DMEA Form 9
(Rev. 5/57)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E No.____

DMEA NO. 4743

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(~~Withdrawn~~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

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

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

Folder No. 1:

Left Side

Royalty Audits 1/
Certification of Discovery
Cost Audits 2/
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Application and attachments
Envelope for maps

Right Side

Project summary
Work completed analysis
All other material filed in chronological order including the following reports if checked:

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

Additional Folders:

Left Side

Folder No.____:
Analysis of Semi-Annual Inspection Reports
Interim Summary Reports by DMEA Engineers

Right Side

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

Folder No.____: Maps (Use pocket folder or envelope.)

Folder No.____: Settlement Sheets

Folder No.____: Drill Logs

Folder No.____: Royalty material

1/ Or reports of royalty review
2/ Or cost reports of review

16592

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1605 Evans Avenue
Reno, Nevada

May 8, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 10 1957

DATE	INITIALS	CODE

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application - Uranium
Sunday Mining Co.
Sunday Mine
Mineral County, Nevada

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

S. Ricker

Encl.

BUREAU OF MINES
WASHINGTON, D. C.

MAY 10 9 15 AM '57

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED MAY 10 1957 D.M.E.A.

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. 4743
Metal or Mineral URANIUM
Date Received 5-10-57
Estimated Cost $69,050
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: Sunday Mining Co. A Nevada Corporation-818 19th St. Santa Monica, Calif.
Frank C. Fernandez, Pres 1326 Pine St. Santa Monica, California
Grover Bossert, Secretary 818 19th st. Santa Monica, California
Charles S. Row, Treas. 16915 Bollinger Pacific Palisades, 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 37 Lode Claims in Twp 5 North Range 32 East Sec. 27 & 28 Mineral County Nevada

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner of Mineral Lode 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 schedule attached.

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. See schedule attached.

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

(*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. Scheduled attached.

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

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

16—66551-1

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

(*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.

(*c*) The work will start within 30/90 days and be completed within 6/9 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper. Described equipment is on hand.
Monies to be supplied be company through loans from stockholders.

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 MAY - 2 - 57, 195 7

Sunday Mining Co.
(Applicant)

By Frank C Fernandez
President

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

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

3 (f) The following notices are recorded in the office of the County recorder of Mineral County on the dates and in the Books of Mining Locations and pages as follows:

BOOK	PAGE	DATE
16	525-526	February 9, 1955
16	528	February 9, 1955
16	522	February 9, 1955
16	526-527	February 9, 1955
16	524	February 9, 1955
16	522-523	February 9, 1955
16	522-523	February 9, 1955
16	529	February 9, 1955
16	525	February 9, 1955
16	527	February 9, 1955
16	523-524	February 9, 1955
16	540-541	February 10, 1955
16	541-542	February 10, 1955
17	350-351	April 25, 1955
17	351-352	April 25, 1955
17	352-353	April 25, 1955
17	356-357	April 25, 1955
17	353-354	April 25, 1955
17	354-355	April 25, 1955
17	355-356	April 25, 1955
17	349-350	April 25, 1955
17	105	March 18, 1955
17	445-446	May 16, 1955
17	437-438	May 16, 1955
17	436-437	May 16, 1955
17	435-436	May 16, 1955
17	106-107	March 18, 1955
17	628	June 20, 1955
17	629-630	June 20, 1955
17	106	March 18, 1955
17	626-627	June 20, 1955
18	69-70	July 5, 1955
18	485-486	Dec. 5, 1955
18	487-488	Dec. 5, 1955

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Sunray Mining Co

4(a) Stockholders are the original locators. Discovery was first made on the crest of a ridge. This ridge shows a large outcropping of uranium bearing ore. This has been trenched and blast holes dug to the extent of 12 ft. by 8 to 10 ft in diameter. Core holes have been sunk approximately 60 ft. deep around the blast holes. 8 core holes have shown consistent uranium bearing ore.

Have erected a 14 by 24 cabin and constructed 3 1/2 miles of road.

Equipment:
- 105 Cu. Ft. gas engine driven air compressor
- 2 Jack hammers
- Demo Tool Co. reciprocating core drilling rig
- E 1500 Watt Electric Power Plant
- Hose, pipe, & all necessary hand tools.
- Dodge 4 wheel drive truck.
- Radiation detection equipment.

Surface open to examination

4(b) No production. Ore reserves, true estimate not available at present time. Rough estimate 1500 ft. by 600 ft. by 60 ft.

4(c) See additional schedule attached.

4(d) Usual county dirt roads. Passable year round. Closest rail-head is Mina, Nevada-33 miles. Hawthorne, Nevada may be reached in 27 miles by an easily traveled route-18 miles graded, dirt road, - 15 miles black topped highway 10. Nearest supply Mina, Nevada, and Hawthorne, Nevada. Residence would have to be provided at mine.

4(e) Manpower available at Mina & Hawthorne, Nevada and Bishop, California. Water & power must be developed at mine. Evidence of water & development for adequate supply is indicated by water 12ft. from surface inone cor hole 62 ft. deep.

5(d) George Greve will be superintendent at the mine. 18 years mining experience. Last 5 years with U. S. Vanadium Corporation, Bishop, Calif.
Nels Sweetzer-mining engineer & geologist-excess of 50 years experience-in charge.

6(a)	900 ft. tunnel at $25.00 ft.	$22,500.00
	Core holes to further outline ore body estimate 3000 ft. @ $12.00Ft.	36,000.00
6(b)	1-Geological consultation	1,250.00
	2-Supervising engineer, per diem plus subsistence	1,800.00
6(f)	Development of water supply, pump, storage tank, buildings & access road to mine face.	4,000.00
6(g)	Maintenance, accounting, taxes, insurance.	3,500.00
		$69,050.00

Sunomy Mining Co.

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THE SUNDAY URANIUM PROPERTY

LOCATION

The Sunday Uranium property is situated in Mineral County, Nevada, approximately 20 miles in an air line Southeasterly from the town of Hawthorne. The route to the property is as follows;

Sixty-three miles from Bishop, Calif. to Basalt, Nevada on Hiway 6.

Twenty miles North from Basalt on Hiway 10. to improved County Road running Westerly.

Eight miles on County Road to the old mining camp of Marietta.

Three miles West of Marietta on an unimproved road running across the flat for six miles and three miles up a narrow canyon, in a Northerly direction, to the property.

HISTORY

The property was discovered in the fall of 1954. The Discoverers formed a small partnership to proceed with preliminary exploration among a group in Santa Monica, Calif. The group is represented by Grover Bossert, Attorney at law, 818-19th Street, Santa Monica, Calif.

At the time of the writers visit to the property, ten Mineral Lode Claims had been located along the mineralized area and the location of more claims was contemplated to entirely cover the outcrops. The owners have built a cabin at 6700 feet elevation on the flat on the Northeast end of the property accessible from the road.

REGIONAL GEOLOGY

For many miles the surrounding area consists of rugged granite hills, tho

many of them are still buried under tablelands of Tertiary volcanic flow rocks. This great granite magma cooled and solidified at great depth under Superimposed older rocks, probably of sedimentary type such as limestone, shale, etc. After the granite magma had cooled and solidified a second period of intrusion occured. This mass of rock cooled very slowly and developed a wholly coarsely crystalline structure. This mass of rock could be termed a boss as it is lenticular in shape, being some 3000 feet long, approximately 1000 feet wide in the center of the lens, tapering at both ends and without doubt extends to great depths. The surrounding older granite eroded or wore away faster than the boss which now stands up above the surrounding coutry several hundred feet high like a huge pyramid. This boss is composed of wholly crystalline feldspar and quartz almost without the dark minerals such as occur in granites and could be classified as a quartz-monzonite.

The granite magma probably originated from the same source and at approximately at the same time as the Sierra Nevada mountain range near the close of the Jurassic period approximately 130 million years ago. Millions of years of erosion completely removed the older superimposed rocks and exposed the granites and wore them into steep hills and deep canyons much as the topography is today.

This erosion endured for a period of some 100 million years until about the beginning of the Late Tertiary Era some 30 million years ago, when volcanic flows began to fill all the valleys and eventually buried even the highest hills in the area. These flows consisted of lavas, basalts, rhyolites and andesites, and probably reached an accumulative depth of not less than three thousand feet.

Several, perhaps ten million years ago erosion of these flow rocks started and has continued ever since, in some areas exposing again the old granite hills

in places and even wearing completely away in some of the deep canyons. However, on the South edge of the quartz-monzonite boss the flow rocks still cover the granite almost up to the side of the boss.

MINERALIZATION

The outcrop of the boss is rough and ragged with huge boulders and steep cliffs and no soil covering. Its direction or strike is approximately S45W.

On the Northeast end of the boss erosion has cut deeply resulting in a steep escarpment several hundred feet high. Scintillator readings were obtained across the base of this scarp and irregularly clear to the top. Many scintillator readings were along the south edge of the boss and up over the cliffs to the center of the mass. These readings showed a radioactivity up to 10 on the .5 scale and sometines that much on the 2.5 scale.

Sericitization and Kaolinization were strongly evident in theareas where the strongest radioactivity was registered. Sericitization is the alteration of feldspar to fine pearly scales occuring in small masses and upon all crystal faces throughout the feldspar. Kaolinization is the alteration of feldspar to a clay resultant. The kaolin occurs in pearly white scales and masses and its presence is an indicator of the greatest radioactivity.

URANIUM MINERALS

Two uranium minerals have been identified at the Sunday Uranium mine.

1. Torbernite; This mineral is deep green in color and occurs as thin plates on the crystal faces of the quartz crystals and as irregular inclusions throughout the feldspar. It does not usually fluoresce.

2. Autunity; This mineral is yellow in color and occurs on the seam and crack faces throughout the mineralized areas. If fluoresces to a bright yellow green color under the ultra-violet lamp.

Evaluation of the showing is impossible at this stage. Only one small cut had

been made at the time of the writers visit, and this cut was not down to bed-rock. Unfortunately, the scintillator was broken on the first morning of the visit and that was a severe handicap to further examination. No sampling was attempted because no fresh rock faces were exposed. However, the fact that the mineralization is so wide spread throughout the boss and does not occur in the surrounding granite makes the property well worth preliminary development work. The success of any exploration done upon the property will depend largely upon whether the mineralization is of primary source or secondary source. (See Notes Following)

If the mineralized areas are the result of downward percolation of ground waters carrying uranium in solution dissolved from superimposed volcanic or sedimentary rocks then the mineralized areas will probably be irregular and superficial.

If, however, the uranium minerals had their source from the boss magma and the mineralization is from a primary source the primary minerals pitchblende and uraninite should be encountered with depth. The phenomena of the seriticization, kaolinization, and the masses of red iron oxide along the contact support this primary origin. Also the minerals torbernite and autinite are usually found in the upper oxidised portions of primary originated veins. It can be said however that all uranium mines of primary origin that have had a profitable operation record are of the vein or fissure type and no evidence of this type of mineralization was observed upon the property.

DEVELOPMENT PROGRAM

The location work necessary upon each claim should be done in the immediate area of the strongest radioactivity wherever possible. Samples should be taken of the freshly exposed ore and assayed. One hundred gram samples of the ground material should be obtained from the assayer and further samples should be ground

and weighed and comparatively tested aginst the assayed samples. This can be done at the property. The methods employed are described in the book "Minerals for Atomic Energy" by Robert D. Nininger.

After the location work is accomplished upon the claims a set of drills up to 20 feet in length should be obtained and also some 1000 feet of one inch pipe and dry test holes should be drilled on the most radioactive areas. A large vacuum cleaner can be used to collect the dust and resulting samples compared with the samples already assayed. These holes should be numbered in the field and a log kept of all results obtained.

If the results of this preliminary drilling are encouraging deeper holes with other equipment could be planned. Samples offavorable content should be sent to the U. S. Bureau of Mines at Reno, Nevada, and a request made to the U. S. Geological Survey and the A. E. C. for their assistance in evaluating the property.

SALE OF PROPERTY

It is recommended that the property be presented to some of the large mining companies that are interested in Uranium, such as U. S. Vanadium, Anaconda Copper, Climax Uranium, etc. and if they express their willingness to do drilling or development work a deal favorable to themshould be entered into on a lease and option basis. This deal should not demand a large payment down as that can't be obtained upon a prospect but should demand monthly work requirements for the first year and after that ten to fifteen per cent gross royality with minimum monthly royalities over a period of years.

Respectfully submitted

January 12th. 1955

N. W. Sweetse, E. M.

P. O. Box 445, Rosamond, Calif.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Building 213, Naval Gun Factory
Washington 25, D. C.

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DATE	INITIALS	CODE

Date: October 5, 1956

Laboratory Report

Laboratory No.: AW-5844, RMM-857

Weight: 9 lbs.

Source: none given

Mr. Frank C. Fernandez
c/o Sunday Mining Company
1501 Colorado Avenue
Santa Monica, California

Type of material: (1) rhyolite porphyry with staffelite and autunite, (2) rhyolite porphyry with autunite, and (3) fragments of rhyolite porphyry with autunite

Results of examination (✓ applicable; na not applicable):

1. na Radioactivity is low; the material is currently of no value as a source of uranium.

2. na Minerals indicate they are from a pegmatite. The radioactivity is Many deposits of this type contain small concentrations of radioactive minerals but very few contain them in quantities sufficient to justify mining for radioactive constituents alone.

3. na Equivalent uranium by radioactive determination is xxxxxxxxxxxxxxxxxx%.

✓ 4. ✓ Uranium by chemical analysis (true value) is 0.38, 0.23, and 0.66, respectively%. See attached circulars for ore specifications. (percent U_3O_8 = 1.17 X percent U)

5. na Excess of equivalent over chemical uranium (true value) indicates the higher radioactivity value is caused by thorium or other radioactive elements. No Government schedule exists now for general purchase of thorium-bearing minerals and ores, although thorium may some day be in demand for the Atomic Energy program. See attached explanation of "equivalent uranium".

✓ 6. ✓ The information requested on the attached form would be appreciated, especially location, size, and type of deposit from which the sample was taken. A stamped and addressed envelope is included for your convenience in sending it to Mr. A. P. Butler, Jr., U. S. Geological Survey, Bldg. 25, Denver Federal Center, Denver, Colorado. This information will be kept confidential.

Material submitted will be held for a period of 30 days from the above date after which it will be discarded unless return is requested.

Please refer to the above number if you should have occasion to write about this material or report.

Sunday Mining Co

Approved: Hugh H. Waesche
Liaison Officer
Atomic Energy Commission Program
Geochemistry and Petrology Branch

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF RAW MATERIALS
Salt Lake Exploration Branch

ADDRESS REPLY TO:
U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

AND REFER TO:
SLEB:vh

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DATE | MINING | CODE

October 28, 1955

Mr. Grover Bossert
818 - 19th St.
Santa Monica, Calif.

Dear Mr. Bossert:

Reference is made to the samples which you submitted to the U. S. Bureau of Mines at Reno, Nevada for assay recently. The pulps were forwarded to this office for chemical assay, and a copy of the laboratory report is enclosed for your information and retention.

The samples which were analyzed for you are of interest to the Atomic Energy Commission, and we would appreciate receiving further information regarding the location of the property from which the samples were taken and the approximate tonnage that they might represent. Enclosed for your convenience in supplying this information is our Form 95 and a self-addressed franked envelope which requires no postage.

If we can be of further service to you, please feel free to call on us.

Very truly yours,

Ernest E. Thurlow

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

Enclosures:
1. Chem Lab Rep #477
2. Form 95 w/envelope

cc: H. E. Nelson w/cpy lab rep
DRM, Washington

Sunray Mining Co.

0-808
(March 1947)

AEC No. 1109
Date to BOM 10/7/55

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 477

Report to Mr. E. E. Thurlow (AJR)

Chemical Laboratory Report
1095

Date reported October 19, 1955

Date received October 18, 1955

Serial No.	DESCRIPTION	Lot No.	eU_3O_8		eU_3O_8
52750	Pulp (Bessert)	1344	0.173		0.10
52751	"	1398	0.175		0.12
	Taxpayer Sample				

% eU_3O_8 (radiometric analysis) represents total radioactivity from all elements.
% eU_3O_8 (chemical analysis) represents actual uranium content.

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AEC
SALT LAKE CITY, UTAH

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Sunday Min'g. Co.

Signed Heber L. Peterson

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 East 1st South
Salt Lake City 1, Utah

9/22/55

Grover Bossert
Attorney at Law
818 Nineteenth St.
Santa Monica, California

COPY

RADIOACTIVE SAMPLE REPORT

Sample Reference No. UP-5138-2

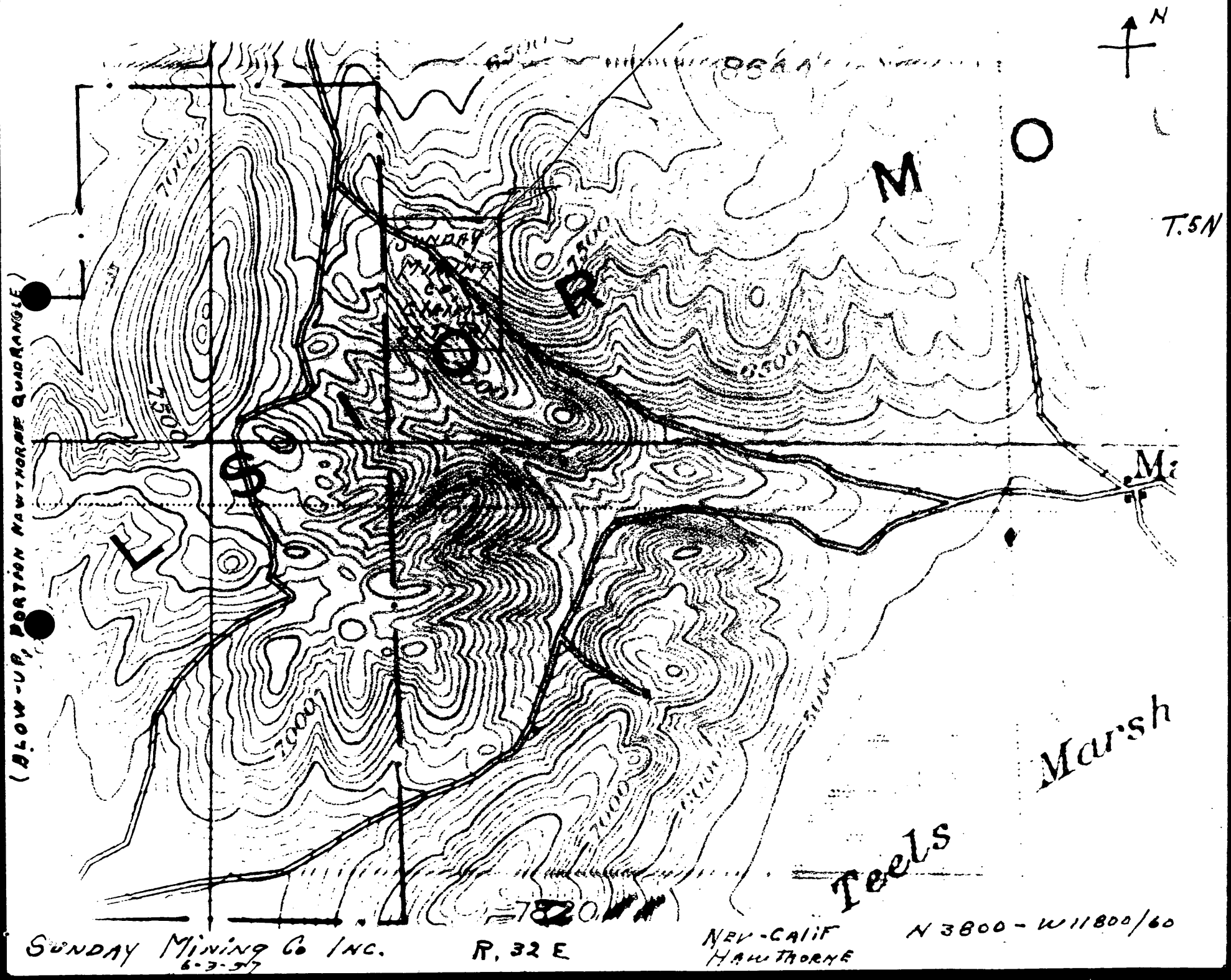
Name and Location of Property: Mineral County, Nevada
Sunday Mining Group

Nature and Analysis of Sample:
Radiometric analysis indicated:
Sample No. 1 0.31% U_3O_8 equivalent
Sample No. 2 0.18% " "
Sample No. 1 consists of meta-torbernite with gangue minerals of quartz, opal, feldspars, limonite, barite, and volcanic glass. Radiometric analysis indicated this sample is out of balance and might contain more or less U_3O_8 than is indicated by the above results. A chemical analysis should be obtained to determine the true percentage of uranium in this sample.
Sample No. 2 consists of quartz, feldspar, and clay in association with the uranium mineral, zeunerite.

Examined by: R. G. Anderson
Petrographer

Signed Harold L. Gibbs
HAROLD L. GIBBS
Metallurgist (General)

Sunday Mining Co


N
T.5N
M
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S
L
SUNDAY MINING CO. CLAIMS
7500
7000
8500
7820
Marsh
Teels
(BLOW-UP, PORTION HAWTHORNE QUADRANGLE)
SUNDAY Mining Co INC.
6-3-97
R. 32 E
NEV-CALIF
HAWTHORNE
N 3800 - W 11800/60

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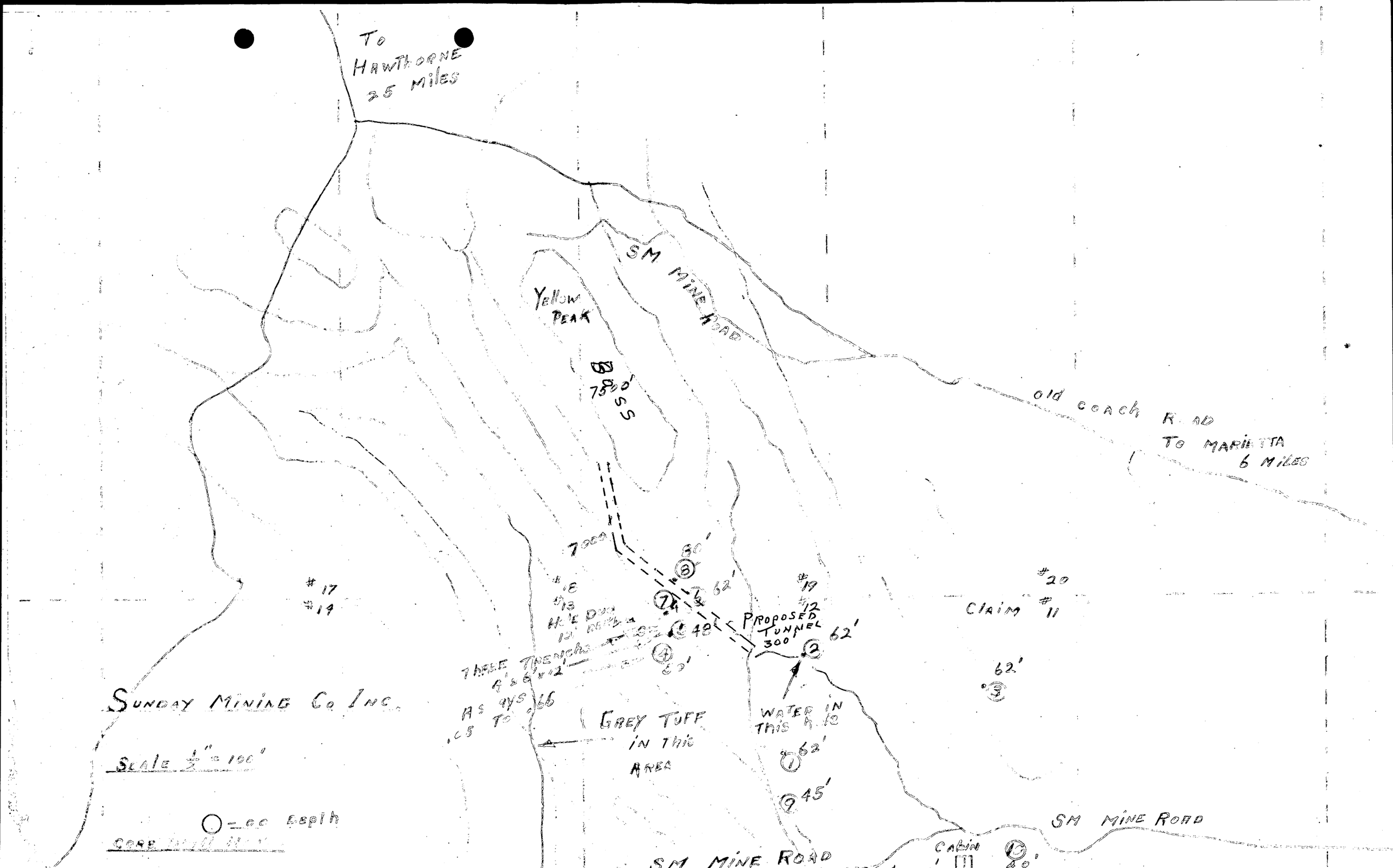
D S E A
DATE | PURPOSE | CODE


To Hawthorne 25 Miles
SM Mine Road
Yellow Peak
7500'
Old Coach Road To Marietta 6 Miles
7000
80'
62'
#18
#13
#19
#12
#20
#11
Claim
Proposed Tunnel 300'
48'
62'
Three Trenches
62'
Sunday Mining Co Inc.
Grey Tuff in this Area
Water in this hole
62'
45'
Scale 1/2" = 100'
= 00 depth
SM Mine Road
Cabin
40'
#17
#14

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RECEIVED JUN 10 1957

DATE	INITIALS	CODE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9-4	Knouse	700
9-4	Ellis	700
9/6	Selfridge	130
		~~110~~
		~~700~~
		~~512~~
		~~220~~
9/6	Kiilsgaard	130
9/6	Bishop	130
9/9	P	220
		225

SEP 6 1957

Mr. Frank C. Fernandez, President
Sunday Mining Company
818 - 19th Street
Santa Monica, California

Re: Docket No. DMEA-4743 (Uranium)
Sunday Claims
Mineral County, Nevada

Dear Mr. Fernandez:

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,

Frank E. Johnson
ACTING Administrator

FLKnouse/izm 9-4-57
cc to: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. 2 (2)

8623

Docket

Kuoyce Ellis

September 4, 1957

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: 4743

Commodity: Uranium

Applicant: Sunday Mining Company (Nevada Corporation)
818 - 19th Street
Santa Monica, California

Property: Consists of 37 unpatented lode mining claims. (Sunday Mining Claims). (Claim numbers are not specified).

Property Rights: Owner

Date of Application: May 2, 1957

Amount of Application: $69,050.00

Referred to Region II: June 24, 1957

Field Examination made: July 9 and 10, 1957

Field Team Report received: August 22, 1957

Work Proposed: Consists of 900 feet of tunnel (adit drift and crosscut) and 3,000 feet of core drilling to explore a large radioactive-uranium-bearing zone in quartz-monzonite.

Estimated Costs:

900 ft. tunnel @ $25/ft.	$22,500.00
3,000 ft. core drilling @ $12/ft.	36,000.00
1 Geologist-consultant	1,250.00
2 Supervising engineers plus expenses	1,800.00
Development of water supply, buildings and access roads	4,000.00
Maintenance, accounting, taxes & Insurance	3,500.00

Estimated Total Cost of Project $69,050.00
Government Participation @ 75% $51,787.50

Field Team Report - dated August 16, 1957 by H.W. Jones, USBM & J.E. Carlson, USGS:

The oldest rocks in the claim area are quartz-monzonite of Jurassic age that contain small aplitic lenses and micro-pegmatite. It is intruded by a dike consisting of andesitic agglomerate and breccia.

Uranium deposits consist of thin films of metatorbernite and limonite along fractures in the breccia. Lesser amounts of metatorbernite occur as films coating fractures in the quartz monzonite and in the agglomerate. None of the films exceed 1 mm. in thickness.

The mineralized area has been explored by three shallow pits about 12 feet deep, and ten shallow core drill holes near the surface showings, but the cores were not logged.

Seven samples cut from the most radioactive exposures in the test pits contained 0.01 to 0.11% eU_3O_8. Samples from the same test pits that were assayed by the Applicant contained 0.05 to 0.66% eU_3O_8. It is probable that the Applicant's samples were selected from the thin films. According to the Applicant, the pits contained the best showings on the property. Five samples taken by the AEC contained 0.01 to 0.04% eU_3O_8. In addition the Applicant submitted drill core to the Union Carbide Nuclear Company and eleven sample results of the highest radiometric count showed 0.01 to 0.03% eU_3O_8.

Concentrations of uranium-bearing material found by the test pits and drill holes are too small, widely-scattered, and low-grade to be economically mined. There is no geological evidence to indicate the presence of higher grade or larger deposits at depth or elsewhere on the property. Therefore, the application for exploration aid should be denied.

Comments of Commodity Members:

USBM - dated August 27, 1957 - James Paone:

Agrees with the Field Team.

USGS - dated August 29, 1957 - W. P. Williams:

"The examining team report that the applicant's property is unfavorable for the presence of important, undiscovered uranium ore deposits. They describe how the small deposits on the property are found as concentrations of metatorbernite and other secondary uranium minerals along joints and fractures in a dike rock.

"The examining team state that they could find no geologic evidence that would indicate the presence of large, hidden ore deposits on the property.

"The examining team recommend denial of the application because of the unfavorable geologic features of the property; and I agree with their decision."

Div. of Rare & Misc. Metals, F.L. Knouse, Sept. 4, 1957:

> The nature of the uranium occurrences, small, widely-scattered, and low-grade, indicates the probability of making a "significant discovery of uranium on the property" not promising. Therefore, the application should be denied.

Conclusions and Recommendations:

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

Ernest Wm. Ellis

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

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DMEA
RECEIVED 1957
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700
Complete

IN REPLY REFER TO:

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

August 29, 1957

Memorandum

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

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

Subject: Review of field examination report, DMEA 4743 (uranium), Sunday Mining Company, Sunday claims, Mineral County, Nevada

The examining team report that the applicant's property is unfavorable for the presence of important, undiscovered uranium ore deposits. They describe how the small deposits on the property are found as concentrations of metatorbernite and other secondary uranium minerals along joints and fractures in a dike rock.

Test pitting and diamond drilling by the applicant failed to find ore of economic amount and grade. Of a total of 23 samples, taken by the examining team, the AEC, and the applicant, the best assay was only 0.11 percent eU_3O_8. No ore has been shipped from the property.

The examining team state that they could find no geologic evidence that would indicate the presence of large, hidden ore deposits on the property.

The examining team recommend denial of the application because of the unfavorable geologic features of the property; and I agree with their decision.

W. P. Williams

W. P. Williams

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Memorandum		

[illegible]
[illegible]
[illegible]
Washington 25, D. C.

Date: August 27, 1957

DMEA Doc. & No. 4743
DMEA Contract No.
Commodity Uranium
Name of applicant Sunday Mining Company
Name of property Sunday Claims
Location of property Mineral County, Nevada
Estimated cost of project $69,050.00

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Field Team Report
(Application [illegible])

1. Date of application: 8/16/57. 2. Date received by [illegible]: 8/26/57

3. Prior reports on this property [illegible] to review: Yes [ ] No [ ]

4. Prior reports on nearby properties [illegible] to review: Yes [ ] No [ ]

5. Information available on [illegible] promotion: Yes [ ] No [ ]

6. Other pertinent factors [illegible] to review: Yes [ ] No [ ]

7. Explain items marked yes above:

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

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [ ]
   c. Denial [x]
   d. Agree with Field Team [x]
      1. Consult with Mr. _____ [illegible]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examiner [ ]
   h. Approval [ ]
   [illegible] AEC office:

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

DMEA

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

August 20, 1957

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4743 (Uranium)
Sunday Mining Company
Sunday Claims
Mineral County, Nevada
(Your letter, June 24, 1957)

Enclosed are three copies of a report by H. W. Jones, Bureau of Mines, and J. E. Carlson, Geological Survey.

Roscoe Smith and I concur in the recommendation that the application for DMEA exploration aid be denied.

S. Ricker

Attachments

ON-SITE EXAM

OFFICIAL FILE COPY
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RECEIVED AUG 22 1957

DATE	INITIALS	CODE
8-22	C	220
		130
8/26	Q	220
"	FLK	700

Reviewed by
DMEA OPERATING COMMITTEE
8-26-57
(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 AUG 22 1957
DATE | INITIALS | CODE
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220

APPLICATION REPORT

DMEA-4743 (Uranium)
Sunday Mining Co.
Sunday claims
Mineral County, Nevada

by

H. W. Jones
U. S. Bureau of Mines

J. E. Carlson
U. S. Geological Survey

August 16, 1957

Reviewed by
DMEA OPERATING COMMITTEE
8-26-57
(date)

CONTENTS

	Page
Introduction	1
Conclusions and Recommendations	1
Location, Accessibility, and Local Resources	2
History, Property, Development and Production	3
General Geology	3
Mineral Deposits	5
Sampling	6
Ore Reserves	8

ILLUSTRATIONS

Figure 1 . . . . . Index map

2 . . . . . Geologic map

INTRODUCTION

The Sunday Mining Co., a Nevada corporation, 818 - 19th Street, Santa Monica, California, applied for Government assistance in a $69,050.00 program under the Defense Minerals Exploration Administration, docket DMEA-4743, to explore for uranium on the Sunday claims, Mineral County, Nevada.

A field examination was requested by the Operating Committee, and was made by Henry W. Jones, U. S. Bureau of Mines, and John E. Carlson and Roscoe M. Smith, U. S. Geological Survey, on July 9 and 10, 1957. Frank C. Fernandez and George G. Greve represented the company during the examination.

A Brunton and tape survey was made of the area immediately surrounding the workings. Seven samples of the mineralized material were taken.

CONCLUSIONS AND RECOMMENDATIONS

The Sunday uranium deposit consists of small concentrations of metatorbernite and other secondary uranium minerals along joints and fractures in a dike of andesite agglomerate and breccia that cuts quartz monzonite. Results of the examination indicate that the deposit may contain small concentrations of low grade material similar to those exposed in outcrops and test pits. The material is

too low in grade, however, to be economically mined, and there are no indications that the deposit will be larger or of higher grade at depth. We recommend that Government assistance under the DMEA program be denied.

LOCATION, ACCESSIBILITY, AND LOCAL RESOURCES

The Sunday mining claims are in secs. 27 and 28, T. 5 N., R. 32 E., M.D.B.&M., Marietta mining district, Mineral County, Nevada (fig. 1). The claims are on the south slope of the Excelsior Mountains surrounding a prominent mountain known as Yellow Peak, at altitudes ranging from 6,000 to 7,000 feet.

The property is reached by travelling south from Mina, Nevada, along U. S. Highway 95 for 7 miles to the junction of State Highway 10, then right on Highway 10 for 4.5 miles. Turn right (west) and follow an improved gravel road 9.2 miles through the old town of Marietta. Bear right on the main travelled road, up a narrow mountain wash for 5.2 miles, then left 0.3 mile to the mine camp. The road is passable throughout the year to all vehicles.

Labor, operating equipment, and supplies are obtainable at Hawthorne. Water must be hauled from wells at Marietta. Housing for a crew of four men is available at the mine. The nearest railroad siding is 26 miles from the property, at Mina.

HISTORY, PROPERTY, DEVELOPMENT, AND PRODUCTION

The deposit was discovered by George G. Greve in the fall of 1954. A small group of businessmen from Santa Monica became interested in the property, and they, with Mr. Greve, formed a closed corporation.

The property consists of 37 unpatented lode mining claims, recorded by the applicant at the Mineral County Courthouse, Hawthorne, Nevada.

The mineralized area was explored by three shallow pits, the deepest of which is about 12 feet. Ten shallow diamond drill holes were drilled by the applicants on and near the surface showings, but the core was not logged. A 14 by 24-foot cabin was erected on the claims.

There has been no production from the explored area.

GENERAL GEOLOGY

The oldest rock in the claim area is quartz monzonite of Jurassic age that contains small aplitic lenses and micro-pegmatite. It is intruded by a dike consisting of andesitic agglomerate and breccia. The andesite has been correlated with the Gilbert andesite of Pliocene (?) age[1/].

1/ Ross, D. C., (in preparation), Geology and mineral deposits of Mineral County, Nevada: U. S. Geol. Survey Bull.

The quartz monzonite is stained light yellow-brown by iron oxide and locally contains nearly spherical inclusions of limonitic material as much as one foot in diameter. Cavities in the quartz monzonite as much as 5 feet in diameter and circular in cross section are probably due to selective weathering in soft zones by wind-blown sand, or to the leaching of limonitic inclusions. Texture ranges from aplitic to micro-pegmatitic. Individual quartz and feldspar grains are as much as one-half inch in diameter.

The dike, wedge-shaped in plan (fig. 2), consists of andesite agglomerate and gray andesite breccia. The agglomerate has a reddish-brown ground mass and contains angular to rounded fragments as much as 4 inches in diameter. These fragments are reddish-brown to black, very fine grained andesite, and some are basaltic in composition. The breccia has a light pinkish-gray ground mass and contains angular to rounded fragments about 1 mm. in diameter. These fragments are dark brown to black and are andesitic or basaltic in composition.

The strike of the contact between the quartz monzonite and the dike is easterly, but the dip of the contact could not be determined with certainty. A northwesterly dip on the north contact was inferred from the log of drill hole No. 2 (fig. 2) in which breccia was encountered at 40 feet.

The rocks are cut by many small fractures a few inches to a few feet apart. Displacement along them is a few inches at most, and their widths range from a fraction of a millimeter to several millimeters. The strike of the major fractures is generally north and the dip is generally west.

MINERAL DEPOSITS

The uranium deposits consist of thin films of metatorbernite (hydrous copper uranium phosphate) and limonite along fractures in the breccia. Lesser amounts of metatorbernite occur as films coating fractures in the quartz monzonite and in the agglomerate. None of the films exceed 1 mm. in thickness. Ross[1/] found that

---

1/ Ross, D. C., op. cit.

X-ray powder diffraction patterns of this mineral also show peaks that probably represent cuprosklodowskite (hydrous copper uranium silicate).

There is no evidence of hydrothermal alteration of the rock containing the uranium minerals. Samples of mineralized rock thought by the applicants to be of disseminated type were found to contain these minerals in minute fractures rather than as disseminations, thus arguing for secondary deposition.

The structural control is obscure and projection of possible mineralized trends is hazardous. Horizontal lineation in the mineral filling the fractures was observed in several exposures, and may indicate deposition by slowly rising or descending levels of mineralizing solutions that had an essentially lateral movement. Drill Hole No. 2 contained magnesia-rich water at a depth of 12 feet.

Samples cut from the most radioactive exposures in the test pits contained 0.01 to 0.11 percent eU_3O_8. Samples from the same test pits assayed by the applicant contained 0.05 to 0.66 percent eU_3O_8. It is probable that the applicant's samples were selected from the thin films. According to the applicant, the pits shown on figure 2 contain the best showings on the claims.

SAMPLING

Seven samples of the most highly radioactive material were taken and the sample locations are shown on figure 2. The thickness and equivalent uranium content are as follows:

Sample No.	Thickness, feet	Grade, Percent eU_3O_8
488	3.0	0.02
489	1.0	0.04
490	1.7	0.03
491	3.0	0.01
492	3.6	0.02
493	1.0	0.11
494	2.0	Trace

Sample No. 493 was taken from the area of highest radioactivity on the claims (a high geiger counter reading of 1.0-1.3 mr/hr. over a background of 0.04 mr/hr.).

Five samples taken by the U. S. Atomic Energy Commission's representatives assayed as follows:

Sample No.	Grade, Percent eU_3O_8	Description
1615	0.01	3.0-ft. horizontal chip sample
1616	0.01	3.0-ft. horizontal chip sample
1617	0.04	3.0-ft. horizontal chip sample
1618		Zeunerite
1619	0.04	3.0-ft. horizontal chip sample

The applicant submitted drill core to the Union Carbide Nuclear Company branch office at Reno, Nevada, for analyses. Samples having low radiometric readings were not assayed. Samples having a higher radiometric count are listed below:

Sample No.	Grade, Percent eU_3O_8
451	0.03
452	0.02
456	0.03
457	0.02
458	0.02
460	0.02
463	0.01
465	0.03
468	0.01
470	0.01
472	0.01

The drill hole numbers and intervals were not listed with the sample data, nor could these data be obtained from the applicant.

ORE RESERVES

There are no reserves of ore grade (over 0.2 percent U_3O_8) material at the Sunday deposit.

Concentrations of uranium-bearing material found by test pits and drill holes are too small, widely-scattered, and low grade to be economically mined. There is no geologic evidence to indicate the presence of higher grade or larger deposits at depth or elsewhere on the claims. The cost of exploration of any of the mineralized areas would probably exceed the value of uranium-bearing material recovered.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-4743
(Uranium)

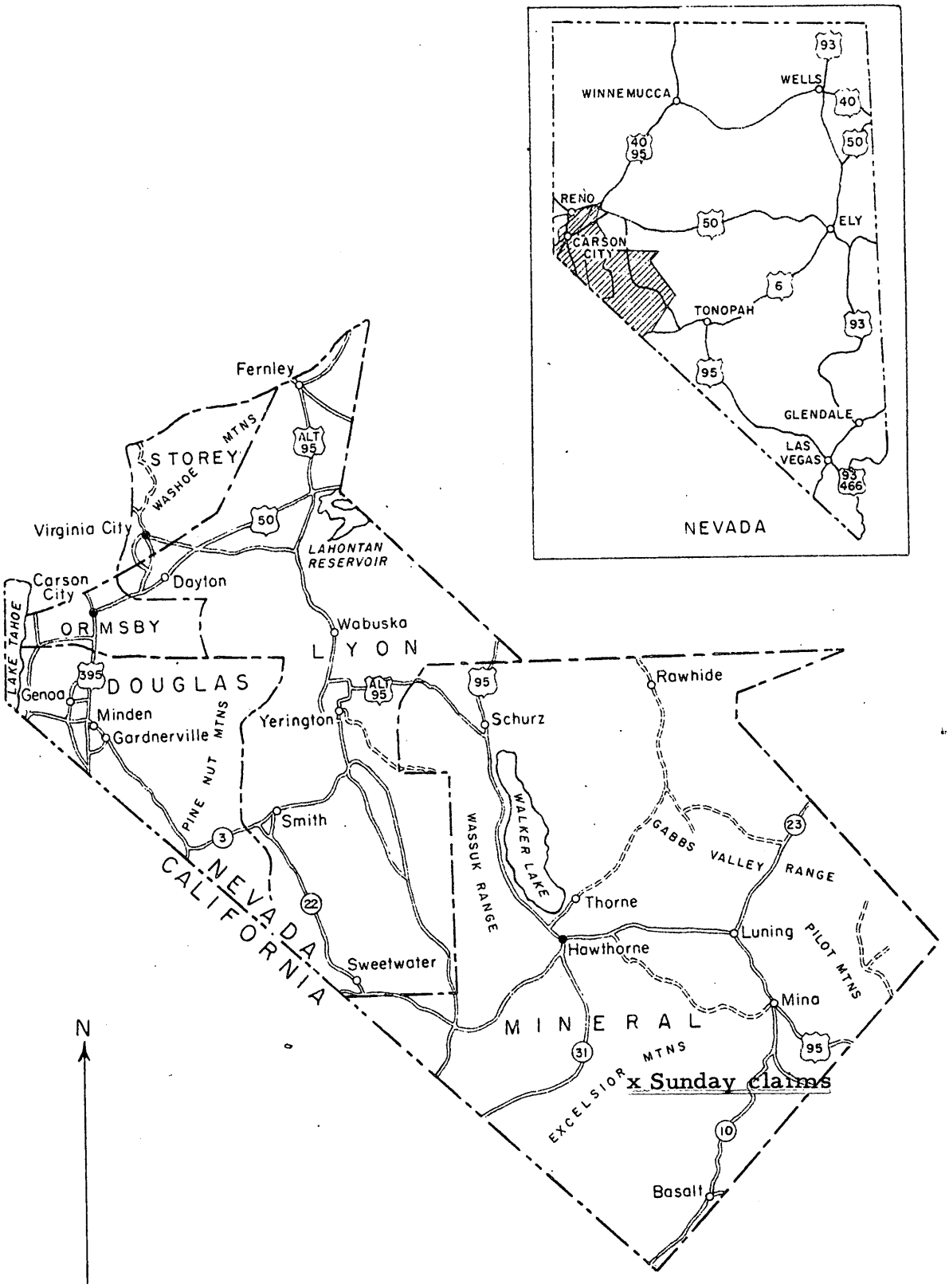

Figure I. INDEX MAP OF STOREY, ORMSBY, DOUGLAS, LYON, AND MINERAL COUNTIES, NEVADA

0 20 40 60 MILES

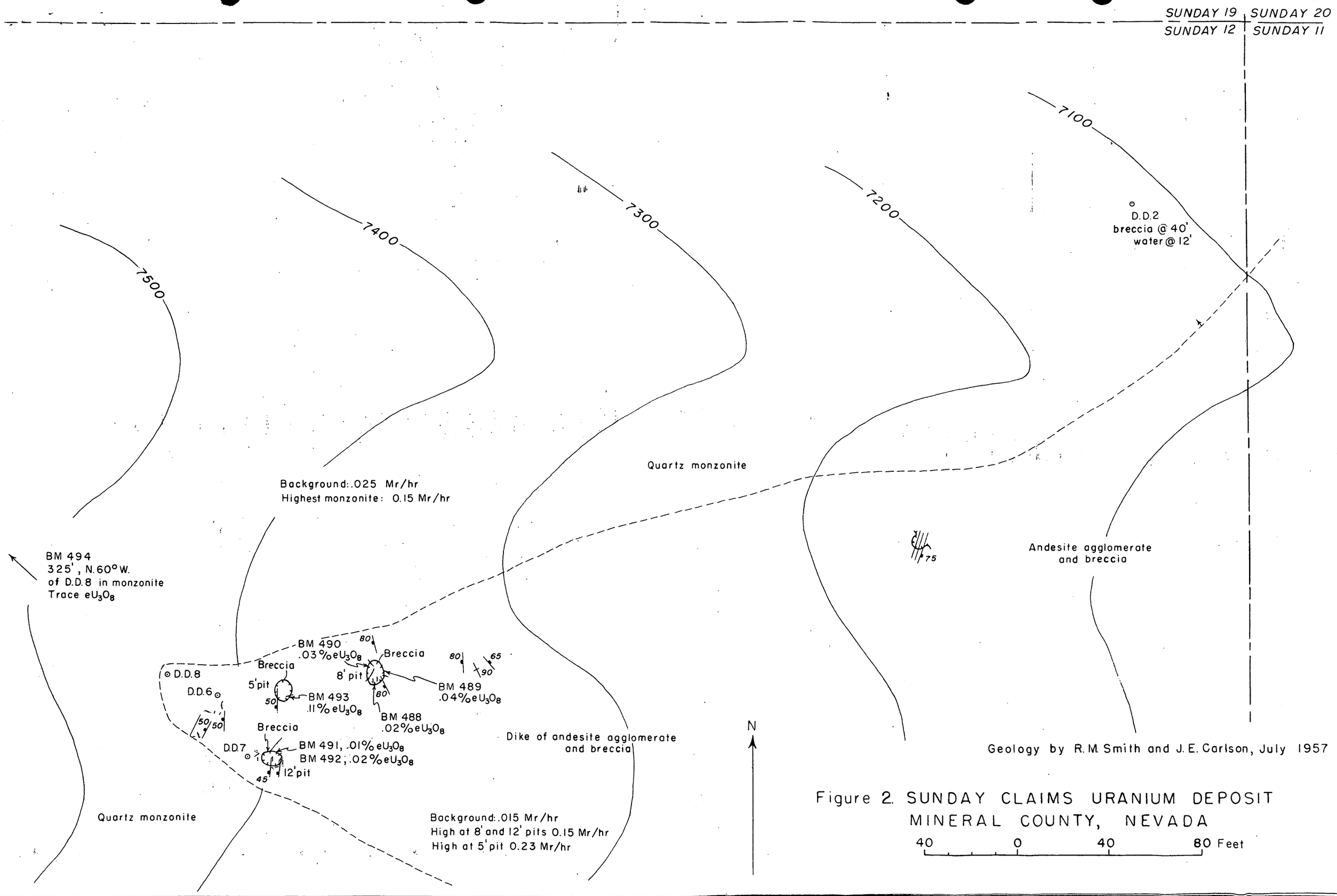

Figure 2. SUNDAY CLAIMS URANIUM DEPOSIT
MINERAL COUNTY, NEVADA

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RECEIVED AUG 22 1957

DATE	INITIALS	CODE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/20	Knouse	700
6/20	Ellis	700
6/21	Selbridge	130
6/21	Lamb	130
6/21	Nelson	130
"	Johnson	110
"	Mattenberg	100
6/24	C	220
		700

JUN 24 1957

Mr. Frank C. Fernandez, President
Sunday Mining Company
818 - 19th Street
Santa Monica, California

Re: Docket No. DMEA-4743 (Uranium)
Sunday Claims
Mineral County, Nevada

Dear Mr. Fernandez:

Your letter of June 7, 1957, with map enclosures, have been received. Your application is now being referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for further consideration and possibly a field examination.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FIKnouse/izm 6-20-57
cc to: Mr. Knouse
Admr.'s Reading File
DMEA FT Reg. II (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/19	Knouse	700
6/20	Ellis	700
6/21	GCS	130
6/21	Lamm	110
2	Hatteberg	100
		220
		700

JUN 24 1957

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

Re: Docket No. DMEA-4743 (Uranium)
Sunday Mining Company
Sunday Claims
Mineral County, Nevada

Dear Mr. Ricker:

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

Enclosed are copies of memoranda, dated June 12 and 14, 1957, from N. E. Nelson, USGS, and James Paone, USBM, respectively, relating to the proposed project. Also enclosed is an extra copy of the application, with two copies of a letter, dated June 7, 1957, and attachments thereto, from the Applicant, for the use of the Field Team.

If the Field Team recommends an exploration project, we will require, in addition to the usual information, bids from three drilling contractors for any drilling included in the program.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (246)

P.S. Is the name of the applicant the Sunday Mining Company or the Sunday Mining Company, Inc.?

Enclosures

APPROVED:

Frank D. Lamb (246)
Member, Bureau of Mines

N. E. Nelson (246)
Member, Geological Survey

FLKnouse/gla
6-19-57
cc to: Admr.'s Reading File
Operating Committee
Code 700, Mr. Knouse
T. H. Kiilsgaard, Rm. 5224

8623

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Comments		
Complete		

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

Date June 14, 1957

DMEA Docket No. 4743
DMEA Contract No.
Commodity Uranium
Name of applicant Sunday Mining Co., Inc.
Name of property Sunday Claims
Location of property Mineral County, Nevada
Estimated cost of project $69,050

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 5/2/57. 2. Date received by reviewer: 5/10/57

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

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

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

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

7. Explain items marked yes above:

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

9. Action advised:
a. Obtain information from applicant ☐
b. Refer to Field Team ☐
c. Denial [x] without prejudice
d. Agree with Field Team ☐
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another examination ☐
h. Approval ☐
i. Consult with Mr. ____ at ____ AEC office.

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

The subject property does not appear to have progressed beyond the initial prospecting stage. Targets are unidentified and exploration work appears aimless.

IN REPLY REFER TO:

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

FILE COPY
DMEA
JUN 12 1957

DATE		CODE
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"	~~600~~	700
18		700

June 12, 1957

Re: DMEA ~~4375~~ 4743
Sunday Mining Co.
Sunday Mine
Mineral Co., Nev.
$69,050 - Uranium

Memorandum

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

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

Subject: Review of application.

The applicant requested assistance in exploring a mass of feldspar and quartz (pegmatite) by core drilling 3,000 feet, and tunnelling 900 feet.

At least 9 drill holes have been put down but no results of the drilling are given. Also holes have been dug and trenches excavated. Except for a notation on a rough map which says "assays 0.05 to 0.66" no data are given concerning sampling.

The consultant is a man of long experience, but he probably has not seen the prospect since most of the work has been done.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

June 7, 1957

OFFICIAL FILE COPY DMEA RECEIVED JUN 10 1957		
DATE	INITIALS	CODE
6/10	C	R20
"	Ellis	700

United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Attention: Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

RE: Docket No. DMEA-4743 (Uranium)
Sunday Claims
Meneral County, Nevada

maps (3) in envelope pocket

Gentlemen:

I wish to apologize for having omitted the map in the DMEA application.

Enclosed are four copies of a map outlining the information you require and four enlarged copies showing the location of claims relative to the general area and a Nevada-California Hawthorne Quadrangle showing the "blown up" section relative to the Geodetic Survey map.

I hope this information is satisfactory and I feel it is quite accurate for the use intended at this time.

Please advise if you should need any additional data.

Yours truly,

SUNDAY MINING CO., INC.

Frank C. Fernandez

Frank C. Fernandez

FCF:mk

Encl:

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-13	Ellis	700
14	Montcalm	100
5/14	C	220
		700
		700

MAY 14 1957

Mr. Frank C. Fernandez, President
Sunday Mining Company
818 Nineteenth Street,
Santa Monica, California

Re: Docket No. DMEA-4743 (Uranium)
Sunday Claims
Mineral County, Nevada

Dear Mr. Fernandez:

A review of your application under the subject docket number indicates that the information submitted is too incomplete for further processing.

In the application under "4. Physical description. - (c)" you are requested to "Illustrate with maps or sketches." Accordingly, please furnish the following in quadruplicate:

A map or sketch drawn to scale whereon is shown the thirty-seven claims you propose to explore. The map should be of sufficient size to show the major topographical features such as the "boss" mentioned in Mr. Sweetse's report of January 12, 1955. It should also show such surface geology as you are able to give, areas where radioactive anomalies occur, places identified by number where samples were procurred, locations where any excavating was done, and where you propose to do the drifting and drilling, all in relation to the boundaries of the claims. Such a map need not be an expensive job, but it should be complete enough to give us a fairly good picture of existing conditions and the approximate locations of the work you propose.

Upon receipt of the four copies of the map we will proceed with the processing of your application as expeditiously as possible.

Sincerely yours,

SIGNED
Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

EWEllis/dlm 5-13-57
cc to: Admr's Reading File
THKiilsgaard, Rm. 5224
DMEA Reg. II (2)

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

May 10, 1957

Mr. Frank C. Fernandez, President,
Sunday Mining Company,
818 Nineteenth Street,
Santa Monica, California

Subject: DMEA 4743
Re: Exploration Assistance

Dear Mr. Fernandez:

Your application for exploration assistance, dated May 2, 1957, submitted to our office at Reno, Nevada, has been assigned Docket Number DMEA 4743 and referred to the Rare & Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

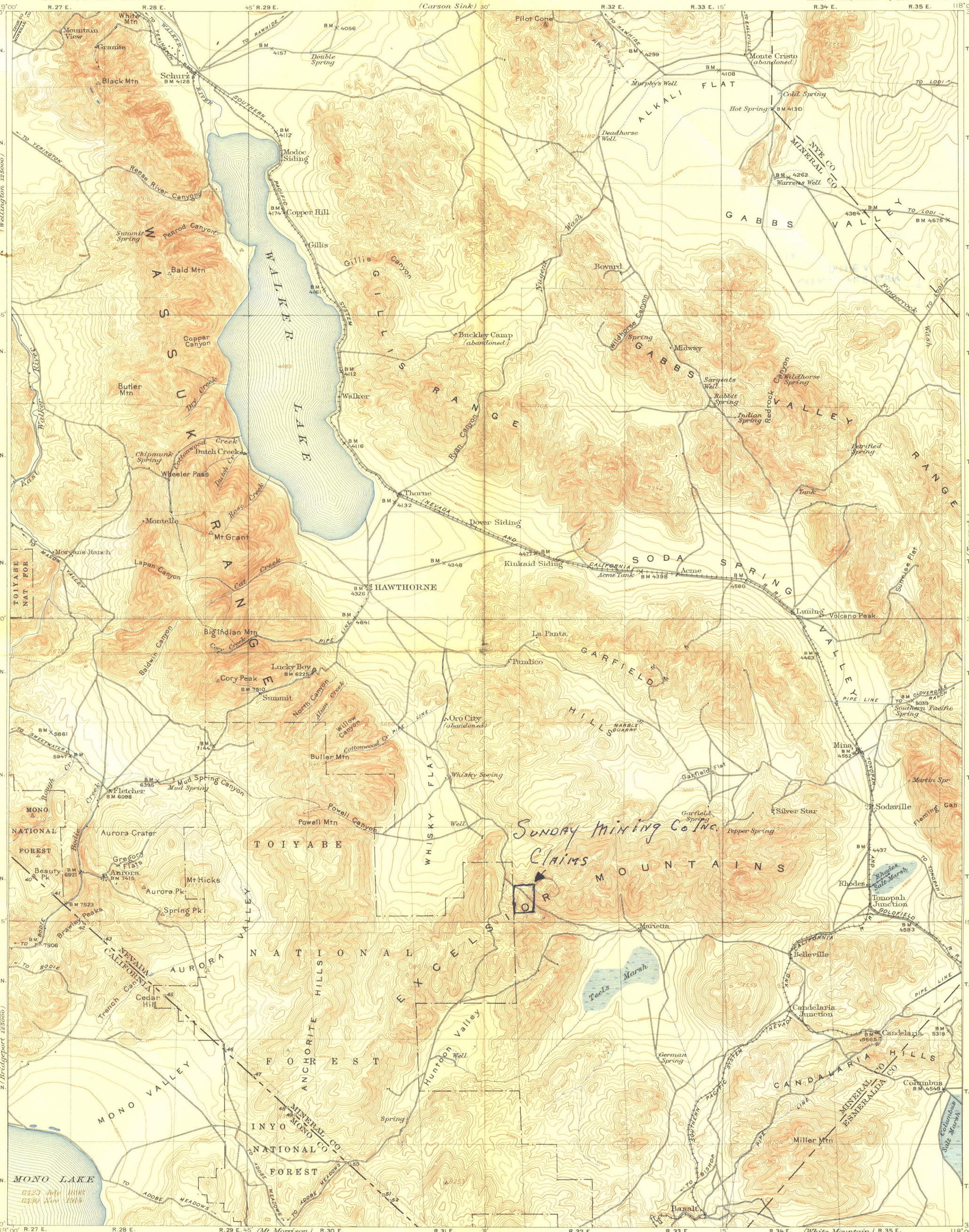
Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to: Region II.

3571

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEVADA-CALIFORNIA
HAWTHORNE QUADRANGLE



R.B. Marshall, Chief Geographer.
T.G. Gerdine, Geographer in charge.
Topography by C.G. Anderson.
Control by Coast and Geodetic Survey,
T.A. Green, and C.M. Weston.
Surveyed in 1909.

Scale $\frac{1}{250000}$

2 1 0 2 4 6 8 10 Miles

2 1 0 2 4 6 8 10 Kilometers

Contour interval 100 feet.

Datum is mean sea level.

(Readjustment indicates that elevations on this map should be decreased 5 feet)

APPROXIMATE MEAN DECLINATION 1909.

Edition of May 1911, reprinted 1951
Polyconic projection.

NEV.-CALIF.
HAWTHORNE
N3800-W11800/60

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