DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3473

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Cys to USBM & USGS

Routing Slip

To:	700	Date	9/2/54
To:	Oper Comm	Date	9-24-54
To:	Oper Comm	Date	12-1-54
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

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

AUG - 9 1955

Mr. Roy O. Ernst
305 West Fourth Street
San Dimas, California

Re: Docket No. DMEA-3920
Uranium, thorium, rare earths
Desert View Claims
Ventura County, California

Dear Mr. Ernst:

In reviewing your latest application for exploration assistance we note that you have presented very little in the way of specific new information when compared with the old application under Docket No. DMEA-3473, which was denied.

If you have done additional work on the property since our original denial and such work has exposed specific information of an encouraging nature please submit the following evidence:

1. A map or sketch drawn to scale, showing all the claims to be explored, all old excavations and tunnels, any new excavations or workings, the position of the pegmatite dikes and veins mentioned in your application as well as other geologic features, and the position and number of any new samples taken by you.

2. Certified copies of assay reports on any new samples taken by you together with a description of how the samples were taken. In this connection we note that you have submitted an assay report dated June 13, 1955, by Smith-Emery Company, which was submitted by Molybdenum Corporation of America. If this sample was taken off your property please indicate its position on the above-mentioned map and describe in detail how the sample was taken.

We wish to stress the importance of submitting specific information backed up by representative sampling and assaying. If you believe there is primary ore on the property you must present sufficient geologic evidence to sustain this belief.

We shall be pleased to consider your application further upon receipt of your reply to this letter.

Sincerely yours,

SIGNED

Ernest Wm. Allis, Chief
Rare and Miscellaneous
Metals Division

MChing:am
8-8-55
cc to: Admr. Reading File
Docket
Messrs. J.E.Crawford,Rm.3641
T.H.Kiilsgaard,Rm.5222
J.O.Hosbed,Rm.3210,GSA
Code 700

Mr. Ching DMEA Field Team, Reg. II(2)

Surname copy

700

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

Ching
Ellis
Kiilsgaard
Hedges
Selfridge
Johnson

DEC - 2 1954

Mr. Roy O. Ernst
305 W. 4th Street
San Dimas, California

Re: Docket No. DMEA-3473 (Uranium)
Desert View claims
Ventura County, California

Dear Mr. Ernst:

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

MChing/gla
11-30-54
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T.H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
Field Team, Region III (2)

R.C.

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

Ching
Ellis

November 27, 1954

SUMMARY OF PROPOSED PROJECT

Object: Denial of application for an exploration project

Docket No.: DMEA-3473

Commodity: Uranium

Applicant: Roy O. Ernst
305 W. 4th Street
San Dimas, California

Property: Desert View claims consisting of 5 lode claims, Nancy June, Nancy June Nos. 2 and 3, and Barbara Ann Nos. 1 and 2, Ventura County, California. Applicant is owner by location.

Date of application: August 12, 1954

Amount of application: $8,286.00

Work Proposed: Erect cabin, lean-to, and equipment shed, and strip radioactive ridges with bulldozer to expose and explore the underlying bedrock. Volume of work not stated but approximately one month of work involved.

Field Team Report: Dated November 2, 1954. Henry W. Jones, USBM and Hal G. Stephens, USGS

Radioactive material reported by Applicant consists of sand and gravel along a dry stream bed containing minor amounts of thorium-uranium bearing minerals. Radiation intensity of this material resulted in a maximum reading of .05 MR/Hr. This information, coupled with radiometric determination of four samples taken, indicate the material is too low in value to be of economic significance. It is therefore recommended that the Applicant's request for DMEA assistance be denied.

Commodity Committee Members' Comments

Geological Survey: E. L. Newcomb, November 19, 1954

The low grade of the stream bed material indicates that an exploration program in these sediments is not warranted. I concur with the Field Team and recommend this application be denied.

Bureau of Mines: John E. Crawford, November 23, 1954

I have reviewed the subject report and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission. We concur with the recommendation of the Field Team that the application be denied.

Rare and Miscellaneous Metals Division: Michael Ching, November 26, 1954.

The Applicant proposed to strip the overburden from ridges showing radioactivity which overlooked a dry stream bed containing uranium bearing sand and gravel; and thus locate primary uranium ores.

The Field Team reported, however, that the background radioactivity on the property is particularly low for the rock types present and the concentration of radioactive minerals along the stream bed was of minor proportions. Therefore, an exploration project is not warranted.

Conclusions and Recommendations:

The low grade of the stream bed material does not warrant exploration of the property for its placer mining possibilities and the available information does not encourage the belief that economic deposits of primary ore are present on the property. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis

11/26/54 gla

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

Defense Minerals Administration
RECEIVED
NOV 24 1954

November 23, 1954

Memorandum

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

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

Subject: DMEA Docket No. 3473, Roy O. Ernst, Desert View claims, Ventura County, California

I have reviewed the subject report and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

We concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, in accord with the routing slip attached thereto.

John E. Crawford

John E. Crawford

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

RECEIVED

November 23, 1954

Memorandum

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

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

Subject: DMEA Docket No. 3473 Roy O. Ernst, Desert View claims, Ventura County, California

I have reviewed the subject report and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

We concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, in accord with the routing slip attached thereto.

John E. Crawford

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

Bureau of Mines Library

November 23, 1954

Memorandum

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

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

Subject: DMEA Docket No. 3473 Roy O. Ernst, Desert View claims, Ventura County, California

I have reviewed the subject report and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

We concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, in accord with the routing slip attached thereto.

John E. Crawford

11/22/54 gla

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 22 1954

November 19, 1954

Re: DMEA-3473
Roy O. Ernst
(Desert View Claims)
Ventura Co., Calif.
$8,285.50 - Uranium

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field examination report

The applicant proposed an extensive trenching program to uncover radioactive beds.

The radioactivity reported by the applicant occurs in a dry stream bed containing minor amounts of thorium-bearing minerals and possibly trace amounts of uranium. These concentrations of heavy minerals have been derived from the weathering of gneisses and schists on adjacent valley slopes.

The low grade of the stream bed material indicates that an exploration program in these sediments is not warranted.

I concur with the Field Team, and recommend this application be denied.

E. L. Newcomb

E. L. Newcomb

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
NOV 22 1954

November 19, 1954

Re: DMEA-3473
Roy O. Ernst
(Desert View Claims)
Ventura Co., Calif.
$8,285.50 - Uranium

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field examination report

The applicant proposed an extensive trenching program to uncover radioactive beds.

The radioactivity reported by the applicant occurs in a dry stream bed containing minor amounts of thorium-bearing minerals and possibly trace amounts of uranium. These concentrations of heavy minerals have been derived from the weathering of gneisses and schists on adjacent valley slopes.

The low grade of the stream bed material indicates that an exploration program in these sediments is not warranted.

I concur with the Field Team, and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-11/19/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 22 1954

November 19, 1954

Re: DMEA-3473
Roy O. Ernst
(Desert View Claims)
Ventura Co., Calif.
$8,285.50 - Uranium

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field examination report

The applicant proposed an extensive trenching program to uncover radioactive beds.

The radioactivity reported by the applicant occurs in a dry stream bed containing minor amounts of thorium-bearing minerals and possibly trace amounts of uranium. These concentrations of heavy minerals have been derived from the weathering of gneisses and schists on adjacent valley slopes.

The low grade of the stream bed material indicates that an exploration program in these sediments is not warranted.

I concur with the Field Team, and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-11/19/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
NOV 22 1954

November 19, 1954

Re: DMEA-3473
Roy O. Ernst
(Desert View Claims)
Ventura Co., Calif.
$8,285.50 - Uranium

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field examination report

The applicant proposed an extensive trenching program to uncover radioactive beds.

The radioactivity reported by the applicant occurs in a dry stream bed containing minor amounts of therium-bearing minerals and possibly trace amounts of uranium. These concentrations of heavy minerals have been derived from the weathering of gneisses and schists on adjacent valley slopes.

The low grade of the stream bed material indicates that an exploration program in these sediments is not warranted.

I concur with the Field Team, and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-11/19/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641

11/16/54 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 16 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 12, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3473 - Uranium
Roy O. Ernst
Desert View claims
Ventura County, California

In accordance with the request in your letter of September 24, 1954, a joint Bureau of Mines-Geological Survey field team examination of the subject property was made on October 7, 1954.

Attached are four copies of the report entitled "DMEA-3473, Desert View Claims, Ventura County, California, (Uranium)," by Henry W. Jones, Mining Engineer, U. S. Bureau of Mines, and Hal G. Stephens, Geologist, U. S. Geological Survey, dated November 2, 1954.

The claims are underlain by biotite-granite gneiss, quartz-biotite schist, quartz veins and minor stringers of quartz-feldspar pegmatite. Background radioactivity is particularly low for the rock types present. Four samples were taken from the property by the examining engineer; the four samples ranging from 0.0013 to 0.01 per cent U_3O_8 are not of any economic value.

The engineer and geologist are in agreement that a DMEA loan for exploration is not warranted. Based on a review of the report, Roscoe Smith and I are of the same opinion and recommend that the application for a loan be denied.

S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS

Reviewed by
DMEA OPERATING COMMITTEE
11-19-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 16 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3473, Desert View Claims

Ventura County, California

(Uranium)

Henry W. Jones, Mining Engineer
U. S. Bureau of Mines

Hal G. Stephens, Geologist
U. S. Geological Survey

November 2, 1954

Reviewed by
DMEA OPERATING COMMITTEE
11-19-54
(date)

EXAMINATION REPORT

DMEA-3473 (Uranium)

Name and address of applicant: Roy O. Ernst
305 W. 4th Street
San Dimas, Calif.

Name and location of property: Desert View Claims
Ventura County, California

Approximately 14 miles by road west of Gorman, Calif.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

An application for a Defense Minerals Exploration loan on the Desert View uranium claims was submitted by Mr. Roy O. Ernst of 305 W. 4th Street, San Dimas, Calif. An$8,285.50 bulldozer trench exploration program to uncover radioactive beds was proposed by the applicant.

A joint Bureau of Mines-Geological Survey examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine if sufficient mineralization was present to justify the proposed project and to obtain additional data. Accordingly an examination was made on October 7, 1954 by Henry W. Jones, mining engineer, Bureau of Mines, Hal Stephens, geologist, Geological Survey, and W. A. Bowes, geologist, U.S. Atomic Energy Commission in company with the applicant, R. O. Ernst.

The applicant submitted a proposal to erect a small cabin, lean-to, and equipment shed on the property, and trench by means of a small bulldozer an undisclosed amount of ground, presumably until the remainder of the funds were exhausted.

The localities of anomalous radioactivity reported by Mr. Ernst are along the dry stream bed about 500 feet west of GoldHill summit (see map). The radioactive material consists of sand and gravel in the stream bed containing minor amounts of thorium-uranium bearing minerals. Radiation intensity of this material resulted in a maximum reading of .05 MR/HR. This information, coupled with radiometric determination of four samples taken, indicate the material is too low a value to be of economic significance.

It is therefore recommended that the applicant's request for a DMEA loan be denied.

NAME AND LOCATION OF PROPERTY

The Desert View claims consist of five unpatented lode claims; the Nancy June, Nancy June No. 2 and No. 3, the Barbara Ann No. 1 and No. 2; all held by location. They are situated in the Snowy Mining District, T. 7 N., R. 19 W., Ventura County, Calif., approximately 70 miles northwest of Los Angeles, Calif., on and around a small peak known as Gold Hill. The nearest supply and shipping point is Saugus, Calif., on the Southern Pacific Railroad, about 37 miles by road southeast of the applicant's claims.

The property is reached by traveling to Gorman, Calif., on U.S. Highway 99. From this point a county maintained road is traveled southwesterly 7 miles to an intersection just beyond the Bailey Ranch. Turn right on the Piru Creek road for 2 miles, then turn left on a poorly maintained road 1 mile and through a gate. A steep, jeep road is traveled up a canyon to the Gold Hill summit a distance of 2 miles. The latter part of the road would be considered impassible during wet and rainy weather.

COMPETENCY OF APPLICANT

Mr. Ernst, the owner of the property, is quite limited in mining knowledge. He has just recently retired from the Los Angeles county police force after 20 years of service. Mining interests on the property were considered a weekend hobby for him. The applicant stated that he had adequate finances in the bank to handle all contingencies as specified in the exploration loan and would be capable of handling his share of the costs.

HISTORY

Little is known of the past history of the area other than that stated by the applicant. Prior to 1900, placer gold was mined from creek beds and from shallow trenches on decomposed quartz veins. Apparently, none of them extended to depth.

Mr. Ernst, while on a deer hunting trip, noted the trenches and staked lode claims on the property in the fall of 1929. One tunnel

300 feet northwest of the summit of Gold Hill was driven 40 feet as a gold prospect in 1935. The other tunnel about 200 feet west of the Gold Hill summit was driven about 200 feet at about the same time, also for gold. No production is known to come from these workings.

Several surface prospect cuts in quartz vein material are scattered over the general area. Other than the shallow sample cuts in the sand and gravel deposit, no recent mining operations have been undertaken by the property owner.

Recently, Mr. Ernst purchased a Geiger counter and noted an increase in the background count in the creek bed of the property (see map). As a result of these indications and of a few pebbles showing high radioactivity (euxenite ?) found in the wash, the application was submitted.

GEOLOGY

The Desert View claims, about 10 air line miles south-southwest of Gorman, Calif., are underlain by biotite-granite gneiss, quartz-biotite schist, quartz veins and minor stringers of quartz-feldspar pegmatite. Foliation of the gneiss has a strike of S. 65 W and a dip of 32° NW at the adit portal approximately 300 feet northwest of the summit of Gold Hill (cabin site), and a strike of N 10 W and a dip of 10° SE at the adit portal approximately 200 feet west of the same summit. Mantle rock is as much as several feet thick and exposures of bedrock are not common, except at the portals mentioned and at a few other places. Background

radioactivity is particularly low for the rock types present, ranging from .005 MR/HR to .015 MR/HR. Highest readings taken on the Nancy June claim were from .025 MR/HR to .05 MR/HR.

ORE DEPOSITS

The localities of anomalous radioactivity reported by Mr. Ernst are along the dry stream bed about 500 feet west of Gold Hill (site of uncompleted cabin) and his sampling points are indicated on the sketch map by "X". The radioactive material consists of sand and gravel in the stream bed containing minor amounts of thorium-bearing minerals; uranium may be present in even lesser amount. Radiation intensity of this material resulted in a maximum reading of .05 MR/HR, too low to be of economic significance. The thorium-bearing minerals are believed to have been derived from the mechanical weathering of biotite-granite gneiss and quartz-biotite schist on adjacent slopes and the concentration of these heavy minerals along the stream bottom. Because of the very low apparent grade of the material with regard to either uranium or thorium, and the small quantity present, no exploratory work is justified.

Samples of highly radioactive rock (as much as 3 inches in diameter) similar to those submitted by the claim owner to the Bureau of Mines laboratory for uranium assay, indicated a radioactivity value of .5 MR/HR. These samples were found in a placer concentrate from an unknown locality, but presumably were transported by natural agents

from a pegmatite source rock. It is recommended that the property owner direct his prospecting efforts toward locating the source of the highly radioactive sample mentioned above, rather than exploring the placer material.

SAMPLING

Four samples were taken at the property at locations as described. They were submitted to the U. S. Bureau of Mines, mineralogist, at Reno for radiometric determination, with the clause that if of sufficient radioactivity they would be submitted to the metallurgical laboratory for analyses. None of them, however, were considered to be of sufficient grade. Determinations were as follows:

Sample No.	%, U_3O_8 Equivalent	Description and location of sample
92	0.0028	Pegmatite in schist, 40 foot water tunnel
93	0.0013	Sand and pebbles in creek bottom, center sideline Nancy June claim.
94	0.0071	Screened sand in creek bottom, just south center sideline Nancy June claim.
95	0.01	General sand sample creek bottom, 300 feet south center sideline Nancy June claim.

The applicant panned 19 lbs. of creek wash down to an 11-lb. sample and sent the concentrate to the U.S. Geological Survey, Washington, D.C. (Naval Gun Factory). Results were reported as follows:

0.020 U_3O_8 radiometric analyses
0.003 U_3O_8 chemical analyses

Another small specimen of heavy black rock found in the creek bottom and having a high radioactive count was submitted by the applicant

to the U. S. Bureau of Mines at Salt Lake City, Utah, for identification and analysis. The report showed the rock to be euxenite assaying 0.61% U_3O_8 (chemical analysis) and containing thorium.

PHYSICAL FEATURES

The claims are located on and near the 4838 foot summit of Gold Hill, a small mountain adjacent to and on the northeast flank of the higher and more rugged Alamo Mountain. The area is typified as low rolling hills near the summits, cut by deep washes and creeks. The climate in the area is semi-arid with long, hot summers and moderately cool winters. Precipitation occurs as rain storms and occasional snow during the winter months. Other than extremely muddy roads, causing them to be impassable at times, the area is accessible the year around. Domestic water in the mine area is obtained from the 40-foot adit previously mentioned, which could not be considered other than for drinking purposes. The nearest reliable source of water is on Piru creek, one mile south and about 700 feet vertically below the mine. The hills are covered by a scattered growth of pinon pine and scrub desert vegetation.

HOUSING FACILITIES

There are no facilities for housing on or near the property. The applicant is at present constructing a small 12 x 14 foot frame house at the summit of Gold Hill. The nearest available housing accommodations are at Gorman, Calif., 14 miles by road east of the claims.

MANPOWER, SUPPLIES, ETC.

Manpower is available at Los Angeles about 70 miles southeast of the property.

No equipment of any type was noted in the mine area, however, this could also be obtained in nearby Los Angeles. There is no electric power available in the vicinity.

APPLICANT'S PROPOSAL

The applicant proposed construction of three buildings and sheds and the bulldozer trenching of all high anomolies on the property. The cost was estimated at $8,285.50. The largest percentage of the money was set aside for purchasing a truck, skip loader, and construction of the buildings.

A more logical cost breakdown was drawn up by the applicant and visiting Government engineer in which in the unlikely event the application should be granted, a 2-stage exploration program at a total cost of $4,726.00 could be considered.

STAGE I

Bulldozer trenching on the more favorable pegmatite dike areas. (Further prospecting necessary to determine the best locations):

D-4 Angle blade bulldozer - 12 days @ $75.00/da.*	$900.00
*Cost estimated to include operator, gas and oil.	
Superintendent - $500.00/mo. - 1/2 month	250.00
Assaying - 10 samples @ $10.00/ea.	100.00
Travel to and from Gorman - 30 miles round trip @ 10¢ mile - 12 days	36.00
	$1,286.00

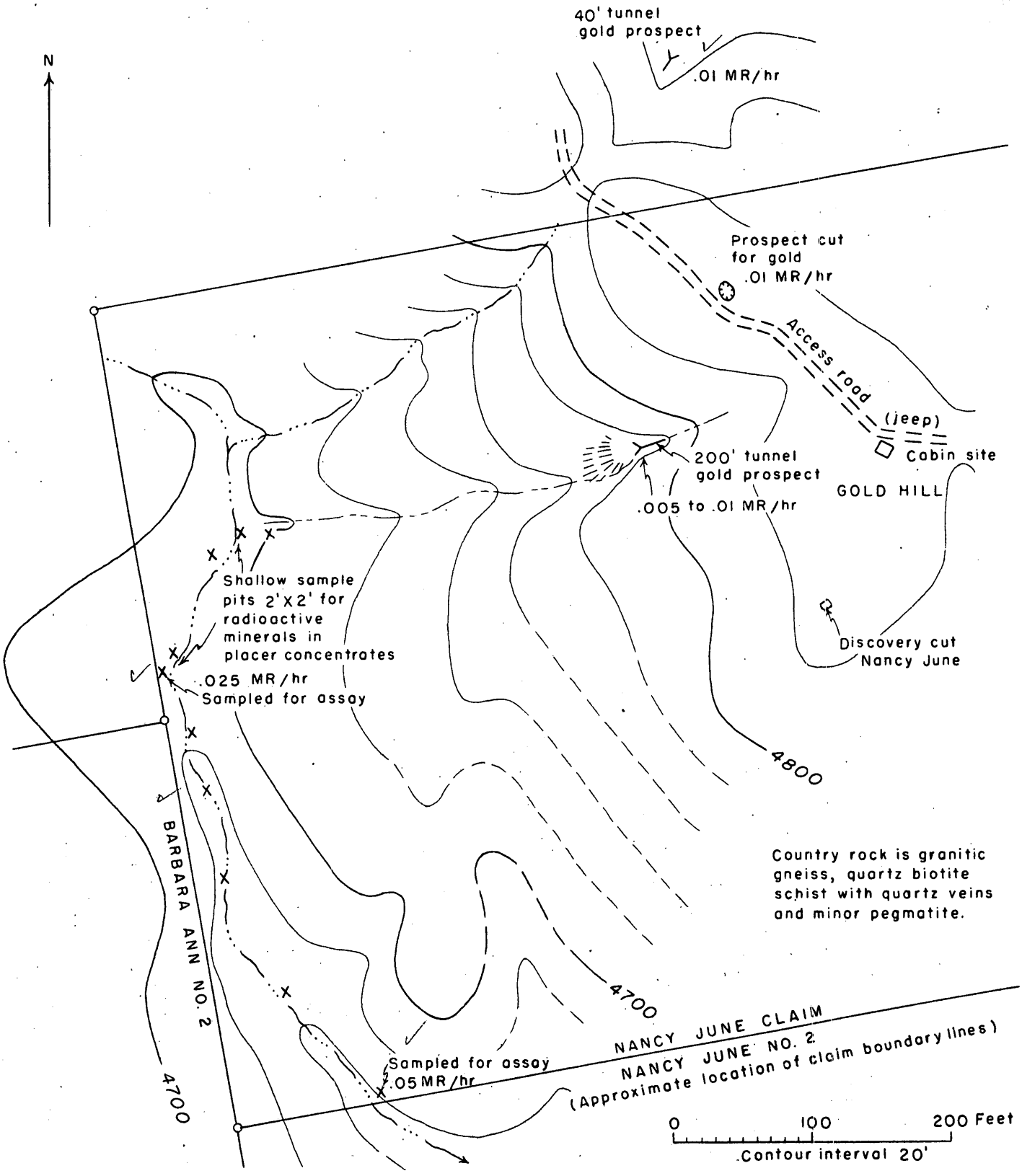
STAGE II

Pending favorable outcome of Stage I:

Drifting 100 feet along favorable formation @ $34.40/ft.		$3,440.00
Breakdown:		
2 men (combination miner and mucker) $15.00/shift		
$30.00 - breaking and mucking (est. 2 feet per day)		
48 days	$1,440.00	
Powder, fuse, and caps @ $3.00/ft.	300.00	
Equipment rental:		
Compressor, 105 cfm - 2 months @ $140/mo.	280.00	
Jackhammer & hoses - 2 months @ $60/mo.	120.00	
Hauling fuel and water @ $1.00/ft.	100.00	
Supervision and accounting - 2 months @ $500/mo.	1,000.00	
Assaying - 20 samples @ $10/ea.	200.00	
	$3,440.00	
Total		$4,726.00

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3473
(URANIUM)



SKETCH MAP OF PROSPECT FOR RADIOACTIVE MATERIALS ON NANCY JUNE CLAIM OF DESERT VIEW CLAIMS GROUP, VENTURA COUNTY, SEC. 15, T. 7 N., R. 19 W., SBBM

11/22/54 gh

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

NOV 16 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 12, 1954

Memorandum

To: George G. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3473 - Uranium
Roy G. Ernst
Desert View claims
Ventura County, California

In accordance with the request in your letter of September 24, 1954, a joint Bureau of Mines-Geological Survey field team examination of the subject property was made on October 7, 1954.

Attached are four copies of the report entitled "DMEA-3473, Desert View Claims, Ventura County, California, (Uranium)," by Henry A. Jones, Mining Engineer, U. S. Bureau of Mines, and Hal G. Stephens, Geologist, U. S. Geological Survey, dated November 2, 1954.

The claims are underlain by biotite-granite gneiss, quartz-biotite schist, quartz veins and minor stringers of quartz-feldspar pegmatite. Background radioactivity is particularly low for the rock types present. Four samples were taken from the property by the examining engineer: the four samples ranging from 0.0013 to 0.01 per cent U_3O_8 are not of any economic value.

The engineer and geologist are in agreement that a DMEA loan for exploration is not warranted. Based on a review of the report, Roscoe Smith and I are of the same opinion and recommend that the application for a loan be denied.

S. RICKER

S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, DMEA

Reviewed by
DMEA OPERATING COMMITTEE
11/19/54
(date)

Minerals Administration
RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3473, Desert View Claims

Ventura County, California

(Uranium)

Henry W. Jones, Mining Engineer
U. S. Bureau of Mines

Hal G. Stephens, Geologist
U. S. Geological Survey

November 2, 1954

Reviewed by
DMEA OPERATING COMMITTEE
11/19/54
(date)

EXAMINATION REPORT

DMEA-3473 (Uranium)

Name and address of applicant: Roy C. Ernst
505 W. 4th Street
San Dimas, Calif.

Name and location of property: Desert View Claims
Ventura County, California

Approximately 14 miles by road west of Gorman, Calif.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

An application for a Defense Minerals Exploration loan on the Desert View uranium claims was submitted by Mr. Roy C. Ernst of 305 W. 4th Street, San Dimas, Calif. An$8,285.50 bulldozer trench exploration program to uncover radioactive beds was proposed by the applicant.

A joint Bureau of Mines-Geological Survey examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine if sufficient mineralization was present to justify the proposed project and to obtain additional data. Accordingly an examination was made on October 7, 1954 by Henry W. Jones, mining engineer, Bureau of Mines, Hal Stephens, geologist, Geological Survey, and W. A. Bowes, geologist, U. S. Atomic Energy Commission in company with the applicant, R. C. Ernst.

The applicant submitted a proposal to erect a small cabin, lean-to, and equipment shed on the property, and trench by means of a small bulldozer an undisclosed amount of ground, presumably until the remainder of the funds were exhausted.

The localities of anomalous radioactivity reported by Mr. Ernst are along the dry stream bed about 500 feet west of GoldHill summit (see map). The radioactive material consists of sand and gravel in the stream bed containing minor amounts of therium-uranium bearing minerals. Radiation intensity of this material resulted in a maximum reading of .05 MR/HR. This information, coupled with radiometric determination of four samples taken, indicate the material is too low a value to be of economic significance.

It is therefore recommended that the applicant's request for a DMEA loan be denied.

NAME AND LOCATION OF PROPERTY

The Desert View claims consist of five unpatented lode claims; the Nancy June, Nancy June No. 2 and No. 3, the Barbara Ann No. 1 and No. 2; all held by location. They are situated in the Snowy Mining District, T. 7 N., R. 19 W., Ventura County, Calif., approximately 70 miles northwest of Los Angeles, Calif., on and around a small peak known as Gold Hill. The nearest supply and shipping point is Saugus, Calif., on the Southern Pacific Railroad, about 37 miles by road southeast of the applicant's claims.

The property is reached by traveling to German, Calif., on U.S. Highway 99. From this point a county maintained road is traveled southwesterly 7 miles to an intersection just beyond the Bailey Ranch. Turn right on the Piru Creek road for 2 miles, then turn left on a poorly maintained road 1 mile and through a gate. A steep, jeep road is traveled up a canyon to the Gold Hill summit a distance of 2 miles. The latter part of the road would be considered impassible during wet and rainy weather.

COMPETENCY OF APPLICANT

Mr. Ernst, the owner of the property, is quite limited in mining knowledge. He has just recently retired from the Los Angeles county police force after 20 years of service. Mining interests on the property were considered a weekend hobby for him. The applicant stated that he had adequate finances in the bank to handle all contingencies as specified in the exploration loan and would be capable of handling his share of the costs.

HISTORY

Little is known of the past history of the area other than that stated by the applicant. Prior to 1900, placer gold was mined from creek beds and from shallow trenches on decomposed quartz veins. Apparently, none of them extended to depth.

Mr. Ernst, while on a deer hunting trip, noted the trenches and staked lode claims on the property in the fall of 1929. One tunnel

300 feet northwest of the summit of Gold Hill was driven 40 feet as a gold prospect in 1935. The other tunnel about 200 feet west of the Gold Hill summit was driven about 200 feet at about the same time, also for gold. No production is known to come from these workings.

Several surface prospect cuts in quartz vein material are scattered over the general area. Other than the shallow sample cuts in the sand and gravel deposit, no recent mining operations have been undertaken by the property owner.

Recently, Mr. Ernst purchased a Geiger counter and noted an increase in the background count in the creek bed of the property (see map). As a result of these indications and of a few pebbles showing high radioactivity (euxenite ?) found in the wash, the application was submitted.

GEOLOGY

The Desert View claims, about 10 air line miles south-southwest of Gorman, Calif., are underlain by biotite-granite gneiss, quartz-biotite schist, quartz veins and minor stringers of quartz-feldspar pegmatite. Foliation of the gneiss has a strike of S. 65 W and a dip of 32° NW at the adit portal approximately 300 feet northwest of the summit of Gold Hill (cabin site), and a strike of N 10 W and a dip of 10° SE at the adit portal approximately 200 feet west of the same summit. Mantle rock is as much as several feet thick and exposures of bedrock are not common, except at the portals mentioned and at a few other places. Background

radioactivity is particularly low for the rock types present, ranging from .005 MR/HR to .015 MR/HR. Highest readings taken on the Nancy June claim were from .025 MR/HR to .05 MR/HR.

ORE DEPOSITS

The localities of anomalous radioactivity reported by Mr. Ernst are along the dry stream bed about 500 feet west of Gold Hill (site of uncompleted cabin) and his sampling points are indicated on the sketch map by "X". The radioactive material consists of sand and gravel in the stream bed containing minor amounts of thorium-bearing minerals; uranium may be present in even lesser amount. Radiation intensity of this material resulted in a maximum reading of .05 MR/HR, too low to be of economic significance. The thorium-bearing minerals are believed to have been derived from the mechanical weathering of biotite-granite gneiss and quartz-biotite schist on adjacent slopes and the concentration of these heavy minerals along the stream bottom. Because of the very low apparent grade of the material with regard to either uranium or thorium, and the small quantity present, no exploratory work is justified.

Samples of highly radioactive rock (as much as 3 inches in diameter) similar to those submitted by the claim owner to the Bureau of Mines laboratory for uranium assay, indicated a radioactivity value of .5 MR/HR. These samples were found in a placer concentrate from an unknown locality, but presumably were transported by natural agents

from a pegmatite source rock. It is recommended that the property owner direct his prospecting efforts toward locating the source of the highly radioactive sample mentioned above, rather than exploring the placer material.

SAMPLING

Four samples were taken at the property at locations as described. They were submitted to the U. S. Bureau of Mines, mineralogist, at Reno for radiometric determination, with the clause that if of sufficient radioactivity they would be submitted to the metallurgical laboratory for analyses. None of them, however, were considered to be of sufficient grade. Determinations were as follows:

Sample No.	%, U_3O_8 Equivalent	Description and location of sample
92	0.0026	Pegmatite in schist, 40 foot water tunnel
93	0.0013	Sand and pebbles in creek bottom, center sideline Nancy June claim.
94	0.0071	Screened sand in creek bottom, just south center sideline Nancy June claim.
95	0.01	General sand sample creek bottom, 300 feet south center sideline Nancy June claim.

The applicant panned 19 lbs. of creek wash down to an 11-lb. sample and sent the concentrate to the U. S. Geological Survey, Washington, D.C. (Naval Gun Factory). Results were reported as follows:

0.020 U_3O_8 radiometric analyses
0.003 U_3O_8 chemical analyses

Another small specimen of heavy black rock found in the creek bottom and having a high radioactive count was submitted by the applicant

to the U. S. Bureau of Mines at Salt Lake City, Utah, for identification and analysis. The report showed the rock to be euxenite assaying 0.61% U_3O_8 (chemical analysis) and containing thorium.

PHYSICAL FEATURES

The claims are located on and near the 4838 foot summit of Gold Hill, a small mountain adjacent to and on the northeast flank of the higher and more rugged Alamo Mountain. The area is typified as low rolling hills near the summits, cut by deep washes and creeks. The climate in the area is semi-arid with long, hot summers and moderately cool winters. Precipitation occurs as rain storms and occasional snow during the winter months. Other than extremely muddy roads, causing them to be impassable at times, the area is accessible the year around. Domestic water in the mine area is obtained from the 40-foot adit previously mentioned, which could not be considered other than for drinking purposes. The nearest reliable source of water is on Piru creek, one mile south and about 700 feet vertically below the mine. The hills are covered by a scattered growth of pinon pine and scrub desert vegetation.

HOUSING FACILITIES

There are no facilities for housing on or near the property. The applicant is at present constructing a small 12 x 14 foot frame house at the summit of Gold Hill. The nearest available housing accommodations are at Gorman, Calif., 14 miles by road east of the claims.

MANPOWER, SUPPLIES, ETC.

Manpower is available at Los Angeles about 70 miles southeast of the property.

No equipment of any type was noted in the mine area, however, this could also be obtained in nearby Los Angeles. There is no electric power available in the vicinity.

APPLICANT'S PROPOSAL

The applicant proposed construction of three buildings and sheds and the bulldozer trenching of all high anomolies on the property. The cost was estimated at $8,285.50. The largest percentage of the money was set aside for purchasing a truck, skip loader, and construction of the buildings.

A more logical cost breakdown was drawn up by the applicant and visiting Government engineer in which in the unlikely event the application should be granted, a 2-stage exploration program at a total cost of $4,726.00 could be considered.

STAGE I

Bulldozer trenching on the more favorable pegmatite dike areas. (Further prospecting necessary to determine the best locations):

D-4 Angle blade bulldozer - 12 days @ $75.00/da.*	$900.00
*Cost estimated to include operator, gas and oil.	
Superintendent - $500.00/mo. - 1/2 month	250.00
Assaying - 10 samples @ $10.00/ea.	100.00
Travel to and from Gorman - 30 miles round trip @ 10¢ mile - 12 days	36.00
	$1,286.00

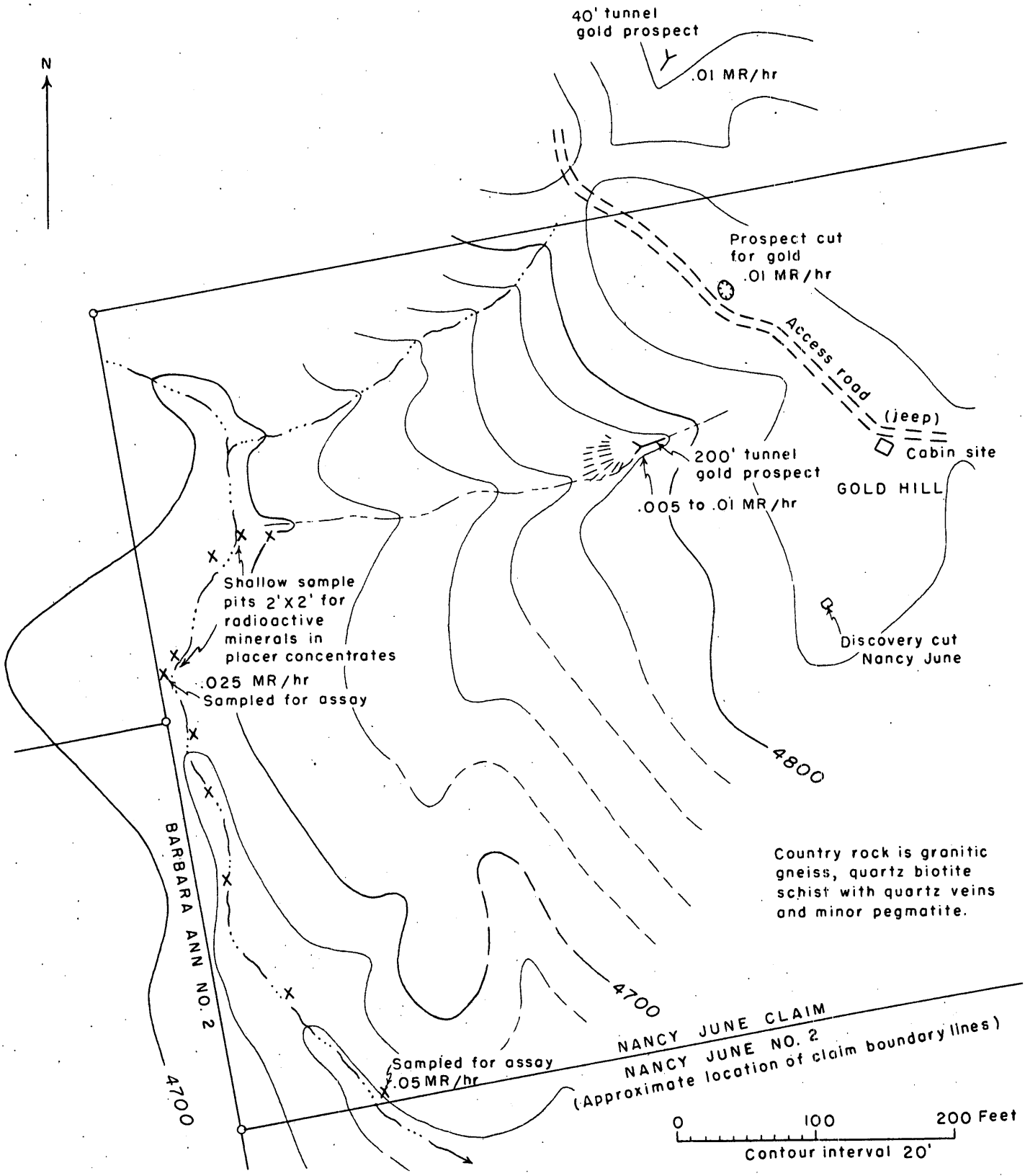
STAGE II

Pending favorable outcome of Stage I:

Drifting 100 feet along favorable formation @ $34.40/ft.		$3,440.00
Breakdown:		
2 men (combination miner and mucker) $15.00/shift		
$30.00 - breaking and mucking (est. 2 feet per day)		
48 days	$1,440.00	
Powder, fuse, and caps @ $3.00/ft.	300.00	
Equipment rental:		
Compressor, 105 cfm - 2 months @ $140/mo.	280.00	
Jackhammer & hoses - 2 months @ $60/mo.	120.00	
Hauling fuel and water @ $1.00/ft.	100.00	
Supervision and accounting - 2 months @ $500/mo.	1,000.00	
Assaying - 20 samples @ $10/ea.	200.00	
	$3,440.00	
Total		$4,726.00

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3473
(URANIUM)



SKETCH MAP OF PROSPECT FOR RADIOACTIVE MATERIALS ON NANCY JUNE CLAIM OF DESERT VIEW CLAIMS GROUP, VENTURA COUNTY, SEC. 15, T. 7 N., R. 19 W., SBBM

Surname copy 700

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

SEP 24 1954

Ellis
Kilsgaard
Hedges
Selfridge
Johnson

Mr. Roy O. Ernst
305 W. 4th Street
San Dimas, California

Re: Docket No. DMEA-3473 (Uranium)
Desert View claims
Ventura County, California

Dear Mr. Ernst:

The application for assistance in exploring your property, under the above captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for a field examination to the Executive Officer of Region III at the following address:

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
420 Custom House
555 Battery Street
San Francisco 11, California

With reference to your letter dated September 10, 1954, wherein you report on the radioactive sample taken from your claims, it is noted that you wish to know if the Atomic Energy Commission would be interested in purchasing such material and in what quantity. It is suggested that you take that question up with the Commission direct. However, at the time of the field examination referred to above, you can then discuss with the field examiners the merits of the various minerals and the concentration and marketing thereof; also they can refer you to the nearest purchasing agent for the Atomic Energy Commission.

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

G. O. Mittendorf (for)

Administrator

EWEllis/gla
9-21-54
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 4641
A. P. Butler, Jr., Rm. 5227
J. O. Hosted, Rm. 3210, GSA
DMEA Field Team, Region III (2)
Code 700

700

name copy

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

Ellis
Selfridge
Hedges

SEP 24 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
U. S. Bureau of Mines
420 Custom House
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-3473 (Uranium)
Roy O. Ernst
Desert View claims
Ventura County, California

Dear Mr. Miller:

The captioned application is referred to Region III for a field examination and Field Team recommendation.

Enclosed are copies of memoranda from Arthur P. Butler, Jr., dated September 14, and John E. Crawford, dated September 16, 1954, Geological Survey and Bureau of Mines Uranium Commodity Members, respectively. At the time of writing the memoranda, neither member had the benefit of the Applicant's letter, copies of which are enclosed, which does indicate fair mineralization on the property. It would seem that the Applicant has presented his proposal probably to the best of his ability and so it was decided that further correspondence would result in only an expenditure of time; hence this referral to the field.

If a project is recommended, please furnish us with the necessary cost breakdown, together with a better map (7 copies) than that in the application, so that a contract may be properly finalized.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures 6

EWEllis/gla
9-21-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
A. P. Butler, Jr. Rm. 5227
J. O. Hosted, Rm. 3210, GSA
Code 700

APPROVED:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

9/20/54 gla

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

Defense Minerals Administration
RECEIVED
SEP 17 1954

September 16, 1954

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

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

Subject: DMEA Docket No. 3473, Desert View Claims, Ventura County, California

I have reviewed the application included in the subject document and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

It is the opinion of Mr. Hosted and myself that more comprehensive geological information should be required, such as description of fracture systems, depth of overburden, type of country rock, etc. It is also noted that there are not shown in the application representative analyses of the material which the applicant believes contains uranium.

I suggest that the application be returned to the applicant for additional information.

John E. Crawford

John E. Crawford

Attachment

MF-108
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 121-R1035.2.

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
RECEIVED
AUG 31 1954

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. 3473
Metal or Mineral Uranium
Date Received
Estimated Cost $8,286
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: Roy O. Ernst-305 W 4th Street-San Dimas California

(*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 Lode Claims-Nancy June Vol 573 Page 163 Nancy-June #2-Book 1220 Page-140-Nancy June #3 Book-1220 Page 138 Barbara-Ann #1-Book 1214 Page 276-Barbara Ann #2-Book 1220 Page 278 Ventura-Co California-Recorders-Office

(*b*) State any mine name by which the property is known. Desert View-Claims

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner-by virtue-of-Location + occupancy

(*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.

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 Uranium

(*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 days and be completed within 12 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 [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 August 12, 1954

Roy O. Ernst
(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.

INT.-DUP. SEC., WASH., D.C. 64941

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 31 1954

Roy O. Ernst,
305 W. 4th St.,
San Dimas, California.

(4-A) - Physical description: Property owned by applicant consists of Nancy June No, located in 1938; the Nancy June No. 2 and No. 3 located in 1941 and the Barbara Ann No. 1 and No. 2 located and recorded July 9, 1954. All are lode claims. Previous work on the Nancy June group was prosecuted in a search for gold and silver. One addit on the Nancy June lode No. 1 was run for 165 ft. in an effort to contact a concentration of small veins without success. No commercial production to date on any of the claims.

Before 1900 mining history of California indicates that considerable gold was extracted from comparatively shallow workings apparently following rich stringers, but no depth was attained.

The present exploration being conducted on the property consists mostly of shallow trenches in an attempt to locate ore bodies from which the ~~xxxxxxxxxxxx~~ ~~xxx~~ radioactive emanations have come. Exploration in the past four months has been in an effort to locate the origin of the uranium oxide concentrated in the black sands of a dry creek which runs the length of the property.

(4-B) Not applicable.

(4-C) Uranium oxide found in heavy black sand in ordinarily dry creek bed which traverses Gold Hill. Heaviest concentration is about 200 yards from the summit of Gold Hill and I obtained 10½ lbs. of concentrates from 19 lbs. of material. So far concentrates show zircon, magnatite, gold and uranium oxide. The claims are on the northeast slope and top of Gold Hill and the slope is bisected by shallow, narrow gulches, the ridges of which mostly show strong radioactivity. Apparently overburden covers deposits and ore bodies. This being the enterprise I wish to undertake - uncovering such possible lodes and depositx.

Area shows much volcanic activity in past ages. Igneous rocks show much radioactivity adjacent to above mentioned dry creek bed. There are deposits of carbon which show oil when soaked with alcohol (not radioactive). Volcanic tufa is exposed on cliffside on Nancy June No. 3. Area is fractured, veins carrying fairly high content of gold which have been followed, disappear and reappear some distance from original veins.

Applicant believes that with a D-4 caterpillar bulldozer and close sampling that he can uncover the source of primary uranium ores now being mined at the Ashbey Holdings at Rosamond, California, in the form of autinite, as it is believed that my property is on the same fault as Ashbey's and may be the source of his secondary uranium minerals.

Roy O. Ernst.,
305 W. 4th,
San Dimas, Calif.

~~4~~ (4-D) The five claims previously mentioned as being the property of the applicant are hereinafter to be known as the Desert View Group, but will each retain its original name. The group are reasonably easy of access, located in Ventura County, in the snowy mining district on Gold Hill in Township 7 North, Range 19 West, approximately 70 miles from Los Angeles, California. Travel to the group is over the well paved ridge route towards Bakersfield to Gorman, California, thence southwest approximately 15 miles over quite well kept county and government roads, which are gravel; then 1½ miles over what is now a 4-wheel drive vehicle (only) road; applicant uses the Castaic Mine Road for one mile. Castaic Mine is closed at this writing and normally, when mine is running, can be used by automobiles. The last half mile to applicant's property is a jeep road only and it would take approximately seven eight-hour days with a bulldozer and tumblebug in order to bring in needed equipment and supplies. Nearest shipping point would be Saugus, California, on the Southern Pacific Railroad, which is approximately 37 miles from applicant's claims. Supplies would be trucked in. Gorman, on the ridge route, has store, postoffice and cafe and service stations.

(4-E) Applicant and one man will be able to do the required work. Materials and supplies will be kept to a minimum and can be obtained locally, as well as can supplies and equipment. Applicant has a water tunnel, originally following a vein showing silver. Water supply is low at this time of the year, but believe that more water can be developed by core drilling and other thirty or fifty feet. The Piru Creek, which has year-round flow, is on the south edge of the Nancy June No. 3 lode claim, but there is approximately a 700-ft. drop from where the work is being prosecuted to the bed of the creek. Materials could be trucked to the Piru Creek via the Castaic Mine trail and there processed, a distance of approximately 2 miles. Applicant believes, however, that by drilling in ~~[illegible]~~ face of tunnel that water would be available for a small operation and that a few days with a bulldozer making shallow reservoirs, faced with cement, that sufficient winter water could be impounded to operate a small outfit throughout the summer months.

Power necessary can be supplied as needed by small gas or electric motors.

Roy O. Ernst,
305 W. 4th St.,
San Dimas, Calif.

(5-B) Applicant intends to bulldoze off the overburden from each ridge that shows sufficiently high radioactivity and closely sample material exposed in effort to locate ore bodies which contribute to the concentration of uranium oxide in dry creek bed previously described. Location of property to be explored is in a sloping shallow basin and near the top of the mountain called Gold Hill, which is approximately 5000 ft. elevation. The concentration previously described cannot come from a very distant source, as the top of the mountain is not over 300 yds. from the deposits described and other materials contained in the black sand, such as gold, zircon, magnatite, etc. show very little wear, indicating that material does not come from a distance. According to all the books available to applicant, the indications all point to uranium ~~xxxx~~ ores on the property described. The black sand concentrations occur along the dry creek bed for approximately one half mile and then there is a high falls, dry most of the year, dropping down into the Piru Creek.

(5-D) Applicant's operating experience is limited, experience so far being in the attempt fo develop gold possibilities on the claims mentioned and attempting too much with too little. However, knowing the area as I do, I believe I am well qualified to direct and prosecute the development of the ~~xxx~~ property to the extent necessary to make production of strategic materials in which the government is interested.

Applicant firmly believes that the property mentioned can be the source of primary uranium ores and that these ores will be found at no great depth. Thus, trenching, removing of overburden, and comparatively shallow shafts will be sufficient in locating such material in veins or lodes.

Any supervision will be handled by applicant, who, after October 1, 1954, will have no other interests than that of exploration and development until the property is proven or disproven.

~~Supplement~~
Roy O. Ernst,
305 W. 4th St.,
San Dimas, Calif.

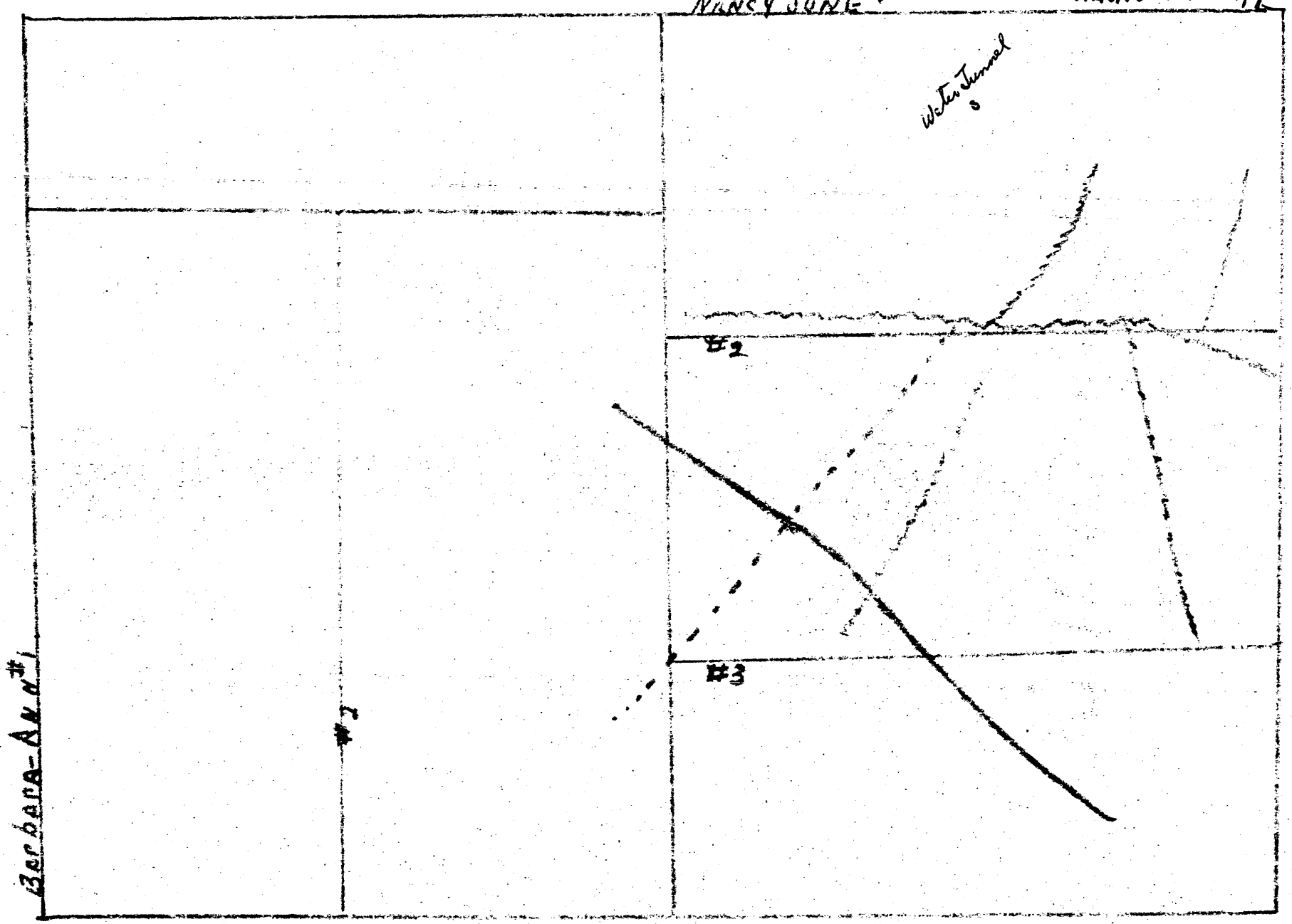
6-A	None	
B-1	Superintendent $300. per month (parttime. Will also handle powder and make certain chemical tests	$300.00
	2 laborers (miners) $350. ea. per mo. including bd & rm	700.00
C-	Fuel oil for tractor average of 20 gal per day @ 22¢ gal.	132.00
	Gasoline for 4 wheel drive army type truck 15 gal per da @ 27¢	121.50
	1 Case dynamite per mo.	30.00
	2 wheelburrows $19. each	38.00
	4 round point shovels @ $4.50 ea.	18.00
	2 picks @ $5.	10.00
	1 mattock	5.00
	100 ft. 1 inch rope or line	8.00
	100 ft. 1/2" rope or line	4.00
	50 ft. 1/2" wire cable and hooks	22.00
	4 screens different size mesh @ $4.00	16.00
D-	1 Skip loader and Trencher	2800.00
	1 4 wheel drive Army type truck	1500.00
	1 Jeep 4 wheel drive (owned by applicant and to be used)	700.00
E-	Not applicable	
F-	1 12 x 14 Cabin to be built by applicant at cost $3.00 sq.ft. (168 sq.ft)	504.00
	1 6 x 14 lean-to at $3.00 per sq.ft. (84 sq.ft)	252.00
	1 24 x 20 equipment shed, no floor, $2.00 per sq.ft.	960.00
G-	Applicant will furnish repairs to equipment. Analytical work will consist of weekly assays by Smith & Emery Co., 781 E. Washington, Los Angeles, who charge $10. for uranium test per sample, average one a week - per mo.	40.00
	Work to be done by applicant and son-in-law, who both carry their own insurance. Son-in-law will have a percentage interest in any profits but does not own an interest in any of the property being explored.	
H-	Unforseen contingencies, conservative estimate per mo.	125.00
	Total	$ 8,285.50

T7N-R19W SEC-15-Gold Hill
Snowy-Mining District
Ventura-Co. California

{Roy O. Ernst
306 W 4th St.
San Dimas-California}

N

LEGEND-mm-Radio Act. Creek-bed
Radio-Active Ridge
Inacable-deposit
Radio-Activity present



9/20/54 gla

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

DATE: September 14, 1954

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Application, DMEA Docket 3473 (uranium), Roy O. Ernest, 305 W. 4th St., San Dimas, California, applicant; Desert View claims, Sec. 15, T. 7 N., R. 19 W., S.B.B.M., Ventura County, California

I have reviewed the application identified in the subject above. The applicant proposes an unspecified amount of surface excavation by bulldozing at an estimated cost of $8,285 to expose and explore bedrock that is covered by overburden. According to the applicant, the overburden is abnormally radioactive.

Factual data contained in the application is insufficient to fully evaluate the merits of the proposed exploration. So far as I have been able to determine, the files of the Geological Survey contain no data pertinent to the area covered by the application.

Recommendation

I recommend that the application be forwarded to the Field Team for review and evaluation of its merits and of the details of any exploration that may be warranted.

Copy to: E. Wm. Ellis (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
AUG 31 1954

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. 3473
Metal or Mineral Uranium
Date Received
Estimated Cost $8,286
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: Roy O. Ernst - 305 W 4th Street - San Dimas California

(*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 Lode Claims - Nancy June Vol. 573 Page 153 Nancy June #2 - Book 1220 Page 140 Nancy June #3 Book 1220 Page 138 Barbara - Ann #1 Book 1220 Page 276 - Barbara Ann #2 Book 1220 Page 278 Ventura Co. Calif. Recorders Office

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner by virtue of Location + occupancy

(*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.

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 URANIUM

(*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 days and be completed within 12 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 [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 August 12, 1954

Roy O. Ernst
(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.

INT.-DUP. SEC., WASH., D.C. 64941

Roy O. Ernst,
305 W. 4th St.,
San Dimas, California.

DEPT. OF THE INTERIOR
Minerals Administration
RECEIVED
AUG 31 1954

(4-A) - Physical description: Property owned by applicant consists of Nancy June No, located in 1938; the Nancy June No. 2 and No. 3 located in 1941 and the Barbara Ann No. 1 and No. 2 located and recorded July 9, 1954. All are lode claims. Previous work on the Nancy June group was prosecuted in a search for gold and silver. One addit on the Nancy June lode No. 1 was run for 165 ft. in an effort to contact a concentration of small veins without success. No commercial production to date on any of the claims.

Before 1900 mining history of California indicates that considerable gold was extracted from comparatively shallow workings apparently following rich stringers, but no depth was attained.

The present exploration being conducted on the property consists mostly of shallow trenches in an attempt to locate ore bodies from which the ~~xxxxxxxxxxxx~~ xxx radioactive emanations have come. Exploration in the past four months has been in an effort to locate the origin of the uranium oxide concentrated in the black sands of a dry creek which runs the length of the property.

(4-B) Not applicable.

(4-C) Uranium oxide found in heavy black sand in ordinarily dry creek bed which traverses Gold Hill. Heaviest concentration is about 200 yards from the summit of Gold Hill and I obtained 10½ lbs. of concentrates from 19 lbs. of material. So far concentrates show sircon, magnatite, gold and uranium oxide. The claims are on the northeast slope and top of Gold Hill and the slope is bisdected by shallow, narrow gulches, the ridges of which mostly show strong radioactivity. Apparently overburden covers deposits and ore bodies. This being the enterprise I wish to undertake - uncovering such possible lodes and deposits.

Area shows much volcanic activity in past ages. Igneous rocks show much radioactivity adjacent to above mentioned dry creek bed. There are deposits of carbon which show oil when soaked with alcohol (not radioactive). Volcanic tufa is exposed on cliffside on Nancy June No. 3. Area is fractured, veins carrying fairly high content of gold which have been followed, disappear and reappear some distance from original veins.

Applicant believes that with a D-4 caterpillar bulldozer and close sampling that he can uncover the source of primary uranium ores now being mined at the Ashbey Holdings at Rosamond, California, in the form of autinite, as it is believed that my property is on the same fault as Ashbey's and may be the source of his secondary uranium minerals.

Roy O. Ernst.,
305 W. 4th,
San Dimas, Calif.

~~4d~~ (4-D) The five claims previously mentioned as being the property of the applicant are hereinafter to be known as the Desert View Group, but will each retain its original name. The group are reasonably easy of access, located in Ventura County, in the ~~mooy~~ mining district on Gold Hill in Township 7 North, Range 19 West, approximately 70 miles from Los Angeles, California. Travel to the group is over the well paved ridge route towards Bakersfield to Gorman, California, thence southwest approximately 15 miles over quite well kept county and government roads, which are gravel; then 1½ miles over what is now a 4-wheel drive vehicle (only) road; applicant uses the Castaic Mine Road for one mile. Castaic Mine is closed at this writing and normally, when mine is running, can be used by automobiles. The last half mile to applicant's property is a jeep road only and it would take approximately seven eight-hour days with a bulldozer and tumblebug in order to bring in needed equipment and supplies. Nearest shipping point would be Saugus, California, on the Southern Pacific Railroad, which is approximately 37 miles from applicant's claims. Supplies would be trucked in. Gorman, on the ridge route, has store, postoffice and cafe and service stations.

(4-E) Applicant and one man will be able to do the required work. Materials and supplies will be kept to a minimum and can be obtained locally, as well as can supplies and equipment. Applicant has a water tunnel, originally following a vein showing silver. Water supply is low at this time of the year, but believe that more water can be developed by core drilling and other thirty or fifty feet. The Piru Creek, which has year-round flow, is on the south edge of the Nancy June No. 3 lode claim, but there is approximately a 700-ft. drop from where the work is being prosecuted to the bed of the creek. Materials could be trucked to the Piru Creek via the Castaic Mine trail and there processed, a distance of approximately 2 miles. Applicant believes, however, that by drilling in ~~[illegible]~~ face of tunnel that water would be available for a small operation and that a few days with a bulldozer making shallow reservoirs, faced with cement, that sufficient winter water could be impounded to operate a small outfit throughout the summer months.

Power necessary can be supplied as needed by small gas or electric motors.

Roy O. Ernst,
305 W. 4th St.,
San Dimas, Calif.

(5-B) Applicant intends to bulldoze off the overburden from each ridge that shows sufficiently high radioactivity and closely sample material exposed in effort to locate ore bodies which contribute to the concentration of uranium oxide in dry creek bed previously described. Location of property to be explored is in a sloping shallow basin and near the top of the mountain called Gold Hill, which is approximately 5000 ft. elevation. The concentration previously described cannot come from a very distant source, as the top of the mountain is not over 300 yds. from the deposits described and other materials contained in the black sand, such as gold, zircon, magnatite, etc. show very little wear, indicating that material does not come from a distance. According to all the books available to applicant, the indications all point to uranium ~~mother~~ ores on the property described. The black sand concentrations occur along the dry creek bed for approximately one half mile and then there is a high falls, dry most of the year, dropping down into the Piru Creek.

(5-D) Applicant's operating experience is limited, experience so far being in the attempt to develop gold possibilities on the claims mentioned and attempting too much with too little. However, knowing the area as I do, I believe I am well qualified to direct and prosecute the development of the ~~pur~~ property to the extent necessary to make production of strategic materials in which the government is interested.

Applicant firmly believes that the property mentioned can be the source of primary uranium ores and that these ores will be found at no great depth. Thus, trenching, removing of overburden, and comparatively shallow shafts will be sufficient in locating such material in veins or lodes.

Any supervision will be handled by applicant, who, after October 1, 1954, will have no other interests than that of exploration and development until the property is proven or disproven.

~~Exp.Proc.Ernst~~
Roy O. Ernst,
305 W. 4th St.,
San Dimas, Calif.

6-A	None	
B-1	Superintendent $300. per month (parttime. Will also handle powder and make certain chemical tests	$300.00
	2 Laborers (miners) $350. ea. per mo. including bd & rm	700.00
C-	Fuel oil for tractor average of 20 gal per day @ 22¢ gal.	132.00
	Gasoline for 4 wheel drive army type truck 15 gal per da @ 27¢	121.50
	1 Case dynamite per mo.	30.00
	2 wheelbarrows $19. each	38.00
	4 round point shovels @ $4.50 ea.	18.00
	2 picks @ $5.	10.00
	1 mattuck	5.00
	100 ft. 1 inch rope or line	8.00
	100 ft. 1/2" rope or line	4.00
	50 ft. 1/2" wire cable and hooks	22.00
	4 screens different size mesh @ $4.00	16.00
D-	1 Skip Loader and Trencher	2800.00
	1 4 wheel drive Army type truck	1500.00
	1 Jeep 4 wheel drive (owned by applicant and to be used)	700.00
E-	Not applicable	
F-	1 12 x 14 Cabin to be built by applicant at cost $3.00 sq.ft. (168 sq.ft)	504.00
	1 6 x 14 lean-to at $3.00 per sq.ft. (84 sq.ft)	252.00
	1 24 x 20 equipment shed, no floor, $2.00 per sq.ft.	960.00
G-	Applicant will furnish repairs to equipment. Analytical work will consist of weekly assays by Smith & Emory Co., 781 E. Washington, Los Angeles, who charge $10. for uranium test per sample, average one a week - per mo.	40.00
	Work to be done by applicant and son-in-law, who both carry their own insurance. Son-in-law will have a percentage interest in any profits but does not own an interest in any of the property being explored.	
H-	Unforseen contingencies, conservative estimate per mo.	125.00
	Total	$ 8,285.50

T7N-R19W SEC-15-Gold Hill
Snowy-Mining District
Ventura-Co. California

(Roy O. Ernst
306 W 4th St.
San Dimas-California)

N

LEGEND - Radio Active Creek-beds
Radio-Active Mine
Inaccessable-deposit
Radio-Activity present

Nancy June #1

Water Tunnel

Cabin & Mine

#2

#3

#1

#2

Sacramento-Ave

W

E

Pico-Creek

S

9/14/54 gla

San Dimas. California
September 10 - 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 13 1954

Robert E. Adams. Chief.
D M E A. Administration
Washington D.C.

DMEA-3473
Re: Exploration assistance
Desert View Claims

Dear Sir:

In re my application, it may be of interest and help to know that this date I received a specimen analysis made on material from my claims by U. S. Bureau of Mines. Salt Lake City under Sample Reference Number UP-2446-1 as follows

Nature and Analysis of Sample. Quote -
" A pematitic sample containing quartz - biotite, feldspar - gnion - monazite and euxenite. Qualitative chemical tests for columbium - tantalum uranium and phosphate were positive - A radiometric analysis gave 0.61% U_3O_8 equivalent which is in part caused by the thorium content and in part by the uranium content."

The ore from which the analysis was made is heavy and black - massive and very little other other coloring. However since sending that specimen I have found heavier material - in much larger pieces and with some surfaces bright like newly fractured coal: Outside surface - brownish black and greasy feeling. Outside surface is rounded and has all the appearance of Pitchblende as described in Atomic Energy Commissions booklet. Would the commission be interested in this material and in what quantity. Any assistance from you will be appreciated

Respectfully
Roy A. Arnst
305 W 4th St.
San Dimas California

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

September 2, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA-3473 Roy O. Ernst

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

September 2, 1954

Mr. Roy O. Ernst
305 W. 4th St.
San Dimas, Calif.

Subject: DMEA-3473
Re: Exploration Assistance
Desert View Claims

Dear Sir:

The receipt of your application dated August 12, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3473 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 31 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

August 27, 1954

Memorandum

To: Defense Minerals Exploration Administration
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application Forms MF-103 - Uranium
Roy O. Ernst
305 W. 4th Street
San Dimas, California

Attached are three sets of MF-103 forms received in our mail from Mr. Roy O. Ernst, making application for a loan on the Desert View Claims in Ventura County, California. The fourth set has been retained for our records.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

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

RECEIVED

420 Custom House
555 Battery Street
San Francisco 11, Calif.

August 27, 1954

Memorandum

To: Defense Minerals Exploration Administration
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application Forms MF-103 - Uranium
Roy O. Ernst
305 W. 4th Street
San Dimas, California

Attached are three sets of MF-103 forms received in our mail from Mr. Roy O. Ernst, making application for a loan on the Desert View Claims in Ventura County, California. The fourth set has been retained for our records.

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
AUG 31 1954

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. 3473
Metal or Mineral Uranium
Date Received
Estimated Cost $8,286
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: Roy. O. Ernst-305 W 4th Street-San Dimas, California

(*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 Lode Claims-Nancy June-Vol-573 Page-153 Nancy-June #2-Book 1220-Page 140-Nancy June #3-Book 1220 Page-138 Barbara Ann #1-Book 1214 Page 276-Barbara Ann #2 Book 1220 Page 278 Ventura Co. California Recorders Office

(*b*) State any mine name by which the property is known. Desert View-Claims

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner by virtue of Location + occupancy

(*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.

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 Uranium

(*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 days and be completed within 12 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 [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 August 12, 1954

Roy O. Ernst
(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.

INT.-DUP. SEC., WASH., D.C. 64941

Roy O. Ernst,
305 W. 4th St.,
San Dimas, California.

(4-A) - Physical description: Property owned by applicant consists of Nancy June No, located in 1938; the Nancy June No. 2 and No. 3 located in 1941 and the Barbara Ann No. 1 and No. 2 located and recorded July 9, 1954. All are lode claims. Previous work on the Nancy June group was prosecuted in a search for gold and silver. One addit on the Nancy June lode No. 1 was run for 165 ft. in an effort to contact a concentration of small veins without success. No commercial production to date on any of the claims.

Before 1900 mining history of California indicates that considerable gold was extracted from comparatively shallow workings apparently following rich stringers, but no depth was attained.

The present exploration being conducted on the property consists mostly of shallow trenches in an attempt to locate ore bodies from which the ~~radioactivity~~ ~~xxx~~ radioactive emanations have come. Exploration in the past four months has been in an effort to locate the origin of the uranium oxide concentrated in the black sands of a dry creek which runs the length of the property.

(4-B) Not applicable.

(4-C) Uranium oxide found in heavy black sand in ordinarily dry creek bed which traverses Gold Hill. Heaviest concentration is about 200 yards from the summit of Gold Hill and I obtained 10½ lbs. of concentrates from 19 lbs. of material. So far concentrates show zircon, magnatite, gold and uranium oxide. The claims are on the northeast slope and top of Gold Hill and the slope is bisected by shallow, narrow gulches, the ridges of which mostly show strong radioactivity. Apparently overburden covers deposits and ore bodies. This being the enterprise I wish to undertake - uncovering such possible lodes and deposits.

Area shows much volcanic activity in past ages. Igneous rocks show much radioactivity adjacent to above mentioned dry creek bed. There are deposits of carbon which show oil when soaked with alcohol (not radioactive). Volcanic tufa is exposed on cliffside on Nancy June No. 3. Area is fractured, veins carrying fairly high content of gold which have been followed, disappear and reappear some distance from original veins.

Applicant believes that with a D-4 caterpillar bulldozer and close sampling that he can uncover the source of primary uranium ores now being mined at the Ashbey Holdings at Rosamond, California, in the form of autinite, as it is believed that my property is on the same fault as Ashbey's and may be the source of his secondary uranium minerals.

Roy O. Ernst.,
305 W. 4th,
San Dimas, Calif.

~~4~~ (4-D) The five claims previously mentioned as being the property of the applicant are hereinafter to be known as the Desert View Group, but will each retain its original name. The group are reasonably easy of access, located in Ventura County, in the snowy mining district on Gold Hill in Township 7 North, Range 19 West, approximately 70 miles from Los Angeles, California. Travel to the group is over the well paved ridge route towards Bakersfield to Gorman, California, thence southwest approximately 15 miles over quite well kept county and government roads, which are gravel; then 1½ miles over what is now a 4-wheel drive vehicle (only) road; applicant uses the Castaic Mine Road for one mile. Castaic Mine is closed at this writing and normally, when mine is running, can be used by automobiles. The last half mile to applicant's property is a jeep road only and it would take approximately seven eight-hour days with a bulldozer and tumblebug in order to bring in needed equipment and supplies. Nearest shipping point would be Saugus, California, on the Southern Pacific Railroad, which is approximately 37 miles from applicant's claims. Supplies would be trucked in. Gorman, on the ridge route, has store, postoffice and cafe and service stations.

(4-E) Applicant and one man will be able to do the required work. Materials and supplies will be kept to a minimum and can be obtained locally, as well as can supplies and equipment. Applicant has a water tunnel, originally following a vein showing silver. Water supply is low at this time of the year, but believe that more water can be developed by core drilling another thirty or fifty feet. The Piru Creek, which has year-round flow, is on the south edge of the Nancy June No. 3 lode claim, but there is approximately a 700-ft. drop from where the work is being prosecuted to the bed of the creek. Materials could be trucked to the Piru Creek via the Castaic Mine trail and there processed, a distance of approximately 2 miles. Applicant believes, however, that by drilling in face of tunnel that water would be available for a small operation and that a few days with a bulldozer making shallow reservoirs, faced with cement, that sufficient winter water could be impounded to operate a small outfit throughout the summer months.

Power necessary can be supplied as needed by small gas or electric motors.

Roy O. Ernst,
305 W. 4th St.,
San Dimas, Calif.

(5-B) Applicant intends to bulldoze off the overburden from each ridge that shows sufficiently high radioactivity and closely sample material exposed in effort to locate ore bodies which contribute to the concentration of uranium oxide in dry creek bed previously described. Location of property to be explored is in a sloping shallow basin and near the top of the mountain called Gold Hill, which is approximately 5000 ft. elevation. The concentration previously described cannot come from a very distant source, as the top of the mountain is not over 300 yds. from the deposits described and other materials contained in the black sand, such as gold, zircon, magnatite, etc. show very little wear, indicating that material does not come from a distance. According to all the books available to applicant, the indications all point to uranium ~~under~~ ores on the property described. The black sand concentrations occur along the dry creek bed for approximately one half mile and then there is a high falls, dry most of the year, dropping down into the Piru Creek.

(5-D) Applicant's operating experience is limited, experience so far being in the attempt to develop gold possibilities on the claims mentioned and attempting too much with too little. However, knowing the area as I do, I believe I am well qualified to direct and prosecute the development of the ~~per~~ property to the extent necessary to make production of strategic materials in which the government is interested.

Applicant firmly believes that the property mentioned can be the source of primary uranium ores and that these ores will be found at no great depth. Thus, trenching, removing of overburden, and comparatively shallow shafts will be sufficient in locating such material in veins or lodes.

Any supervision will be handled by applicant, who, after October 1, 1954, will have no other interests than that of exploration and development until the property is proven or disproven.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 31 1954

~~Roy D. Ernst~~
Roy O. Ernst,
305 W. 4th St.,
San Dimas, Calif.

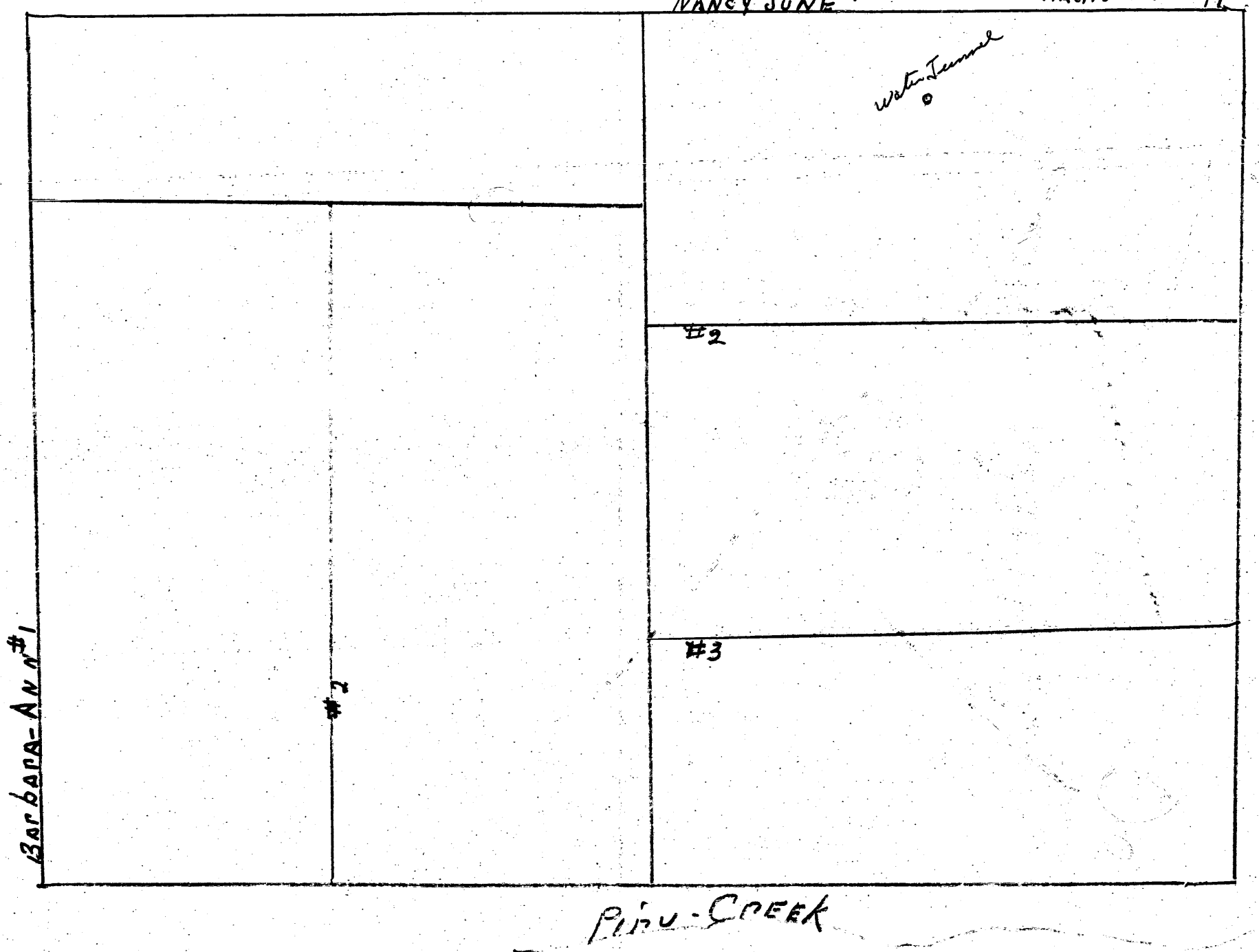
6-A	None	
B-1	Superintendent $300. per month (parttime. Will also handle powder and make certain chemical tests	$300.00
	2 Laborers (miners) $350. ea. per mo. including bd & rm	700.00
C-	Fuel oil for tractor average of 20 gal per day @ 22¢ gal.	132.00
	Gasoline for 4 wheel drive army type truck 15 gal per da @ 27¢	121.50
	1 Case dynamite per mo.	30.00
	2 wheelbarrows $19. each	38.00
	4 round point shovels @ $4.50 ea.	18.00
	2 picks @ $5.	10.00
	1 mattuck	5.00
	100 ft. 1 inch rope or line	8.00
	100 ft. 1/2" rope or line	4.00
	50 ft. 1/2" wire cable and hooks	22.00
	4 screens different size mesh @ $4.00	16.00
D-	1 Skip Loader and Trencher	2800.00
	1 4 wheel drive Army type truck	1500.00
	1 Jeep 4 wheel drive (owned by applicant and to be used)	700.00
E-	Not applicable	
F-	1 12 x 14 Cabin to be built by applicant at cost $3.00 sq.ft. (168 sq.ft)	504.00
	1 6 x 14 lean-to at $3.00 per sq.ft. (84 sq.ft)	252.00
	1 24 x 20 equipment shed, no floor, $2.00 per sq.ft.	960.00
G-	Applicant will furnish repairs to equipment. Analytical work will consist of weekly assays by Smith & Emory Co., 781 E. Washington, Los Angeles, who charge $10. for uranium test per sample, average one a week - per mo.	40.00
	Work to be done by applicant and son-in-law, who both carry their own insurance. Son-in-law will have a percentage interest in any profits but does not own an interest in any of the property being explored.	
H-	Unforseen contingencies, conservative estimate per mo.	125.00
	Total	$8,285.50

T7N-R19W SEC-15-Gold Hill
Snowy-Mining District
Ventura-Co. California

Roy O. Ernst
306 W 4th St.
San Dimas. California

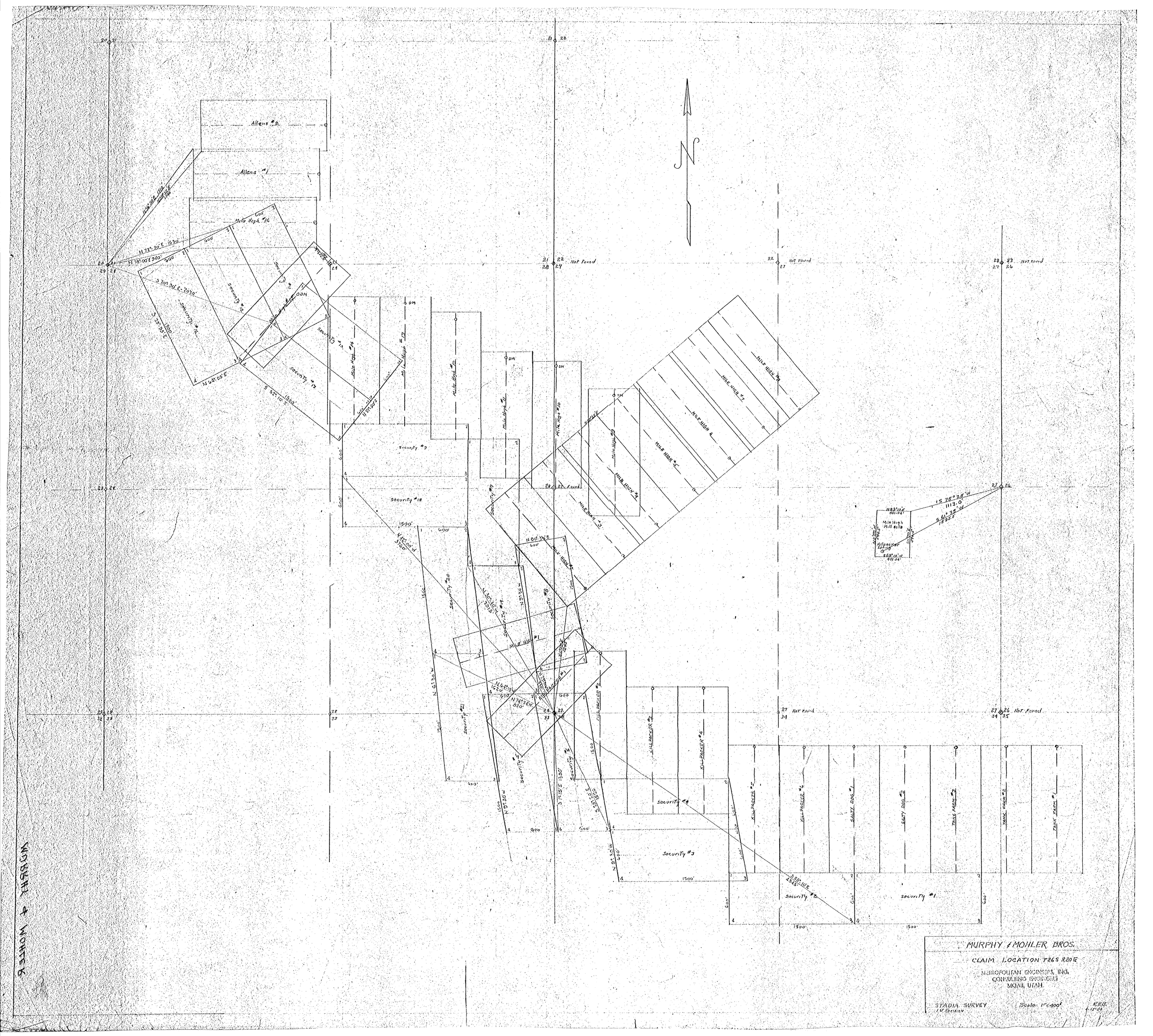
N

LEGEND.
Radio Active Creek-beds
Radio-Active Ridge
Snacable-deposit
Radio-Activity present



DENVER
AUG
30
7 PM
1954
COLO.

Defense Minerals Exploration Administration
U.S. Dept. of the Interior
Interior Bldg.
Washington 25, D.C.

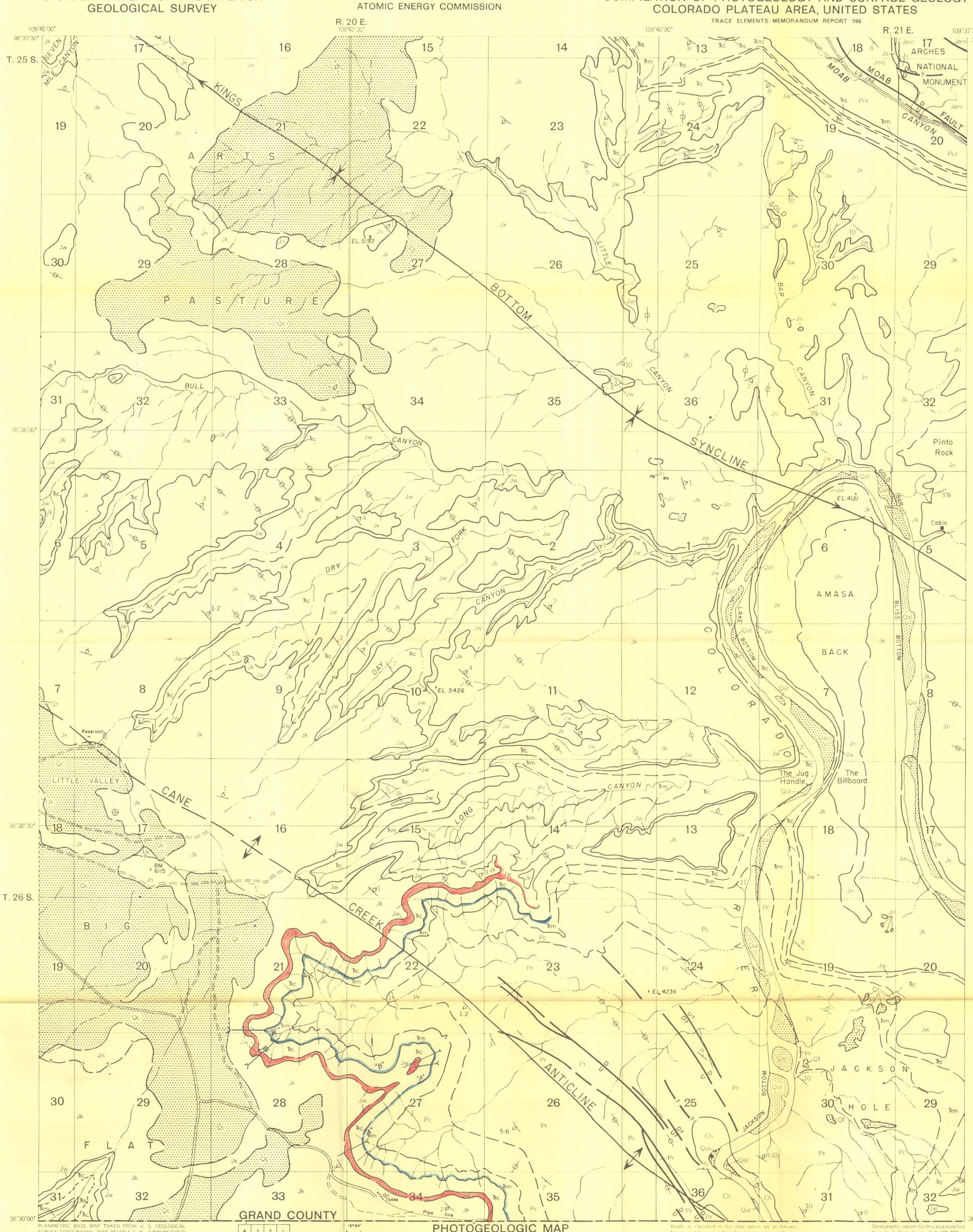

MURPHY & MOHLER BROS.
CLAIM LOCATION T26S R20E
METROPOLITAN ENGINEERS, INC.
CONSULTING ENGINEERS
MOAB, UTAH
STADIA SURVEY
1st Division
Scale: 1"=400'
Allens #2
Allens #1
Mile High #14
Security #12
Security #13
Security #14
Security #15
Security #16
Security #17
Security #18
Security #19
Security #20
Security #21
Mile High #1
Mile High #2
Mile High #3
Mile High #4
Mile High #5
Mile High #6
Mile High #7
Mile High #8
Mile High #9
Mile High #10
Mile High #11
Mile High #12
Mile High #13
Mile High #14
Mile High Mill site
Killpacker #1
Killpacker #2
Killpacker #3
Killpacker #4
Killpacker #5
Killpacker #6
Salty Dock #1
Salty Dock #2
Tailing Pond #2
Tank Farm #2
Tank Farm #1
Not Found
Found

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

COMPILATION OF PHOTOGEOLOGY AND SURFACE GEOLOGY
COLORADO PLATEAU AREA, UNITED STATES

TRACE ELEMENTS MEMORANDUM REPORT 598



EXPLANATION

Qal, Qt, Qc	Alluvium, Qal; terrace deposits, Qt; covering deposits, undifferentiated, Qc	QUATERNARY
Jms	Salt Wash sandstone member of the Morrison formation	JURASSIC (Upper)
Js	Summerville formation	JURASSIC (Upper)
Jem	Moab tongue of the Entrada sandstone	JURASSIC (Upper)
Jn	Navajo sandstone	JURASSIC (?)
Jk	Kayenta formation	JURASSIC (?)
Jw	Wingate sandstone	JURASSIC (?)
Ꞧc	Chinle formation	TRIASSIC (Upper)
Ꞧs	Shinarump conglomerate	TRIASSIC (Upper)
Ꞧm	Moenkopi formation	TRIASSIC (Lower)
Pc	Cutler formation	PERMIAN
Pcr	Cutler and Rico formations, undifferentiated	PERMIAN
Pr	Rico formation	PERMIAN
Ch	Hermosa formation	CARBONIFEROUS (Pennsylvanian)

Contact
(Can be accurately located within 30 feet horizontally)

Contact
(Can be approximately located within 30 to 200 feet horizontally)

Contact
(Cannot be located accurately; probable error greater than 200 feet)

Probable or doubtful contact

Fault
(U, upthrown side; D, downthrown side. Dashed where approximately located)

Probable or doubtful fault

Anticline
Showing trace of axial plane
(Dashed where approximately located)

Syncline
Showing trace of axial plane and direction of plunge

Strike and dip of beds
(Based on field measurement)

Strike and dip of beds
(Based on photo-interpretation)

Inferred strike and dip of beds
(Based on photo-interpretation)

Horizontal beds

Conspicuous resistant bed within a formation
(May be traceable only locally)

Strike of approximately vertical joints
(Based on photo-interpretation)

Abandoned oil well

Primary road

Secondary road

Trail

National Monument boundary

County boundary

BM 6115
Bench mark

PLANIMETRIC BASE MAP TAKEN FROM U. S. GEOLOGICAL SURVEY TOPOGRAPHIC MAP MOAB 4, S. W., (UNPUBLISHED)

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

GRAND COUNTY

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

MOAB QUADRANGLE

15°30'
TRUE NORTH
MAGNETIC NORTH

PHOTOGEOLOGIC MAP
MOAB-15
GRAND COUNTY, UTAH

PHOTOGEOLOGY BY V.M.HOSLEY
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000
0 — 1 MILE
MARCH 1953

Roads as classified on this map series are as follows: Primary roads are maintained and graded, traversable by two wheel-drive vehicles; secondary roads are traversable possibly by two-wheel-drive vehicles; trails are not traversable by four-wheel-drive vehicles except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

Stratigraphic column for this area modified from U. S. Geol. Survey Bull. 908, 1940.

U 246 SW

MOAB BLUEPRINT CO.
ARCHES BUILDING
MOAB, UTAH