DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2458

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 PROJECT

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.

Routing Slip

Copies to USBM, USGS, & Region III.

To:	Code 700, Rm. 4640	Date	3-31-52
To:	Opr. Com.	Date	7-2-52 ~~6-30-52~~
To:	Mr. Mittendorf	Date	
To:	Mails + Files	Date	
To:	Ellis (Docket)	Date	
To:	Op Com	Date	10-31-52
To:		Date	
To:		Date	
To:		Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

FILE COPY
SURNAME:

F.C. Kappe
Ellis
Knowlie
Hedges
Jefferson

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

OCT 31 1952

Messrs. L. Osborn and A. Baseman
Yerington, Nevada

Re: Docket No. DMA-2458 (Iridium)
Lyon County, Nevada

Gentlemen:

Reference is made to your application for Government aid in the amount of $10,000 to explore the captioned project.

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

A careful study of your application and data available to this Agency, and an examination of the property concerned reveal that the probability of disclosing minable reserves by your proposed exploration program is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

If additional work on your property reveals information which makes the project feasible, an application may be submitted for consideration.

Sincerely yours,

C. O. Mittendorf (for)
Administrator

F.H. 10-31-52

FLKnouse/jem
10/30/52
cc to: Adm. Reading File
Docket
Messrs: HDKeiser-R.1347
APbutler-R.3206 GSA
Ellis Knouse
Opr. Com.
Field Team, Region III (2)

10/30/52 gla

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

October 30, 1952

Memorandum

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

From: H. D. Keiser, Bureau of Mines Member,
Uranium Commodity Committee

Subject: Field Team Report, DMEA Docket 2458, Osborn and Bassman property, Lyon County, Nevada.

I have reviewed the subject report and discussed it with Arthur P. Butler, Geological Survey Member, and Joseph O. Hosted, representative of the Atomic Energy Commission.

Mr. Hosted informed me on October 29 that AEC geologists had examined during the preceding several days the property discussed in the subject report, and that they concurred with the Field Team in its finding that "the property does not merit a Government exploration loan" and in its recommendation that "a Government loan is not recommended." Furthermore, Mr. Hosted informed me that the foregoing quoted opinion of the AEC geologists was orally given by them on October 28 to the Salt Lake City, Utah, office of DMEA.

It is recommended that the subject Field Team Report be approved.

H. D. Keiser

H. D. Keiser

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

October 30, 1952

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It is recommended that the subject Field Team Report be approved.

H. D. Keiser

10/28/52
ga

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: Oct. 21, 1952

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

SUBJECT: Final Report, DMEA Docket 2458, Osborn and Bassman property-(Silver Pick and Silver Pick No. 2 claims), Lyon Co., Nev.

I concur with the conclusions of the examining geologists of the Field Team, that uranium minerals are too sparse and too erratically distributed to warrant providing exploration assistance by the Government. I recommend that the application be denied.

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

Copy to E.Wm. Ellis

BUREAU OF MINES
WASHINGTON, D. C.
OCT 28 9 40 AM '52

IN REPLY REFER TO:

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

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

Oct. 21, 1952

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

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Copy to E.Wm. Ellis

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

Oct. 2, 1952

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2458 (Uranium)
L. Osborn and A. Bassman, Yerington, Nevada
Lyon County, Nevada

Reference is made to the request of Frank E. Johnson, dated July 3, requesting a field examination of subject property, if necessary.

Attached are the original and three copies of a report - DMEA-2458, Osborn and Bassman Property, Lyon County, Nevada, by George W. Walker and William P. Irwin, Geologists, U. S. Geological Survey, dated September 26, 1952.

The report indicates that under present economic conditions the property cannot be worked commercially for uranium, nor are there reasonable expectations of finding commercial ore by additional exploration. A Government loan is not justified.

The docket file is returned herewith. As instructed in Mr. Johnson's letter of July 3, we are returning enclosures 2-6 inclusive to the applicant.

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

Attachment

Copy to: E. H. Bailey
A. C. Johnson, Reno

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

Oct. 2, 1952

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S. RICKER

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

Attachment

Copy to: E. H. Bailey
A. C. Johnson, Reno

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 52

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2458, Osborn and Bassman property

Lyon County, Nevada

(Uranium)

George W. Walker, Geologist
William P. Irwin, Geologist
U. S. Geological Survey

September 26, 1952

Reviewed by
DMEA OPERATING COMMITTEE
10-10-52
(date)

Introduction

DMEA docket 2458, Osborn and Bassman property, Lyon County, Nevada, proposes to explore uranium-bearing gouge zones along northeast-trending faults which cut granitic rocks of Jurassic (?) age. Locally, a platy, light-green, radioactive mineral that fluoresces under ultra-violet light occurs disseminated in the gouge. The mineral is tentatively identified as torbernite; the quantity of torbernite exposed on the property is so small that a Government loan is not justified.

In response to a request from the Chairman of the Coordinating Committee of DMEA to Mr. H. C. Miller, Executive Officer, Field Team, Region III, a field examination of the property was made by George W. Walker and William P. Irwin of the U. S. Geological Survey on August 8, 1952. The results of an investigation of the property in October 1950, by M. H. Staatz and H. L. Bauer, Jr., of the Federal Survey are contained in Trace Elements Memorandum Report 228, dated August 1951. Their report covers in some detail the location of the property, the geology, descriptions, of the workings and the ore deposits, including 5 analyses for uranium, and an estimate of the ore reserves. Their evaluation of the deposit, as seen at the time of their examination, indicates that under present economic conditions the deposit cannot be profitably exploited. Therefore, this report is directed entirely toward a re-evaluation of the property, based on exploration and development that has been done by the owners since October 1950.

The examination of the property on August 8, 1952, uncovered no new or addtional evidence that would warrant a change in the evaluation indicated in the report by Staatz and Bauer. Therefore, the property does not merit a Government exploration loan.

Recent Exploration and Development

At the time of the examination by Staatz and Bauer the mine workings -- those driven primarily to explore for uranium -- consisted of a 34-foot shaft sunk along a shear zone at a 52 degree incline and 37 feet of horizontal workings driven from the bottom of the shaft. Since the examination in October 1950, the owners have extended the inclined shaft to a total depth of 52 feet (incline distance) and, from the bottom of the shaft, have driven a total of 107 feet of drifts and crosscuts (see fig. 1). All of the workings are in crushed granitic rock which is highly altered, locally. Fault zones, which trend northeast and dip northwest, commonly contain quartz veins or crushed quartz mixed with a white clay gouge. The quartz veins, and locally, chunks of quartz in the gouge, contain small quantities of galena, chalcocite, and reported silver and gold (native) minerals.

A platy, light-green mineral that fluoresces under ultraviolet light and tentatively identified as torbernite, is found sparsely disseminated in the gouge.

Evaluation of the property

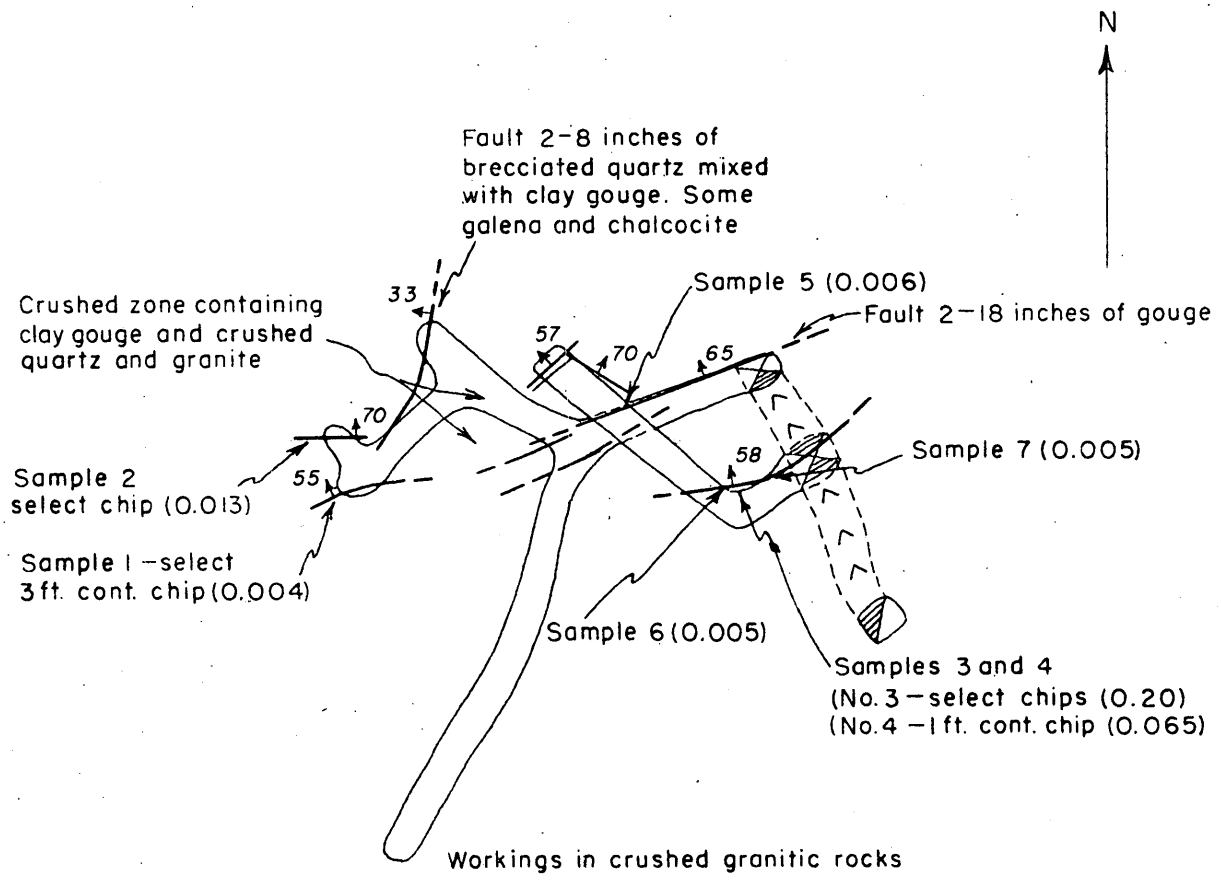
M. H. Staatz and H. L. Bauer, Jr., in Trace Elements Report 228, indicate that uranium-bearing rock on the Osborn and Bassman property (Silver Pick and Silver Pick No. 2 claims) is too low in grade to be worked economically for uranium under present conditions. Assays of five samples collected by Staatz and Bauer ranged from 0.006 to 0.013 percent uranium and the average uranium content of these samples was 0.007 percent.

The examination on August 8, 1952, uncovered no new or additional evidence that would warrant a change in the evaluation indicated by Staatz and Bauer. Recent exploration by the owners has discovered a few abnormally radioactive areas in gouge zones on the lower level. Two continuous chip samples collected at the west end of the lower workings, where radioactivity was the highest, assayed 0.004 and 0.013 percent uranium. In the upper level, two select samples were taken of a 1-foot mineralized gouge zone; one sample, made up of select chips from the gouge zone, assayed 0.20 percent uranium and the other sample, which is a 1-foot continuous chip sample across the gouge zone, assayed 0.065 percent uranium. Assays of samples collected by the owners range up to 0.77 percent U_3O_8 (approximately 0.65 percent uranium), but were probably from picked samples.

Under present economic conditions there is no rock visible on the property that can be mined commercially for uranium, nor are there reasonable expectations of finding mineable ore by additional exploration. The content of other potentially valuable minerals, such as galena, chalcocite, and reported silver and gold (native?) minerals appears to be low; it is doubtful that they can be worked economically. Therefore, a Government loan is not recommended.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-2458
(URANIUM)



Samples 1 to 4 collected by
G. W. Walker, 1952
Samples 5 to 7 collected by
M. H. Staatz and H. L. Bauer, Jr., 1950
(% uranium shown in parentheses)

Brunton and tape survey
and geology by G. W. Walker
and W. P. Irwin
August 1952

20 0 20 40 Feet

UNDERGROUND WORKINGS, OSBORN AND BASSMAN PROPERTY, LYON CO., NEVADA

10/7/5 r gla

OCT 6 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2458, Osborn and Bassman property

Lyon County, Nevada

(Uranium)

George W. Walker, Geologist
William P. Irwin, Geologist
U. S. Geological Survey

September 26, 1952

Introduction

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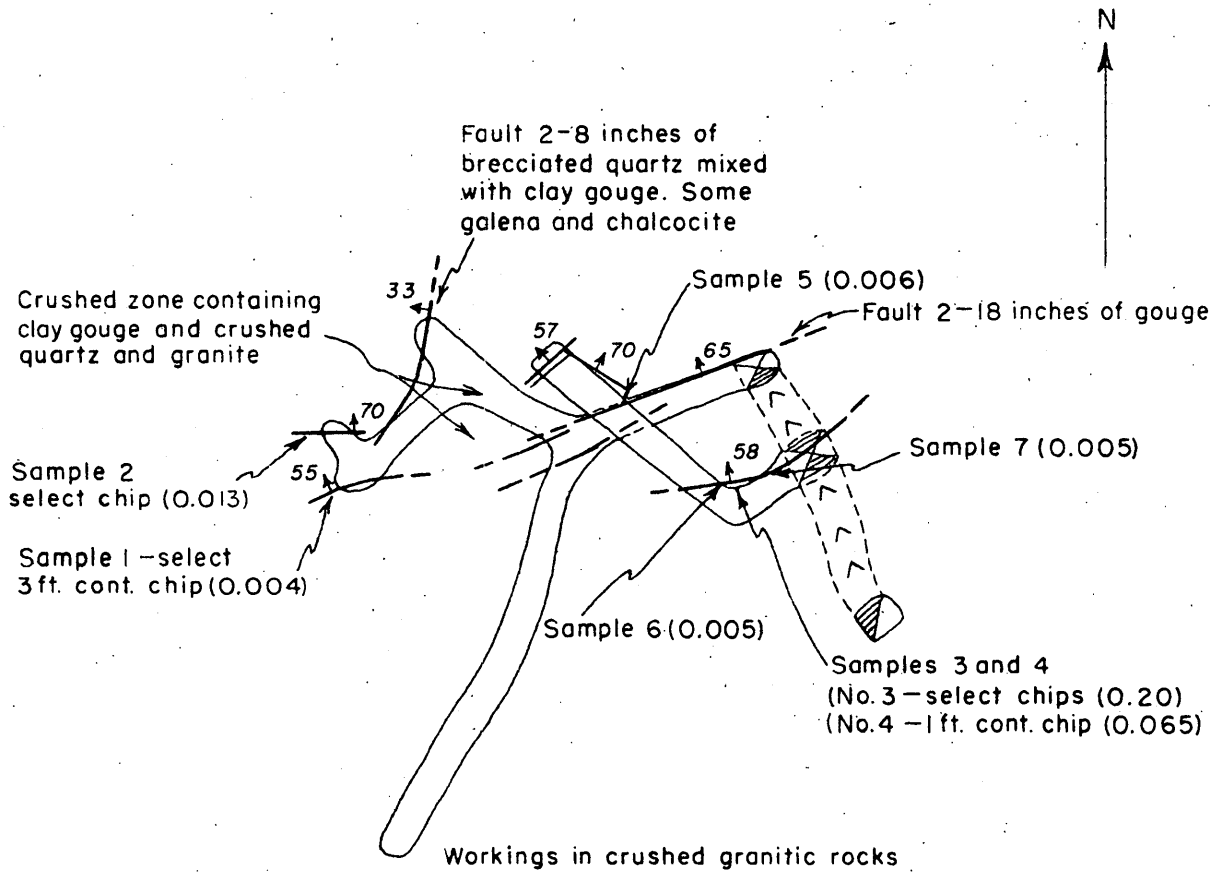
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-2458
(URANIUM)



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(% uranium shown in parentheses)

Brunton and tape survey
and geology by G. W. Walker
and W. P. Irwin
August 1952

20 0 20 40 Feet

UNDERGROUND WORKINGS, OSBORN AND BASSMAN PROPERTY, LYON CO., NEVADA

C
O
P
Y

Yerington, Nevada

June 16, 1952

U. S. Dept. of the Interior

Defense Minerals Exploration Adm.

Washington 25, D. C.

Re: Docket No. DMEA-2458 (Uranium)

Lyon County, Nevada

Dear Sir:

Inclosed is the information you requested on April 15, 1952.

1. The name of claim is 'Silver Pick' and 'Silver Pick' No. 2. There are two claims. Located in Section 33, T8, R27E.

2. Inclosing four assay sheets. These assays are from the White Talk at 50 foot depth. The vein is 50 or 60 feet wide but the white talk is the only thing that assays. It is from one to two feet wide. The rest assays but is in the thousands. We are drifting to the west from the 50 foot level and the white talk is getting wider. The drift is 50 feet long now.

3. The vein is 50 or 60 feet wide. From the top of the hill we can trace it to bottom of hill about one thousand feet. On other side to bottom of hill about five hundred feet, and runs into sand stone of this side. Both walls are hard white granite. Ledge consists of quartz, gouge and talk, with streaks of lead, silver and small amount of gold.

4. Would like to sink the present shaft 200 feet deep and do some drifting to the west.

Would you please return the assay sheets, and would it be possible to send me the government report.

Sincerely yours,

/s/ L. W. Osborn

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2458
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

L. Osborn & A. Bassman
Yerington, Nevada

Name and address of applicant

Date March 14, 1958

If you have already filed MF-100, give date filed March 14, 1958, type of assistance requested exploratory loan

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

The information requested questions 3, 4, 5, 6, 7, 8, and 9 below should answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO-5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Les. W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

Arthur L Bassman
(Title)
PARTNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

SAN FRANCISCO, CALIFORNIA
RECEIVED
DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III

Supplement Sheet.

To

Form, MP.- 103 Applicant- L. Osborn
A. Lessman

Item 1
(a) 8 mining claims.
600 feet by 1500 feet each
(b) Owner.

Item 2
(a) Uranium.
(b) Large ledge 50 or 60 feet wide. Both walls Granite small streaks of Lead & Silver & some Gold. Ledge has traces of uranium with about 2 feet of talk on foot wall. Average of 4 assays of talk 0.30% uranium seems to be getting better with depth. 70 feet now. The U.S.G.S. of Denver, Colo. have a report. We haven't received one yet.

Item 3
(a) To sink shaft 200 feet and do some drifting. About $10,000.00.
(b) To start work as soon as money is available. To complete in about 200 days.

Item 5 1 hours 14'16' on mine.

Item 6 Will need 1 bunk house. Cost about $500.00

Item 7
(a) 1 hoist can be rented.
(b) mining timbers, powder and other small items.
(c) Picks, shovels, drills, mine rails.

Item 8
Partners and one or two miners. $16.00 per. day each.

Item 10
(a) $1,000.00
(b) Yes

Form MF-100
(May 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2458

Date received 3-31-52

L. Osborn & A. Bassman
Yerington, Nevada

Name and address of applicant

Date March 14, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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MAR 31 1952

3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production _____
   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
Leo W. Osborn	Partner	none	30,000				30,000
Yerington, Nev.							
Arthur Bassman	Partner	none	none				none
Yerington, Nev.							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ none	$	$		
Preferred stock	$ none	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Uranium	none	none	none	none
2. Quantity of product processed (specify unit of measure and type of process)	Uranium	none	none	none	none
3. Quantity and grade of product sold or shipped (specify units of measure)	Uranium	none	none	none	none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Supplement Sheet
to
Form MP-100

Applicant: L. Osborn
A. Lessman

Item #1

(a) Uranium
(b) Gold, silver, galena.

Item #2

(a) 58 feet
(b) 150 feet
(c) 85 feet
(d) Two open cuts

Item #3

(a) 17 miles south of Yerington, the nearest town, 50 miles south of Luskin, Nev. trunch line of Southern Pacific R. R.

(b) Old Washington (silver camp)
(c) Sec. 27, Twp. 8, Range 27 E
(d) Lyon County, Nevada

Item #4

(a) Not in operation
(b) Owners

Item #5 None

Item #6 Osborn has 51 years of mining experience mostly prospecting.

Item #7

(a) Has been worked for silver but made no shipments.
(b) In vicinity of Mary Louis coal mine, also some abandoned silver smelters.
(c) No report available-
U. S. G. S. has an unpublished report on property.

Item #11

(a) Intend to explore the talc vein which carries the Uranium.

Item #12

(a) do not know.

Item #13

Gen drive to mine. One ~~14'x16'~~ 14'x16' building on property. Will build bunk house. Other nearest resident points at Yerington. See Item #3 for shipping point.

Item #14

Water to be hauled from Harry Davis ranch- 2 miles distant on good dirt road.

Item #15

No power available- Kerrington is nearest source of power.

Item #16

Will require 3 or 4 laborers.

Item #17

One 14'x18' building on property. Will build a bunkhouse. No equipment at present. Will need hoist and all equipment necessary to sink shaft and drift.

Item #18

Can work the year around.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	none	Uranium from 0.05 to 0.77			
Indicated (probable)	none				

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Leo W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

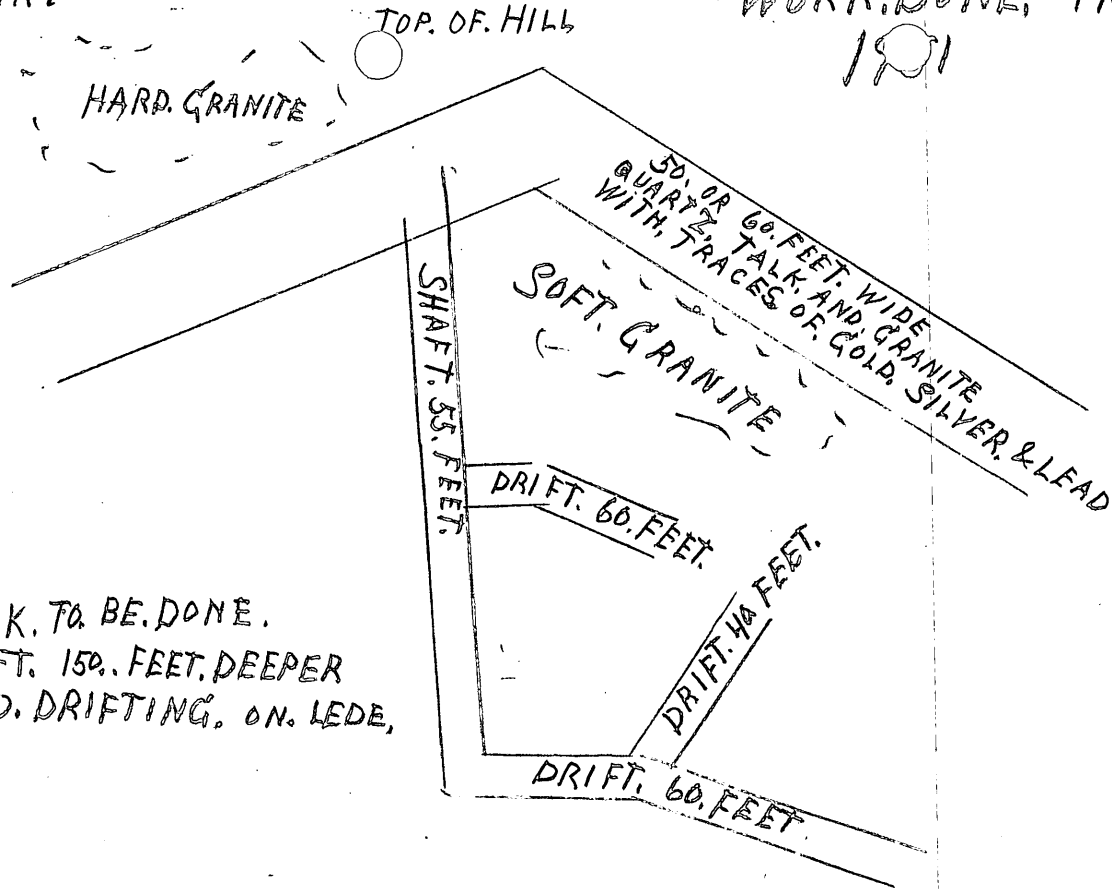
Arthur L Bassman
(Title)
PARTNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

ITEM.
(4)

WORK. DONE. IN
1901



WORK. TO. BE. DONE.
SHAFT. 150.. FEET. DEEPER
AND. DRIFTING. ON. LEDE,

FILE COPY
SURNAME:

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

JUL 3 1952

Mr. L. W. Osborn
Box 482
Yerington, Nevada

Re: Docket No. DMEA-2458 (Uranium)
Lyon County, Nevada

Dear Mr. ~~Lyon~~ Osborn:

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

Mr. H. C. Miller
Executive Officer, Region III
DMEA Field Team
1012 Flood Building
870 Market Street
San Francisco 2, California

The enclosures in your letter of June 16, which you requested to be returned to you, have been sent to the above address. We have requested that they be returned to you directly from our Regional Office.

We regret to advise you that we shall be unable to send you the Government report on your property as such reports are only for the use of Government employees.

The Regional Office may contact you shortly to obtain more information on your property and to return the aforementioned enclosures.

Sincerely yours,

C. O. Mittendorf (fw)
Acting Administrator

HFKeller/jem/mb
7/1/52
cc to: Adm. Reading File
Docket
Ellis Keller
Field Team, Region III (2)

FILE COPY
SURNAME: 700

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

JUL 3 1952

Mr. H. C. Miller
Executive Officer, Region III
DMEA Field Team
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA-2458 (Uranium)
L. Osborn and A. Sherman
Yerington, Nevada

Dear Mr. Miller:

We are referring the subject application to your attention for a field team examination, if in your opinion you deem it necessary.

The applicant although furnishing some assay results that show from 0.05 to 1.77% U3O8 has furnished no information as to the location or width of the samples. We doubt that the applicant can furnish much more useful information. The Geological Survey has examined the Silver Dick with rather negative results. As that claim is one of those of the Applicant, the survey may be able to furnish you with sufficient information on the property so that a field examination will not be required.

For your information we are enclosing the following:

1. Copy of letter from L. W. Osborn dated June 16, 1952.
2. The Colorado Assaying Company, report dated July 7, 1950.
3. Letter from Lincoln R. Page, Geological Survey Dated Feb. 7, 1951.
4. Letter from J. W. Vadra, Bureau of Mines Dated Sept. 11, 1950.
5. Morse Laboratories, Report dated Sept. 8, 1950.
6. Letter from C. H. Staatz, Geological Survey Dated Jan. 3, 1952.

Kindly return enclosures 2-6 inclusive to the applicant as requested in his letter of the 16th of June.

If you deem that the property should be examined by the field team, kindly advise them to revaluate the proposed exploration project and estimated costs, in case the property merits aid in an exploration project.

Sincerely yours,
(signed) FRANK E. JOHNSON (JHB)
Chairman, Operating Committee

HFKeller/jem 6/30/52
cc to: Adm. Reading File
Docket
Messrs. AJKauffman 1347
A.P.Butler 3206
Ellis Keller
Opr. Committee
Field Team, Reg.III

Enclosures
APPROVED: J. H. Hedges (JHB)
Member, Bureau of Mines
D. M. Lemmon (JHB)
Member, Geological Survey

P.H. 7-3-52

Yerington, Nevada

June 16, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 16 1952

U. S. Dept. of the Interior

Defense Minerals Exploration Adm.

Washington, 25, D. C.

Re: Docket No. DMEA-2458 (Uranium)

Lyon County, Nevada

Dear Sir:

Inclosed is the information you requested on April 15, 1952.

I. The name of claim is 'Silver Pick' and 'Silver Pick' No. 2. There are two claims. Located in Section 33, T8, R27E.

2. Inclosing four assay sheets. These assays are from the White Talk at 50 foot depth. The vein is 50 or 60 feet wide but the white talk is the only thing that assays. It is from one to two feet wide. The rest assays but is in the thousands. We are drifting to the west from the 50 foot level and the white talk is getting wider. The drift is 50 feet long now.

3. The vein is 50 or 60 feet wide. From the top of the hill we can trace it to bottom of hill about one thousand feet. On other side to bottom of hill about five hundred feet, and runs into sand stone of this side. Both walls are hard white granite. Ledge consists of quartz, gouge and talk, with streaks of lead, silver and small amount of gold.

4. Would like to sink the present shaft 200 feet deep and do some drifting to the west.

Would you please return the assay sheets, and would it be possible to send me the government report.

Sincerely,

L. W. Osborn

700 FILE COPY
SURNAME:
Docket
Ellis
Mitts

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

AIR MAIL

JUN 11 1952

Mr. L. W. Osborn
Box 482
Yerington, Nevada

Re: Docket No. DMEA-2458 (Uranium)
Lyon County, Nevada

Dear Mr. Osborn:

We regret to note in your letter of June 4 that our letter mailed April 15, 1952, requesting certain information pertinent to your above-docketed application, miscarried and was not received by you, thereby causing undue delay in processing your request for government financial assistance in your exploration program. We are enclosing a copy of our April 15th letter, and trust you can supply the needed information promptly.

We have noted your request that all letters be addressed to you at Box 482, Yerington, Nevada.

Please be assured that prompt consideration will be given this matter upon receipt of the material requested in our above-mentioned letter.

Sincerely yours,

6/11

Ernest Wm. Ellis, Chief
Rare and Rise. etals Division

Enclosure

GLAult/HFKeller/gla
6-10-52
cc to: Adm.Reading File
Docket
Messrs. A.J.Kauffman, Jr.Rm. 1347
A.P.Butler, Jr. Rm. 3206 GSA
Ellis
Keller
DMEA Field Team, Reg. III (2)

6/10/52 gla

Yering[illegible]n, Nevada

June 4, 1952

Docket Number. ~~Number~~
DMEA _ 2458.
Defense Minerals Exploration Adm.
Washington 25, D. C.

Dear Sir:

In regard to your letter of May 29, we did not receive your letter of April 15, 1952 outlining the information you requested. The last letter we received was dated March 31.

We will be glad to furnish any information you desire as we are anxious to start work.

Please address all letters to L. W. Osborn, Yerington Nevada Box 482.

Sincerely,

L. W. Osborn

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

FILE COPY
760 RNAME:

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

MAY 29 1952

Messrs. L. Osborn and J. Gasoman
Yerington, Nevada

Re: Docket No. DMEA-2458 (Uranium)
Lyon County, Nevada

Gentlemen:

Reference is made to your above-docketed application dated March 14, 1952, and our letter of April 15, 1952, outlining certain information we requested you to furnish which will enable this Agency to further process your application.

In the event that considerable time will be required to assemble this data, we should appreciate being advised the approximate date you will be able to forward the material.

Sincerely yours,

SIGNED
Ernest W. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration
Administration

HFKeller/jem
5/28/52
cc to: Adm. Reading File
Docket
Messrs. AJKauffman-1347
APButler-3206 CSA
Ellis Keller
Field Team, Region III (2)

706 FILE COPY
SURNAME:

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

Messrs. L. Orborn and . Boorman
Yerington, Nevada

Re: Docket No. [illegible]-2458 (Uranium)
Lyon County, Nevada

Gentlemen:

Your subject application for aid in exploring for uranium has been reviewed by the Defense Minerals Exploration Administration.

In order that we may judge the merits of your property and the proposed exploration project, kindly furnish us with the following information:

1. Name of your claims and their correct location. If this project is to explore the "Silver Pick" claim we believe its correct location is Section 35, [illegible], [illegible].

2. An assay map or plan showing the location of each sample with its width and assay results. Also, please enclose any assay certificates that you have that represent samples from the property under consideration.

3. A description of the vein giving its known length, width, strike, dip and type of mineralization. Also, give the type of country rock on each side of the vein.

4. A plan and section showing as clearly as possible the proposed exploration project in relation to the present mine workings.

We shall be pleased to continue processing your application on the receipt of this additional information.

Sincerely yours,

4/15

Ernest W. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration
Administration

HFKeller/jem
4/14/52
Messrs. A.J.Kauffman, Rm. 1347
A.P.Butler, Rm.3206GS
Ellis Keller
Field Team, Region III(2)

4/8/52 gla

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Ernest Wm. Ellis, DMEA Member, Uranium Commodity Committee, Room 4070

DATE: April 8, 1952

FROM : H. D. Keiser, Bureau of Mines Member, Uranium Commodity Committee

SUBJECT: DMEA Docket 2458, L..W. Osborn and A. Bassman, applicants.

The Bureau of Mines Member, Uranium Commodity Committee, concurs in the report of April 2 by Arthur P. Butler, Jr., Geological Survey Member, on the subject docket.

H D Keiser

H. D. KEISER

Attachments

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

Ernest Wm. Ellis, DMEA Member, Uranium Commodity Committee, Room 4070

April 8, 1952

H. D. Keiser, Bureau of Mines Member, Uranium Commodity Committee

DMEA Docket 2458, L. W. Osborn and A. Bassman, applicants.

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H. D. KEISER

Attachments

HDKeiser:svh

Copy to: Minerals Division
Rare and Precious Metals Branch
H. D. Keiser
F i l e s

FILE COPY
Surname:

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

Ernest Wm. Ellis, DMEA Member, Uranium
Commodity Committee, Room 4070

April 8, 1952

Keiser

H. D. Keiser, Bureau of Mines Member, Uranium
Commodity Committee

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H. D. KEISER

Attachments

HDKeiser:svh

Copy to: Minerals Division
Rare and Precious Metals Branch
H. D. Keiser
Files

4/8/52 gla

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: April 2, 1952

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

SUBJECT: DMEA Docket 2458, L. W. Osborn and A. Bassman,- Applicants; Property (name not given) Section 33 T.8N., R.27E., Lyon County, Nevada.

Review of the application for an exploration loan by the applicants on the property designated above, indicates a possible discrepancy in location and uncertainty as to whether or not the Geological Survey has examined the specific property for which assistance is requested.

The application gives the location as Section 33 and states that the Geological Survey has an unpublished report on the property. The Geological Survey has examined a property called the Silver Pick, claimed by the above applicants, in Section 35 T.8N., R27E. The applicants' section designation may be in error and this question should be resolved. The applicants state they have assays of samples from a location not specifically designated that average 0.3 percent uranium. At the Silver Pick property the Geological Survey collected five samples with a uranium content that ranged from 0.006 percent to 0.013 percent uranium. I think the applicant should be requested to indicate source of their samples and the name of the assayer, and to advise whether or not they are applying for a loan on the Silver Pick property. If the application applies to the Silver Pick property, then the relation of their samples to the Geological Survey samples should be furnished, preferably by a scale diagram. If the application does not apply to the Silver Pick property, then the Geological Survey report is not pertinent to the application.

The owners have not been furnished results of the Geological Survey sampling because they have not furnished satisfactory proof of ownership of the property examined by the Geological Survey.

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

Attachment

IN REPLY REFER TO:

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

Ernest Wm. Ellis, DMEA Member, Uranium
Commodity Committee

April 2, 1952

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

DMEA Docket 2458, L. W. Osborn and A. Bassman,-
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Arthur P. Butler, Jr.

Attachment

Copy to: Ernest Wm. Ellis - 1

FILE COPY
Surname:

Butler

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

Ernest Wm. Ellis, DMEA Member, Uranium
Commodity Committee

April 2, 1952

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

DMEA Docket 2458, L. W. Osborn and A. Bassman,-
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Arthur P. Butler, Jr.

Attachment

Copy to: E. Wm. Ellis
Div. Files
Dir. Reading
APButler, Jr.:am 4-2-52
File: DMEA Applicant
DMEA Docket 2458
TEPCO Reading
ARU Reading

IN REPLY REFER TO:

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

April 2, 1952

Ernest Wm. Ellis, DMEA Member, Uranium Commodity Committee

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

DMEA Docket 2458, L. W. Osborn and A. Bassman,- Applicants; Property (name not given) Section 33 T.8N., R.27E., Lyon County, Nevada.

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Arthur P. Butler, Jr.

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Copy to: E. Wm. Ellis
Div. Files
Dir. Reading
APButler, Jr.:am 4-2-52
File: DMEA Applicant
DMEA Docket 2458
TPCO Reading
ARU Reading

Ernest Wm. Ellis, DMEA Member, Uranium
Commodity Committee

April 2, 1952

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

DMEA Docket 2458, L. W. Osborn and A. Bassman,-
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Div. Files
Dir. Reading
APButler, Jr.:sm 4-2-52
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DMEA Docket 2458
TEPCO Reading
ARU Reading

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2458
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

L. Osborn & A. Bassman
Yerington, Nevada

Name and address of applicant

Date March 14, 1952

If you have already filed MF-100, give date filed March 14,1952, type of assistance requested exploratory loan

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 3 - 1952

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Leo. W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

Arthur L Bassman
(Title)
PARTNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Supplement Sheet.

To

Form, MF.- 103 Applicant- L. Osborn
A. Bassman

Item #1
(a) 2 mining claims.
600 feet by 1500 feet each
(b) Owner.

Item #2
(a) Uranium.
(b) Large ledge 50 or 60 feet wide. Both walls Granite. Small streaks of Lead & Silver & some Gold. Ledge has traces of uranium with about 2 feet of talk on foot wall. Average of 4 assays of talk 0.30% uranium Seems to be getting better with depth. 70 feet now. The U.S.G.S. of Denver, Colo. have a report. We havent received one yet.

Item #3
(a) To sink shaft 200 feet and do some drifting. About $10,000.00.
(b) To start work as soon as money is available. To complete in about 200 days.

Item #5 1 house 14'16' on mine.

Item #6 Will need 1 bunk house. Cost about $500.00

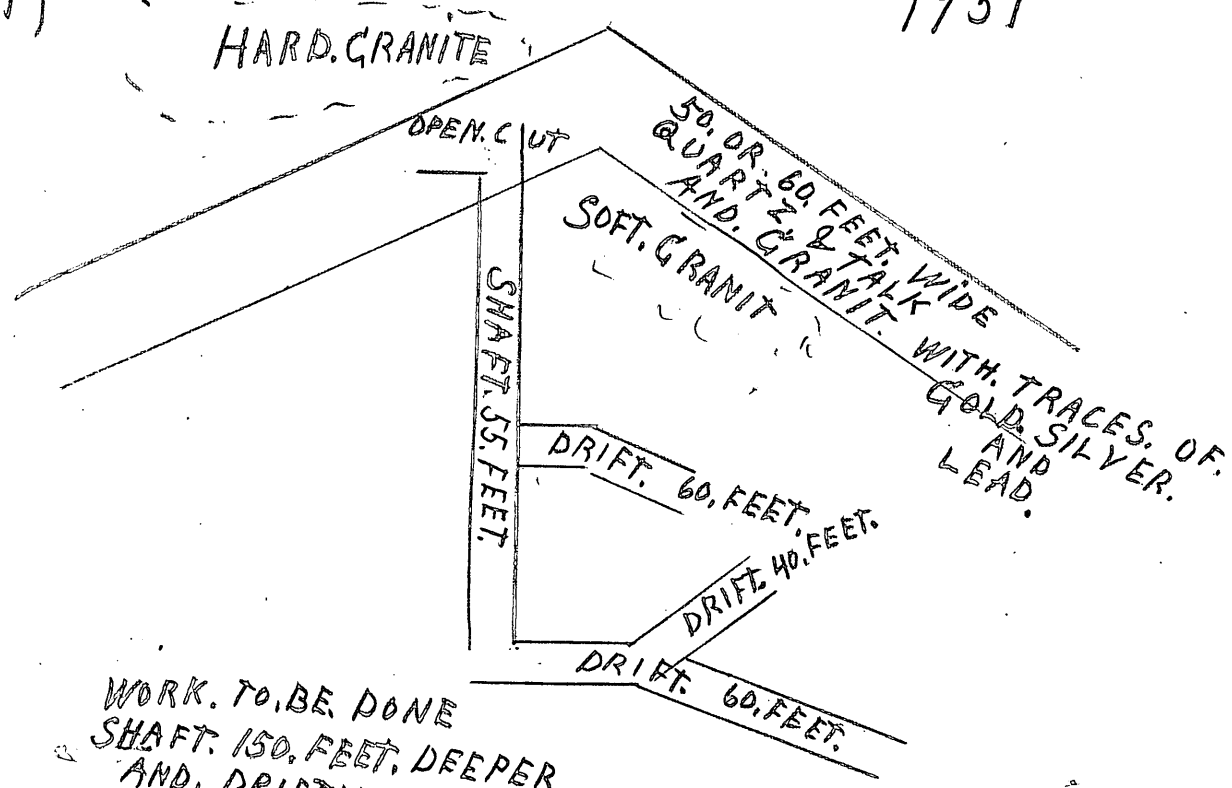
Item #7
(a) 1 hoist can be rented.
(b) mining timbers, powder and other small items.
(c) Picks, shovels, drills, mine rails.

Item #8
Partners and one or two miners. $16.00 per. day each.

Item #10
(a) $1,000.00
(b) Yes

ITEM (4)

WORK, DONE, IN 1951



WORK. TO. BE. DONE
SHAFT. 150. FEET. DEEPER
AND. DRIFTING. ON. LEDGE.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2458

Date received 3-31-52

L. Osborn & A. Bassman

Yerington, Nevada

Name and address of applicant

Date March 14, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
Leo W. Osborn	Partner	none	30,000				30,000
Yerington, Nev.							
Arthur Bassman	Partner	none	none				none
Yerington, Nev.							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ none	$	$		
Preferred stock	$ none	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Uranium	none	none	none	none
2. Quantity of product processed (specify unit of measure and type of process)	Uranium	none	none	none	none
3. Quantity and grade of product sold or shipped (specify units of measure)	Uranium	none	none	none	none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Supplement Sheet
To
Form MF-100

Applicant: L. Osborn
A. Bassman

Item #1

(a) Uranium
(b) Gold, silver, galena.

Item #2

(a) 55 feet
(b) 150 feet
(c) 85 feet
(d) Two open cuts

Item #3

(a) 37 miles south of Yerington, the nearest town, 50 miles south of Wabuska, Nev. branch line of Southern Pacific R. R.

(b) Old Washington (silver camp)
(c) Sec. 33, Twp 8, Range 27 E
(d) Lyon County, Nevada

Item #4

(a) Not in operation
(b) Owners

Item #5 None

Item #6 Osborn has 51 years of mining experience mostly prospecting.

Item #7

(a) Has been worked for silver but made no shipments.
(b) In vicinity of Harry Lewis coal mine, also some abandoned silver smelters.
(c) No report available-
U. S. G. S. has an unpublished report on property.

Item #11

(a) Intend to explore the talc vein which carries the Uranium.

Item #12

(a) do not know.

Item #13

Can drive to mine. One ~~148x16~~ 14'x16' building on property. Will build bunk house. Other nearest resident points at Yerington. See Item #3 for shipping point.

Item #14

Water to be hauled from Harry Lewis ranch- 2 miles distant on good dirt road.

Item #15

No power available- Yerington is nearest source of power.

Item #16

Will require 3 or 4 laborers.

Item #17

One 14'x16' building on property. Will build a bunkhouse. No equipment at present. Will need hoist and all equipment necessary to sink shaft and drift.

Item #18

Can work the year around.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	none	Uranium from 0.05 to 0.77			
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Leo. W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

Arthur L Bassman
(Title)
PARTNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2458
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

L. Osborn & A. Bassman
Yerington, Nevada

Name and address of applicant

Date March 14, 1952

If you have already filed MF-100, give date filed March 14, 1952 type of assistance requested exploratory loan

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

MAR 31 1952

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Leo. W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

Arthur L Bassman
(Title)
PARTNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Supplement No. 1

to

Form, No.- 108 Applicant- L. Odcorn
F. Wesner

Item 1

(a) 2 mining claims.
600 feet by 1500 feet each
(b) Owner.

Item 2

(a) Gravina.
(b) Lay a lode 50 or 60 feet wide. Both walls Quartz. Small streaks of lead & sil or 6 cons foll. Lod 6 has traces of gravel with about 2 foot of talk on foot wall. Average of 4 assays of talk 0.06 gm silv Seems to be getting better with depth. 70 foot now. The U.S.G.S. of Denver, Colo. have a report. 6 h vent received one yet.

Item 3

(a) To sink shaft 200 feet and do some drifting.
About $10,000.00.
(b) To start work as soon as money is available.
To complete in about 100 days.

Item 5 1 house 16'16' on site.

Item 6 111 acres 1 bunk house. Cost about $800.00

Item 7

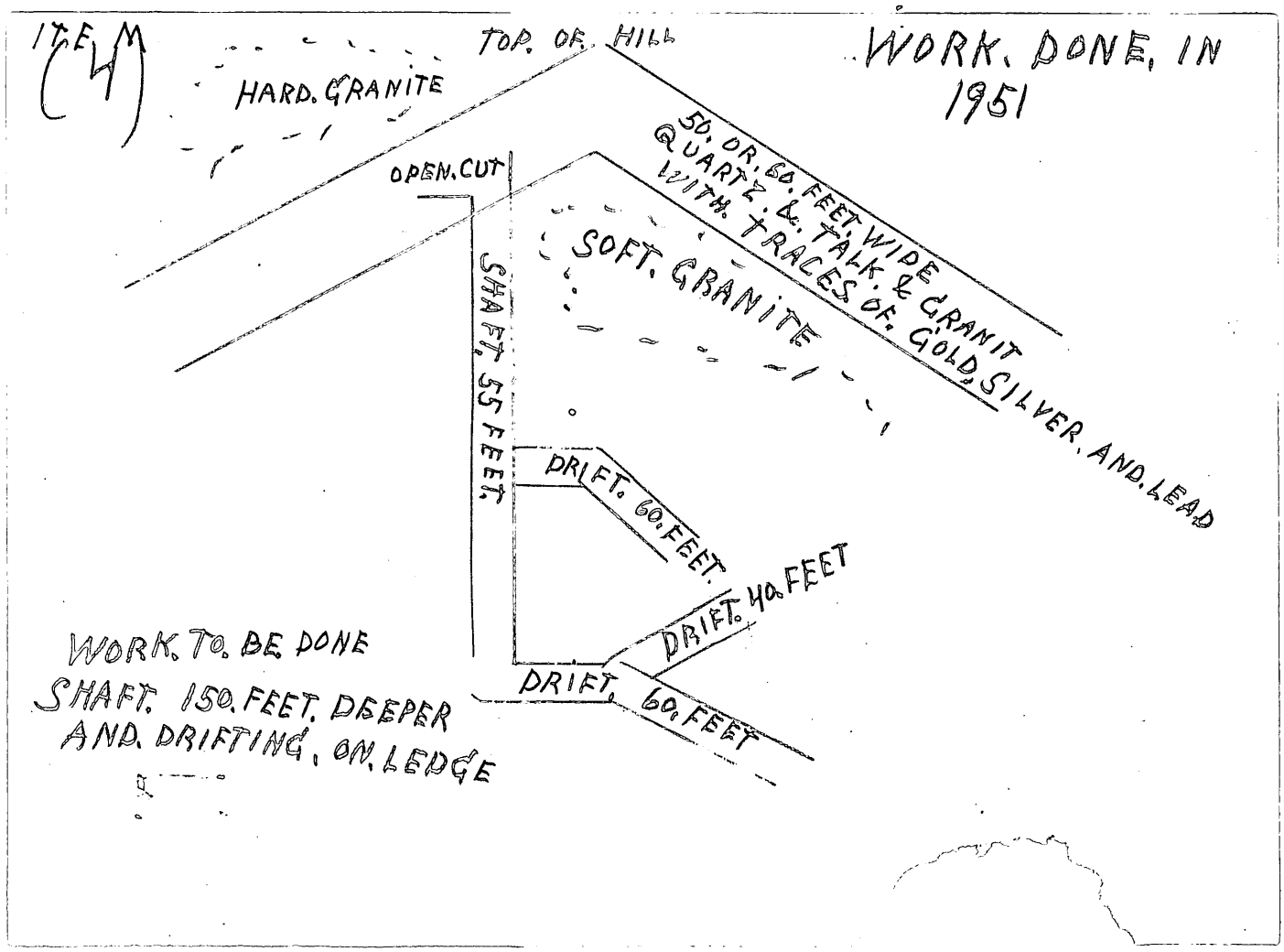
(a) 1 hoist can be rented.
(b) mining timbers, powder and other small items.
(c) Picks, shovels, drills, size rails.

Item 8

Partners and one of the miners. $10.00 per. day each.

Item 10

(a) $1,000.00
(b) 208


ITEM (4)
TOP. OF. HILL
WORK. DONE. IN 1951
HARD. GRANITE
50. OR. 60. FEET. WIDE GRANIT QUARTZ. & TALK. & WITH. TRACES OF. GOLD. SILVER. AND. LEAD
OPEN. CUT
SOFT. GRANITE
SHAFT. 55 FEET.
DRIFT. 60. FEET.
DRIFT. 40. FEET
DRIFT. 60. FEET
WORK. TO. BE. DONE
SHAFT. 150. FEET. DEEPER AND. DRIFTING. ON. LEDGE

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2458

Date received 3-31-52

L. Osborn & A. Bassman
Yerington, Nevada
(address L. W. Osborn
Box 482
Yerington, Nev.)
see his letter 6/4/52

Name and address of applicant

Date March 14, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Leo W. Osborn	Partner	none	30,000				30,000
Yerington, Nev.							
Arthur Bassman	Partner	none	none				none
Yerington, Nev.							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ none	$	$		
Preferred stock	$ none	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Uranium	none	none	none	none
2. Quantity of product processed (specify unit of measure and type of process)	Uranium	none	none	none	none
3. Quantity and grade of product sold or shipped (specify units of measure)	Uranium	none	none	none	none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Application No.
[illegible]
Form [illegible]-100

Applicant: [illegible]
[illegible]

Item 1

(a) [illegible]
(b) Gold, silver, [illegible].

Item 2

(a) [illegible] feet
(b) [illegible] feet
(c) [illegible] feet
(d) [illegible] open cuts

Item 3

(a) 27 miles south of [illegible], the nearest town, 20 miles south of [illegible], [illegible] branch line of Southern Pacific [illegible].

(b) [illegible] (silver [illegible])
(c) [illegible], [illegible] 8, [illegible] 17
(d) [illegible], [illegible]

Item 4

(a) Not in operation
(b) Where

Item 5 None

Item 6 Osborne [illegible] Co. [illegible] of [illegible] experience [illegible] prospecting.

Item 9

(a) [illegible] known mined for silver [illegible].
(b) In vicinity of [illegible], [illegible] [illegible] abandoned silver [illegible].
(c) No report available.
[illegible]

Item 11

(a) Intend to complete the title with [illegible] price the [illegible].

Item 12

(a) do not know.

Item 13

[illegible] to mine. One [illegible] 14'x16' building on property. [illegible] [illegible] house. Other [illegible] equipment points at [illegible]. See Item 3 for shipping point.

Item #14

Water to be hauled from Perry Lake ranch- 3 miles distant on good dirt road.

Item #15

No power available- Lorlaxton is nearest source of power.

Item #16

Will require 3 or 4 laborers.

Item #17

One 14'x16' building on property. Will build bunkhouse. No equipment to rent. Will need hoist and all equipment necessary to sink shaft and drift.

Item #18

Can open the prospect.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	none	Uranium from 0.05 to 0.77			
Indicated (probable)	none				

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Leo. W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

Arthur L Bassman
(Title) PARTNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

EXPLORATION

Subject: DMEA-2458
Re: Exploration Loan
March 31, 1952

Mr. L. Osborn
Yerington
Nevada

My dear Mr. Osborn:

This will acknowledge receipt of your application dated March 14, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2458 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2458 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2458
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

L. Osborn & A. Bassman
Yerington, Nevada

Name and address of applicant

Date March 14, 1952

If you have already filed MF-100, give date filed March 14, 1952, type of assistance requested exploratory loan,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

Defense
MAR 3 1952

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Leo W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

Arthur L Bassman
(Title)
PARDNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Supplement Sheet.

To

Form, MF.- 103 Applicant- L. Osborn
A. Bassman

Item #1
(a) 2 mining claims.
600 feet by 1500 feet each
(b) Owner.

Item #2
(a) Uranium.
(b) Large ledge 50 or 60 feet wide. Both walls Granite. Small streaks of Lead & Silver & some Gold. Ledge has traces of uranium with about 2 feet of talk on foot wall. Average of 4 assays of talk 0.30% uranium Seems to be getting better with depth. 70 feet now. The U.S.G.S. of Denver, Colo. have a report. We havent received one yet.

Item #3
(a) To sink shaft 200 feet and do some drifting. About $10,000.00.
(b) To start work as soon as money is available. To complete in about 200 days.

Item #5 1 house 14'16' on mine.

Item #6 Will need 1 bunk house. Cost about $500.00

Item #7
(a) 1 hoist can be rented.
(b) mining timbers, powder and other small items.
(c) Picks, shovels, drills, mine rails.

Item #8
Partners and one or two miners. $16.00 per. day each.

Item #10
(a) $1,000.00
(b) Yes

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2458

Date received 3-31-52

L. Osborn & A. Bassman
Yerington, Nevada

Name and address of applicant

Date March 14, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Leo W. Osborn	Partner	none	30,000				30,000
Yerington, Nev.							
Arthur Bassman	Partner	none	none				none
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ none	$	$		
Preferred stock	$ none	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Uranium	none	none	none	none
2. Quantity of product processed (specify unit of measure and type of process)	Uranium	none	none	none	none
3. Quantity and grade of product sold or shipped (specify units of measure)	Uranium	none	none	none	none

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Supplement Sheet
To
Form MF-100

Applicant: L. Osborn
A. Bassman

Item #1

(a) Uranium
(b) Gold, silver, galena.

Item #2
(a) 55 feet
(b) 150 feet
(c) 85 feet
(d) Two open cuts

Item #3
(a) 37 miles south of Yerington, the nearest town, 50 miles south of Wabuska, Nev. branch line of Southern Pacific R. R.

(b) Old Washington (silver camp)
(c) Sec. 33, Twp 8, Range 27 E
(d) Lyon County, Nevada

Item #4
(a) Not in operation
(b) Owners

Item #5 None

Item #6 Osborn has 51 years of mining experience mostly prospecting.

Item #7
(a) Has been worked for silver but made no shipments.
(b) In vicinity of Harry Lewis coal mine, also some abandoned silver smelters.
(c) No report available-
U. S. G. S. has an unpublished report on property.

Item #11
(a) Intend to explore the talc vein which carries the Uranium.

Item #12
(a) do not know.

Item #13
Can drive to mine. One ~~148x16~~ 14'x16' building on property. Will build bunk house. Other nearest resident points at Yerington. See Item #3 for shipping point.

Item #14

Water to be hauled from Harry Lewis ranch- 2 miles distant on good dirt road.

Item #15

No power available- Yerington is nearest source of power.

Item #16

Will require 3 or 4 laborers.

Item #17

One 14'x16' building on property. Will build a bunkhouse. No equipment at present. Will need hoist and all equipment necessary to sink shaft and drift.

Item #18

Can work the year around.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	none	Uranium from 0.05 to 0.77			
Indicated (probable)	none				

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Osborn & Bassman
(Name of company)

By Leo. W. Osborn
(Signature of authorized official)

March 14, 1952
(Date)

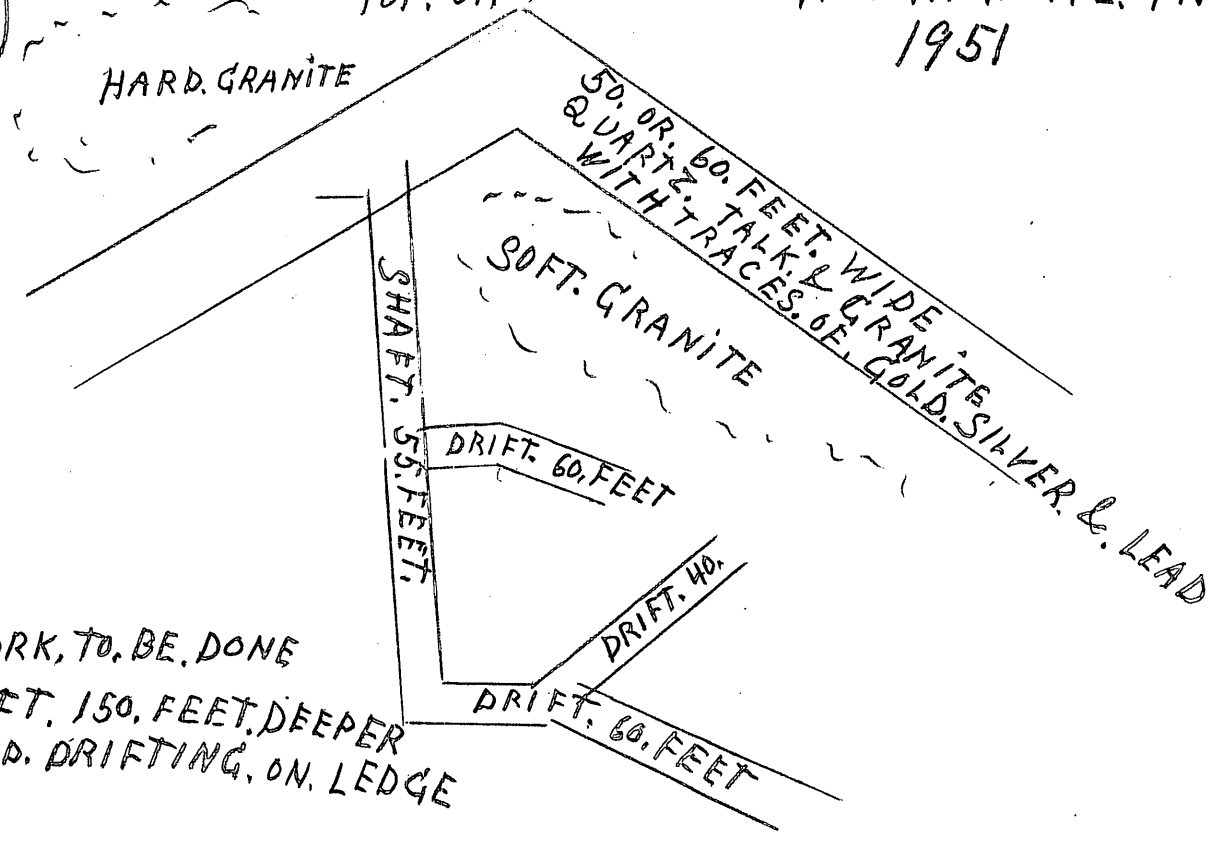
Arthur L. Bassman
(Title)
PARTNER

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

ITEM (4)

WORK. DONE. IN 1951



WORK. TO. BE. DONE
SHAFT. 150. FEET. DEEPER
AND. DRIFTING. ON. LEDGE