Surname 700

A. G. Keating
Ellis
Fishman
Kilsgaard
Martin
Guhan

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

JUL 29 1955

Inland Uranium, Inc.
c/o Mr. Nathan Wechsler
Attorney in Fact
1010 Vermont Avenue, N. W.
Washington, D. C.

Re: Docket No. DMEA-3875 (Uranium)
Cirrus Claims
Fremont County, Wyoming

Dear Mr. Wechsler:

Your application for aid in an exploration project and other data available to us in Washington relating to 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 to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

A. G.Keating:am
7-25-55
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard,Rm.5222
J. O. Hosted,Rm.3210,GSA
Code 700
Mr. Keating
DMEA Field Team, Region III(2)

R.C.S.

(Docket Copy)

A. J. Keating
Ellis

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

July 25, 1955

SUMMARY OF PROPOSED PROJECT

Subject: Denial of application for an exploration project.

Docket No.: DMEA-3875

Commodity: Uranium

Applicant: Inland Uranium, Inc. - incorporated in the State of Utah
240 South snd East
Salt Lake City, Utah

Nathan Wechsler
1010 Vermont Ave., N. W. - Washington, D. C.
has full power of attorney to act for the above named company in connection with any matters involving application for aid. The president of the company requests that all communications be addressed to Wechsler.

Property: Cirrus Group of Mining Claims Nos. 1 through 42 inclusive and 50 through 61 inclusive located in Sec. 30, Township 37 N., Range 89 W. and sections 24 and 25, Township 37 N., Range 90 W., Fremont County, Wyoming

Date of Application: June 23, 1955

Amount of Application: $21,285.00

Work Proposed: Rim stripping and a total of 8,000 feet of surface drilling consisting of 400 drill holes averaging 20 feet in depth, initially spaced at 200 foot intervals and upon evidence of mineralization spaced at 100 foot intervals or less.

Estimated Cost of Work Proposed:

Independent Contracts

| | |
|---|---|
| Bulldozing 12.5 days @ $100.00/day | $1,250.00 |
| Drilling 8,000 ft. @ $1.00/ft. | 8,000.00 |
| Surveying 4 days @ $125.00/day | 500.00 |
| Assaying - 1,000 samples @ $3.50 ea. | 3,500.00 |
| Sub Total | $13,250.00 |

| | |
|---|---|
| Labor, supervision and consultants | $2,500.00 |
| Equipment and supplies | 1,600.00 |
| Miscellaneous | 2,000.00 |
| Contingencies at 10% | 1,935.00 |
| Total estimated cost | $21,285.00 |

Commodity Committee Members' Comments:

U. S. Geological Survey

Thor H. Kiilsgaard, July 13, 1955. " The program does not appear too feasible. Radiometric outcrops in the carbonaceous shaly members of the Wind River formation in that part of Wyoming are fairly common. The ore deposits have proven to be in the coarse, sandstone members, not in the shales. Inthe present case, the radiometric assays are slight, scarcely more than background count. The topographic map indicates there should be readily observable a sandstone-shale contact on the south side of the ridge and if 20-foot holes will reach through sandstone, it must be assumed the sandstone member is thin, and therefore if it contains any amount of uranium, some of it should outcrop.

"One would believe the property needs a careful surface study with a scintillometer. If such a study failed to indicate substantial amounts of mineralization, there would be little reason to explore it further.

"This application could probably be denied without field study; however, as it is in an area about which not too much is known, I recommend that it be referred to the Field Team for recommendation."

U. S. Bureau of Mines

John E. Crawford, July 6, 1955. "I have reviewed the application and discussed it with Joseph O. Hosted, representative of AEC and we recommend that the application be denied."

John E. Crawford, July 19, 1955. "Mr. Hosted and I have again reviewed the application. We again conclude that the applicants request for assistance be denied. The proposed exploration project, in view of low mineralization found in the discovery pits, is indicative of wildcatting. Submitted geological data do not show promise of finding commercial quality or quantity of uranium."

Rare and Miscellaneous Metals Division - A. G. Keating, July 20,1955

The evidence submitted by the Applicant is not sufficiently favorable to warrant a field examination. While further work may develpp more convincing

criteria in an area about which not too much is known, it is not properly within the purview of DMEA to participate in this type of project.

This Division concurs with the recommendation that the subject application be denied.

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

7/20/55 gla

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

July 19, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

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

Subject: Rereview of application for assistance, DMEA Docket 3875, Inland Uranium Inc., Fremont County, Wyoming.

Supplementary information to my original memorandum, in which Joseph O. Hosted, Atomic Energy Commission representative, and I recommended denial of the application for assistance under DMEA Docket 3875, Inland Uranium Inc., is forwarded herewith for your information.

Mr. Hosted and I have again reviewed DMEA Docket 3875, Inland Uranium Inc., and we again conclude that the applicants' request for assistance be denied. The proposed exploration project, in view of low mineralization found in the discovery pits, is indicative of wildcatting. — By What?

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John E Crawford
John E. Crawford

Attachment

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

July 19, 1955

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John E. Crawford

Attachment

7/14/55 gla

IN REPLY REFER TO:

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

RECEIVED
JUL 14 1955

July 13, 1955

Memorandum

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

From: Thor H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, Inland Uranium, Inc., Fremont Co., Wyoming, DMEA 3875.

The applicant proposes to explore its Cirrus Claim Group with 12.5 days of bulldozer stripping, and an estimated 400 shallow, non-core holes. Estimated cost of the project is $21,285.00.

The claims to be explored are staked on an east-west sandstone-capped ridge. The sandstone is underlain by a carbonaceous shale member about 8 feet thick. Both the shale and the sandstone are members of the Wind River formation of Eocene age. Radiometric samples have been taken in the shale on both sides of the ridge, the highest readings in the upper portion near the sandstone contact.

The proposed exploration project would bulldoze the sandstone-shale contact so that a more detailed radiometric and sampling program could be undertaken. Non-core drilling, using holes averaging 20 feet in depth, would then test parts of the ridge in back of the more favorable outcrops.

The program does not appear too feasible. Radiometric outcrops in the carbonaceous shaly members of the Wind River formation in that part of Wyoming are fairly common; however, the ore deposits have proven to be in the coarse, sandstone members, not in the shales. In the present case, the radiometric assays are slight, scarcely more than background. Further, the topographic map indicates there should be a readily observable sandstone-shale contact on the south side of the ridge, and, if 20-foot holes will reach through the sandstone, it must be assumed the sandstone member is thin and therefore if it contains any amount of uranium some of it should outcrop. At least there should be enough radioactivity in the sandstone outcrop to be detected even though ore bodies in the thin sandstone were small. From the information in hand, one would believe the property needs a careful surface study with a scintillometer. If such a study failed to indicate substantial amounts of mineralization there would be little reason to explore it further.

This application could probably be denied without making a field study; however, as it is in an area about which not too much is known I recommend that it be referred to the Field Team for their recommendations.

Thor H. Kiilsgaard

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Thor H. Kiilsgaard

THKiilsgaard:iml
6-7/13/55

cc: Director's reading, 4212
Branch reading, 4212
RMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

RECEIVED
JUL 14 1955

July 13, 1955

Memorandum

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

From: Thor N. Killingsord, U. S. Geological Survey

Subject: Review of application, Inland Uranium, Inc., Fremont Co., Wyoming, DMEA 3075.

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THKiilsgaard:iml
S-7/13/55

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WASHINGTON 25, D. C.

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TEKillagaard:iml
G-7/13/55

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Branch reading, 4212
BMRA (3)
Docket file
J. E. Crawford, 3641
J. O. Rested, 3210

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

RECEIVED
JUL - 7 1955

July 6, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 3875, Inland Uranium Inc., Fremont County, Wyoming.

I have reviewed the attached application, Inland Uranium Inc., DMEA Docket 3875; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

Based on information submitted, we recommend that the application of the Inland Uranium Inc. be denied.

John E. Crawford

John E. Crawford

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BUREAU OF MINES
WASHINGTON 25, D. C.

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John E. Crawford

Attachment

June 28, 1955
Subject: DMEA-3875
Re: Exploration Assistance
Cirrus

Inland Uranium, Inc.
240 South 2nd East
Salt Lake City, Utah

Gentlemen:

The receipt of your application dated June 23, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3875 and referred to the Rare & Miscellaneous Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

# REPORT ACCOMPANYING APPLICATION TO DMEA

BY

INLAND URANIUM, INCORPORATED

Prepared by:
John Q. St. Clair
Mining Geologist
Grand Junction, Colorado
May 1955

MF-103
(Revised April 1952)

# UNITED STATES DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JUN 28 1955

RECEIVED
JUN 28 1955

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

*Not to be filled in by applicant*

Docket No. 3875
Metal or Mineral Uranium
Date Received 6-28-55
Estimated Cost $21,285
Participation (Government %)

## INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

INLAND URANIUM INC.
240 South 2nd East
Salt Lake City, Utah

(*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. See Report Page 1

(*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 Appendix

(*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. See Report Page 2

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. See Report Page 4

(*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. See Report Page 4

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. See Report Page 3

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

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

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

(*c*) The work will start within 20 days and be completed within two 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. See Report Page 11

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.). See Report Page 8

(*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. See Report Page 9

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. See Report Page 9

(*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. See Report Page 8

(*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. See Report Page 9

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

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

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

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

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

Explain in detail on acompanying paper.

## CERTIFICATION

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

Dated Jan 23, 1955

INLAND URANIUM INCORPORATED
(Applicant)

By Nathan Wechsler

Nathan Wechsler

Power of Attorney

**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

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RECEI

JUN 2 8 19

# POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That INLAND URANIUM INC., a Utah Corporation, does hereby make, constitute and appoint, NATHAN WECHSLER, his agents and attorneys, its true and lawful attorney to appear for it and represent it before the United States Department of Interior, Defense Minerals Exploration Administration, in connection with any matters involving application for aid in an exploration project in which it is a party, giving its said attorney full power to do everything whatsoever requisite and necessary to be done in these matters, and to execute all agreements in these matters, as fully as the undersigned might do if done in its own capacity, with full power of substitution and revocation at any time subsequent to the date hereof and prior to the revocation hereof.

It is requested that all communications addressed to the undersigned, regarding any matter in which the said attorney is hereby authorized to act, be addressed to:

Mr. Nathan Wechsler
1010 Vermont Avenue, N.W.
Washington, D. C.

All powers of attorney for this purpose heretofore filed or executed by us are hereby revoked.

IN WITNESS WHEREOF, the said INLAND URANIUM INC., has executed this power of attorney by causing its name to be hereunto signed by Marden W. Brienholt its President, with its corporate seal affixed and attested by Charles Sidney Noble, its Secretary, this 22nd day of March, 1955, A.D.

INLAND URANIUM INC.

By Marden W. Brienholt
President

ATTEST:

Charles Sidney Noble
Secretary

STATE OF UTAH )
CITY OF Salt Lake )

On the 22nd day of March A.D., 1955, personally appeared before me Marden W. Brainholt and Charles Sidney Noble who, being by me duly sworn, did say that they are the President and Secretary, respectively, of the above corporation, whose names are signed to the foregoing power of attorney, and who have acknowledged the same before me in the city and county aforesaid.

Witness my hand and notarial seal this 22nd day of March, 1955.

My Commission Expires:

Harold N. Hillier
Notary Public

## ILLUSTRATIONS


| Plate | Following Page |
|---|---|
| 1. Topographic and Claim Map (with overlay) | (Front Cover) |
| 2. Madden Quadrangle showing location of claims | 2 |
| 3. USAEC Airborne Anomaly and Location Map | (In Pocket) |


## APPENDIX


| | |
|---|---|
| Photostats of Lease Agreement and Quit Claim Deeds | 13 |

Inland Uranium, Inc.
240 South 2nd East
Salt Lake City, Utah

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JUN 28 1955

# REPORT ACCOMPANYING APPLICATION TO DMEA

## I. NAME OF APPLICANT

(a) The applicant is the Inland Uranium, Incorporated, 240 South 2nd East, Salt Lake City, Utah.

(b) The Inland Uranium, Incorporated, is a corporation organized in and doing business under the laws of the State of Utah.

(c) The following are the titles, names and addresses of officers and directors:

(1) President and Director:

Harden W. Breinholt
505 West 5th South
Salt Lake City, Utah

(2) Vice-President and Director:

Harold N. Wilkinson
240 South 2nd East
Salt Lake City, Utah

(3) Secretary-Treasurer and Director:

Charles Sidney Noble
72 West 14th South
Bountiful, Utah

(4) Director:

O. Rubin Ivory
922 Shirecliff Road
Salt Lake City, Utah

Inland Uranium, Inc.
240 South 2nd East
Salt Lake City, Utah

(5) Director:

Keith C. Green
421 South 100 West
Sandy, Utah

## II. PROPERTY RIGHTS

The ~~36~~ 54 mining claims held by the applicant are located in Sections 24 and 25, Township 37 North, Range 90 West and in Sections 19, 20, 29 and 30, Township 37 North, Range 89 West, Fremont County, Wyoming. The area is known as the Wind River Basin district.

The names of the claims and the recording data are given in the Appendix following this report.

The positions of the claims are shown on Plate 1 (front cover) and Plate 2 of this report.

The claims are subject to a 10-1/2 percent royalty. Further details regarding the legal status of these claims may be obtained by reference to the agreement and quit claim deeds appended hereto.

The property is known as the Cirrus claims.

## III. PHYSICAL DESCRIPTION

### A. Accessibility

The claim area is located approximately three-quarters of a mile by dirt road from the main surfaced highway, U. S. 20 and 26, which connects Riverton and Casper, Wyoming (Refer to Plate 2). Shoshoni, Wyoming, is located westward on this highway, a distance of about 29 miles. Access roads on the property are in good condition, except after heavy rains or during spring thaws.

### B. Topography

Reference to the topographic map (Front Cover and Plate 2) will show that the surface is relatively flat except where interrupted by low lying hills of the Wind River Formation. One such flat-topped hill underlies the claim area.

### C. Mining History

At the time of submitting this application no exploration or development work is being carried out on the claims.

In compliance with government regulations, discovery pits were dug into the outcropping sandstone which is present over the major part of the claim area.

Some shallow prospecting was done along the outcrop of the carbonaceous shale bed, which occurs immediately below the sandstone, but to depths of one to two feet only. These holes reportedly showed counts of .100 MR/Hr. on a model 111 precision scintillator.

On post hole sunk in the overlying sandstone reportedly doubled the background count, but the location of this hole was not recorded.

D. Geologic Setting

The Cirrus Claim Group is situated in an area where the Wind River beds of early Eocene age, composed principally of alternating sandstones and shales, occur in substantial thickness.

Within the claim area, a coarse-grained sandstone forms the surface rock and varies from a friable to a well-indurated bed; the latter forming in places a massive outcrop to the south of claim area. This sandstone contains much limonite.

Underlying this sandstone horizon occurs a grey to black carbonaceous shale member, which is about 8 feet in thickness, and outcrops principally along the north and south margins of the low-lying plateau. It is in this latter bed that the highest radiometric readings were obtained, generally in the upper portion near the contact of the overlying sandstone.

Inland Uranium, Inc.
240 South 2nd East
Salt Lake City, Utah

E. Structure

The beds in the immediate area are relatively flat lying with a dip of one degree to the northwest. No folds or faults are reported in the close vicinity.

F. Mineralization

A reconnaisance radiometric survey was made of several carbonaceous shale outcrops, together with a check on four discovery pits previously dug into the overlying sandstone bed.

The shale bed gave x2 to x5 background count in places and four grab samples were taken where the highest readings were obtained. The sandstone gave from 0 to x3 background and two grab samples were recovered for assaying.

The approximate locations of these samples are shown in Plate 1 (front cover), and the results obtained by chemical assay are as follows:

| Sample No. | Material | % $U_3O_8$ |
|---|---|---|
| 1 | Shale | Trace |
| 2 | Shale | .01 |
| 3 | Shale | Trace |
| 4 | Sandstone | Trace |
| 5 | Shale | .03 |
| 6 | Sandstone | Trace |

No $V_2O_5$ was observed in qualitative checks made during the above assaying.

It is reported that two airborne anomalies were observed on this property, although no records are available to substantiate these findings.

Regionally, the Cirrus Claim Group is situated approximately 25 miles north of the Gas Hills area, and about the same distance south of the Copper Mountain area where ore is currently being mined.

## IV. THE EXPLORATION PROJECT

### A. Objective

The sole objective of the exploration project is the discovery of uranium ore.

### B. Proposed Work

The development work for this property would consist of (1) rim stripping and (2) shallow drill holes.

#### Phase 1 - Rim Stripping

The outcrops of soft, friable sandstone and the upper portion of the grey carbonaceous shale would permit a program of rim stripping to be carried out in these two horizons at relatively low costs. This part of the program would be for the primary purpose of exposing

the beds so that a detailed radiometric, geologic and sampling program could be undertaken. It is estimated that approximately 12,500 feet would be available for stripping, the remainder of the outcrop length being too well indurated to respond to this method of exploration.

On the basis of 1000 feet of outcrop bulldozed per 10 hour day, this part of the program would require 12.5 days.

It is estimated that approximately 500 samples requiring chemical analysis would be taken.

Phase 2 - Shallow Drill Holes

The location of the drill holes would depend primarily on the results obtained in the rim stripping, as drilling immediately behind the mineralized or otherwise favorable outcrops would be the first approach. However, since the sandstone formation, which is the host rock in other areas, covers the major part of the claims, it would be necessary to test this horizon with holes spaced initially at 200-foot intervals. Any evidence of mineralization disclosed in this drilling, would require closer drilling intervals, of 100 feet or less. In some cases the drilling pattern would be on a 25-foot grid to block out ore. Since it is fully realized that the DMEA program is not for this latter purpose, it is proposed to calculate the drilling footages

in a 200-foot grid system using holes averaging 20 feet in depth. It is estimated that 400 holes would be required to cover the property on a 200-foot grid system, or a total of 8000 feet of drilling.

Either auger holes or non-core air-sampling holes would be employed, depending upon the rock conditions.

It is estimated that 500 samples would be taken requiring chemical analysis.

## V. ESTIMATE OF COSTS

Costs for the program have been projected on a period of 60 days, and, since Phases 1 and 2 will run more or less simultaneously, the overall costs will be considered as a unit.

Phases 1 and 2

(1) Independent Contracts

| | | |
|---|---|---|
| (a) Bulldozing<br>12.5 days @ $100 per day | $1250 | |
| (b) Drilling<br>8000 feet @ $1.00 per foot (includes waiting time, delays, etc.) | 8000 | |
| (c) Surveying<br>4 days @ $125 per day | 500 | |
| (d) Assaying<br>1000 samples @ $3.50 each | 3500 | |
| Subtotal | $13250 | $13250 |

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240 South 2nd East
Salt Lake City, Utah

| | | |
|---|---|---|
| (2) Labor, Supervision & Consultants | | |
| (a) Common Labor | | |
| 1 man @ $400 per month x2 | $ 800 | |
| (b) Geologist | | |
| ($600 per month x2) | 1200 | |
| (c) Consultants | | |
| Geology and Engineering | 500 | |
| Subtotal | $2500 | $2500 |
| (3) Operating Equipment and Supplies | | |
| (a) Truck | | |
| (2 months @ $500 per month rental, plus oil, gas and repairs) | $1000 | |
| (b) Butler Building | | |
| (2 months rental plus equipment) | 400 | |
| (c) Sample Bags | | |
| 1000 @ $ .20 each | 200 | |
| (4) Miscellaneous | 2000 | |
| | $3600 | $3600 |
| | | $19350 |
| Add 10% contingencies | | 1935 |
| Total Estimated Cost | | $21285 |

Inland Uranium, Inc.
240 South 2nd East
Salt Lake City, Utah

## Summary of Estimated Costs

| | | |
|---|---|---|
| (1) | Independent Contracts | $13,250 |
| (2) | Labor, Supervision and Consultants | 2,500 |
| (3) | Operating Equipment and Supplies | 3,600 |
| (4) | Miscellaneous | 2,000 |
| | | $19,350 |
| (5) | 10% Contingencies | 1,935 |
| | Total Estimated Cost | $21,285 |

## VI. OPERATING EXPERIENCE AND BACKGROUND OF APPLICANT

The backgrounds of the Directors of the company are as follows:

Harden W. Breinholt, is president and director of the company and is the owner and manager of Breinholt Company, wholesale heating and air conditioning distributors.

Harold N. Wilkinson, is vice-president and director of the company. He is a member of the Bar of the State of Utah and presently is a practicing attorney in Salt Lake City, Utah and is active in the real estate and automobile business in the Salt Lake Area.

Charles Sidney Noble, is secretary-treasurer and director of the company. At present he is a business consultant and life underwriter.

O. Rubin Ivory, is a director of the company, is a rancher and sheep raiser and is also the owner of many oil and gas leases in Colorado. For the past two years he has been active in uranium prospecting in the Wyoming Area.

Keith C. Green, is a director of the company and is one of the owners of the K-C Construction Company of Salt Lake City, Utah. He has been active in exploratory and development work in Wyoming uranium districts for the past year.

Inland Uranium, Inc.
240 South 2nd East
Salt Lake City, Utah

The applicants have appointed Mr. John Q. St. Clair, Mining Geologist, Grand Junction, Colorado, as consultant for work under this program. His background and operating experience are as follows:

| | |
|---|---|
| Education: | University of Minnesota<br>University of Oklahoma<br>B. S. Geology, 1934 (Phi Beta Kappa) |
| 1924 - 1934 | Experience as diamond drill runner and diamond setter and superintendent of drilling operations. |
| 1934 - 1935 | Superintendent of Diamond Drilling, East African Goldfields, Ltd., Lupa Goldfield, Tanganyika, East Africa. |
| 1936 - 1939 | Consultant on Exploration and Diamond Drilling for New Consolidated Gold Fields, Ltd., Nigel Gold Mining Company, Ltd., South Roodepoort Main Reef Areas, Ltd., and other companies on the Rand, South Africa. |
| 1939 - 1945 | (Except for one and one-half years in the armed forces) Director of Research, New Consolidated Gold Fields - Boart Products Diamond Research Laboratory, Johannesburg; also Superintendent of Diamond Drilling Operations, New Consolidated Gold Fields, Ltd. |
| 1945 - 1948 | Manager, Boart Products, South Africa, Ltd., and Director, South African Diamond Crowns, Ltd., Johannesburg. |
| 1948 - 1951 | Licenced Diamond Dealer, Johannesburg; also Director, St. Clair Exploration Company (Pty) Ltd. |
| 1951 - 1954 | Consulting Mining Geologist. |

# APPENDIX

ASSIGNMENT

Comes now Keith C. Green and Ilean K. Green, his wife and by these presents do sell, assign and transfer to Inland Uranium, Inc. all of their rights and interest in that certain contract dated the 31st day of May, 1955 between O. M. Dalley, Lester Dalley, Ivan L. Fuller, Robert C. Dalley and Ned R. Shelley, Grantors and Keith C. Green, Grantee covering the purchase of certain mining claims described as follows:

> The Cirrus Group of Mining Claims 1 through 42, inclusive and 50 through 61, inclusive, all located in Section 30, Township 37 N, Range 89 W, and Sections 24 and 25, Township 37 N, Range 90 W, 6th Principal Meridian, Fremont County, Wyoming.

Dated and signed this 13 day of June, 19[illegible].

Keith C Green

Ilean K Green

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JUN 28 1955

## ASSIGNMENT AND CONVEYANCE

KNOW ALL MEN BY THESE PRESENTS:

That O. M. DALLEY, LESTER DALLEY, by O. M. Dalley, attorney in fact, IVAN L. FULLER, ROBERT C. DALLEY and NED R. SHELLEY, all of Riverton, Wyoming, GRANTORS, for and in consideration of Ten Dollars ($10.00) and other valuable consideration to them in hand paid, receipt of which is hereby acknowledged, does hereby GRANT, BARGAIN, SELL, ASSIGN and CONVEY to KEITH C. GREEN, of Salt Lake City, Utah, GRANTEE, his heirs and assigns forever, the following described mining claims located in the County of Fremont and State of Wyoming, together with any and all rights which they or either of them have or may hereafter acquire in and to the said property, and all rights which they may hold by virtue of being grantee of the original locators, of amendment, relocation or otherwise, and they and each of them do hereby certify that no part of this property is now or ever has been used or occupied by them or any member of their family as a homestead, to-wit:

The Cirrus Group of Mining Claims 1 through 42, inclusive and 50 through 61, inclusive, all located in Section 30, Township 37N. Range 89W. and Sections 24 and 25, Township 37N. Range 90W., 6th Principal Meridian, Fremont County, Wyoming.

The interest of the Grantors being an undivided one-half interest in and to the above described mining claims.

Excepting and reserving to the Grantors, their heirs and assigns forever, a 7½% royalty on all uranium, vanadium and other valuable minerals mined and the Grantee or his assigns agrees to pay to the Grantors as their respective interests from time to time appear, the said royalty which is defined as the total amount received from the sale of such ore as determined by the buying station, mill or smelter returns, exclusive of any governmental haulage and developmental allowance. Payment of royalties shall be made on or before the 10th day of each month and shall be computed upon returns received during the preceeding calandar month.

The Grantee covenants and agrees to pay to the Grantors 10% of any cash or other consideration in any form whatsoever received by the said Grantee for a sale or an assignment of the interest acquired by the said Grantee herein.

The Grantee further covenants and agrees to commence exploration and developmental work upon said property within a reasonable time from the date hereof; to maintain possession of the said property and to use reasonable diligence in all exploration and mining operations; if minerals shall be found, to commence mining operations within a reasonable time in view of weather, field, employment, mining and geophysical conditions, and further to expend the sum of $18,000.00 on the above mentioned exploration and development prior to May 1, 1956, and to furnish proof of said expenditures by affidavit of the Grantee or his assigns with an itemized list of said expenditures prior to May 1, 1956.

In the event the above described work is not performed by the Grantee or his assigns on or before May 1, 1956, the undivided interest of the Grantors shall revert back to them or their heirs or assigns, the same as existed prior to the execution of this instrument and the Grantee or his assigns agrees to execute a quit claim deed to accomplish this end.

Dated and signed this 31st day of May, 1955.

O M Dalley
O. M. DALLEY, Grantor

Ivan L. Fuller
IVAN L. FULLER, Grantor

LESTER DALLEY, Grantor
BY: Lester Dalley
O. M. Dalley, attorney in fact

Robert C Dalley
ROBERT C. DALLEY, Grantor

Ned R. Shelley
NED R. SHELLEY, Grantor

Keith C. Green
KEITH C. GREEN, Grant

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JUN 2 8 1955

STATE OF WYOMING )
) ss
COUNTY OF FREMONT )

On this 31st day of May, 1955, before me personally appeared O. M. Dalley, Lester Dalley, by O. M. Dalley, attorney in fact, Robert G. Dalley and Ned R. Shelley, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

Notary Public

My commission expires: March 20, 1958

STATE OF WYOMING )
) ss
COUNTY OF Fremont )

On this 31st day of May, 1955, before me personally appeared Ivan L. Fuller, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

Notary Public

My commission expires: March 20, 1958

STATE OF [redacted] )
) ss
COUNTY OF [redacted] )

On this _____ day of _____, 1955, before me personally appeared Keith C. Green, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

Notary Public

My commission expires:

RECEIVED
JUN 28 1955

Recorded at Request of .....

at ..... M. Fee Paid $.....

by ..... Dep. Book ..... Page ..... Ref.: .....

Mail tax notice to ..... Address .....

# QUIT-CLAIM DEED

Ilona Parker and Robert F. Parker, her husband of Riverton, County of Fremont, State of ~~Utah~~ Wyoming, grantors hereby QUIT-CLAIM to Keith C. Green

of Salt Lake City, Salt Lake County, State of Utah grantee for the sum of TEN DOLLARS and other good and valuable consideration DOLLARS the following ~~described real estate~~ mining claims in Fremont County, State of ~~Utah~~ Wyoming:

The Cirrus Group of Mining Claims 1 through 42, inclusive and 50 through 61, inclusive, all located in Section 30, Township 37 N, Range 89 W, and Sections 24 and 25, Township 37 N, Range 90 W, 6th principal Meridian, Fremont County, Wyoming.

Subject to a 1% overriding royalty.

WITNESS the hand of said grantor, this June, A. D. one thousand nine hundred and fifty five. day of

Signed in the presence of

Ilona Parker
Robert F Parker

STATE OF ~~UTAH~~ WYOMING
County of FREMONT } ss.

On the day of June A. D. one thousand nine hundred and fifty five personally appeared before me Ilona Parker and Robert F. Parker the signers of the foregoing instrument, who duly acknowledge to me that they executed the same.

My commission expires July 30, 1957 Address: Riverton Wyo. Notary Public. Evelyn Hopkins

BLANK NO. 103—ARROW PRESS, 62 W. SECOND SO., SALT LAKE

REC_VE
JUN 2 0

Recorded at Request of.....

at . . M. Fee Paid $.....

by..... Dep. Book..... Page..... Ref.:.....

Mail tax notice to..... Address.....

# QUIT-CLAIM DEED

Keith C. Green and Ilean K. Green grantors
of Salt Lake City, County of Salt Lake, State of Utah, hereby
QUIT-CLAIM to [illegible] URANIUM, INC.

grantee
of Salt Lake City, Salt Lake County, State of Utah for the sum of
TEN DOLLARS and other good and valuable consideration DOLLARS
the following described ~~[illegible]~~ mining claims in Fremont County,
State of ~~Utah~~ Wyoming:

The [illegible] Group of Mining Claims
1 [illegible], inclusive and 50
[illegible], inclusive, all located
in [illegible], Township 37 N,
[illegible], and Sections 24 and 25,
[illegible], Range 90 W, 6th
[illegible] Meridian, Fremont County,
[illegible]

[illegible] 1 Overriding royalty.

WITNESS the hand of said grantor, this 13th day of
June, A. D. one thousand nine hundred and fifty five

Signed in the presence of

Keith C. Green

Ilean K. Green

STATE OF UTAH,
County of Salt Lake } ss.

On the 13th day of June A. D. one
thousand nine hundred and fifty five personally appeared before me
Keith C. Green and Ilean K. Green

the signer of the foregoing instrument, who duly acknowledge to me that they executed the same.

My commission expires Address: Notary Public.

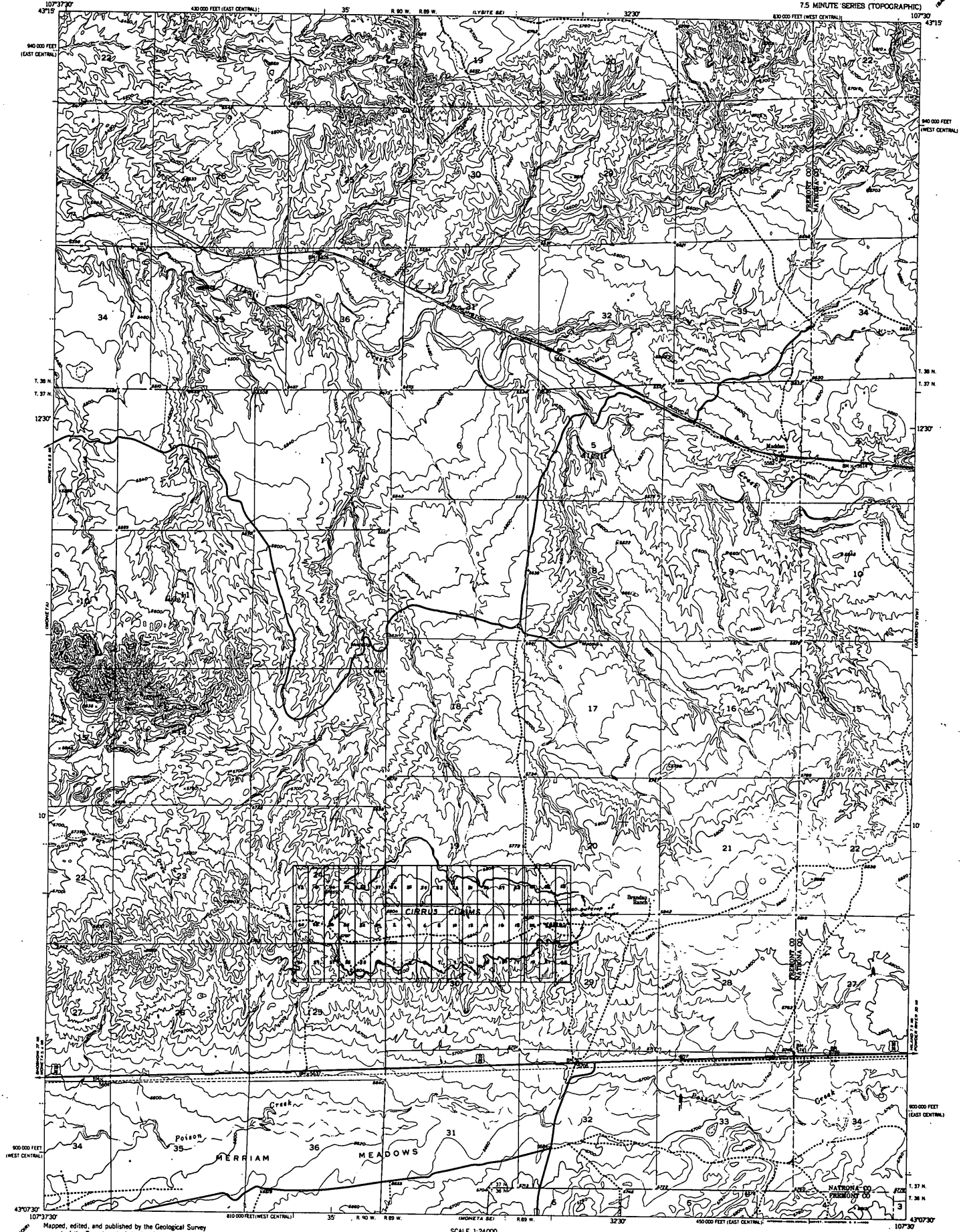
BLANK NO. 103—ARROW PRESS, 62 W. SECOND SOUTH, SALT LAKE

RECEIVED
JUN 28 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# PLATE 2

MADDEN QUADRANGLE
WYOMING
7.5 MINUTE SERIES (TOPOGRAPHIC)




Mapped, edited, and published by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1949. Field check 1952

Polyconic projection. 1927 North American datum
10,000-foot grid based on Wyoming coordinate system, east central and west central zones

Dashed land lines indicate approximate locations

16°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1952

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

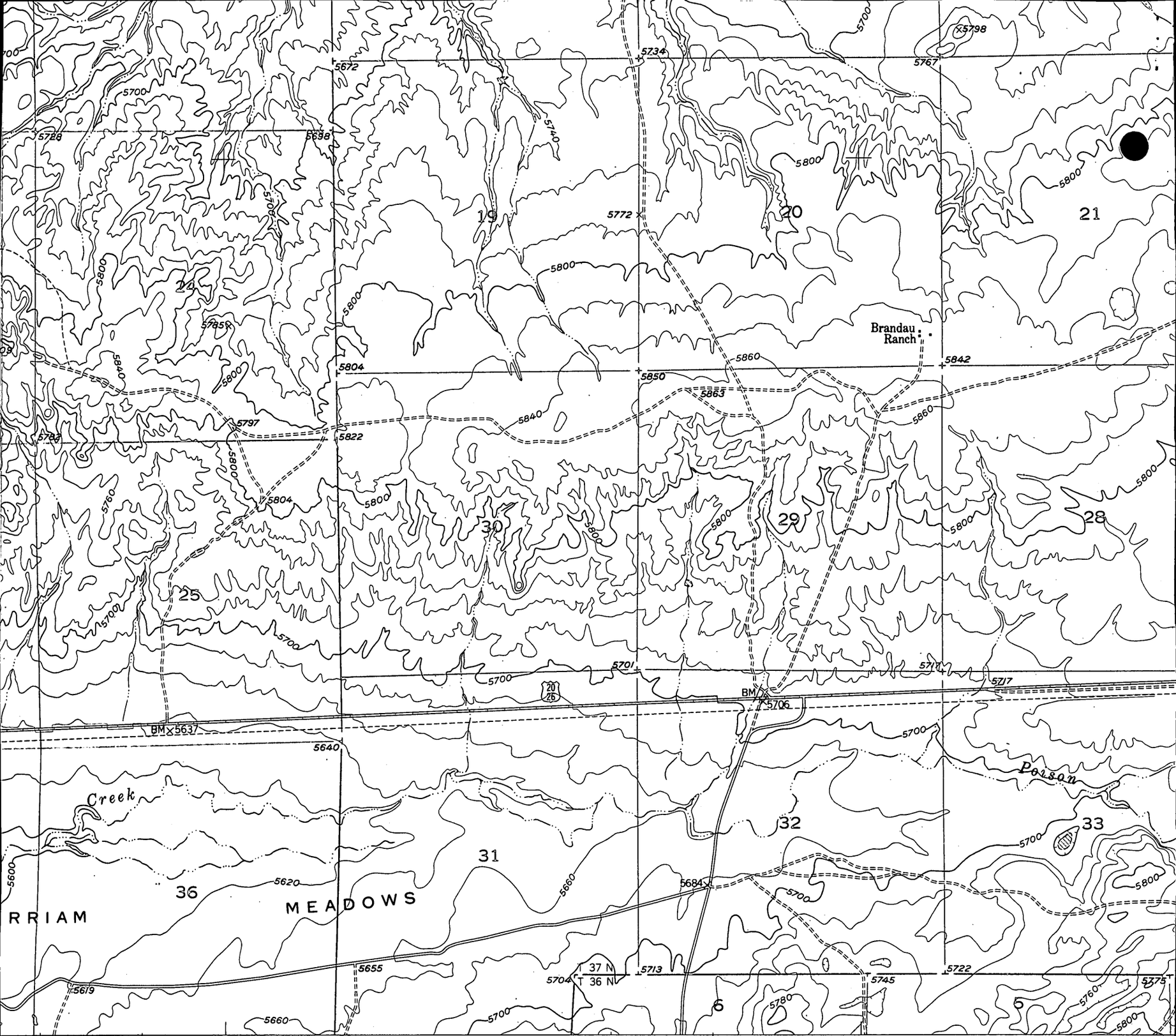
WYOMING
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty — 4 LANE | 2 LANE
Medium-duty — 4 LANE | 2 LANE
Light-duty
Unimproved dirt
U. S. Route
State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MADDEN, WYO.
N4307.5—W10730/7.5
1952




10 000 FEET (WEST CENTRAL) | 35' | R. 90 W. | R. 89 W. | (MONETA SE) | R. 89 W. | 32'30" | 450 000 FEET (EAST CENTRAL)

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

16°
TRUE NORTH
MAGNETIC NORTH

APPROXIMATE MEAN DECLINATION, 1952

Heavy-duty
Medium-du

WYOMING

QUADRANGLE LOCATION

ROOM
KNOXVILLE 2, TENN.

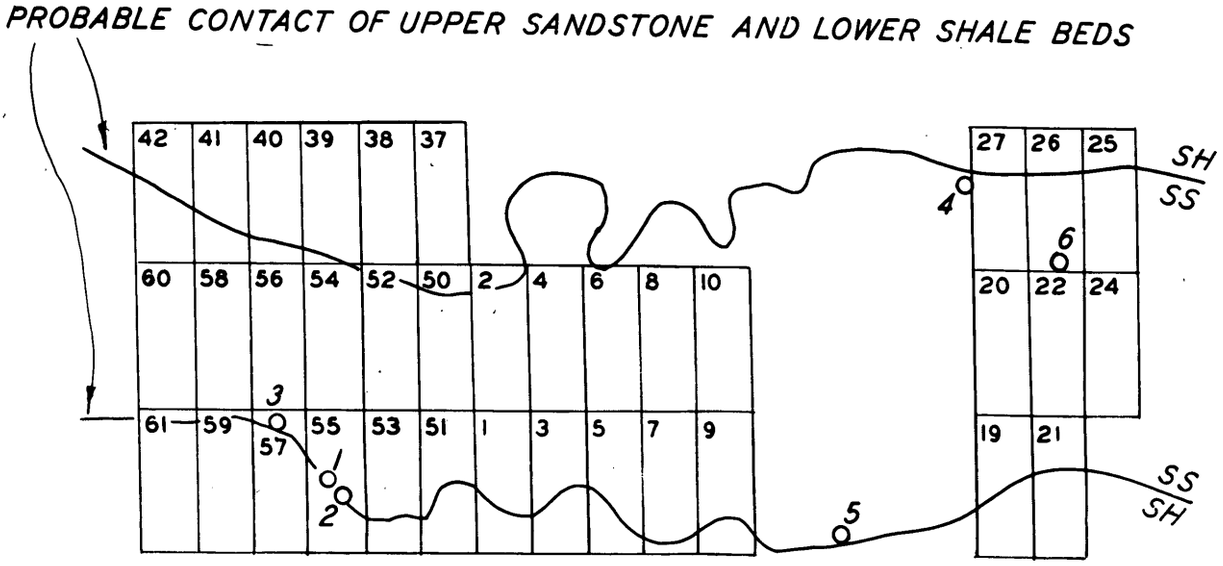
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS
EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~

OFFICIAL BUSINESS

TENN. KNOXVILLE JE 23 3 PM

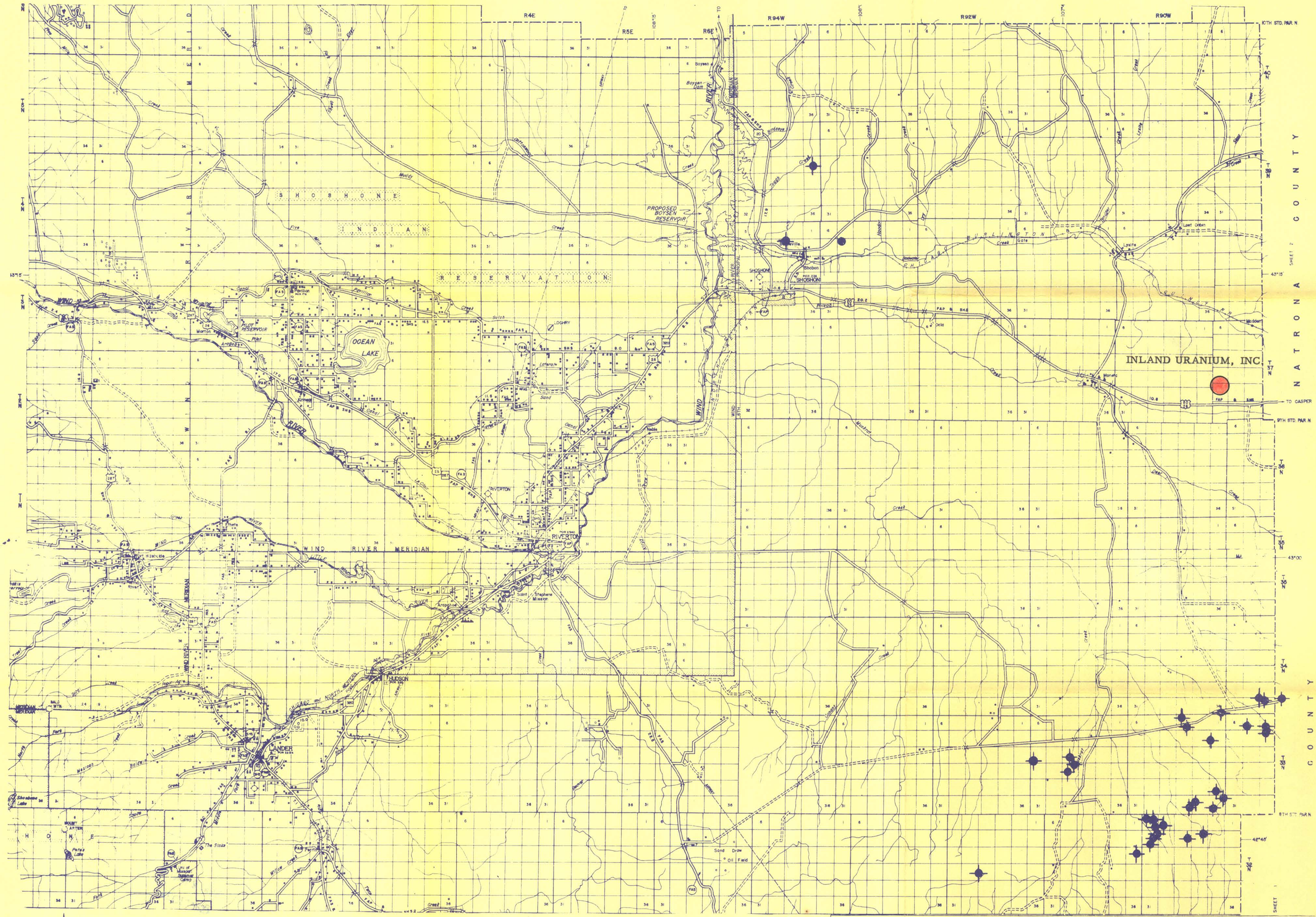
Mr. George C. Selfridge, Chairman
Operating Committee, D.M.E.A.
Dept. of the Interior
Washington 25, D. C.

TO ACCOMPANY REPORT TO DMEA - INLAND URANIUM, INC.




6
o - INDICATES NUMBER AND APPROXIMATE LOCATION OF SAMPLE.

PLATE I




ANOMALY — Anomalous radioactivity has been observed from the air, which may not necessarily indicate uranium on the ground.

PREVIOUSLY POSTED ANOMALIES
NOTE: Posted anomalies represent only those observed where no evidence of active ground operations existed at the time of airborne discovery. Any or all posted locations may be on claimed ground.

N

0 4 8 MILES

The United States Atomic Energy Commission niether represents nor warrents the information contained hereon to be accurate in all respects and makes no recommendations thereto.

DUNKIN BLUE PRINT & Supply Co.
P. O. BOX 1400
GRAND JUNCTION, COLO.
Feb-55
188

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C.

# U.S. ATOMIC ENERGY COMMISSION

## GRAND JUNCTION OPERATIONS OFFICE, EXPLORATION DIVISION

### AIRBORNE ANOMALY LOCATION MAP

State: Wyoming
County: Fremont
Date: February 15, 1955

Scale: 1" = 4 miles
Map No: A 14-200-4

GPO 815535