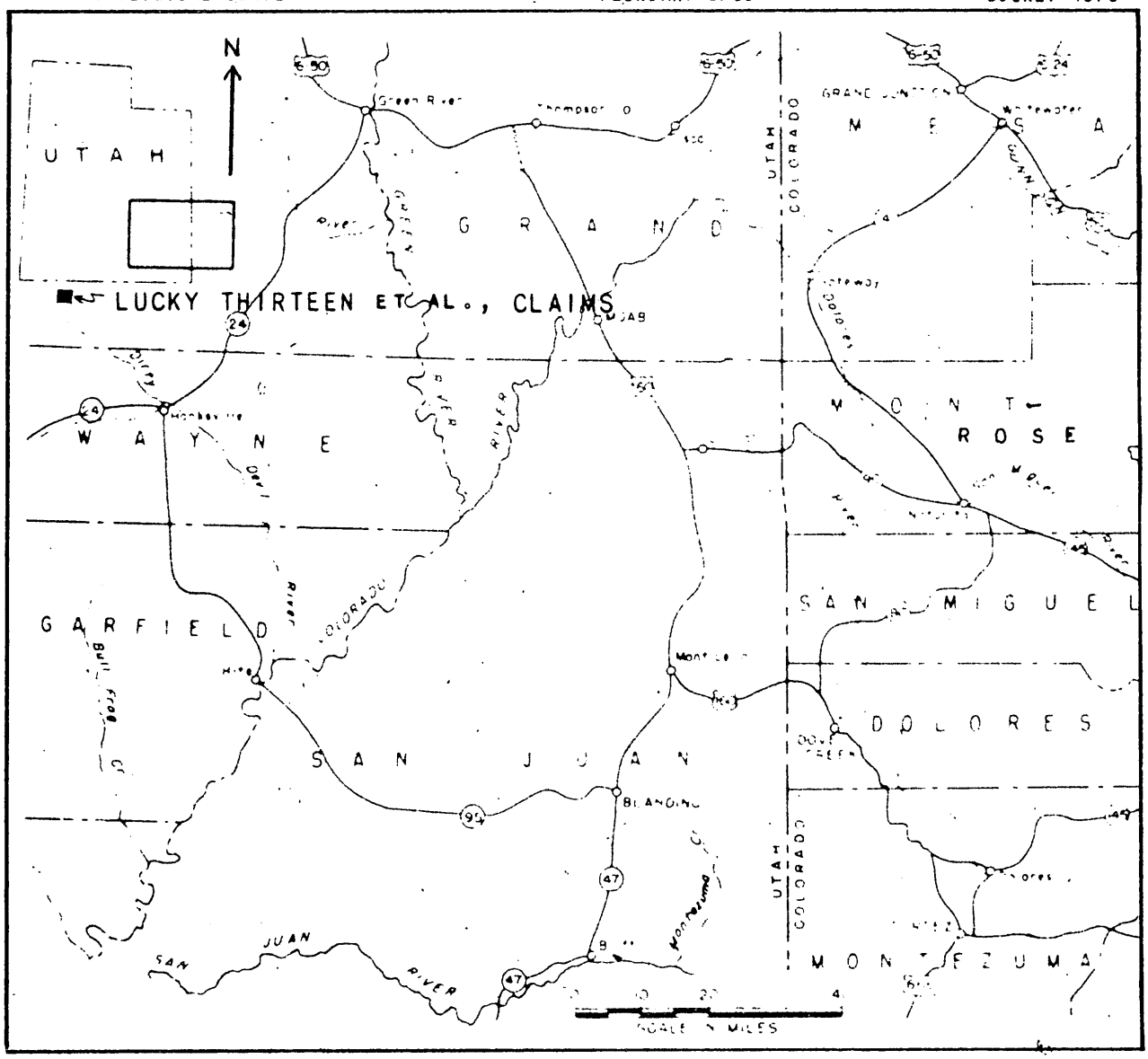
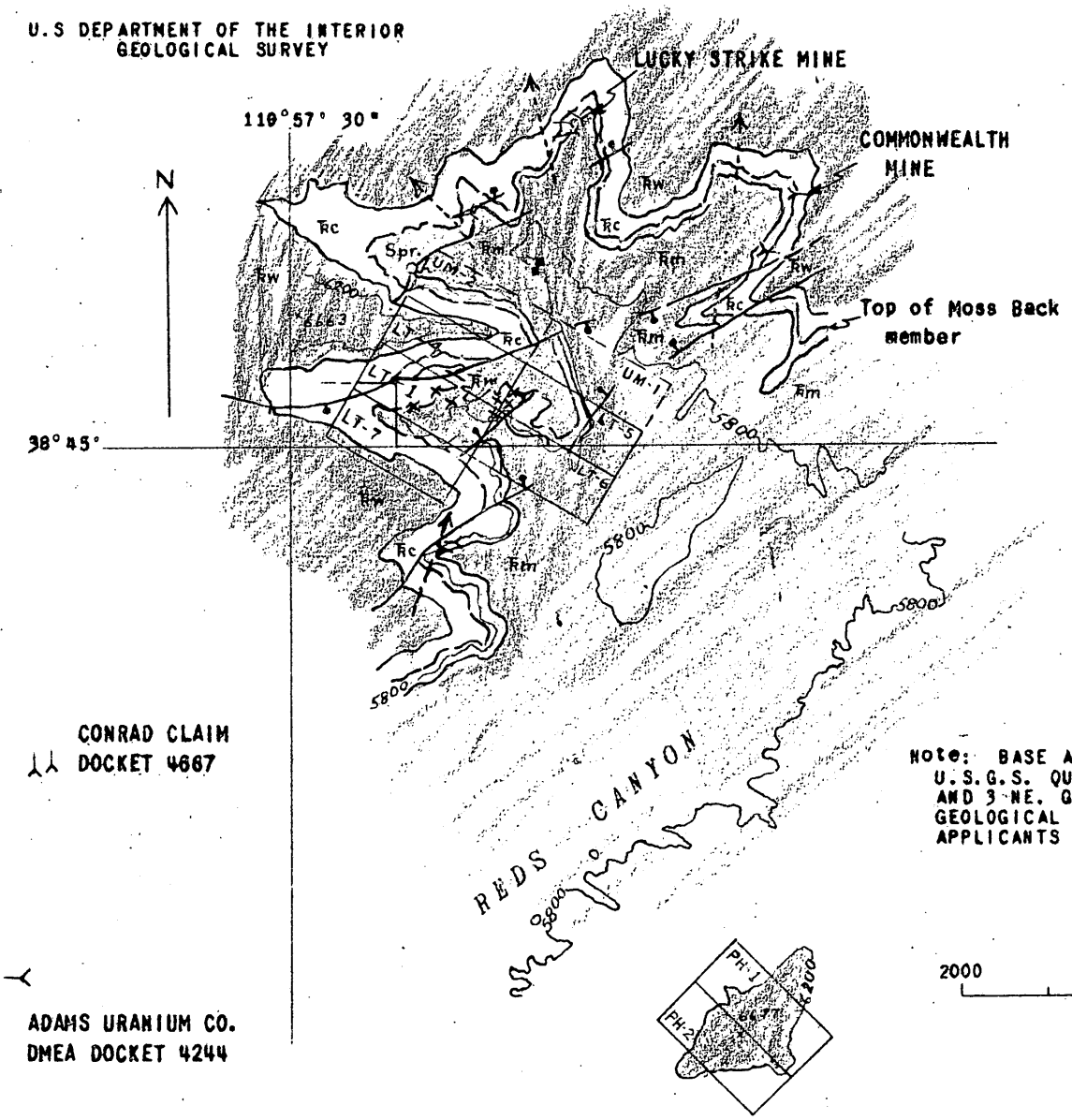


FIGURE 1.--INDEX MAP OF PART OF THE COLORADO PLATEAU SHOWING LOCATION OF LUCKY THIRTEEN, ET AL., CLAIMS, LUCKY THIRTEEN URANIUM CORPORATION, EMERY COUNTY, UTAH.

U.S DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1958 DOCKET 4875



EXPLANATION

- Ꞧw WINGATE SANDSTONE OF TRIASSIC AGE
- Ꞧc CHINLE FORMATION OF TRIASSIC AGE
- Ꞧm MOENKOPI FORMATION OF TRIASSIC AGE
- TOP OF MOSS BACK MEMBER OF CHINLE FORMATION
- FAULT, HIGH ANGLE; DASHED WHERE APPROXIMATELY LOCATED
- INFERRED DIRECTION OF CHANNELING
- ADIT
- NON-CORE DRILL HOLE
- CLAIMS; DASHED WHERE UNSURVEYED: LT- LUCKY THIRTEEN; UM- URSA MINOR; PH- PAINT HORSE

Note: BASE AND 5800 AND 6200 - FOOT CONTOURS FROM U.S.G.S. QUADRANGLE MAPS, STINKING SPRING CREEK 2 SW AND 3 NE. GEOLOGY MODIFIED FROM UNPUBLISHED U.S. GEOLOGICAL SURVEY MAP. CLAIM AND DRILL HOLE LOCATIONS FROM APPLICANTS MAP.

2000 0 4000 FEET

FIGURE 2.--GEOLOGICAL SKETCH MAP OF LUCKY THIRTEEN, ET AL., CLAIMS, LUCKY THIRTEEN URANIUM CORPORATION, EMERY COUNTY, UTAH.

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224 New Customhouse
Denver 2, Colorado

December 3, 1957

Memorandum

To: M. H. Salsbury) With enclosures, Items 1 to 5
J. Wm. Hasler) " " " 2 to 5

From: DMEA Field Team, Region III

Subject: Docket No. DMEA-4875 (Uranium) Lucky Thirteen Uranium Corporation (Lucky Thirteen et al. claims) Emery County, Utah

Enclosed is the following material relating to the subject docket:

(1) Copy of application for Government assistance in exploration work.

(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 November 27, 1957, from the Chairman, Operating Committee, DMEA.

(5) Routing Control Sheet

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

If the Field Examiners view the project proposal favorably, the Applicant should be instructed to submit to this office a bid for the recommended drilling from each of the three independent drilling contractors.

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

Please complete the Routing Control Sheet and forward to the Executive Officer with the joint examination report.

Original signed by
W. H. KING

W. H. King
Executive Officer

HMC:bh
cc-Sect., Op. Comm. (2)
DMEA/DFC (2)
Harshman - w/encls. Items 2 to 4
Docket
Chron.

DMEA Form 7
(12-56)

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Date	Surname	Code
11/26	Murphy	700
"	Ellis	700
11/27	Sellridge	130
"	Adams	110
"	Mittendorf	100
11/29	gb	220
		700
11/27	Williams	130
11/27	Lamb	130

NOV 27 1957

Mr. Elbert R. Wood
Secretary-Treasurer
Lucky Thirteen Uranium Corporation
P. O. Box 118
Faonia, Colorado

Re: Docket No. DMEA-4875 (Uranium)
Lucky Thirteen, et al., Claims
Emery County, Utah

Dear Mr. Wood:

The application for assistance in exploring your claims, under the captioned docket number, has been reviewed by the Division of Rare and Miscellaneous Metals of the Defense Minerals Exploration Administration. It has been referred to:

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy/gla
11-26-57
cc to: Admr.'s Reading File
FMMurphy
DMEA Field Team, Region III (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/26	Murphy	700
"	[illegible]	700
11/27	[illegible]	130
"	Johnson	110
"	Rattendorf	100
11/29	[illegible]	220
		700

NOV 27 1957

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

Re: Docket No. DMEA-4875 (Uranium)
Lucky Thirteen Uranium Corporation
Lucky Thirteen, et al., Claims
Emery County, Utah

Dear Mr. Harahman:

The captioned application is referred to Region III Field Team for review, a field examination if deemed advisable, and recommendations.

Enclosed are copies of memoranda, dated November 21 and 25, 1957, by James Faone, USBM, and W. P. Williams, USGS, respectively, relating to the application. Also enclosed for Field Team use is one copy of the application.

We agree with the observations made in your memorandum of November 15 regarding the Applicant's estimates for the costs of drilling and drifting.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GHB)

Enclosures

FMMurphy/gla
11-26-57
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
FMMurphy

APPROVED:

Frank D. Lamb (GHB)
Member, Bureau of Mines

W. P. Williams (GHB)
Member, Geological Survey

8623

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

IN REPLY REFER TO:

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DATE | INITIALS
11/26 gb 220
~~EWE~~ 700
FMM
Complete

November 25, 1957

Memorandum

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

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

Subject: Review of application, DMEA 4875 (uranium), Lucky Thirteen Uranium Corporation, Lucky Thirteen Claims, Emery Co., Utah

The applicant proposes to explore for uranium ore deposits on nine mining claims, three of which are fractional.

The property is located on the southwest flank of the San Rafael Swell. I could not tell from the application the precise location of the applicant's claims. The property seems, however, to be a short distance south of the Lucky Strike No. 2 mine and about a mile northeast of the Adams mine. The Adams mine is the site of DMEA 4244, Idm-E986. Work at the Adams mine has consisted of crosscutting and drifting along a paleostream channel similar to the one described by the applicant. To date the work under Idm-E986 has not been certified as a discovery.

NG?

The applicant proposes an exploration project consisting of non-core drilling and drifting at a total estimated cost of $14,000.

I recommend that the application be referred to the Field Team. Personnel in Grand Junction very likely has detailed information about the property because the Geological Survey has done geologic mapping in the area.

W. P. Williams

W. P. Williams

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

Date November 21, 1957

DMEA Docket No. 4875
DMEA Contract No.
Commodity Uranium
Name of applicant Lucky Thirteen Uranium Corp.
Name of property Lucky Thirteen Claims, et. al
Location of property Emery County, Utah
Estimated cost of project $14,000.

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: James Paone, Bureau of Mines Member gb
Uranium Commodity Committee

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 11/18/57. 2. Date received by reviewer: 11/20/57.

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 ☐
      i. Consult with Mr. _____ at _____ AEC office.
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐

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

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

November 18, 1957

Lucky Thirteen Uranium Corporation
P. O. Box 118
134½ Grand Avenue
Paonia, Colorado

Gentlemen:

Subject: DMEA-4875

Your application for exploration assistance, dated November 13, 1957 submitted to our office at Denver, Colorado has been assigned Docket Number DMEA-4875 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