IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

IMEA NO. 4563

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(~~Withdrawn~~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

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

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

Left Side

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

Right Side

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

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

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

Left Side

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

Right Side

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

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

RECEIVED DEC 3 1956 D.M.E.A.

1605 Evans Avenue
Reno, Nevada

November 29, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Uranium)
Robert August Mindte
Thumbum Group
San Bernardino County, California

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

S. Ricker

Encls.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

DEC 3 1956 D.M.E.A.

Not to be filled in by applicant

Docket No. 4563
Metal or Mineral Uranium
Date Received 12/3/56
Estimated Cost $74,469.30
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: Robert August Linde
10203 Bell Avenue
Bellflower, Calif.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Thumbs, Aurora, Lucky, Pink Lady, Lost Horizon, Lucky Strike, California Lots, Lots 1, 2, 3 mining claims located in the south half of sec. 27 the south half of sec 28 and the north half sec. 33 T2N R2E San Bernardino County Thumbs Calif.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner of above mining claims

(*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 None

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

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

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

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

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

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

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

(*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 attached paper

(*c*) The work will start within ...30... days and be completed within ...24... 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 attached paper

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

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

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

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

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

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. None

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

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

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

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

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

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

[X] Money [ ] Use of equipment owned by you [X] 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 NOVEMBER 19, 1956

Peter A. Mundt
(Applicant)

By .....

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

MINDTE

APPLICATION FOR AID IN EXPLORATION PROJECT

DMEA ITEM 3 (f)

RECEIVED DEC 3 1956 D.M.E.A.

Recorded location notices of claims involved:

1. THUMBUM

Location:	Book 335	Page 91
Amended location	372	186
Discovery work	336	54
1955 labor	368	275

2. AURORA

Location	Book 335	Page 89
Amended location	Book 372	Page 187
Discovery work	336	112
1955 labor	368	275

3. PUENTE

Location	Book 351	Page 468
Amended location	371	600
Discovery work	345	134
1955 labor	368	275

4. PINK LADY

Location	Book 335	Page 92
Amended location	346	472
Discovery work	336	112
1955 labor	368	275

5. PINK JEWELL

Location	Book 335	Page 90
Amended location	372	188
Discovery work	336	112
1955 labor	368	275

6. LOST RATTLER

Location	Book 335	Page 88
Discovery work	336	55
1955 labor	368	275

7. CALIFORNIA ZETA

Location	Book 384	Page 272
Discovery work	388	330

8. ESTE #1

Location	Book 336	Page 181
Amended location	372	375
Discovery work	337	351
1955 labor	368	275

9. H & R #2

Location and Discovery Book 382 Page 456

***ALL CLAIMS RECORDED IN MINING RECORDS, COURTHOUSE, SAN BERNARDINO COUNTY, SAN BERNARDINO, CALIFORNIA

ROBT A. MINDTE
10208 PAGE
BELLFLOWER, CALIF.

ITEM 4 (a)

Mining and exploration work completed:

Exploration on the THUMBUM claim is as follows:

(1) Hillside cut 45 feet long into bank of overburden and mica schist. Depth is 3 feet at the ends and 12 feet at center point. This uncovers a solid plate of primary uranium ore varying in thickness from 1/4 inch to 4 inches assaying 0.3 to 0.5 % uranium oxide. This ore plate covers the full length of the cut (45') and penetrates into the hillside as far as the cut has been driven(15'). Neither the length or width of the ore plate has been determined or reached. The ore seems to be a contact vein between an upper micaceous schist and a lower,much younger pegmatite intrusion. Its strike is NW/SE and its dip is about 30 degrees and toward the NE.

DEC. 8 1956
DMEA

(2) A second cut 5 feet deep and 20 feet long runs at right angles to the above cut down toward the bottom of the canyon. It is located about halfway along the length of the first cut and follows a diabase intrusion which bisects the original cut.

(3) The third Thumbum cut is about 3 feet deep and 25 feet long. It follows a radioactive seam running at right angles to the main Thumbum ore plate at the south end of the first cut. Count along this seam is 150 to 200 MR although one sample from the cut was assayed by the AEC at 0.6% uranium oxide.

Exploration on the other claims is limited to discovery work and minor blasting.

Ownership:

Ownership is held by applicant only. (Certified by AEC Bonus Certificate#C6-C-701) All operations and work by owner.

(Post A. Minutes - 10008 Park - Bellflower, Calif)

Accessibility for inspection:

The workings can be reached ~~to within 1200 feet~~ by pickup truck to the termination of the access road. ~~It is necessary to use foot trail for the last 1200 feet.~~ The AEC has experienced difficulty in locating the cut and it is recommended to have someone familar with the claims along with the inspection party. A detailed map and keys to the gates will be furnished if requested. Accessibility is subject to weather and snow conditions from January to March. Elevation is in excess of 8000 feet.

ITEM 4 (b)

Past production:

1342 lbs. (net) uranium ore was delivered to the Vitro Uranium Co. of Salt Lake City, Utah on July 14, 1954.

Shippers lot# 1. Vitro lot #2381

Applicants source material license #P-1805

Applicants certificate for bonus # D.U.P. C6-C-701 4/2/56

Vitro voucher #2122 ---------$14.79

AEC bonus voucher 4/24/56 $ 9.38

Shipment assay: 0.2% uranium oxide

This small shipment was the first commercial shipment of uranium ore to a uranium plant from Calif. (Ref: AEC letter of 10/20/54)

Current production:

NIL

Ore reserve:

NIL

Robt A. Mindte
10108 Park
Bellflower, Calif.

A ITEM 4 (c)

Geologic features:

The Thumbum vein seems to be a contact of Precambrian mica schist and an intrusion of possibly Jurassic pegmatite according to the AEC geologist. This vein is 1/4 inch thick at the outer ends of the trenching increasing to 4 inches near the center at a diabase dike. The ore vein has been exposed for 45 feet along the canyon and 3 to 15 feet into the hillside. Neither its total length or its width has been determined. The vein contains a high percentage of magnetite, some carnotite and autunite on the exposed surfaces and the major uranium ore identified by the AEC as uranophane. In contrast the California State Bureau of Mines after studying the ore found the uranium principally in altered zircon crystals. Assays run between 0.2% and 0.6% uranium oxide.

Strike is NW/SE, dip 30 deg. and to the NE. Because of this dip the overlying schist deepens quickly as the ore plate goes into the hill. An exploratory shaft would check to see if the vein widens and persists. Drilling will also give this information.

The Thumbum canyon could possibly have been formed by a fault. A 200 lb. piece of float with very little erosive wear was found in the canyon bottom below the cut. Its uranium ore band similar to the Thumbum plate was 4 to 6 inches wide and assayed 0.5% uranium oxide. However, in contrast to the Thumbum plate, its footwall material was near commercial grade for 12 inches below the vein. The origin of this large float has not been located but the terrain is such that it couldnt have come from far.

East of the Thumbum cuts are somewhat radioactive pink outcrops but to the West of the Thumbum substantial pink outcrops assaying from 0.05% to 0.2% uranium oxide can be found for more than a mile. Radioactive granite is exposed 1000 feet south of the Thumbum cut and is the basis for the Calif. Zeta claim in Section 29. Radio

(Robt. A. Mindte - 10208 Park - Bellflower, Calif.)

Radioactive fractures are also present in sec. 27.

The property has been visited only by three OUTSIDE geologists, Mr. Harry E. Nelson AEC, Mr.Troxel, Calif. State Div. of Mines, and Mr. Allen M. Rugg, Minerals Exploration Co. Tuscon Ariz. All beleive the property warrants further exploration. None have visited the ten new claims in the canyon west of the Thumbum.

ITEM 4(d)

Accessibility for mining:

~~Trail from prospect pits to truck road ~1200~~ → CLAIM ROAD COMPLETE 11-1-56 RAM

Truck road to County dirt road------1 mile.

Dirt road to paved state highway----3 miles.

Paved road to nearest railroad ----15 miles.

Total distance claims to railroad 19 miles.

In conjunction with accessibility a new paved state highway has its stakes and brass plugs running through the California Zeta claim. It will pass within 3/4 mile of the other claims. Its destination is the paved highway in Barton Flats located on the south side of the ridge on the mountain range on which the claims are located. This road would provide paved highway to Redlands and San Bernardino from the claims.

Mining accessibility:

Nearest supply point--Big Bear City---7½ miles.

Residence- Owners cabin ----------3½ miles

Two log cabins are on the Williams property adjoining the claims. Arrangements can be made for their use.

ROBT A. MINDTE
10208 PARK
BELLFLOWER, CALIF

Labor:

Labor is available at Big Bear Lake and Big Bear City. This area has had some active mining and labor with some mining experience can be found. San Bernardino, a major rail center is about 50 miles distant. Specialized mining and earth moving equipment is available here too. There are two D8 tractors and bulldozers available for rent at Big Bear.

Water:

A year around running spring is on the upper claim (Pink Lady). Its flow has been conservatively measured at 1500 gallons per 24 hours.

Power:

The closest electric power available is from a line east of Big Bear City. This line is about five miles from the claims.

ITEM 5 (b)

The exploration project:

It is proposed to core drill the area around the Thumbum vein to determine the direction, persistance, and extent of this contact. Also it is proposed to drill the large low grade outcrops to determine their size and uranium content for possible milling material or shipping ore. The outcrops indicated on the "Sketch of Radioactivity" would be drilled in the order of their count or accessibility. Drilling would be limited to Sections 28, 29, and 33.

First drilling would be at the Thumbum contact vein, then at the pink outcrops as indicated above. The California Zeta, Being the lowest, would drilled at times the upper claims were snowbound. The Puente outcrop appears to be the most favorable large deposit for exploration.

Robt. A. Mindte
10108 Rasil
Bellflower, Calif

ITEM 5(b). Exploration project: (Continues)

DEPTH: Drilling depth would be determined by the ore strata found, by the capability of the small drill(100 to 200 feet), and by the recommendation of Mr. Scribner, engineer in charge. The larger part of the drilling will be into primary radioactive exposed outcrops to determine their extent and value. While several holes may be necessary to explore the Thumbum vein, it is probable that a preliminary shaft on this ore vein to a depth of 50 feet will be necessary to determine if this vein persists.

ITEM 5(d)

Operational experience:

Engineer in charge: Robert K Scribner, P.O. Box #879 Big Bear Lake, California.

Graduate University of Utah 1950 B.S.

6 years diversified experience.

1 year U.S. Geological Survey

1 Year L.A. County Flood Control

4 years mining experience in Utah and California. Owner and developer of uranium property,

Applicants experience: Robt. A. Mindte, 10208 Park Ave., Bellflower, California.

3 years preliminary part-time work on these claims, shipping the first commercial uranium ore from the state of California July 14, 1954.

25 years employment as Radio and Television Engineer in Los Angeles, California.

Robt A. Mindte
10208 Park
Bellflower, Calif

MINOTE Exhibit 7(a)

RECEIVED DEC 3 1956 DMEA

DMEA Item 5(b)

Add to 5(b) the following Proj.

(1) Bulldoze access roads to Pine Lady - Ronte - ~~[illegible]~~ H&R #2 claims

(2) Bulldoze overburden at outcrops Thumbum - Pine Lady - Ronte - ~~[illegible]~~ H&R #2 claims

(3) Drive 50' of drift on Thumbum vein

(4) Open a 30' face on Ronte outcrop.

Robt A. Minotte
10208 Park
Bellflower, Calif

Minots Page

Office Meals

6(a) Insurance Contracts

Fire Inland Boat Insurance 1,305.00

2 years @ 14%

(b) Labor Supervision Contract

Labor:

Base pay 15%

FICA 3%

Insurance 1.35

State Unemp. .1

Federal .01

17.11

Dredging 100'

100 days 2400 3,977.00

Dredging 50'

30 Days 1,075.00

Supervisor Salaries } 500.00

Robert A. Minotto

10108 Park

Bellflower, Calif

OTHER ITEM 6 CONTINUED:

6(c) DRILLING MATERIALS:

400' 2" BLACK PIPE @ .43¢	172.00
700' 5/8" PLASTIC WATER HOSE @ 14¢	100.00
6 CASES 40% DYNAMITE @ 18.00	108.00
100 ELECTRIC CAPS	22.50

DRILL OPERATIONAL EXPENSE

BIT REPLACEMENT 0.75 FT.

STEEL	0.11
GASOLINE	0.08
GREASE/OIL	0.07
TOTAL	0.96

1800' @ 0.96 — 1728.00

AIR COMPRESSOR FUEL BEST DIESEL @ 32¢

2 DAY 30 x 9.60	288.00
OIL	5.00
GENERAL SMALL TOOLS	700.00

6(f) SUNDRIES.

GENERAL UNIFORMS & WAREHOUSE	800.00

6(g) MISC.

DESKS	150.00
EQUIPMENT RENTAL	700.00
ACCOUNTING & OFFICE SUPPLYS	100.00

(ROBT A. MINOTE - 10108 PARK - BELLFLOWER, CALIF.)

AREA ITEM 6 CONTINUED)

6(d) Byrne Hay Dell Corporate
Redwood Cost 1775.00

Bus Items Inventory
2 - Core Bits 45.00 92.00
2 - Frame Steel 38.00 77.00
1 - Rug Bit 66.00
1 - Casing Shoe 56.00
(RAM) 2 - Reamer Bits 45.00 88.00
100' x 2 5" Bit (RAM) 200.00

Contract: Air Compressor & Hammer
and Crew 1 month 270.00

Hammer & Access 1 month 75.00

Power & Hoist 1 month 200.00

(RAM) USED CHAIN SAW 86.00
Used Truck
Light Drive Wheel, 1 Ton 1200.00

Water Barrel 45.00

Robt. A. Mindt
10108 Park
Bellflower Calif

5,146.30

MINOTE Exh 11

Letter from Pet

The Applicant proposes to furnish the share of the cost by (1) labor & supervision (2) Cash

[illegible] — [illegible]

[illegible] — 3617.32

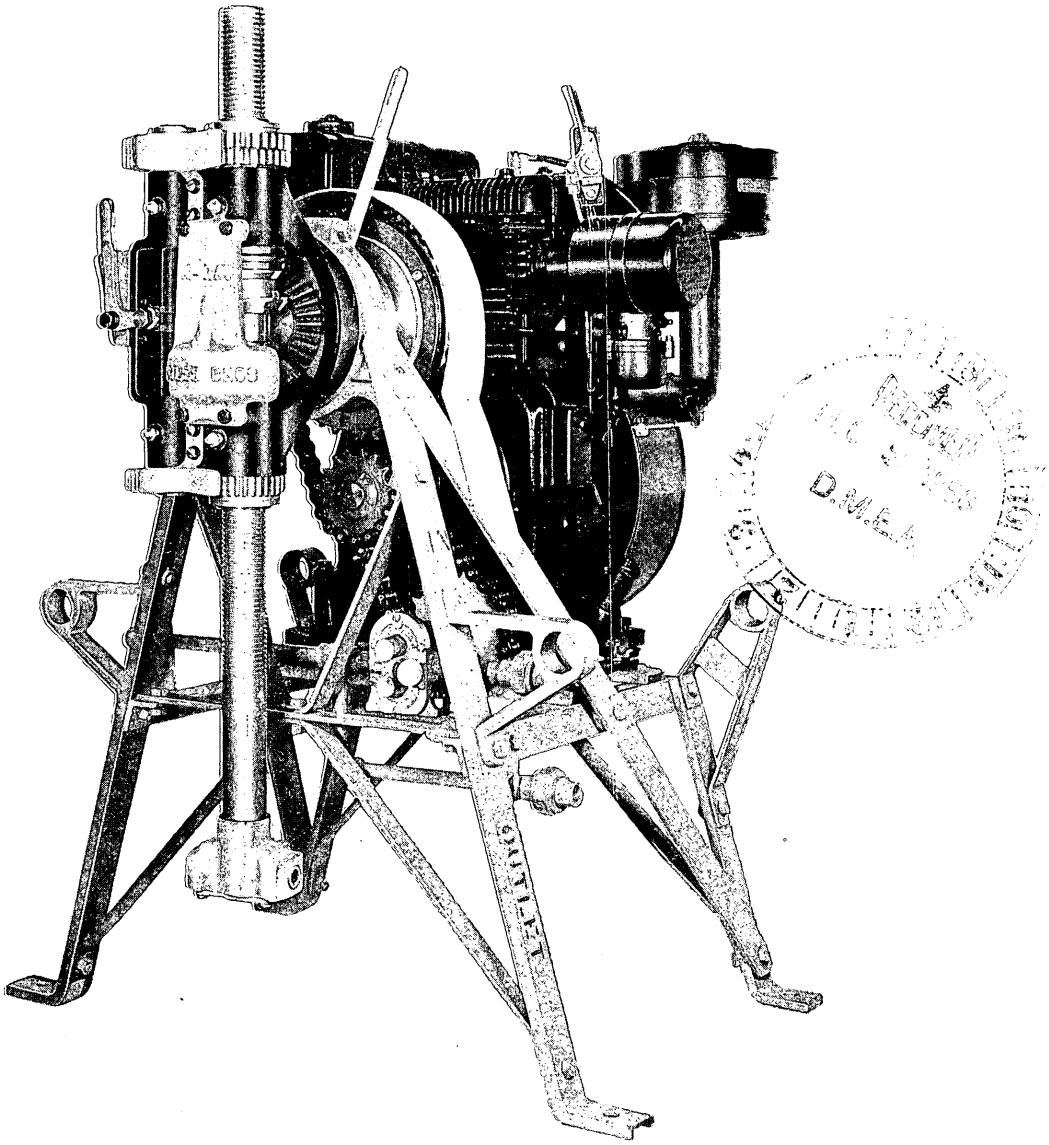
Labor — 2224.32

Cash — 1273.00

Robert A. Minotb
10208 Park
Bellflower, Calif

BOYLES BROS. D[illegible]NG COMPANY LTD.

MODEL "X-RAY" DIAMOND DRILL



GENERAL DESCRIPTION

The Model X-RAY Surface (Gasoline Powered) or Underground (Air Powered) Diamond Drill provides the prospector with the lightest and most efficient drill available for core or plug drilling in areas where overburden is not a difficult problem.

The gasoline and air motors are interchangeable and very economical in fuel and air consumption. Brackets (1⅝ inch I. D.) are mounted on the frame legs for the insertion of carrying handles. When necessary the drill can be easily dismantled into three units. The water pump is chain driven off the motor and has ample capacity for normal drilling requirements.

Where a supply pump is required to pump water to the drill site, we recommend our Model BB-360 pump. For further information, see Bulletin No. 171.

BOYLES BROS. DRILLING CO. LTD.

BO[redacted]S BROS. DRILLING COMPANY L[redacted] -:- VANCOUVER, CANADA

MODEL "X-RAY" DIAMOND DRILL

SPECIFICATIONS:

Rated Drilling Capacity:

With:

Corebarrel Type	Rod Size	Depth Capacity	Core Diameter	Hole Diameter
XRT Double Tube	XR or XRT	150′ - 200′	¾″	1-3/16″
XRT Single Tube	XR or XRT	150′ - 200′	⅞″	1-3/16″
EXK Double Tube	LE	75′ - 100′	15/16″	1½″

Motor:

	Gasoline		Compressed Air
Type	Single Cylinder, Air Cooled 4 Cycle (Briggs & Stratton)		Single Cylinder, Double Acting (Boyles Bros.)
Model	"14"	"23-FB"	"XRU"
H.P.	3¾	7	2½
Net Weight	78 lbs.	101 lbs.	50 lbs.
Fuel Consumption	1½*	2½*	60 Cu. Ft. Per Min.

(*Imp. Gallons Per 8 Hr. Shift)

Swivelhead:

Type	Screw Feed
Number of Feeds	2
Standard Feeds	300 & 550
Optional Feeds	75, 200, 400, 675, 800 & 900
Travel of Feed Screw	14″
Angle Range	360°
Chuck Speeds	Up to 1100 R.P.M.
Rod sizes (thru feedscrew)	XR (1″ O.D.) or XRT (1-3/32″ O.D.)
I.D. of Feed Screw	1⅛″
Length of Feed Screw	28″
Net Weight	36 lbs.
Drive	Roller Chain (⅝ Pitch)

Clutch:

Type	Disc

Pressure Pump:

Type	Gear
Capacity	2 Imp. Gals. Per Min. @ 100 lbs. Press.
Drive	Roller Chain (⅝ Pitch)

Dimensions:

Width	29″
Length	25″
Height	34½″

Total Net Weight:

With 3¾ H.P. Gasoline Motor	182 lbs.
With 7 H.P. Gasoline Motor	205 lbs.
With Air Motor	157 lbs.

Tools Included With Drill:

1 Chuck Wrench; 1 Crescent Wrench; 1 Setscrew Wrench; 1 Screw Driver; 1 Pair Pliers; 1 Hand Oiler; 1 Starting Rope or Crank; 1 Grease Gun.

Litho in Canada

STANCO MFGS. & SALES [redacted] 1931 FONTIUS AVENUE, LOS AN[redacted] 25, CALIF.

MODEL "X-RAY" SURFACE DIAMOND DRILL WITH XR EQUIPMENT

CORE DIAMETER: 3/4 INCHES - 19 M.M.
HOLE DIAMETER: 1-3/16 " - 30 "

The following list covers drill with equipment (excluding diamond set coring bits, reamer shells, casing bits and/or casing shoes) required for a bedrock set-up with water available at drill site:

Item Number	Qty.	Part Number	Description		
1	1		Model X-RAY Surface Diamond Drill, complete with Briggs & Stratton Model 23-FB 7 Horsepower Gasoline Engine, built-in Rotary Water Pump, X-RAY (XRT Rod Size) Gear Feed Swivelhead Assembly, Frame and Tools		$ 1,235.95
EQUIPMENT:					
2	1	X50-4	XRT 5' Double Tube Rigid Type Core-barrel Assembly with XT-9 Extension Coupling for XR Drill Rod		30.56
3	1	X70-4	XRT 7' Double Tube Rigid Type Core-barrel Assembly with XT-9 Extension Coupling for XR Drill Rod		33.12
4	1	XS-12	XR 1' Single Tube Starting Barrel ...		16.00
5	1	X-14T	XRT Corepicker		10.56
6	20	X5-15	XR 5' Drill Rods (100 feet)	@ 10.21	204.20
7	2	X1-20	XRT 1' Casing (2 feet)	@ 3.84	7.68
8	1	XO-22	XR Rod to XRT Casing Bushing		8.80
9	1	XO-28B	XRT Casing Protector (Box)		3.20
10	1	XO-28P	XRT Casing Protector (Pin)		3.20
11	1	WSO-31X	XR Waterswivel Assembly		40.00
12	1	XO-68E	XR Holding Dog (Eccentric Type)		41.60
13	2	XO-69	XR Com-a-longs	@ 8.27	16.54
14	1	XO-70	XR Lowering Iron Complete		22.88
15	1	X-104	XR Cross Chopping Bit		14.88
16	1	WH-208A	Waterswivel Hose Assembly (5/8" x 11 ft)		8.48
17	1	WH-208B	Suction Hose Assembly (5/8" x 7 ft)		6.00
18	1	XR-452	Suction Hose Strainer		2.20
19	2		Pipe Wrenches (14 inch)	@ 4.00	8.00
20	4		Lag Screws (1/2 inch x 3 inch)	@ .16	.64
21	1	TR-7	Pump Tree		10.91
22	1		Relief Valve (3/8 inch)		21.28
FISHING TOOLS					
23	1	XO-99	XR Rod and Rod Coupling Recovery Tap (Right Hand)		15.28
24	1	X-102	XR Rod Spear		13.04
				TOTAL	$ 1,775.00

ALLIED PRODUCTS 1956

STANCO MFGS. & SALES INC., 1931 FONTIUS AVENUE, LOS ANGELES 25, CALIFORNIA

You will notice with our brochure, an equipment list of items that are furnished with the Model "X-RAY" Diamond Core Drill, This equipment list ist complete with all parts necessary for drilling to a depth of 100 feet, and your price on this outfit would be $ 1,775.00. The only additional cost you would have would be in Diamond Bits. Since Diamond Bits are sold by karat weight, we can only give you an approximate cost on the Bits, which are as follows:

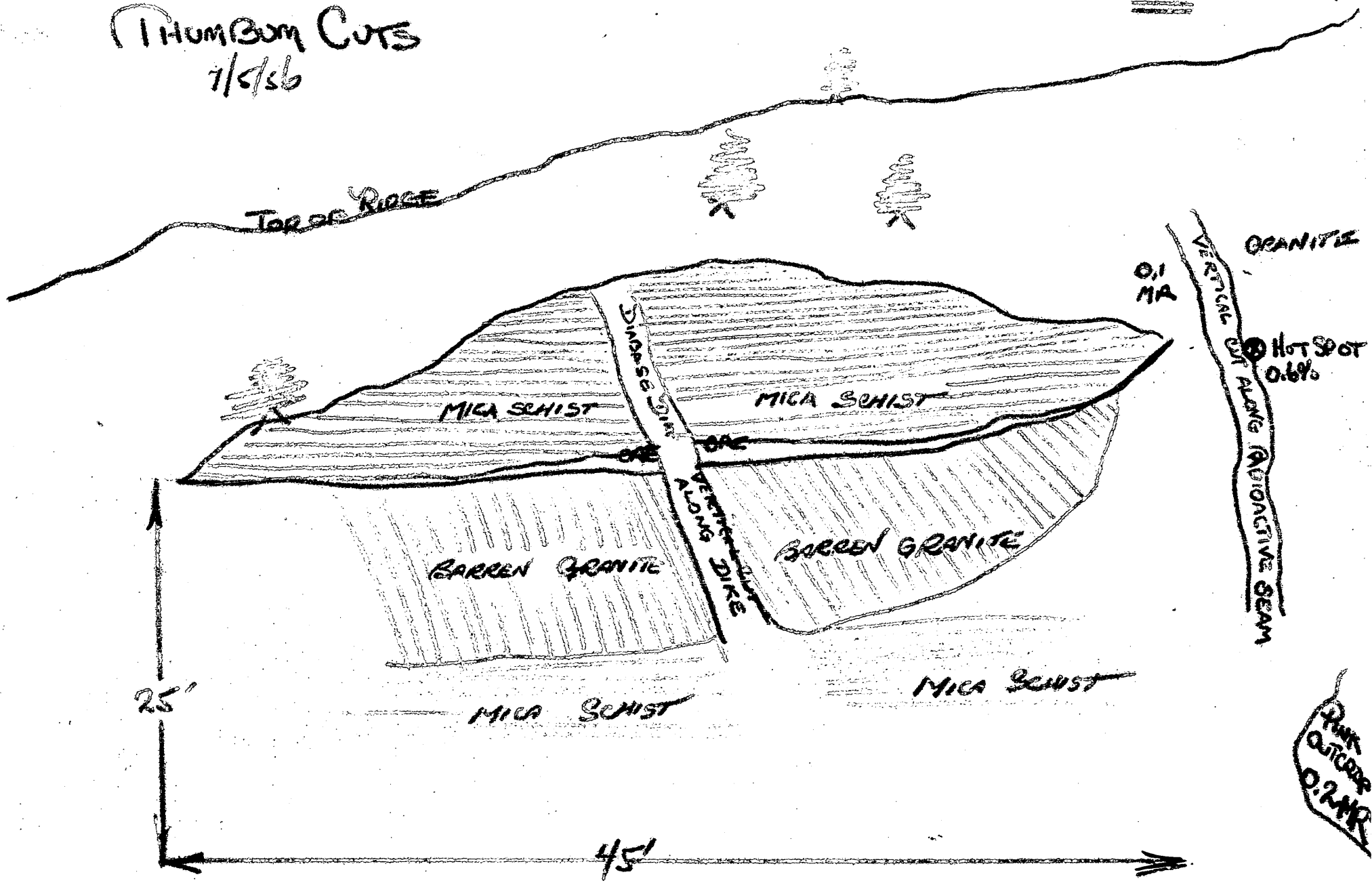
Core Bit, approximately	$ 46.00 each
Reamer Shells, approximately	36.00 each
Plug Bits, approximately	66.00 each
Casing Shoes, approximately	56.00 each

We feel that it would be necessary to have two sets of these Bits so that you can turn in one set for reclaiming when it has been used. The approximate cost for resetting and reclaiming these Bits, of course, is judged by the number of diamonds needed to bring your karat weight back to normal. It usually costs about 25 % of the original cost to have these Bits reworked. We have found that the average bit cost for drilling with the Model X-RAY is about 15 cents per foot.

DMEA

MINOTE

SIDE VIEW
THUMBUM CUTS
7/5/56



CANYON BOTTOM

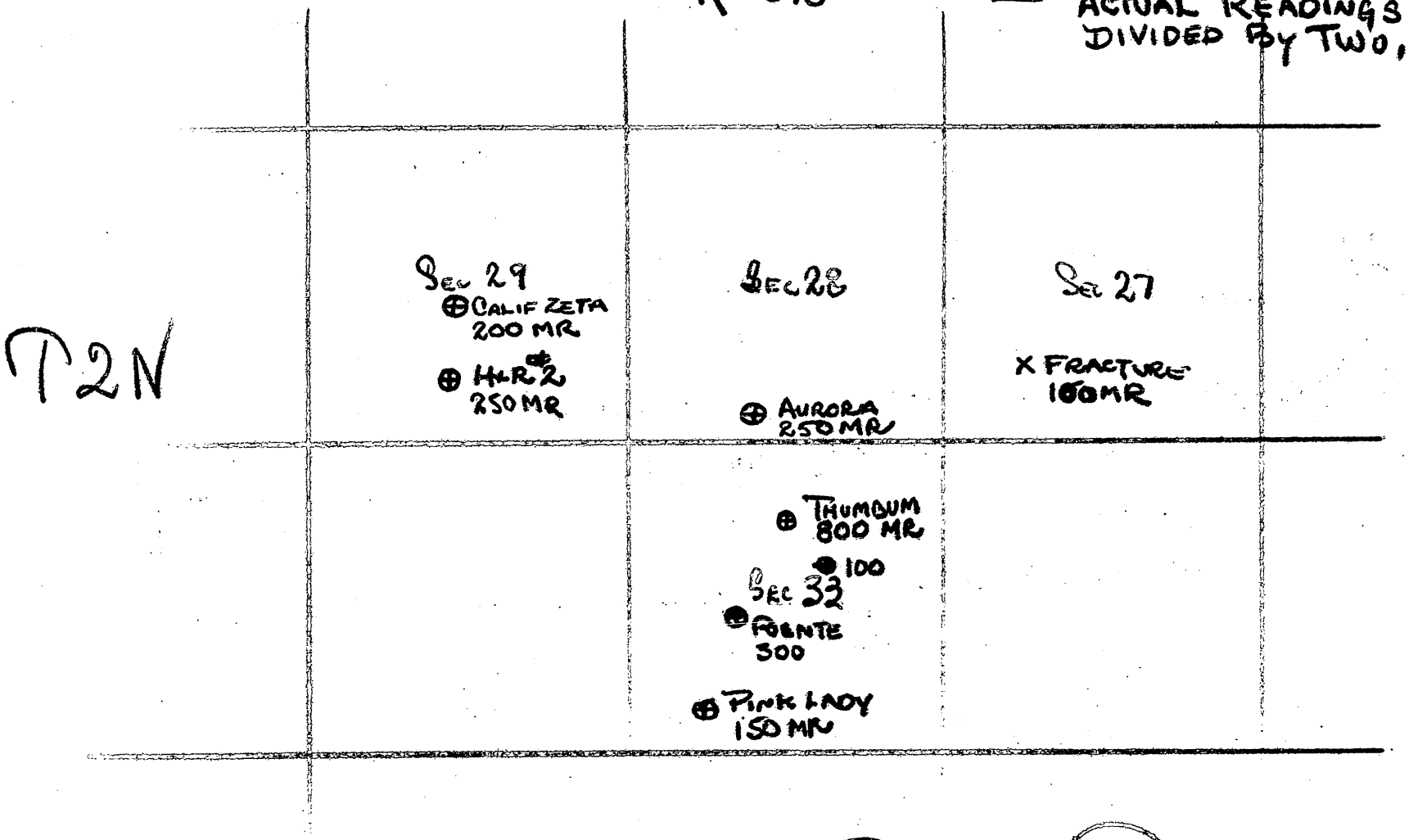
ROBT A. MINOTE
10208 PARK
BELLFLOWER, CALIF.

RAM

DMEA

⊕ DENOTES RADIOACTIVE PRIMARY OUTCROP

MR - THESE FIGURES ARE ACTUAL READINGS DIVIDED BY TWO, (OPEN PROBE)



SKETCH OF RADIO ACTIVITY
MINDTE CLAIMS
BIG BEAR CALIF. 7/5/56
RAM

ROBT A. MINDTE - 10208 PARK - BELLFLOWER, CALIF

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/24	Ching	700
"	Ella J.	700
10/25	Selfridge	130
"	Johnson	110
	Mittendorf	100
10/28	C	220
		225
10/25	Lamb	130
10/25	Williams	(130)

OCT 25 1957

Mr. Robert August Mindte
10208 Park Avenue
Bellflower, California

Re: Docket No. DMEA-4563 (Uranium)
Thumbum, et al., Claims
San Bernardino County, California

Dear Mr. Mindte:

Your letter of October 11, 1957, regarding the results of recent work on the subject property has been reviewed.

Nothing in this latest letter, nor in that of September 26, leads us to believe that the property shows promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program. All the facts available to us indicate that, while material of ore grade may be found on the property, the deposits would be too small and scattered to be of significance.

Under these circumstances, we can only reaffirm our denial of your application for exploration aid.

In accordance with your request, we are returning the letter, dated August 23, 1957, from Rare Metals Corporation of America to you.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

MChing/gla 10-24-57
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Mr. Ching
DMEA Field Team, Region II (2)

8623

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

OFFICIAL FILE COPY DMEA RECEIVED OCT 17 1957		
DATE	INITIALS	CODE
10/16	B	220
10/18	Chiny	700
		225

October 15, 1957

Memorandum

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

From: Acting Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4563 (Uranium)
Robert A. Mindte
Thumbum, et al., Claims
San Bernardino County, California

The following comments and the enclosed memorandum from Dave Warne regarding Mr. Mindte's letter of September 26, 1957 are submitted in reply to your request of October 4, 1957.

As is pointed out in the application report, by Warne and Reeves, Mr. Mindte is inexperienced in mining and quite probably is not aware of the quantity of ore-grade material that must be present to constitute a minable ore body or a reserve of national significance. Neither is he competent to accurately determine the grade and quantity of material that he removes from a test pit. His reply to the Administrator's letter of October 4, 1957, requesting copies of settlement sheets and/or assay certificates, should throw additional light on this aspect of the problem.

It appears evident that Mr. Mindte has found and mined another of the small uranium occurrences inferred to be present and described in the application report (page 5) and has mined about twenty-five tons of material to obtain about three tons of sorted ore of doubtful grade and value. It could be pointed out to Mr. Mindte that while material of this grade can be sold to the A.E.C., the cost of finding, mining, sorting, and processing the small quantity

of ore recovered far exceeds the value. Diamond drilling is quite expensive, in this area and type of rock, and the cost of the close net of drill holes necessary to find the small pods and thin seams of ore would alone exceed the ore value. Our examining geologist and engineer did not find any indications that ore bodies of minable size and grade are present on the property or in the district, nor did the air-borne reconnaissance by the A. E. C. reveal anomalous radioactivity anywhere in the area.

Roscoe M. Smith

Roscoe M. Smith
Acting Executive Officer

Oct. 14, 1957

OFFICIAL FILE COPY DMEA RECEIVED OCT 17 1957		
DATE	INITIALS	CODE

Memorandum

To: Field Team, Region II

From: John D. Warne

Subject: Docket No DMEA-4563
Robert A. Mindte
Thumbum, et al., Claims
San Bernardino County, California

In reply to Mr. Selfridge's request for Field Team comments regarding a letter from Mr. Robert A. Mindte, dated September 26, 1957, the following comments are made:

An original examination was made on January 12, 1957 by R. G. Reeves and myself, accompanied by Mr. Mindte. Due to extremely inclement weather at that time, a more thorough examination, including mapping and sampling of the deposit, was later made on March 27, 1957 by Reeves and Warne.

Analysis of a sample of the ore (ranging in thickness from one inch to four inches) was only 0.17 percent U_3O_8. The small size and indefinite attitude of the deposit offered very little target for directing diamond drill holes. The Applicant had no logical basis for the quantity of diamond drilling requested and the pattern or layout of holes was poorly conceived. Surface drilling through overburden with a small drill and inexperienced driller was considered impractical.

John D. Warne

cc: Opr. Com., DMEA, Wash., D.C.
RMSmith
File
Chron

10208 Park Avenue
Bellflower, Calif.
October 11, 1957

Mr. C. O. Mittendorf, Administrator
DMEA Dept. of Interior
Washington 25, D.C.

DMEA-4563

Dear Mr. Mittendorf:

In response to your letter of October 4, 1957, I am enclosing three assays of the same sample(spectrograph, electrical, and chemical). This assay was made from about twenty assorted chips taken from different pieces of ore in the ore bin. High count material was discarded to avoid fracture deposits. The second assay report, from the Rare Metals Corp., Tuba City, Ariz., was on a five pound sample sent to them for amenibility checks. It also was assorted grab samples from the ore box.

My letter to you of May 20, 1957 included the assay certificate of the 30.3% material. Higher assays can be obtained without difficulty from removed ore which is more radioactive than the 30% material.

No shipment has been made although a five ton truckload is available. A carload could be easily made up of the outcrops enriched by this higher grade material. Freight and handling costs make this low grade shipment(0.2%) unattractive.

Confirmation would be simple with an early inspection via newly built access roads. Winter snows will again this year make a late inspection rugged. Im also reluctant to leave the softer ores out to weather through the winter storms.

If the native rock on the Pink Lady will reach 0.1% we will enrich this and try to make a small shipment before winter.

Would appreciate the return of the letter from Rare Metals Corp. for our files

Sincerely yours,

Robt. A. Mindte

Robt. A. Mindte

OFFICIAL FILE COPY DMEA RECEIVED OCT 14 1957		
DATE	INITIALS	CODE
10/15	B	220
11	Ching	700
		225

LABORATORY CERTIFICATE

Keldon research corporation

LUdlow 3-4044

MAIL: BOX 2555 TERMINAL ANNEX, LOS ANGELES 54, CALIF. o LABORATORY: 2565 BELGRAVE AVE., HUNTINGTON PARK, CALIF.

Date August 6, 1957

Submitted By Name Mr. R. A. Mindte

Reference L.N. 17946-1

Address 10208 Park

Marking: Thumbuna Este #2

City Bellflower, State Calif.

THUMBUM ESTE #2

ELEMENT	NOT LESS THAN	NOT MORE THAN	ELEMENT	NOT LESS THAN	NOT MORE THAN
Silicon	5.0 %	50.0 %	Molybdenum	%	%
Aluminum	2.0	20.0	Vanadium	0.005	0.05
Magnesium	0.5	5.0	Lithium		
Iron	1.0	10.0	Yttrium		
Calcium	0.1	1.0	Cadmium		
Sodium	0.5	5.0	Copper	0.005	0.05
Potassium	0.5	5.0	Silver		
Tellurium			Tantalum		
Boron			Zinc		
Phosphorus			Titanium	0.1	1.0
Antimony			Zirconium		
Gold			Palladium		
Lead	0.03	0.3	Rhodium		
Tin			Ruthenium		
Chromium			Cobalt		
Arsenic			Lanthanum		
Manganese	0.01	0.1	Cerium		
Gallium	0.001	0.01	Strontium		
Germanium			Tungsten		
Platinum			Mercury		
Bismuth	0.003	0.03	Indium		
Columbium			Barium	0.01	0.1
Nickel	0.003	0.03	Uranium	Reported Separately	
Beryllium			Thorium		

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 14 1957
DATE | INITIAL | CODE

1. Percentage ranges represent the probable concentrations of the elements found to be present.
2. Fire assay is the method of choice for Gold and Platinum group elements; general spectrographic techniques are limited to ore concentration greater than one or two ounces per ton.
3. Spectrochemical analysis is only one of several factors required for the complete evaluation of an ore ~~sample; it~~ should be regarded as a "Coarse Screen" used to estimate the advisability of additional study. Economic and mineralogical considerations are also necessary for a true appraisal of the specimen.
4. Special attention: Thorium ~~Six~~ Oxide not detected less than 0.5%

TJR/t-3

Respectfully submitted,

T.J. Rollins

T.J. Rollins
Keldon Research Corporation

THE USE OF THIS REPORT FOR ADVERTISING PURPOSES MUST RECEIVE OUR WRITTEN APPROVAL

LABORATORY CERTIFICATE

Keldon

research corporation LUdlow 3-4044

MAIL: BOX 2555 TERMINAL ANNEX, LOS ANGELES 54, CALIF. ○ LABORATORY: 2565 BELGRAVE AVE., HUNTINGTON PARK, CALIF.

Date August 13, 1957

Submitted By Name Mr. R. A. Mindte

Address 10208 Park

City Bellflower State Calif.

Reference

Lab. No. 17946-1

Marking Thumbuna Este #2

THUMBUM ESTE #2

Uranium Oxide (U_3O_8) 1.0%

EQUILIBRIUM: Gamma excess

ACCURACY: Poor.

KELDON RESEARCH CORPORATION

Thomas J. Rollins

Thomas J. Rollins

TJR/lb

OFFICIAL FILE COPY
DMEA
RECEIVED Oct 14 1957
DATE | INITIALS | CODE

This is ELECTRICAL ASSAY

R.A.M.

THE USE OF THIS REPORT FOR ADVERTISING PURPOSES MUST RECEIVE OUR WRITTEN APPROVAL

LABORATORY CERTIFICATE

Keldon
research corporation
LUdlow 3-4044
MAIL: BOX 2555 TERMINAL ANNEX, LOS ANGELES 54, CALIF. • LABORATORY: 2565 BELGRAVE AVE., HUNTINGTON PARK, CALIF.

Date August 19, 1957

Submitted By Name Mr. Bob Minette

Address 10208 Park

City Bellflower, State Calif.

Reference

Lab. No. 18136-1
Marking Thumbuna Este #2 (Old L.N. 17946-1) THUMBUM ESTE #2

Uranium Oxide (U_3O_8) 1.50%

The above value is by wet assay and is a final value.

KELDON RESEARCH CORPORATION

Thomas J. Rollins

Thomas J. Rollins

TJR/t-3

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957
DATE | [illegible] | USER

SPECIMEN: 1/4 lb. OF ASSORTED CHIPS ESTE #2.
BLACK CALIBRATION SLAB READS 0.3 MR/HR
THIS 1/4 lb. ASS'T SPECIMEN READ 0.7 TO 0.9 MR
ELECTRICAL ASSAY U_3O_8 1.0%
R.A.M.

THE USE OF THIS REPORT FOR ADVERTISING PURPOSES MUST RECEIVE OUR WRITTEN APPROVAL

RARE METALS CORPORATION OF AMERICA

Texas Street at Stanton Post Office Box 1492 El Paso, Texas

August 23, 1957

Mr. Robert A. Mindte
10208 Park Avenue
Bellflower, California

Dear Mr. Mindte:

We received your sample and letter of August 15, 1957, and wish to advise that our analysis show the sample contains 1.30 percent U308. We point our however, that this was a very small sample and these results are indicative only.

We require a trial lot of 10-40 tons for proper sampling and amenability testing prior to issuance of a purchase contract. This trial lot is paid for at prices stipulated in AEC Circular 5, Revised.

Attached you will find three (3) copies of "Certificate of Ownership" which must be completed before we can accept your trial lot. Please return two (2) copies.

We will be happy to accept your trial lot of anytime, and after you establish your production conditions we will discuss a purchase contract.

Very truly yours,

/s/ S. M. Runke

S. M. Runke
Mill Superintendent

SMR/HLS/al

Enclosures

c
o
p
y

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/3	Ching	700
10/3	Ellis	700
10/4	Williams	130
10/4	[illegible]	110
"	Mittendorf	100
10/4	Selfridge	130
10/7	B	220

OCT 4 1957

Mr. Robert August Mindte
10208 Park Avenue
Bellflower, California

Re: Docket No. DMEA-4563 (Uranium)
Thumbum, et al., Claims 10/4 Lamb 225 (130)
San Bernardino County, California

Dear Mr. Mindte:

Your letter of September 26 has been noted and we are forwarding copies to our field men for their comments.

If you have shipped the ore described in your letter, it is suggested that you send us copies of the settlement sheets. If it has not been shipped, we would be interested in receiving copies of the applicable assay certificates.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

MChing/izm 10-2-57
cc: Mr. Ching
Admr.'s Reading File
THKiilsgaard, 5224
DMEA FT Reg. 2 (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/3	Ching	700
10/3	Ellis	700
10/3	GCS	130
	[illegible]	110
	[illegible]	100
10/7	B	220

225

OCT 4 1957

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

Re: Docket No. DMEA-4563 (Uranium)
Robert August Mindte
Thumbum, et al., Claims
San Bernardino County, California

Dear Mr. Ricker:

Enclosed, for your information, are two copies of a letter, dated September 26, 1957, from the Applicant to the Administrator.

As you know, the subject application has been denied. We would be interested in any comments which the Field Team may have regarding Mr. Mindte's letter.

Sincerely yours,

George C. Selfridge
(esf)
Chairman, Operating Committee

Enclosures

APPROVED:

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

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

MChing/izm 10-2-57
cc: Mr. Ching
Operating Committee
Admr.'s Reading File
THKiilsgaard, 5224

8623

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 30 1957
DATE
INITIALS
CODE

10208 PARK AVE
10206 1/2 PARK AVE
BELLFLOWER, CALIF
SEPT. 26, 1957

MR C.O. MITENDORF
ADMINISTRATOR DMEA
WASHINGTON 25, D.C.

DMEA-4563

DEAR MR MITENDORF:

PLEASE REFER TO YOUR LETTER OF MAY 28, 1957 CONCERNING MY DENIED APPLICATION DMEA 4563. IT SEEMED POINTLESS AT THE TIME TO REPORT THE 30% ASSAY, WHILE UNDOUBTEDLY "SELECT," WAS NOT TOO UNREPRESENTATIVE. IF IT PERSISTED, THE EXPLORATION LOAN WOULD BE UNNECESSARY. IF IT PINCHED OUT, THE SPECIMEN WAS TOO SELECT FOR LOAN CONSIDERATION

EXCAVATING A 10'x6'x5' HOLE ON THE SADDLE WHERE THE 30% FLOAT WAS FOUND THE FOLLOWING U_3O_8 ORE WAS REMOVED:

60 lbs – 10 TO 50%
250 lbs – 5 TO 10%
2 TONS 1 TO 1%
1 TON AUTUNITE ORES ABOUT 0.1%
4-6 TON SUB MARGINAL AUTUNITE ORES.

I CALL THIS TO YOUR ATTENTION FOR TWO REASONS:

FIRST: TO SEE IF THIS KIND

OF ORE INDICATION IS OF IMPORTANCE TO YOUR CONSIDERATION OF A POSSIBLE LOAN.

SECOND: TO PASS INFORMATION ALONG THAT MIGHT CAUSE GEOLOGISTS TO BE CAUTIOUS IN ACCEPTING THEIR TEXTBOOKS AS AUTHORATIVE ON A NOT TOO WELL UNDERSTOOD MINERAL.

COLORFUL YELLOWS, PASTEL GREENS AND ORANGES SURROUND WEB-LIKE VEINS OF BLACK-BROWN MATERIAL COUNTING WELL BEYOND THE MAXIMUM METER READING OF 20 MR/HR. THE AUTUNITE MATERIAL FLOURESCES SPECTACULARLY. - NOTHING COULD BE MORE UNEXPECTED FROM THE DRAB SURFACE INDICATIONS AND THE LOW OUTCROP COUNT OF 0.06 TO 0.1 MR/HR

I HAVE NO PROOF OF THE DEPOSIT CONTINUING. THE DRILLING EQUIPMENT WOULD HAVE BEEN OF GREAT HELP.

THE GEOLOGICAL PROBABILITY OF MAKING A SIGNIFICANT DISCOVERY ISNT AS BAD AS YOU MIGHT THINK.

RESPECTFULLY YOURS,

Peter A Mendte

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/27	Ching	700
5/27	Ellis	700
"	Matthews	100
5/28	C	220
		225

MAY 28 1957

Mr. Robert August Mindte
10208 Park Avenue
Bellflower, California

Re: Docket No. DMEA-4563 (Uranium)
Thumbum, et al., Claims
San Bernardino County, California

Dear Mr. Mindte:

Thank you for your letter of May 20, 1957, enclosing a certificate of analysis for float running 30.3% U_3O_8.

Of course, a high assay on a selected specimen of ore is not unusual. We have noted the presence of some ore-grade material on your property, but the occurrences are quite limited in size and the geological probability of making a significant discovery is not good.

We sincerely regret the necessity of denying your application.

Sincerely yours,

C. O. Mitsdorff (fw)

Administrator

MChing/izm 5-27-57
cc to: Mr. Ching
Admr.'s Reading File
THKiilsgaard, 5224
DMEA FT Reg. II (2)

8623

10208 Park Avenue

Bellflower, Calif.

May 20, 1957

Mr. C.O. Mittendorf, Administrator

DMEA U.S. Dept. of Interior

Washington 25, D.C.

DMEA-4563 Thumbum et al
S. Bernardino Co. Calif.

Dear Mr Mittendorf:

Regret that my application has been denied(your letter April 30, 1957). Also am sorry that I wasn't informed of your inspection team's visit to my claims. Would like to have cleared the cuts from the winter slides and also shown your men the high grade material recently found on the claims.

In order to complete your files, I am enclosing the spectrograph and assay of this float. Its uranium oxide content is in excess of thirty per cent. The assays are of the natural ore with no concentration.

Yours truly,

Robt. A. Mindte

Robt. A. Mindte

cc Enc 2

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24 1957

DATE	INITIALS	CODE
5/24		220
5/24		200
		225

LABORATORY CERTIFICATE

Keldon
research corporation
LUdlow 3-4044
MAIL: BOX 2555 TERMINAL ANNEX, LOS ANGELES 54, CALIF. o LABORATORY: 2565 BELGRAVE AVE., HUNTINGTON PARK, CALIF.

Date May 15,1957

Submitted By Name Mr. Robert Mindte

Reference L.A. 16737-1

Address 20203 Park

Hardingi Zone

City Bellflower, State Calif.

ELEMENT	NOT LESS THAN	NOT MORE THAN	ELEMENT	NOT LESS THAN	NOT MORE THAN
Silicon	3.0 %	30.0 %	Molybdenum	%	%
Aluminum	0.5	5.0	Vanadium		
Magnesium	0.1	1.0	Lithium		
Iron	1.0	10.0	Yttrium		
Calcium	0.3	3.0	Cadmium		
Sodium	0.1	1.0	Copper	0.001	0.01
Potassium	0.1	1.0	Silver		
Tellurium			Tantalum		
Boron			Zinc		
Phosphorus	0.1	1.0	Titanium		
Antimony			Zirconium		
Gold			Palladium		
Lead			Rhodium		
Tin			Ruthenium		
Chromium			Cobalt		
Arsenic			Lanthanum	0.1	1.0
Manganese	0.01	0.1	Cerium	0.5	5.0
Gallium			Strontium		
Germanium			Tungsten		
Platinum			Mercury		
Bismuth	0.01	0.1	Indium		
Columbium			Barium		
Nickel			Uranium		
Beryllium			Thorium		

1. Percentage ranges represent the probable concentrations of the elements found to be present.
2. Fire assay is the method of choice for Gold and Platinum group elements; general spectrographic techniques are limited to ore concentration greater than one or two ounces per ton.
3. Spectrochemical analysis is only one of several factors required for the complete evaluation of an ore sample; it should be regarded as a "Coarse Screen" used to estimate the advisability of additional study. Economic and mineralogical considerations are also necessary for a true appraisal of the specimen.
4. Special attention:

Respectfully submitted,

T.J. Rollins

Keldon Research Corporation

TJR/bs

THE USE OF THIS REPORT FOR ADVERTISING PURPOSES MUST RECEIVE OUR WRITTEN APPROVAL

LABORATORY CERTIFICATE

Kelbar

research corporation

LUdlow 3-4044

MAIL: BOX 2555 TERMINAL ANNEX, LOS ANGELES 54, CALIF. ○ LABORATORY: 2565 BELGRAVE AVE., HUNTINGTON PARK, CALIF.

Date May 27, 1957

Submitted By Name Mr. Robert Mindte

Address 10205 Park

City Bellflower, State Calif.

Reference

Lab. No.	16737-1
Marking	None
Uranium Oxide (U_3O_8)	30.3%

EQUILIBRIUM: Gamma exodes

ACCURACY: Fair.

KELBAR RESEARCH CORPORATION

Thomas J. Hilliard

Thomas J. Hilliard

TJH/lb

THE USE OF THIS REPORT FOR ADVERTISING PURPOSES MUST RECEIVE OUR WRITTEN APPROVAL

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/26	Ching	700
4/26	Ellis	700
4/29	Selfridge	130
"	Johnson	110
"	Hartenberg	100
		220

APR 30 1957

Mr. Robert August Mindte
10208 Park Avenue
Bellflower, California

Re: Docket No. DMEA-4563 (Uranium)
Thumbum, et al., Claims
San Bernardino County, California

Kiilsgaard
Lamb

Dear Mr. Mindte:

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

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

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

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

Sincerely yours,

C. D. Mittendorf (for)

Administrator

MChing/izm 4-26-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee
DMEA FT Reg. 2 (2)
THKiilsgaard, 5224

8623

Docket

Ching

April 26, 1957

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-4563

Commodity: Uranium

Applicant: Robert August Mindte
10208 Park Avenue
Bellflower, California

Property: 9 unpatented lode mining claims; Thumbum, Aurora, Puente, Pink Lady, Pink Jewel, Lost Rattler, California Zeta, Este No. 1, H & R No. 2; located in secs. 28, 29, and 33, T. 2 N., R. 2 E., S.B.M.&B., San Bernardino County, California. Applicant is the owner.

Date of Application: November 19, 1956

Amount of Application: $14,469.30

Work Proposed:

1,800 feet of core drilling to test areas of radioactivity noted on the property. Strip overburden by bulldozer at 4 outcrops. Prepare access roads by bulldozer.
Drive 50 feet of drift on Thumbum vein.
Open a 30-foot face on Puente outcrop.

Estimated Costs:

90 hrs. bulldozing @ $14.50/hr. (contract)	$1,305.00	
1,800 ft. core drilling (labor only)	3,422.00	
50 ft. drifting (labor only)	1,026.60	
Supervision & consultants	500.00	
Materials and supplies	2,626.50	
Utility building	800.00	
Equipment	4,339.20	
Miscellaneous	450.00	
Total		$14,469.30
Government Participation @ 75%		$10,851.97

Field Team Report: April 8, 1957, J. D. Warne, USBM & R. G. Reeves, USGS:

Small veinlets and pods of uranium-bearing material occur in a quartz-mica schist member of the Saragossa quartzite of Carboniferous (?) age. The ore minerals have not been positively identified but are believed to be primary uranium minerals disseminated along a radioactive zone. The deposit investigated consists of a flat-dipping, nearly circular lens about 20 feet in

diameter and less than one foot maximum thickness, lying adjacent to an altered lamprophyre dike. The lens contained about a ton of ore of which 1,342 pounds, assaying 0.2% U_3O_8, were shipped.

Three open cut excavations were made on the Thumbum claim. The largest is about 45 feet long, 15 feet wide and 12 feet deep. The above-described ore lens was exposed in this cut. A few shallow open-cut excavations were made on other claims.

A sample taken across 4 inches of mineralized vein at the bottom of the open cut on the Thumbum claim assayed 0.33% eU_3O_8 and 0.17% cU_3O_8. A sample across 1.5 feet at the bottom of a discovery pit on the California Zeta claim assayed 0.22% eU_3O_8. A sample across 2 feet at the bottom of a pit on the Pink Lady claim assayed 0.03% e U_3O_8.

No measured or indicated reserves are present on the property. The low grade and small size of the known ore body and liklihood that any other deposits found would be of similar magnitude does not encourage further exploration. The Applicant's limited experience in mining and exploration would not insure proper execution of an exploration project. It is recommended that the application be denied.

Commodity Group Comments:

Geological Survey - T. H. Kiilsgaard, April 24, 1957:

Concurs with the examiners that the ore occurrence is small and low grade and that the possibility of finding other ore bodies either of a larger size or better grade is very remote. Recommends denial of the application.

Bureau of Mines: James Paone, April 24, 1957:

Agrees with the Field Team that the application should be denied.

Rare & Miscellaneous Metals Div., Michael Ching, April 26, 1957:

The property has very little potential and the Applicant does not appear to be well qualified for exploration work.

Conclusions and Recommendations:

The chances of making a worthwhile discovery on this property are poor. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED APR 24 1957

DATE	INITIALS	CODE
4/24	C.	220
4/25	[illegible]	700

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

April 24, 1957
Re: DMEA 4563 (Uranium)
Thumbum claims
San Bernardino County, Calif.

Memorandum

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

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

Subject: Review of Field Team report

Field examiners have visited the applicant's property and found uranium mineralization to occur in a small lens along the contact between schist and an altered lamprophyre dike. They found the ore to be low in grade, and the possibility of finding other ore bodies either of a larger size or better grade very remote. They therefore recommend denial of the application.

After reviewing the report and application, I concur with the Field Team and recommend denial.

T. H. Kiilsgaard

T. H. Kiilsgaard

OFFICIAL FILE COPY DMEA RECEIVED APR 25 1957		
DATE	INITIALS	CODE
4/25	JWB	720
4/25	Chmy	700

April 24, 1957

~~4653~~ 4563

Uranium

Robert August Mindte

Thumbum, et al., Claims

San Bernardino Co., Calif.

$14,469.30

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

Field Team Report

4/8/57 4/23/57

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

April 16, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED APR 18 1957

DATE	INITIALS	CODE
4/18	C	220
		130
4/23	C	220
~~4/23~~	~~Chang~~	~~700~~

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4563 (Uranium)
Robert August Mindte
Thumbum, et al., Claims
San Bernardino County, California

Reference is made to your letter of December 21, 1956 and our memorandum of February 4, 1957 on subject docket.

Three copies received.

Enclosed are four copies of final application report by J. D. Warne, Bureau of Mines, and R. G. Reeves, Geological Survey, in which it is recommended that the application of DMEA exploration assistance be denied.

Roscoe Smith and I concur in the recommendation.

ON-SITE EXAM

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
4-22-57
(date)

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

OFFICIAL FILE COPY
DMEA
RECEIVED APR 18 1957

DATE	INITIALS	CODE
		1305
		220

APPLICATION REPORT

DMEA-4563 (Uranium)
Robert A. Mindte
Thumbum et al., claims
San Bernardino County, California

by

J. D. Warne
U. S. Bureau of Mines

R. G. Reeves
U. S. Geological Survey

April 8, 1957

Reviewed by
DMEA OPERATING COMMITTEE
4-22-57
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED APR 18 1957

DATE	INITIALS	CODE

CONTENTS

Page

Introduction 1

Conclusions and Recommendations 2

Location and Accessibility 2

Property and Ownership 3

History and Production 3

Development 3

Geology and Ore Deposits 4

Sampling 5

ILLUSTRATIONS

Figure 1 . . . . . Index map

INTRODUCTION

Mr. Robert A. Mindte, 10206 Park Avenue, Bellflower, California, applied for Government assistance in a $14,469.30 program under the Defense Minerals Exploration Administration, docket DMEA-4563, to explore for uranium on the Thumbum, et al., group of claims, San Bernardino County, California.

A field examination was made by J. D. Warne, U. S. Bureau of Mines, and R. G. Reeves, U. S. Geological Survey, on January 12, 1957, accompanied by Mr. Mindte. Further mapping and sampling of the claims was done by the examiners on March 27, 1957.

During 1954 the applicant shipped 1,342 pounds of uranium ore from a small lens on the Thumbum claim; however, additional work failed to find more ore and no recent work has been done.

Files of the Salt Lake office of the A.E.C. contain a report of reconnaissance with the following recommendation: "This area should be included in an airborne survey of the general region." Subsequent airborne reconnaissance did not reveal anamolous radioactivity in this area.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 18 1957

DATE	INITIALS	CODE

CONCLUSIONS AND RECOMMENDATIONS

Uranium-bearing ore occurs as a small thin lens along the contact between schist and an altered lamprophyre dike. The low grade and small size of the ore body, the lack of other nearby ore bodies, and the likelihood that any others that might be found would be similar in size, does not offer a suitable target for exploration assistance by DMEA.

The applicant's proposed exploration program is only vaguely outlined and his experience in mining and exploration is insufficient to insure proper execution of the work.

It is recommended that Government assistance under the DMEA program be denied.

LOCATION AND ACCESSIBILITY

The claims are located southeast of Big Bear Lake in the San Bernardino Mountain area, San Bernardino National Forest, secs. 28, 29, and 33, T. 2 N., R. 2 E., S.B.B.&M., San Bernardino County, California. They are accessible by automobile on paved and gravel roads leading a distance of 7.5 miles southeastward from Big Bear City, California.

PROPERTY AND OWNERSHIP

The property, owned by Robert A. Mindte, 10206 Park Avenue, Bellflower, California, consists of nine unpatented lode claims: Thumbum, Aurora, Pink Lady, Pink Jewell, Lost Rattler, California Zeta, Este No. 1, and the H. & R. No. 2, and Puente.

HISTORY AND PRODUCTION

Discovery and location work was performed by Mr. Mindte during 1954-55.

A single shipment of 1,342 pounds of uranium ore, which assayed 0.2 percent U_3O_8, was made to the Vitro Uranium Company, Salt Lake City, Utah, on July 14, 1954. Receipts for this shipment were $14.79 ore value, and $9.38 A.E.C. bonus (Certificate No. D.U.P. C6-C-701, dated April 2, 1956).

DEVELOPMENT

Three open-cut excavations from 20 to 45 feet in length and from 3 to 12 feet in depth were made on the Thumbum claim. The largest of these open-cuts is about 45 feet in length by 15 feet in width, and a maximum depth of 12 feet. Uranium ore was mined from the bottom of this excavation by hand chipping the mineralized zone from one-fourth inch to four inches in depth. Exploration work on the other claims consisted of a few shallow open-cut excavations.

GEOLOGY AND ORE DEPOSITS

The prospect is on the northern flank of Sugarloaf Mountain, a 10,000-foot peak in the central San Bernardino Mountains. Small veinlets and pods of uranium-bearing material occur in a quartz-mica schist member of the Saragossa quartzite of Carboniferous (?) age. The Saragossa quartzite is the youngest of three sedimentary formations and overlies the Furnace limestone of Mississippian (?) or Ordovician (?) age and the Arrastre quartzite of Cambrian age. The sedimentary rocks are intruded and metamorphosed by granitic rocks of Jurassic (?) age. Lamprophyre dikes and irregular masses and dikes of pegmatite cut the granitic and sedimentary rocks. The pegmatite is slightly radioactive but analyses indicate that it is well below ore grade. The ore is composed of uranium-bearing minerals in a gangue of quartz, orthoclase, biotite, and magnetite. The ore minerals have not been positively identified, but are "believed to be .....primary uranium minerals disseminated along the radioactive zone (1 to 4 inches thick)"[1/]. In a sample of

---

1/ Walker, G. W., Lovering, T. W., and Stephens, H. G., 1956, Radioactive deposits in California: Calif. Div. Mines Sp. Rep. No. 49, p. 23

---

radioactive material submitted to the California Division of Mines, "the radioactivity was found to be associated with yellow, orange, and gray crystal intergrowths in magnetite. The crystals were identified as altered zircon carrying thorium and some uranium. The most altered crystals (gray color) were found to be the most radioactive. The magnetite is not radioactive." The grade of the ore was 0.2 percent U_3O_8.

The ore occurred in a flat-dipping, nearly circular lens about 20 feet in diameter that was at its maximum less than a foot thick. The lens was adjacent to an altered lamprophyre dike. According to the operator, the lens contained about a ton of ore. No other ore has been found or is indicated by prospecting.

There are no measured or indicated reserves, and only a few tons of ore containing 0.2 - 0.3 percent can be inferred in occurrences along the dike, similar to the one mined.

SAMPLING

Three samples of material which indicated radioactivity were taken from open-cut excavations on the property. Locations and analyses of these samples are as follows:

Sample No.	Percent $_eU_3O_8$	Percent U_3O_8	Description
1	0.33	0.17	Chip sample across 4 in. of mineralized vein at bottom of open cut, Thumbum claim.
2	0.22	*	Chip sample across 1.5 ft. at bottom of discovery pit, California Zeta claim.
3	0.03	*	Chip sample across 2.0 ft. at bottom of discovery pit, Pink Lady claim.

*Radiometric determinations were too low to warrant chemical analysis for U_3O_8.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-4563
(Uranium)

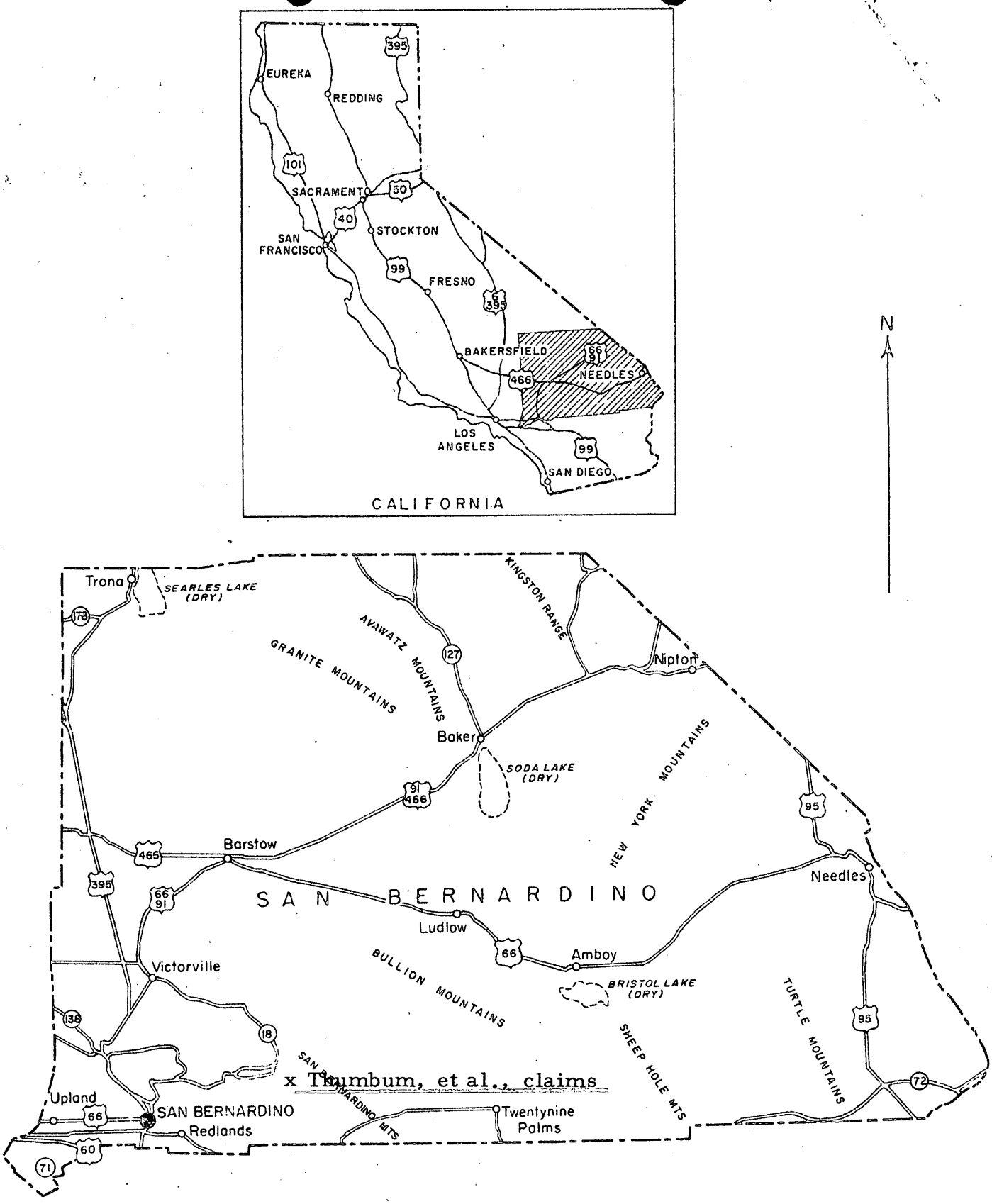


Figure I. INDEX MAP OF SAN BERNARDINO COUNTY, CALIFORNIA

0 30 60 90 Miles

DMEA

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 5 1957

DATE	INITIALS	CODE
2/5	C	220
2/5	Chang	700

Memorandum

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

1605 mEvans Avenue
Reno, Nevada

February 4, 1957

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4563 (Uranium)
Robert August Mindte
Thumbum, et al., claims
San Bernardino County, California

An attempt was made by R. G. Reeves, Geological Survey, and J. D. Warne, Bureau of Mines, to examine subject property on January 12, 1957.

Owing to unfavorable weather conditions and partially snow-covered ground, a thorough examination could not be made. Although the portion of the area examined did not look very attractive, our engineers hesitate to commit themselves until such time as a more exhaustive examination can be made.

Enclosed are two copies of our letter of February 4, 1957 to Mr. Mindte relative to our plans.

S. Ricker

Encls.

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

EXTRA COPY
DMEA

RECEIVED

DATE	INITIALS	CODE

1605 Evans Avenue
Reno, Nevada

February 4, 1957

Mr. Robert A. Mindte
10208 Park Avenue
Bellflower, California

Re: Docket No. DMEA-4563
Thumbum et al., Claims
Robert August Mindte
San Bernardino County, Calif.

Dear Mr. Mindte:

We are returning herewith maps which you supplied as supplementary information pertaining to your uranium property.

Before reaching a definite recommendation on the merit of your property, we shall have to await favorable weather conditions sometime in the spring when it will be possible to make a more detailed examination of the ground.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encls.

700

FILE COPY

Surname: Ching
Clips: Selfridge

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

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

DEC 21 1956

Re: Docket No. DMEA-4563 (Uranium)
Robert August Mindte
Thumbum, et al., Claims
San Bernardino County, California

Dear Mr. Ricker:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendation.

Copies of memoranda, dated December 10 and 14, 1956, by N. E. Nelson, USGS, and John E. Crawford, USBM, respectively, relating to the application, are enclosed for your information. Also enclosed is a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (26)

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines (26)

Thor H. Kiilsgaard

Member, Geological Survey (26)

MChing/izm 12-19-56

cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
Operating Committee

Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

R.G.R.

700

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

FILE COPY
Surname:

Ching
Ellis
Land
Selfridge
Kulsgaard

Mr. Robert August Mindte
10208 Park Avenue
Bellflower, California

Re: Docket No. DMEA-4563 (Uranium)
Thumbum, et al., Claims
San Bernardino County, California

Dear Mr. Mindte:

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

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

MCHing/izm 12-19-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
DMEA Field Team, Reg. II (2)

12-18-56

RECEIVED DEC 17 1956 D.M.E.A.

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

Date December 14, 1956

DMEA Docket No. 4563
DMEA Contract No.
Commodity Uranium
Name of applicant Thumbum, aurora et al
Name of property
Location of property San Bernadino Co., Calif.
Estimated cost of project $14,469.30

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 12/3/56. 2. Date received by reviewer: 12/11/56.

3. Prior reports on this property known to reviewer: Yes [ ] No [x]

4. Prior reports on nearby properties known to reviewer: Yes [ ] No [x]

5. Information available on past production: Yes [ ] No [x]

6. Other pertinent factors known to reviewer: Yes [ ] No [x]

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 [x]
   c. Denial [ ]
   d. Agree with Field Team [ ]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]
   i. Consult with Mr. A. E. Granger at Salt Lake City AEC office.

10. Remarks: (Use back of page if necessary) J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

12-12-56

IN REPLY REFER TO:

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

December 10, 1956

Re: DMEA 4563
Robert A. Mindte
Thumbum Prospect
San Bernardino Co. Calif.
$14,469.30 - Uranium

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring outcrops showing radioactivity and a narrow flatly dipping vein of radioactive material, the source of what is said to be the first shipment of uranium ore made from California. The shipment, 1,342 pounds, assayed 0.20% U_3O_8.

The proposed work consists of: core drilling of the numerous outcrops showing radioactivity and the vein with an X-ray core drill; bulldozing for access roads and stripping; drifting 50 feet on the main vein.

The main vein which has a dip of about 30° is exposed for 45 feet and has a mica schist hanging wall and the footwall is a pegmatitic granite sill. The vein ranges in thickness from 1/4" at the known extremities to 4" at the mid point, where it is cut by a steeply dipping diabase dike.

Samples of the main vein show from 0.3 to 0.5% U_3O_8, but as noted above, the 0.67 ton shipment assayed only 0.20% U_3O_8. A sample of a vertical seam taken by the A.E.C. assayed 0.5% U_3O_8.

Referral of the application to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

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

December 4, 1956

Mr. Robert A. Hindte
16208 Park Avenue
Bellflower, California

Subject: DMEA-4563

Dear Mr. Hindte

Your application for exploration assistance, dated November 19, 1956 submitted to our office at Reno, has been assigned Docket Number DMEA-4563 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,

(Sgd) Allen S. Dakan
Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region II. Reno, Nevada.

Code 700

6416

U. S. Government Messenger Envelope

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

1. Use blocks consecutively, one at
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROO	
Miss Rhoades Accts Bl	RUN / STOP	Mr. Wilkerson Room [redacted]	RUN / STOP
Miss Rhoades Accts Bl 5043	RUN / STOP	[redacted] 5340 Dept of the Interior Room 5340	RUN / STOP
[redacted] Foreign Health	RUN / STOP	[redacted]	RUN / STOP
Mathias Eakin 734 Interior	RUN / STOP	Miss Rhoades Room 1442 Int Bldg	RUN / STOP
Mrs [redacted] Room 2216 GSA	RUN / STOP	[redacted] 4211 Ola	RUN / STOP
Mr. Parker Room 2201 GSA	RUN / STOP	Earl Wilmarth 5218 Int Bldg.	RUN / STOP
Mr. [redacted] 2214	RUN / STOP	Mr. Martin 3538 Int.	RUN / STOP
Mr. Hodgson Room 2214	RUN / STOP		RUN / STOP
Miss Rhoades Budget + Finance 5043 Interior Bldg	RUN / STOP		RUN / STOP
Mrs [illegible] Interior 5342	RUN / STOP		RUN / STOP

Send surplus envelopes to supply room for reissue.

Use other side

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

SAN BERNARDINO COUNTY
LEGEND
PRIMARY SECONDARY CONNECTING
Hard surfaced dustless roads
Gravel, stone or crushed rock roads
Graded earth roads (inquire locally)
All other types (inquire locally)
Poor or doubtful roads
Local roads, mileage not indicated
16 - Figures indicate mileages between towns and junctions
20 - Accumulated mileages between points marked, thus:
U.S. Highway
State Highways
Airport
Cemetery
School
Mine
Spring
Public Camp Ground
CARTOGRAPHY BY W. C. KAINSINGER T. AMPHLETT
COLOR SEPARATION BY H. P. PFLUM
FIELD MAPPING BY G. M. DUCKWORTH T. AMPHLETT H. A. CLINE K. REED R. P. CONKLIN
TYPOGRAPHY BY W. R. WILLIAMS
RELIEF BY F. M. BURKE
SCALE 1:406,000
STATUTE MILES
COPYRIGHT BY
AUTOMOBILE CLUB OF SOUTHERN CALIFORNIA
2601 SO. FIGUEROA ST. LOS ANGELES
C-7451
AUTOMOBILE CLUB OF SOUTHERN CALIFORNIA
GOOD ROADS
AAA
N
S
E
W
MAP NUMBER 1995
MINOTE GROUP
INYO COUNTY
DEATH VALLEY NATIONAL MONUMENT
NAVAL ORDNANCE TEST STATION
CAMP IRWIN MILITARY RESERVATION
EDWARDS AIR FORCE BASE
KERN CO.
LOS ANGELES
MOJAVE DESERT
NEVADA
ARIZONA
RIVERSIDE COUNTY
JOSHUA TREE NATIONAL MONUMENT
MARINE CORPS TRAINING CENTER
SAN BERNARDINO NATIONAL FOREST
COLORADO RIVER INDIAN RESERVATION
FORT MOHAVE INDIAN RES.
CHEMEHUEVI INDIAN RESERVATION
MEAD NAT'L RECREATIONAL AREA
Colorado River
Lake Havasu
SODA DRY LAKE
BRISTOL DRY LAKE
CADIZ DRY LAKE
DANBY DRY LAKE
TURTLE MOUNTAINS
WHIPPLE MOUNTAINS
Trona
Randsburg
Johannesburg
Barstow
Baker
Needles
Searchlight
Nipton
Goodsprings
Jean
Kelso
Cima
Ludlow
Amboy
Victorville
Twentynine Palms
San Bernardino
Ontario
Pomona
Riverside
Redlands
Corona
Parker
Topock
Rice
Essex
Goffs
Desert Hot Springs
Davis Dam
Parker Dam